

SOPHOMORE DANCE DRAWS MANY TO HOTEL SOMERSET

Techonians and Barbary Coast
Orchestra Furnish Music
For Affair

GATE-CRASHERS FOILED

All Four Classes Well Represented Among More Than
350 Couples Present

Under the changing glimmer of electric moonlight, 350 couples swayed to the symphony of the Barbary Coast orchestra Friday night at the Sophomore dance held in the fourth XIV ballroom of the Hotel Somerset. This was the first dance of the year drawing an attendance from the entire student body and all classes were represented, though Sophomores predominated.

Starting at 9 o'clock, the Barbary Coast Ensemble from Dartmouth played alone until midnight. After an intermission of half an hour the Techonians assembled and played an introductory fox trot, which was followed by a comedy musical novelty act by the Dartmouth made madras. Continuous dancing was provided for the remainder of the evening, the Techonians and Barbary Coast orchestra playing alternately until 2 o'clock.

By special arrangement with the management of the Hotel Somerset, those present were able to buy refreshment tickets at a special rate. Refreshments were served from a buffet counter in the palm room of the hotel during the intermission, and were obtainable with the minimum of delay.

All possible precautions were taken by the committee in charge of the dance to reduce "gate crashing" to a minimum, and it is reported that very few succeeded in gaining admission without a ticket.

The ushers consisted of the officers of the Class of 1930 and four other Sophomores. It is generally conceded that arrangements for lounging, sitting out, serving refreshments and coat checking were all that could be desired, and there were no complaints about the general conduct of the crowd.

Mr. and Mrs. Henry G. Pearson, together with Mr. and Mrs. Orylla B. Denison, were present as sponsors, by arrangement with the committee. Both of the men have shown considerable interest in the activities of the class, it is reported.

E. A. Jones '07 Donor Of Bequest of \$25,000

Under the will of Mr. Edward A. Jones '87, who has left an estate valued at over \$1,000,000, a bequest of \$25,000 is given to the Institute for a scholarship fund for students, according to an announcement made recently. A similar amount was left to the Sheffield School of Yale University.

Mr. Jones has provided, in the will, that after the payment of all the bequests and expenses, one ninth of the remaining property be given to the Institute. The terms of the scholarship fund have not been announced as yet.

Research Council Story Is Feature Of March T.E.N.

Professor Schumb Contributed Story on New Chromium Plating Process

Tech Engineering News will put its March issue on sale in the corridors both today and tomorrow. In view of the large sale of the February issue, the management has increased the printing order by 100 copies in order to meet the anticipated demand for the current number.

A featured article is one by Professor James F. Norrish on "The National Research Council." This body, organized to meet the emergencies of the World War, has continued its functions in peaceful pursuits, and is today one of the most important factors in the coordination of attack upon problems of major scientific and industrial importance. Dr. Norrish is a member of the Executive Council of the organization.

"The Development of Chromium Plating" is by Professor Walter C. Schumb of the Department of Chemistry. This new electrochemical process has recently come into prominence through its adoption by many of the leading automobile manufacturers to impart a lasting finish to radiator shells, bumpers, and other polished metal parts. The history of the process is briefly outlined, and the theory and practice of its modern application are described in detail.

There is also an article entitled, "The Story of Petroleum Refining," by Professor Harold C. Weber '18 of the School of Chemical Engineering Practice. He makes a survey of the present and past methods for supplying the demand for gasoline, and gives some observations as to the probable sources of motor fuel when our petroleum reserves are exhausted.

Can Count Atoms More Accurately Than Population

Doctor Miles S. Sherrill '99, Gives Society of Arts Talk On Atomic Structure

Atoms and molecules can now be counted with greater accuracy than the population of a large city like London, Doctor Miles S. Sherrill '99, Professor of Theoretical Chemistry at the Institute, said in a Society of Arts Lecture in 10 250 yesterday. The lecture was also given Friday and Saturday.

"We no longer doubt the existence or reality of atoms," he said. "It is possible to determine the number of molecules in one gram molecular weight of a substance which is equal to the number of atoms in one gram atomic weight of any element. This huge number is 6.062 x 10²³." Professor W. L. Bragg of the University of Manchester, England, now lecturing at Technology, has shown how it is possible by study of X-ray reflection from crystal surfaces to determine the exact positions and spacings of atoms in crystals. Prof. Sherrill pointed out, and displayed a number of Professor Bragg's models.

The lecturer showed a moving picture of the Brownian motion of mercury particles. Study of this motion, he said, makes it possible to count atoms and molecules. He also showed an ultramicroscope through which molecular motion in a colloidal solution of gold is visible. The particles of gold are seen as bright spots moving with a perpetual random motion, much as motes of dust in a dark room are rendered visible by a beam of sunlight.

Professor Sherrill demonstrated the Geiger Counter, an instrument so sensitive that it will detect even a single electron. The Geiger counter was connected with an electrical amplifying system, and when an object coated with a radium paint such as used on wrist watches, was held near the instruments, a series of raps were heard. A very loud series of raps was caused by holding a small quantity of radium chloride, only \$1,000 worth, near the device.

"These raps," Professor Sherrill said, "are not from a spirit world, but nevertheless from another world, namely the world locked up within the atom, and these electrons and alpha particles are the only messengers we have from this world."

Professor Sherrill called attention to the importance of the Geiger counter in medical science. "Dr. H. G. Humpart of the Boston City Hospital," he said, "has made a very wonderful application of the instrument."

(Continued on page 4)

Laurence Luey Wins Two Swimming Titles

Laurence Luey '29, high leader on the Institute swimming team, brought his competition to a close for this season with two fine performances in the 150-yard backstroke last week. On Thursday night he entered the New England A. A. U. championship and not only won the race, but established a new New England A. A. U. record of 1 minute 55 seconds. In the New England Intercollegiate on Saturday Luey gained another championship in his favorite event in the time of 1 minute 54 1/2 seconds. In addition he swam on the medley relay team that placed third.

MORE BULL WILL BE THROWN TOMORROW

Room 19 249 will again be the scene of a bull session when the second meeting will be held tomorrow afternoon at 4 o'clock. Last week over sixty students were present who entered into a lively discussion on the question, "Is there a God?" That question was not fully decided at the first meeting, so it will be discussed again tomorrow. When this question has been decided, others will be taken up such as "Companionate Marriage," "Patriotism, Nationalism and their relation to war" and "Sex." All of these questions will be debated upon and all students are invited to come to the open forum and air their views on

SECURE ERNIE ANDREWS FOR JUNIOR PROM

Boxing Team In Second Draw With New Hampshire

O'Malley and Bolanos Provide Most of the Action in Tie Meat

New Hampshire's boxing team closed its season Saturday with a three to three tie against Technology at Durham. The teams met at the Hangar Gym earlier in the season and fought with the same result. In the first match New Hampshire scored points by two knockouts and a decision but this time they scored only by decisions. The only knockout of the match came in the 17th pound class and was scored by Captain O'Malley of Technology.

As usual, the Engineers were atoms in the light weight events, beating two of their three points in these events. Bob Sider won the decision over Richards in the 115 pound class for his fourth win of the season. In the next event, the 125 pound class, Bob Penfield lost for the second time this season to Luckhelt of New Hampshire.

The 135 pound class proved to be the feature of the evening. Johnny Bolanos of Technology won the fourth consecutive bout of the season by defeating Drewmer of New Hampshire. The bout was so close that it was impossible to declare the winner after the third round and had to go an extra one before the judges were able to decide that Bolanos had a slight edge over the Durham boy.

The second point for New Hampshire was scored in the 145 pound class by Ahearn's victory over Jameson. In the first match the Engineers beat Ahearn after a hard fight but could not hold the decision from the Wildcat this time. The next bout also resulted in a point being added to the New Hampshire total. Everett and lighting his second bout of the season for the Engineers, but the decision in the 160 pound class to credit of New Hampshire after a close three rounds. This brought New Hampshire a total up to three against the two for the Engineers and left the last bout to decide the match.

Captain O'Malley of Technology opened for New Hampshire in the final bout of the match. The Dur (Continued on page 4)

HAS BEST BRASS COMBINATION OF ANY ORCHESTRA

Signups Go On Sale In Main Lobby This Morning For Junior Class

FAVORS AIRE ORDERED

Immediately following their success at the Dartmouth Winter Carnival, Ernie Andrews and His 61 Patio Troubadours were named up by the Junior Prom Committee to furnish the music for the Prom at the Copley Place Grand Ball Room from 10 o'clock until 4 P.M., April 20. The Troubadours are particularly noted for having a brass section, consisting of three trumpets and a trombone, unsurpassed by any similar combination in the country.

In securing this twelve-piece band of musicians, singers and entertainers, the committee is bringing the same orchestra to Technology which made such a hit at the Williams Prom, Amherst Prom, and more recently at the Dartmouth Carnival. Favors for the Prom have already been ordered and are promised to be useful as well as novel.

Yellow signup slips for the Prom will be on sale in the Main Lobby today for Juniors only. Tomorrow signups may be obtained by Seniors and Graduates as well as Juniors, while the remainder of the week they may be obtained by all classes. This year the signups have been reduced to four dollars, but the total price of the Prom will remain the same, twelve dollars.

There will be a representative of the Prom Committee with signups in Rogers Building on Thursday and Friday afternoons. Redemption week will begin April 2 and at this time some 50 stag tickets will be put on sale. Seating arrangements for dinner at the Prom will be made during Redemption week.

Jordan Hall Is Selected as Site For Boston Showings of "Half a Man"

Are Introducing 'Varsity Drag' Type Dance Into Show

All arrangements have been made for the Boston and Northampton performances of this year's Tech Show, "Half a Man," the management announces, and rehearsals are being held regularly to insure a polished production.

Beaver Club Announces Sophomore Elections

Elections to the Beaver Club, Junior Honorary Society, were announced Friday night. The men elected were all in the Sophomore class and are: Charles T. Abbott, John F. Bennett, Edmund G. Blake, Edward P. Dean, Sherman M. Goble, Jr., Oliver G. Green, George R. Hammond, Philictus H. Holt, William O. Lindbeck, Victor J. Martin, Robert K. Phelan, Robert A. Polsson, Robert M. Snyder, Leon S. Thorsen, Thomas R. Wigglesworth.

has been selected for the theatre in which three Boston showings will be given on April 19, 20, and 21. As this theatre can hold no more than about 175, only one performance will be presented, and for the other two tickets will be distributed in order of application, making no distinction between students, alumni, or the general public. The Friday night performance April 20, is restricted, since that is Prom night, and tickets will be entirely reserved for students.

It is felt by the management that this theatre is much more suited to the show than any place which has been engaged for the Boston performances for several years. The Opera House, which had been used for a time, is obviously too vast, and the Arlington Theatre, which was tried last year, was found to be too large also.

Several changes are being made in the Show's dances. The chorus and ponies are being drilled in new dances on the order of the "Varsity Drag" to substitute for several of the ensemble dances used when first presented, and Langdon Matthews, dancing coach, is giving the dancers regular practice in order to iron out any kinks. "Half a Man" has already had two performances, both during the between-terms vacation, when the premiere was given at Hartford and 1,000 alumni gave the show a rousing

Third School Basketball Tournament Begins Thursday in the Hangar Gym

Arlington, Medford Favored; Everett Missing From Tourney Line-up

Mr. Henry P. McCarthy, as director of the third annual Technology tournament for the high school basketball championship of eastern Massachusetts, selected eight teams as having qualified as contenders for the title. The teams, picked on the basis of their scores for the season, are: Medford High, Arlington High, Brockton High, Gloucester High, Lynn Classical High, Framingham High, New Bedford Vocational School and Chelsea High.

The drawing of opponents will take place this morning in Director McCarthy's office. The tournament will begin at 4 o'clock next Thursday afternoon in the Hangar Gymnasium, with Medford High, last year's champions, endeavoring to retain the title.

When the draw is made, it is very probable that a certain amount of "seeding" will be in order. Medford High and Arlington High, judging from their records, should be placed in opposite brackets, since the "dopers" agree that, barring unforeseen circumstances, these two teams are the

Everett High, the only undefeated team in the district, is conspicuous by its absence from the lineup. This team, formed down the Technology invitation in favor of the Glen Falls State Stages Tournament at St. John's Prep of Danvers, also undefeated, wanted to enter this tourney. The Glen Falls officials have notified both Everett and St. John's that only one team could be selected from this section of the State, so the two teams had better play each other in order that the winner might qualify. This is a bitter pill for Everett to swallow. Nevertheless, the team voted to meet St. John's Prep on some neutral floor in Greater Boston, chosen O'Neill has offered the Danvers school Saturday night, March 17, as the day of the meeting, and if the school is not it will conflict with the final round of the M. I. T. games.

The odds are all in favor of St. John's Prep team, which is composed of older boys recruited from some of the best players in New England.

CALENDAR

Monday, March 12
Tuesday, March 13
Wednesday, March 14
Thursday, March 15
Friday, March 16
Saturday, March 17
Sunday, March 18

Dr. Charles G. Abbott '94 Appointed Secretary of Smithsonian Institution

Has Invented Instruments Used In Measurement of Solar Energy

By his recent appointment to the secretaryship of the Smithsonian Institution, Dr. Charles Greeley Abbot '94, has attained what is perhaps the highest possible honor that can be conferred upon a scientist. He is the fifth man to hold the position since the founding of the Institution eighty two years ago. The work of his predecessors, Henry Baird, Langley, and Walcott, has made the secretaryship come to be generally recognized as "a kind of premierships for science in America."

In his boyhood Dr. Abbot had studied a year at Andover when one day "because of the train ride" he came to Boston with some classmates who were going to take the entrance examinations to the Massachusetts Institute of Technology. Rather than wait alone he also took the examinations, and passed them all without conditions. When his family learned of it they determined to enable him to attend the Institute at least for a year, although it meant a sacrifice on their part.

Dr. Abbot specialized in physics and graduated with high honors. During the last years he embarked on his research work, doing a paper with Professor Arthur A. Noyes on the dissociation of values of ions and for which young Abbott made hundreds of chemical analyses of the greatest delicacy and accuracy.

In 1895, after Dr. Abbot had completed a year of graduate work at the Institute, Secretary Langley of the Smithsonian wrote to Professor Cross asking him to recommend an assistant for the Smithsonian Astrophysical Observatory. Professor Cross said that though the Institute would regret to lose Abbot, they thought he would be the best man. So began Dr. Abbot's connection with the Institution in whose service he was to gain the highest honor it had to offer and lift himself to the forefront of astrophysicists.

The special field in which Dr. Abbot is pre-eminent is that of the sun's radiation and variation. He has invented the majority of the instruments, such as the silver disk and waterflow pyrheliometers and the pyranometer, necessary for the measurement of the sun's heat. The Smithsonian value for the solar constant is accepted as standard throughout the world.

Besides determining the amount of heat per square centimeter per minute emitted by the sun, Dr. Abbot's investigations have proved that this figure is not constant but variable. He has also shown that there appears to be a definite relation between the variation in the radiation from the sun and the earth's weather. Coal and oil may some time run short, but the sun's energy is comparatively inexhaustible. Dr. Abbot has already developed a solar cooker and his studies on solar radiation have enabled him to map out extensive investigations looking to the practical use of solar energy.

The exacting nature of Dr. Abbot's scientific labors for thirty-three years has by no means shut him off from a broad and sympathetic contact with life. As so frequently is true of mathematicians, he is passionately devoted to music. He knows entire oratorios by heart and, as he says, "turns them on in his mind" whenever it is necessary to escape a dull sermon or other tiresome event. He remarked once to a friend, whimsically, "If I could only play the pipe organ I think my life would be complete."

JUNIOR PROM POSTERS GO UP IN INSTITUTE

P-R-O-M IS COMING SIGN UP

Week of March 12

Posters in this form were displayed yesterday for the advance notice of the Junior Prom of the Class of 1929. All arrangements have been made for the affair except a few printing details and the orchestra will be announced in Monday's issue of THE TECH.

Once again the Main Dining Salon and Grand Ball Room of the Copley-Plaza Hotel have been chosen for the dinner and dancing. This year the cost of the signups has been lowered to \$4 in lieu of \$5 as it has been in the past two years. The total price of the Prom will remain the same, \$12.

As usual, the Junior Class will be given the first chance to sign up on Monday. On Tuesday the Seniors and graduate students will be allowed to sign up, as well as the Juniors. Thereafter the signup will be open to all students of the Institute until the close of the campaign.

SOPH TICKET SALESMEN

There will be a meeting of all men selling tickets to the Sophomore Dance in Room 4-138 this afternoon at 5 o'clock.

Pitt Van Dusen Talks at Student Forum on Sunday

Second Union Student Meeting Will Be Held at the First Baptist Church

Henry Pitt Van Dusen, noted Y. M. C. A. student worker, will address a union service of all Greater Boston students next Sunday evening at 7:30 o'clock. He will discuss the question, "Is Religion Reasonable?" This is the second of a series of three Lenten talks and will be held at the First Baptist Church, at the corner of Clarendon Street and Commonwealth Avenue.

This address is being given under the auspices of a committee composed of representatives of all student religious groups in the Metropolitan area, and includes students from all denominations. The first of the series was given at Trinity Church two weeks ago, when Dr. Henry Sloan Coffin of New York was the speaker.

Mr. Van Dusen was originally booked to speak before the Back Bay Students Committee, the leading component organization of the larger committee. At the request of the committee members, Theodore Taylor '26, chairman of the Back Bay Students Committee, loaned Mr. Van Dusen to those in charge of the union meetings.

Following the address on Sunday, there will be a forum in which Mr. Van Dusen will subject himself to a barrage of questions from the floor. Refreshments will be served, it was learned.

Third on the list of speakers is Stanley High, who will speak at the Mount Vernon Church, at the Boston end of Harvard Bridge, on March 25. His specific subject has not as yet been announced, but it is known that he will discuss some angle of the general theme of the series, "Atheism or God."

DETAIL SENIOR WEEK WORK TO COMMITTEES

Nine Subcommittees Named By General Committee

Nine sub-committees have been selected by the Senior Week committee for the various details of the work, and since their appointment on Monday, these committees have made noticeable progress. It is expected that details of the preparations may be made public in the near future.

The personnel of these committees is as follows:

Picnic—Paul E. Ruch, chairman; Carl J. Bernhardt, Albert J. Puschin and Ames B. Hettrick.

Pops Concert—James Donovan, chairman; Walter J. Nock and George P. Palo.

Banquet—Peter H. Kirwin, chairman; James A. Cullen and Raymond A. Jack.

Baccalaureate Sunday—Norton M. Case, chairman, and Christopher M. Case.

Class Day—Donald E. Perry, chairman, and Richard B. Goble.

Tea Dance—Robert Cook, chairman, and Robert J. Joyce.

Prom—Charles H. Topping, chairman; Morris M. Cohen, Carl W. Glen and Cyril B. Meagher.

Booklet—John C. Melcher, chairman; Alva H. Pearsall and Albert S. Dempewolf.

Publicity and Signups—Allen S. Richmond, chairman; George I. Chatfield, Elisha Gray and Albert J. Gracia.

As previously announced, the Executive Committee which the entire general committee elected is composed of Gilbert J. Ackerman, chairman; Peter H. Kirwin, secretary; Homer A. Burnell, treasurer; Elisha Gray, member-at-large, and Earl W. Glen '29, Junior Class member.

At the same time as the subcommittees were appointed, the Senior Week Committee also appointed Arthur R. Keith and John A. Russell to the general committee.

AUTOMOTIVE LECTURE

Dr. H. C. Dickinson of the Bureau of Standards will speak this afternoon at 3 o'clock in Room 3-270. All interested in automotive engineering are invited.

DYNAMO LAB EXPERIMENTS

Reports on experiments performed in the Dynamo Laboratory during the First Term 1927-28 may be obtained at the Instrument Room (10-028) until March 15, 1928. Reports not called for by that time will be destroyed.

POP CONCERT WILL BE HELD MARCH 31

Tickets will be placed on sale shortly for the annual Pop Concert which is customarily given by the Combined Musical Clubs at this time of the year. The Pop Concert idea is taken from the Pop Concerts given at Symphony Hall each year, where a concert of good music is given at popular prices. The affair here is always formal, and compares with the annual spring and winter concerts. It was begun three years ago as an experiment, but its immediate success made it an annual affair.

This year's concert will be held at Walker Memorial on Friday evening, March 23, the tickets being 75 cents apiece. All of the musical clubs of the Institute will participate in the concert, as will the several specialty numbers.

Automatic Cable Reeler Invented By Institute Man

Machine Tests For Insulation During Process of Manufacture

Mr. James L. Entwistle '21, of the Electrical Engineering Department has invented a machine which will reel up cable during the process of manufacture and subject the cable to a high tension test at the same time, it has recently been announced.

This invention, which Mr. Entwistle has sold to the General Electric Company, will eliminate a hazard from the industry, as the previous method of testing wire was dangerous and frequently resulted in accidents of a serious nature. Among the patents that he has applied for in safeguarding his invention are many original approaches in the solution of his problem.

In his description of the automatic reeler, Mr. Entwistle says that "it is intended for cable from 1/2 to 3 1/2 inches in diameter for reels from 24 to 72 feet long, and weighing up to three tons. The high tension tests on the insulation are designed for any voltage not exceeding 45,000.

Representatives of wire plants from all sections of the country have become interested in this invention. Recently the machine was demonstrated before many experts in the wire testing field. The total cost of the machine, according to Mr. Entwistle will be about \$10,000. The market upon this product is restricted to about 30 companies who can use about 400 machines.

BUSH AND BAUSCH WRITE FOR T. E. N.

Articles on Optics and the Integraph Featured

Professor Vannevar Bush '16, who developed the now famous Electrical Integration Machine in the Graduate Electrical Engineering Research Laboratory, has written a complete account of his work in the March issue of the *Tech Engineering News*. This will be on sale next Monday and Tuesday.

He not only gives a complete description of the Integraph, but outlines the underlying theory and principles involved in "The Mechanical Solution of Engineering Problems."

"Engineering in the Optical Industry" is by Carl L. Bausch, of the Bausch and Lomb Optical Company. Mr. Bausch describes the production of the wide variety of optical instruments in industrial and scientific use, and outlines the problems in both mechanical and optical engineering which are involved in the large scale manufacture of a quality precision product. In addition to several articles, the usual features of departmental notes, engineering field notes, editorials, and book reviews serve to round out the issue.

AUTOMOTIVE EXPERT WILL SPEAK TODAY

"Research in Automotive Engineering" will be the topic of a talk this afternoon by Dr. H. C. Dickinson, Chief of the Division of Heat and Power of the U. S. Bureau of Standards. Dr. Dickinson comes at the invitation of President Samuel W. Stratton and will speak in Room 3-270 at 3 o'clock. All members of the student body and instructing staff are invited.

Dr. Dickinson has played a prominent part in the activities of the Society of Automotive Engineers, and is well known in his profession for the work he has carried out. This afternoon he will probably discuss automotive engineering in connection with the problems and methods of research carried on in his division of the Bureau of Standards. An opportunity for questions and discussion will be offered after the talk.

Extension Course In Aeronautics Is Begun at Institute

Series of Eight Lectures Will Cover Elementary Aero Theory

"Fundamental Theory and Practice of Aeronautics" is the name of the new extension course which was opened recently. The first meeting of the course was held in Room 5-226 on Thursday, March 1st at 7:30 p. m., in charge of Instructor Walter F. Eade, a consulting aeronautical engineer of the Institute. There are to be eight lessons in the course for which the fee is \$10.

A very essential requirement in aviation today is a thorough knowledge, not only of practice but also of the underlying theory. The aim of this course is to present the principles of aeronautics which are of value to persons who plan to enter the industry, or who wish to keep in touch with the progress which is being made in aviation.

During the period of the course nine subjects will be lectured upon. In many of these lectures the subjects under discussion will be illustrated by a complete set of lantern slides. The following topics will be touched upon during the course: Types of Aircraft; Component Parts of Aircraft; Elementary Theory of Lift; Instruments; Specifications; Materials of Construction; Theory and Construction of the Propeller; Types of Aircraft Engines and Variations in Design; and the Performance estimate of a definite airplane with calculations and curves.

Instructor Eade in charge of the course has had a wide experience in aeronautical work. In 1917-18 he worked on the design of a battle plane for the Curtis Company which was tested and flown successfully. In 1918-19 he was engaged on aeroplane production for the government at the Springfield Aircraft Company. The period of 1919-20 was spent on research in wind tunnel operation at the Institute for the government. Mr. Eade is now Research Associate in Aeronautics at the Institute and has charge of the Naval Reserve Training Corps for Aviation Officers.

ENGINEER GYMNASTS TRAVEL TO HANOVER

Dartmouth Last Year's League Champions

Dartmouth and Technology's gym teams will meet at Hanover tomorrow. Both teams appear to be pretty evenly matched as each of them has defeated Temple. Dartmouth defeated them 48-6 while the Engineer's score was slightly below that. The Engineers have been improving steadily and boast of a well balanced team.

Sadler is the leading man on the Hanover team. He is an all around gymnast and will give the Engineers considerable opposition in several events. Dartmouth is last year's Eastern Intercollegiate Gymnastic champions and is out to repeat the record again this year.

This is the critical meet in the Engineer's league schedule as they have won one meet and lost one, Navy not being in the league. If they succeed in defeating Dartmouth they will stand a good chance of finishing pretty near the top. Princeton will probably walk off with this year's title as they already have several victories and no defeats to their credit.

CREW MANAGEMENT

There is now an opportunity for two more freshmen in the Crew management competition, for at present there are not enough competitors to fill available positions next year. Candidates should report at once at the boathouse after 5 o'clock in the afternoon.

BASEBALL MANAGERS

Freshman and Sophomore baseball managers wanted. Freshman and Sophomore candidates are wanted for position of assistant manager on the Beaver baseball team.

BASEBALL PLAYERS

There will be an important meeting of all baseball candidates on Friday March 9, in Room 2-190. All men interested are urged to be present.

TRY **FABERY'S SALTS**
The best saline laxative
Over 30 years on the market
MILLER DRUG CO.

Shh-h!
The Young Lady



Whose back is toward you, has just told the young man that she will cancel a previous date any time he will take her to—

The Smartest Place to Dine and Dance in Boston

MUSIC BY LEO REISMAN

The New **EGYPTIAN ROOM**

of 1927

AT HOTEL BRUNSWICK

SIMPLEX

WIRES AND CABLES

INSULATED WITH RUBBER

PAPER OR VARNISHED

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SIMPLEX WIRE & CABLE CO

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Ready-made And Cut to Order

ESTABLISHED ENGLISH UNIVERSITY STYLES, TAILORED OVER YOUTHFUL CHARTS SOLELY FOR DISTINGUISHED SERVICE IN THE UNITED STATES.



Charter House

Suits \$40, \$45, \$50 Topcoats



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Story on New Chromium
Plating Process

Tech Engineering News will put its March issue on sale in the corridors both today and tomorrow. In view of the large sale of the February issue, the management has increased the printing order by 100 copies in order to meet the anticipated demand for the current number.

A featured article is one by Professor James F. Norris on "The National Research Council." This body, organized to meet the emergencies of the World War, has continued its functions in peace-time pursuits, and is today one of the most important factors in the coordination of attack upon problems of major scientific and industrial importance. Dr. Norris is a member of the Executive Council of the organization.

"The Development of Chromium Plating" is by Professor Walter C. Schumb of the Department of Chemistry. This new electrochemical process has recently come into prominence through its adoption by many of the leading automobile manufacturers to impart a lasting finish to radiator shells, bumpers, and other polished metal parts. The history of the process is briefly outlined, and the theory and practice of its modern application are described in detail.

There is also an article entitled, "The Story of Petroleum Refining," by Professor Harold C. Weber '18 of the School of Chemical Engineering Practice. He makes a survey of the present and past methods for supplying the demand for gasoline, and gives some observations as to the probable sources of motor fuel when our petroleum reserves are exhausted.

Can Count Atoms More Accurately Than Population

Doctor Miles S. Sherrill '99,
Gives Society of Arts Talk
On Atomic Structure

Atoms and molecules can now be counted with greater accuracy than the population of a large city like London, Doctor Miles S. Sherrill '99, Professor of Theoretical Chemistry at the Institute, said in a Society of Arts Lecture in 10-250 yesterday. The lecture was also given Friday and Saturday.

"We no longer doubt the existence or reality of atoms," he said. "It is possible to determine the number of molecules in one gram molecular weight of a substance which is equal to the number of atoms in one gram atomic weight of any element. This huge number is 606.2 sextillion."

Professor W. L. Bragg of the University of Manchester, England, now lecturing at Technology, has shown how it is possible by study of X-ray reflection from crystal surfaces to determine the exact positions and spacings of atoms in crystals. Prof. Sherrill pointed out, and displayed a number of Professor Bragg's models.

The lecturer showed a moving picture of the Brownian motion of mercury particles. Study of this motion, he said, makes it possible to count atoms and molecules. He also showed an ultramicroscope through which molecular motion in a colloidal solution of gold is visible. The particles of gold are seen as bright spots moving with a perpetual random motion, much as notes of dust in a dark room are rendered visible by a beam of sunlight.

Professor Sherrill demonstrated the Geiger Counter, an instrument so sensitive that it will detect even a single electron. The Geiger counter was connected with an electrical amplifying system, and when an object coated with a radium paint such as used on wrist watches, was held near the instruments, a series of raps were heard. A very loud series of raps was caused by holding a small quantity of radium chloride, only \$1,900 worth, near the device.

"These raps," Professor Sherrill said, "are not from a spirit world, but nevertheless from another world, namely the world locked up within the atom, and these electrons and alpha particles are the only messengers we have from this world."

Professor Sherrill called attention to the importance of the Geiger counter in medical science. "Dr. H. C. Blumgart of the Boston City Hospital," he said, "has made a very wonderful application of the instrument." (Continued on page 4)

Laurence Luey Wins Two Swimming Titles

Laurence Luey '29, high scorer on the Institute swimming team, brought his competition to a close for this season with two fine performances in the 150-yard backstroke last week. On Thursday night he entered the New England A. A. U. championships and not only won the race, but established a new New England A. A. U. record of 1 minute 55 seconds. In the New England Intercollegiate on Saturday Luey gained another championship in his favorite event in the time of 1 minute 54½ seconds. In addition he swam on the medley relay team that placed third.

MORE BULL WILL BE THROWN TOMORROW

Room 10-340 will again be the scene of a bull-session when the second meeting will be held tomorrow afternoon at 4 o'clock. Last week over sixty students were present who entered into a lively discussion on the question, "Is there a God." That question was not fully decided at the first meeting, so it will be discussed again tomorrow. When this question has been decided, others will be taken up such as "Companionate Marriage," "Patriotism, Nationalism and their relation to war" and "Sex." All of these questions will be debated upon and all students are invited to come to the open forum and air their views on these subjects.

SECURE ERNIE ANDREWS FOR JUNIOR PROM

Boxing Team In
Second Draw With
New Hampshire

O'Malley and Bolanos Provide
Most of the Action in
Tie Meet

New Hampshire's boxing team closed its season Saturday with a three to three tie against Technology at Durham. The teams met at the Hangar Gym earlier in the season and fought with the same result. In the first match New Hampshire scored points by two knockouts and a decision but this time they scored only by decisions. The only knockout of the match came in the 175 pound class and was scored by Captain O'Malley of Technology.

As usual, the Engineers were strong in the lightweight events, scoring two of their three points in these events. Bob Sidur won the decision over Richards in the 115 pound class for his fourth win of the season. In the next event, the 125 pound class, Bob Peatfield lost for the second time this season to Luckinski of New Hampshire.

The 135 pound class proved to be the feature of the evening. Johnny Bolanos of Technology won his fourth consecutive bout of the season by defeating Dresser of New Hampshire. The bout was so close that it was impossible to declare the winner after the third round and had to go an extra one before the judges were able to decide that Bolanos had a slight edge over the Durham boy.

The second point for New Hampshire was scored in the 145 pound class by Ahearn's victory over Jameson. In the first match the Engineer beat Ahearn after a hard fight but could not hold the decision from the Wildcat this time. The next bout also resulted in a point being added to the New Hampshire total. Svenson fighting his second bout of the season for the Engineers, lost the decision in the 160 pound class to Greener of New Hampshire after a close three rounds. This brought New Hampshire's total up to three against the two for the Engineers and left the last bout to decide the match.

Captain O'Malley of Technology opposed Roy of New Hampshire in the final bout of the match. The Durham (Continued on page 4)

HAS BEST BRASS COMBINATION OF ANY ORCHESTRA

Signups Go On Sale in Main
Lobby This Morning For
Junior Class

FAVORS ARE ORDERED

Immediately following their success at the Dartmouth Winter Carnival, Ernie Andrews and His El Patio Troubadours were signed up by the Junior Prom Committee to furnish the music for the Prom at the Copley-Plaza Grand Ball Room from 10 o'clock until 4 Friday, April 20. The Troubadours are particularly noted for having a brass section, consisting of three trumpets and a trombone, unsurpassed by any similar combination in the country.

In securing this twelve-piece band of musicians, singers and entertainers, the committee is bringing the same orchestra to Technology which made such a hit at the Williams Prom, Amherst Prom, and more recently at the Dartmouth Carnival. Favors for the Prom have already been ordered and are promised to be useful as well as novel.

Yellow signup slips for the Prom will be on sale in the Main Lobby today for Juniors only. Tomorrow signups may be obtained by Seniors and Graduates as well as Juniors, while the remainder of the week they may be obtained by all classes. This year the signups have been reduced to four dollars, but the total price of the Prom will remain the same, twelve dollars.

There will be a representative of the Prom Committee with signups in Rogers Building on Thursday and Friday afternoons. Redemption week will begin April 2 and at this time some 50 stag tickets will be put on sale. Seating arrangements for dinner at the Prom will be made during Redemption week.

Third School Basketball Tournament Begins Thursday in the Hangar Gym

Arlington, Medford Favored;
Everett Missing From
Tourney Line-up

Mr. Henry P. McCarthy, as director of the third annual Technology tournament for the high school basketball championship of eastern Massachusetts, selected eight teams as having qualified as contenders for the title. The teams, picked on the basis of their scores for the season, are: Medford High, Arlington High, Brockton High, Gloucester High, Lynn Classical High, Framingham High, New Bedford Vocational School and Chelsea High.

The drawing of opponents will take place this morning in Director McCarthy's office. The tournament will begin at 4 o'clock next Thursday afternoon in the Hangar Gymnasium, with Medford High, last year's champions, endeavoring to retain the title.

When the draw is made, it is very probable that a certain amount of "seeding" will be in order. Medford High and Arlington High, judging from their records, should be placed in opposite brackets, since the "dopesters" agree that, barring unforeseen circumstances, these two teams are the logical ones to clash in the finals.

Everett High, the only undefeated team in the district, is conspicuous by its absence from the lineup. This team turned down the Technology invitation in favor of the Glen Falls Eastern States Tournament. St. John's Prep of Danvers, also undefeated, wanted to enter this tourney. The Glen Falls officials have notified both Everett and St. John's that only one team is desired from this section of the State, so the two teams had better play each other in order that the winner might qualify. This is a bitter pill for Everett to swallow. Nevertheless, the team voted to meet St. John's Prep on some neutral floor in Greater Boston. Coach O'Neill has offered the Danvers school Saturday night, March 17, as the date of the meeting, and if this is accepted, it will conflict with the final round of the M. I. T. games.

The odds are all in favor of the St. John's Prep team, which is composed of older boys recruited from some of the best players in New England.

CALENDAR

Monday, March 12
5:00—Christian Science Society, Room 4-132.
Tuesday, March 13
4:00—Bull Session, Room 10-340.
Wednesday, March 14
12:00—Faculty Club, Faculty Dining Room Walker.
7:30—Freshman Dance Committee, 403 Memorial Drive.

A Record of Continuous News Service for 47 years.



Official News Organ of the Undergraduates of M. I. T.

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THE GREAT SPORTS MYTH

RESOUNDING cheers echo back and forth across the huge two-million-dollar bowl... Frenzied fans are on their feet rationally shouting, plaintively urging, desperately cursing eleven worn youths on to victory—stalwarts valiantly striving all in the fair name of Alma Mater. That evening screaming headlines shriek forth the results of this important sporting contest to the exclusion of practically all other news. Thus once more is chronicled in the annals of sports history another tale in "The Great Sports Myth."

In bye-gone days, prior to these huge organized sporting spectacles there could be found in large numbers, real sport lovers, amateurs who really enjoyed the chosen sport. Today one may seek for many a weary day and happen upon very few of the latter class. It is these adherents of real sport who, in their informal playing, "taste the full enjoyment of the game."

One form of fiction, termed by a former sporting editor "The Great Sports Myth," has grown up in the public mind. "caused," he says, "by confusing the effects of friendly sport with those of the highly organized competitions. For this fiction, the sporting writers of the big city dailies are very largely responsible in their altogether human effort to glorify their trade. They give an amount of space to sports out of all proportion to their importance."

All competitive sport, they tell us, is health-giving, character-building, brain making. Highly organized competitive sport is by no means character-building. That this is true may be seen from the elaborate set of rules necessary for the proper functioning of a game. International sports, we are also told, foster good-will and friendly-feeling. But that they also breed contention and intense hatred is not revealed to the gullible.

Yet "The Great Sports Myth" continues unabated. It will grow and grow until its own top-heaviness will topple it. Perhaps then sports will be rid of the huge surplus of "shamateurs."

MORE AMERICAN MYTHOLOGY

"Whatever may be the limitations which trammel inquiry elsewhere, we believe that the great state University of Wisconsin should ever encourage that continual and fearless sifting and winnowing by which alone the truth can be found."

SO reads the inscription on one of the halls of the University of Wisconsin taken verbatim from the report of the board of regents in 1894. And that policy has attracted many students to the school.

Recently, however, a black funeral plaque with the legend "Mrs. Bertrand Russell" was found hanging to the famous free-speech tablet. The University had cancelled a lecture by Mrs. Russell, for the reason that some of her other speeches have exceeded the limits of "good taste." Many a fond parent has since written to the president thanking him for saving his child from such dangerous radicals.

Among the students on the other hand, there is widespread dejection, because they who prided themselves on attending a school where liberality was the keynote have discovered that they attend merely another state university. It is always rather pitiful to witness the disillusionment of idealists. Who but an idealist could consider that free speech as it is seen by the majority of the people in this country, and especially by those in higher positions, means freedom to speak as long as the current idea of "good taste" is not overstepped? The adherents of true free speech have never held any appreciable power in this country in recent years.

Although the youth of the country have thrown down the ideals of their parents, yet they are still apparently as much idealists as their parents were. This is well evidenced by their almost religious fervor in believing that free speech is a present possibility in this country. In spite of the fact that a reporter couldn't find "a single sensational statement to hang on her," Mrs. Bertrand Russell will find few speakers' platforms in colleges open to her, in spite of the students' youthful ideal of free speech.

With The American College Editors

FRATERNITY EDUCATION

"The letter which appeared in the Campus Comment Column of the Daily, Tuesday, revives an interesting topic, one which has been given the earnest consideration of college fraternities. Shall hell week be abolished, or shall it be allowed to continue?"

"The complaint is apparently not directed at hell week alone, but also toward paddling and rough housing in general. The consensus of opinion among fraternity men, men who have undergone the ordeals of pledgship and initiation, would seem to vindicate these institutions so typical of college fraternities."

"When a freshman is pledged, he is likely to assume an exalted opinion of his qualifications and merits. He has been singled out, from a large student body, for prospective membership in a fraternity. The members of the fraternity like the young man; his pledging bears this out. But will his ego make a desirable member?"

"Enter the paddle. This instrument for good (or evil), chastens the spirit of the freshman. He hearkens back to the days of his boyhood, those days which he thought he had left behind. The punishment is not physical; it is mental. The freshman is no longer a fraternity pledge; he is a bad boy who is being punished for his sins. And need it be said that the freshman soon regains his equilibrium through this homely means of expressing dissatisfaction with his actions?"

"Fraternities are not made up of individuals, or, if you will, egotists. These personalities will not fit in with any group. When a freshman is going through hell week, he receives consolation from the fact that his tormentors, as he sees the upperclassmen, have undergone the same ordeal. In the years of his college life succeeding initiation, he becomes aware of the fact that hell week is not a carnival of joy for the upperclassman. It assumes rather the aspects of an obligation to the freshman's education, without which the neophyte is left lacking in a primary phase of fraternity life. He is raised to fraternal membership by degrees, not through the process of pledging."

"When hell week interferes with scholastic work, then it should be curtailed. But the majority of freshmen do not suffer more than a momentary handicap through the lack of sleep, incurred during hell week. More, hell week is not as bad as it is pictured."

"West Point is an institution that is renowned for the high type of men that it turns out. Yet these men, during their first years, are reminded on every turn of their shortcomings. Their persons and personalities seem unimpaired by such alleged ordeals." —The Minnesota Daily.

AS WE SEE THE MOVIES

METROPOLITAN

Can a red-headed girl get anything she wants whenever she wants it? We are rather inclined to feel that way after having seen Clara Bow, as the champion gold digger, get at a moment's notice a complete outfit of evening apparel, from the sheerest of step-ins to an ermine wrap, out of three sedate bachelors and a fur salesman.

Elinor Glynn wrote "Red Hair" especially for Clara Bow, and a piece couldn't suit her personality better. As an attractive manicurist, she is unequalled; in a swimming suit few her superiors; and when she finally has her last stitch of clothing taken by the detective and makes a dash for the lily pond—perhaps you'd better see it for yourself. As gold diggers go, few—not even excepting Lorelei Lee—ever have a speedier response from their subjects than this young red-head.

Gene's orchestra is even better than usual in its arrangements of musical features, which include a very famous clown pantomimist and some clever dog acrobats. A scene from Faust, with Mephisto and a chorus, are presented with the Metropolitan orchestra, as well as the customary organ number and news reel.

IKEY SAYS:

In conformity to our mania here in America for organization, Ikey would suggest a special high watch and ward society to watch the morals of the present group. At least quite recently there was published the account of a constable formerly a special investigator for the Watch and Ward Society on the charge of drunkenness. But then with this higher council, who would attend to their morals? The problem is too complicated for Ikey, so he will offer it to the Lounger's massive intellect to solve.

Play Directory

STAGE: COLONIAL: Sir Harry Lauder and company. COPLEY: "The Wrecker"—twin of the "Ghost Train." HOLLISS: American Opera Company. Two weeks of grand opera in English. MAJESTIC: "Straight Through the Door." Last seven days. PLYMOUTH: "Saturday's Children." Pleasing comedy of married youth. REPERTORY: "What Every Woman Knows." Barrie's famous comedy. SHUBERT: "Countess Maritza." Gypsy operetta, one more week. TREMONT: "Hit the Deck." A nautical-musical comedy. SCREEN: METROPOLITAN: "Red Hair," with Clara Bow. Reviewed in this issue. FENWAY: "Gentlemen Prefer Blondes." Back again. LOEW'S STATE: "The Latest From Paris," with Norma Shearer.

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One evening, when looking over a certain outdoor magazine, I read that a certain fisherman could catch more fish when using "Edgeworth," so I decided I would try "his" tobacco—for I am no poor fisherman!

The next day I tried to secure Edgeworth. The local country storekeeper did not have it, so I sent by a friend to the city for my first Edgeworth. Two things have happened: I still smoke Edgeworth, and the local storekeeper always has a supply.

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SPRINGFIELD SWIMMERS WIN NEW ENGLANDS

Beavers Tie for Fourth With Wesleyan---Luey is Back Stroke Champion

Springfield College, a new member of the New England Intercollegiate Association, annexed the annual championship on Saturday without much difficulty with a total of 35 points. Brown was second with 30 points, Williams third with 24, and Wesleyan and Technology were tied for fourth with 9 points each. Amherst, the only other contender, failed to score a point.

Laurence Luey was by far the outstanding Engineer in the meet. In the 150-yard backstroke he shattered the previous Institute record of 1 minute 58 3/5 seconds, made by him earlier in the year, by over four seconds, crossing the line in 1:54 5/10. This was the most interesting race of the meet. For the first five lengths practically all the contestants were neck and neck. At the beginning of the last lap it became evident that it would be a battle between Luey and Sittler and Merchant, both of Brown. Towards the middle of the lap Luey edged away from them and finally crossed the finish line about a yard ahead of Sittler, his nearest opponent. This was a great ending for Luey as just two weeks ago both Sittler and Merchant beat him out down at Providence.

Medley Team Places Third
Technology's medley relay team, composed of Luey, Puschin and Brown, placed third after a hard fought race. This event was won by Brown with a team composed of Merchant, Borden and Arnold. Here Merchant and Luey again had a struggle on their hands.

John Jarosh placed fourth in the 440-yard swim after putting up a very fine race. This event was won by Litchfield of Springfield with a time of 5 minutes 56 6/10 seconds, which is a new Williamstown pool record.

Ralph Appleton placed third in the 300-yard individual medley. This event was taken by Schott of Williams after a very fast and interesting race. Schott set a new record for this event.

Technology's yearling relay team came in third after a hard battle. The team was composed of Carl Baker, Francis Lutz, Edward Mackay and Joseph Noyes. All of these men will be eligible for Varsity competition next year and promise to make a valuable addition to the Varsity's strength.

BIG GREEN GYMNASTS DOWN BEAVERS 44-10

Dave Wells Stars for Engineers Placing in Three Events

Dartmouth's gymnasts had little trouble in defeating the Engineers 44-10 at Hanover on Saturday. The Green took all of the first places and a large number of the seconds. Dave Wells was the high point man for the Engineers, placing third on the high bar, parallels, and flying rings.

Norman Dolloff, Harold Fairchild and Captain Paul Stephenson were the other Engineers who placed. Dolloff put up a nice exhibition in tumbling, but he could not quite come up to Hobson of Dartmouth, who took the first. Fairchild and Herrick of the Green battled to a tie for second in the tumbling while Thomas walked off with a first. Stephenson was tied for third with Wells on the high bar.

Captain Sadler of Dartmouth was the high point man of the meet. He took two firsts, one in the parallels and the other on the high bar. His performance on the high bar was one of the best that the Engineers have encountered so far this season and he will be a favorite in this event in the intercollegiate.

As yet the Green is undefeated and the league championship lies between them and Princeton. Both of these schools have very strong teams and if they meet later in the season a very hard and close meet is sure to be the outcome of the contest. Princeton has added another victory to their string by defeating Army 39-15 on Saturday.

Summary:
Horizontal bar—Won by Sadler, Dartmouth; second, Hobson, Dartmouth; third, tie between Stephenson and Wells, M. I. T.
Side horse—Won by Thomas, Dartmouth; second, tie between Herrick, Dartmouth, and Fairchild, M. I. T.
Parallel bars—Won by Sadler, Dartmouth; second, Stewart, Dartmouth; third, Wells, M. I. T.
Flying rings—Won by Zey, Dartmouth; second, Ruff, Dartmouth; third, Wells, M. I. T.
Tumbling—Won by Hobson, Dartmouth; second, Dolloff, M. I. T.; third, Gould, Dartmouth.
Rope climb—Won by Russell, Dartmouth; second, Zey, Dartmouth; third, Fairbanks M. I. T. Time—5 sec.

ORANGE FENCERS LOSE TO BEAVERS

Harris, Ferre, and Siller Each
Score Three Points As
M. I. T. Wins 9-8

Technology outfought the hitherto undefeated Syracuse fencing team in a meet in the Walker gym on Friday, gaining the edge over the Orange foils-men by the score of 9 to 8. Carlos Ferre '28 was the individual star of the Institute team, winning all three of his bouts with the foils.

It was in the foils that Technology clinched the meet by piling up a total of six points to 3 for the visitors. In addition to the bouts won by Ferre, Captain Harris secured a victory over one of his opponents and Siller added two more victories.

In the epee bouts the teams battled to a 2 to 2 draw. Harris and Siller both won from Plank and both lost to Beard. In the sabre bouts Captain Harris got an even break in two matches, while both Siller and Kononoff lost to their opponents. The summary:

Foils—Captain Harris of Technology, defeated Perry 5-2, lost to Beard 5-4, and lost to Plank 5-2. Ferre of Technology, defeated Beard 5-1, Perry 5-4, and Plank 5-1. Siller of Technology, defeated Beard 5-4, defeated Perry 5-4, and lost to Plank 5-4.

Epee—Captain Harris of Technology, defeated Plank and lost to Beard. Siller of Technology, defeated Plank and lost to Beard.

Sabre—Captain Harris of Technology, defeated Beard 5-3, and lost to Plank 5-2. Siller of Technology, lost to Plank 5-0. Kononoff of Technology lost to Beard 5-4.

Final score Technology 9, Syracuse 8.

BASEBALL MANAGERS

Freshman and Sophomore baseball managers wanted. Freshman and Sophomore candidates are wanted for position of assistant manager on the Beaver baseball team.

Harry Franks '27 To Coach B. U. Wrestlers

Harry E. Franks '27, former Technology wrestling star, has volunteered to coach the Boston University wrestling team for the remainder of the season. The Pioneers are organizing a team for the first time this year and hope to develop rapidly under the tutelage of a good coach. Franks had a fine record as a wrestler at the Institute. He captained his freshman team and was a regular on the Varsity team for three years. He had the unusual distinction of serving as captain of the Varsity team in both his Junior and Senior years.

CHRISTIAN SCIENCE SOCIETY
A meeting of the Christian Science Society will be held today in Room 4-132 at 5 o'clock.

WANTED

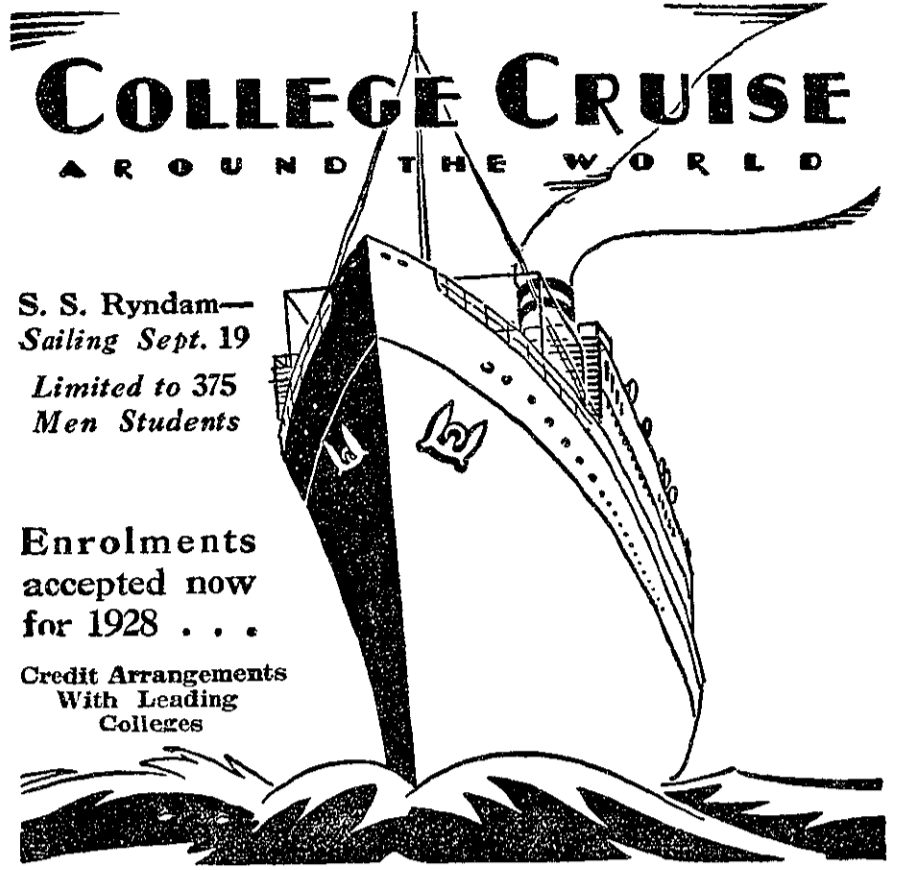
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THE GREAT SPORTS MYTH

RESOUNDING cheers echo back and forth across the huge two-million-dollar bowl... Frenzied fans are on their feet rousing shouting, plaintively urging, desperately cursing eleven worn youths on to victory—stalwarts valiantly striving all in the fair name of Alma Mater. That evening screaming headlines shriek forth the results of this important sporting contest to the exclusion of practically all other news. Thus once more is chronicled in the annals of sports history another tale in "The Great Sports Myth."

In bye-gone days, prior to these huge organized sporting spectacles there could be found in large numbers, real sport lovers, amateurs who really enjoyed the chosen sport. Today one may seek for many a weary day and happen upon very few of the latter class. It is these adherents of real sport who, in their informal playing, "taste the full enjoyment of the game."

One form of fiction, termed by a former sporting editor "The Great Sports Myth," has grown up in the public mind. "caused," he says, "by confusing the effects of friendly sport with those of the highly organized competitions. For this fiction, the sporting writers of the big city dailies are very largely responsible in their altogether human effort to glorify their trade. They give an amount of space to sports out of all proportion to their importance."

All competitive sport, they tell us, is health-giving, character-building, brain making. Highly organized competitive sport is by no means character-building. That this is true may be seen from the elaborate set of rules necessary for the proper functioning of a game. International sports, we are also told, foster good-will and friendly-feeling. But that they also breed contention and intense hatred is not revealed to the gullible.

Yet "The Great Sports Myth" continues unabated. It will grow and grow until its own top-heaviness will topple it. Perhaps then sports will be rid of the huge surplus of "shamateurs."

MORE AMERICAN MYTHOLOGY

"Whatever may be the limitations which trammel inquiry elsewhere, we believe that the great state University of Wisconsin should ever encourage that continual and fearless sifting and winnowing by which alone the truth can be found."

SO reads the inscription on one of the halls of the University of Wisconsin taken verbatim from the report of the board of regents in 1894. And that policy has attracted many students to the school.

Recently, however, a black funeral plaque with the legend "Mrs. Bertrand Russell" was found hanging to the famous free-speech tablet. The University had cancelled a lecture by Mrs. Russell, for the reason that some of her other speeches have exceeded the limits of "good taste." Many a fond parent has since written to the president thanking him for saving his child from such dangerous radicals.

Among the students on the other hand, there is widespread dejection, because they who prided themselves on attending a school where liberality was the keynote have discovered that they attend merely another state university. It is always rather pitiful to witness the disillusionment of idealists. Who but an idealist could consider that free speech as it is seen by the majority of the people in this country, and especially by those in higher positions, means freedom to speak as long as the current idea of "good taste" is not overstepped? The adherents of true free speech have never held any appreciable power in this country in recent years.

Although the youth of the country have thrown down the ideals of their parents, yet they are still apparently as much idealists as their parents were. This is well evidenced by their almost religious fervor in believing that free speech is a present possibility in this country. In spite of the fact that a reporter couldn't find "a single sensational statement to hang on her," Mrs. Bertrand Russell will find few speakers' platforms in colleges open to her, in spite of the students' youthful ideal of free speech.

With The American College Editors

FRATERNITY EDUCATION

"The letter which appeared in the Campus Comment Column of the Daily, Tuesday, revives an interesting topic, one which has been given the earnest consideration of college fraternities. Shall hell week be abolished, or shall it be allowed to continue?"

"The complaint is apparently not directed at hell week alone, but also toward paddling and rough housing in general. The consensus of opinion among fraternity men, men who have undergone the ordeals of pledgship and initiation, would seem to vindicate these institutions so typical of college fraternities."

"When a freshman is pledged, he is likely to assume an exalted opinion of his qualifications and merits. He has been singled out, from a large student body, for prospective membership in a fraternity. The members of the fraternity like the young man; his pledging bears this out. But will his ego make a desirable member?"

"Enter the paddle. This instrument for good (or evil), chastens the spirit of the freshman. He hearkens back to the days of his boyhood, those days which he thought he had left behind. The punishment is not physical; it is mental. The freshman is no longer a fraternity pledge; he is a bad boy who is being punished for his sins. And need it be said that the freshman soon regains his equilibrium through this homely means of expressing dissatisfaction with his actions?"

"Fraternities are not made up of individuals, or, if you will, egotists. These personalities will not fit in with any group. When a freshman is going through hell week, he receives consolation from the fact that his tormenters, as he sees the upperclassmen, have undergone the same ordeal. In the years of his college life succeeding initiation, he becomes aware of the fact that hell week is not a carnival of joy for the upperclassman. It assumes rather the aspects of an obligation to the freshman's education, without which the neophyte is left lacking in a primary phase of fraternity life. He is raised to fraternal membership by degrees, not through the process of pledging."

"When hell week interferes with scholastic work, then it should be curtailed. But the majority of freshmen do not suffer more than a momentary handicap through the lack of sleep, incurred during hell week. More, hell week is not as bad as it is pictured."

"West Point is an institution that is renowned for the high type of men that it turns out. Yet these men, during their first years, are reminded on every turn of their shortcomings. Their persons and personalities seem unimpaired by such alleged ordeals."

—The Minnesota Daily.

AS WE SEE THE MOVIES

METROPOLITAN

Can a red-headed girl get anything she wants whenever she wants it? We are rather inclined to feel that way after having seen Clara Bow, as the champion gold digger, get at a moment's notice a complete outfit of evening apparel, from the sheerest of step-ins to an ermine wrap, out of three sedate bachelors and a fur salesman.

Elinor Glynn wrote "Red Hair" especially for Clara Bow, and a piece couldn't suit her personality better. As an attractive manicurist, she is unequalled; in a swimming suit few her superiors; and when she finally has her last stitch of clothing taken by the detective and makes a dash for the lily pond—perhaps you'd better see it for yourself. As gold diggers go, few—not even excepting Lorelei Lee—ever have a speedier response from their subjects than this young red-head.

Gene's orchestra is even better than usual in its arrangements of musical features, which include a very famous clown pantomimist and some clever dog acrobats. A scene from Faust, with Mephisto and a chorus, are presented with the Metropolitan orchestra, as well as the customary organ number and news reel.

IKEY SAYS:

In conformity to our mania here in America for organization, Ikey would suggest a special high watch and ward society to watch the morals of the present group. At least quite recently there was published the account of a constable formerly a special investigator for the Watch and Ward Society on the charge of drunkenness. But then with this higher council, who would attend to their morals? The problem is too complicated for Ikey, so he will offer it to the Lounger's massive intellect to solve.

Play Directory

STAGE: COLONIAL: Sir Harry Lauder and company. COPLEY: "The Wrecker"—twin of the "Ghost Train." HOLLIS: American Opera Company. Two weeks of grand opera in English. MAJESTIC: "Straight Through the Door." Last seven days. PLYMOUTH: "Saturday's Children." Pleasing comedy of married youth. REPERTORY: "What Every Woman Knows." Barrie's famous comedy. SHUBERT: "Countess Maritza." Gypsy opera, one more week. TREMONT: "Hit the Deck." A nautical musical comedy. SCREEN: METROPOLITAN: "Red Hair," with Clara Bow. Reviewed in this issue. FENWAY: "Gentlemen Prefer Blondes." Back again. LOEW'S STATE: "The Latest From Paris," with Norma Shearer.

"Eat the right way at the Fenway" FENWAY CAFE 1110 Boylston St. Open 7:30 A. M. - 8 P. M. GOOD FOOD AT REASONABLE PRICES Private parties accommodated Tel. Back Bay 3860

Never Gets a "Bite" From This Tobacco Jasper, Tenn. March 23, 1927

Larus & Bro. Co. Richmond, Va. Gentlemen: I have always wanted to smoke a pipe. After several attempts I gave my "taste" up, for with each trial I got a blistered tongue. One evening, when looking over a certain outdoor magazine, I read that a certain fisherman could catch more fish when using "Edgeworth," so I decided I would try "his" tobacco—for I am no poor fisherman! The next day I tried to secure Edgeworth. The local country storekeeper did not have it, so I sent by a friend to the city for my first Edgeworth. Two things have happened: I still smoke Edgeworth, and the local storekeeper always has a supply. I catch fish and never get "a bite" from Edgeworth! Yours for keeps, H. V. Massey

Edgeworth Extra High Grade Smoking Tobacco

REPERTORY Sir James Barrie's Comedy Masterpiece What Every Woman Knows Eyes, at 8:15. Mats. Thurs. and Sat. at 2:15—Tel BACK Bay 7000

Statement of Ownership

Statement of the Ownership, Management, Circulation, etc., Required by the Act of Congress of August 24, 1912,

of THE TECH, published tri-weekly except college vacations at Cambridge, Mass., for April 1, 1928, State of Massachusetts, County of Middlesex.

Before me, Notary Public in and for the State and county aforesaid, personally appeared A. C. Pforzheimer, who, having been duly sworn according to law, deposes and says that he is the Business Manager of THE TECH and that the following is, to the best of his knowledge and belief, a true statement of the ownership, and management of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 443, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the General Manager, Editor, Managing Editor and Business Managers are: General Manager, L. C. Hamlin; Editor, H. Rouse; Managing Editor, W. W. Young; Business Manager, A. C. Pforzheimer; all of Cambridge, Mass.

All equipment owned by THE TECH TRUST FUND, Cambridge, Mass., and rented by the Current Volume.

Officers: Mr. H. E. Lobdell, M. I. T., Cambridge, Mass.; Mr. Winward Prescott, M. I. T., Cambridge, Mass.; Mr. H. D. Peck, 99 State St., Boston, Mass.

3. That the above bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. That the two paragraphs, next above, giving the names of the owners, stockholders, and security holders contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements and embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is—(This information is required from the daily publications only.)

A. C. Pforzheimer, Business Manager.

Sworn to and subscribed before me this 5th day of March, 1928.

William Jackson, Notary Public. (My commission expires October 26, 1928.)

What to see in BRITAIN

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SPRINGFIELD SWIMMERS WIN NEW ENGLANDS

Beavers Tie for Fourth With Wesleyan---Luey is Back Stroke Champion

Springfield College, a new member of the New England Intercollegiate Association, annexed the annual championship on Saturday without much difficulty with a total of 35 points. Brown was second with 30 points, Williams third with 24, and Wesleyan and Technology were tied for fourth with 9 points each. Amherst, the only other contender, failed to score a point.

Laurence Luey was by far the outstanding Engineer in the meet. In the 150-yard backstroke he shattered the previous Institute record of 1 minute 58 3/5 seconds, made by him earlier in the year, by over four seconds, crossing the line in 1:54 5/10. This was the most interesting race of the meet. For the first five lengths practically all the contestants were neck and neck. At the beginning of the last lap it became evident that it would be a battle between Luey and Sitler and Merchant, both of Brown. Towards the middle of the lap Luey edged away from them and finally crossed the finish line about a yard ahead of Sitler, his nearest opponent. This was a great ending for Luey as just two weeks ago both Sitler and Merchant beat him out down at Providence.

Medley Team Places Third
Technology's medley relay team, composed of Luey, Puschin and Brown, placed third after a hard fought race. This event was won by Brown with a team composed of Merchant, Borden and Arnold. Here Merchant and Luey again had a struggle on their hands.

John Jarosh placed fourth in the 440-yard swim after putting up a very fine race. This event was won by Litchfield of Springfield with a time of 5 minutes 56 6/10 seconds, which is a new Williamstown pool record.

Ralph Appleton placed third in the 300-yard individual medley. This event was taken by Schott of Williams after a very fast and interesting race. Schott set a new record for this event.

Technology's yearling relay team came in third after a hard battle. The team was composed of Carl Baker, Francis Lutz, Edward Mackay and Joseph Noyes. All of these men will be eligible for Varsity competition next year and promise to make a valuable addition to the Varsity's strength.

BIG GREEN GYMNASTS DOWN BEAVERS 44-10

Dave Wells Stars for Engineers Placing in Three Events

Dartmouth's gymnasts had little trouble in defeating the Engineers 44-10 at Hanover on Saturday. The Green took all of the first places and a large number of the seconds. Dave Wells was the high point man for the Engineers, placing third on the high bar, parallels, and flying rings.

Norman Dolloff, Harold Fairchild and Captain Paul Stephenson were the other Engineers who placed. Dolloff put up a nice exhibition in tumbling, but he could not quite come up to Hobson of Dartmouth, who took the first. Fairchild and Herrick of the Green battled to a tie for second in the tumbling while Thomas walked off with a first. Stephenson was tied for third with Wells on the high bar.

Captain Sadler of Dartmouth was the high point man of the meet. He took two firsts, one in the parallels and the other on the high bar. His performance on the high bar was one of the best that the Engineers have encountered so far this season and he will be a favorite in this event in the intercollegiate.

As yet the Green is undefeated and the league championship lies between them and Princeton. Both of these schools have very strong teams and if they meet later in the season a very hard and close meet is sure to be the outcome of the contest. Princeton has added another victory to their string by defeating Army 39-15 on Saturday.

Summary:
Horizontal bar—Won by Sadler, Dartmouth; second, Hobson, Dartmouth; third, tie between Stephenson and Wells, M. I. T.
Side horse—Won by Thomas, Dartmouth; second, tie between Herrick, Dartmouth, and Fairchild, M. I. T.
Parallel bars—Won by Sadler, Dartmouth; second, Stewart, Dartmouth; third, Wells, M. I. T.
Flying rings—Won by Zey, Dartmouth; second, Ruff, Dartmouth; third, Wells, M. I. T.
Tumbling—Won by Hobson, Dartmouth; second, Dolloff, M. I. T.; third, Gould, Dartmouth.
Rope climb—Won by Russell, Dartmouth; second, Zey, Dartmouth; third, Fairbanks M. I. T. Time—6 sec.

ORANGE FENCERS LOSE TO BEAVERS

Harris, Ferre, and Siller Each
Score Three Points As
M. I. T. Wins 9-8

Technology outfought the hitherto undefeated Syracuse fencing team in a meet in the Walker gym on Friday, gaining the edge over the Orange foils-men by the score of 9 to 8. Carlos Ferre '28 was the individual star of the Institute team, winning all three of his bouts with the foils.

It was in the foils that Technology clinched the meet by piling up a total of six points to 3 for the visitors. In addition to the bouts won by Ferre, Captain Harris secured a victory over one of his opponents and Siller added two more victories.

In the epee bouts the teams battled to a 2 to 2 draw. Harris and Siller both won from Plank and both lost to Beard. In the sabre bouts Captain Harris got an even break in two matches, while both Siller and Kononoff lost to their opponents. The summary:

Foils—Captain Harris of Technology, defeated Perry 5-3, lost to Beard 5-4, and lost to Plank 5-2. Ferre of Technology, defeated Beard 5-1, Perry 5-4, and Plank 5-1. Siller of Technology, defeated Beard 5-4, defeated Perry 5-4, and lost to Plank 5-4.

Epee—Captain Harris of Technology, defeated Plank and lost to Beard. Siller of Technology, defeated Plank and lost to Beard.

Sabre—Captain Harris of Technology, defeated Beard 5-3, and lost to Plank 5-2. Siller of Technology, lost to Plank 5-6. Kononoff of Technology lost to Beard 5-4.
Final score Technology 9, Syracuse 8.

Harry Franks '27 To Coach B. U. Wrestlers

Harry E. Franks '27, former Technology wrestling star, has volunteered to coach the Boston University wrestling team for the remainder of the season. The Pioneers are organizing a team for the first time this year and hope to develop rapidly under the tutelage of a good coach. Franks had a fine record as a wrestler at the Institute. He captained his freshman team and was a regular on the Varsity team for three years. He had the unusual distinction of serving as captain of the Varsity team in both his Junior and Senior years.

CHRISTIAN SCIENCE SOCIETY
A meeting of the Christian Science Society will be held today in Room 4-132 at 5 o'clock.

WANTED
A husky man with practical experience as scenery shifter. Apply to the Undergraduate Employment Bureau before Wednesday noon, March 14, 1928.

BASEBALL MANAGERS

Freshman and Sophomore baseball managers wanted. Freshman and Sophomore candidates are wanted for position of assistant manager on the Beaver baseball team.

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CHESTERFIELD CIGARETTES

VOO DOO TO BE ON STANDS WEDNESDAY

On March 14th Voo Doo's special number burlesquing the circus will be on the stands. The idea behind the issue seems to be a sort of campaign for another Tech Circus this year.

The cover was done by Seron, and consists of a clown juggling some balloons in front of a circus tent. Every one of the many drawings pertain to circus life.

SHOWS APPLICATION OF ATOMIC COUNTER

Professor Sherrill Gives Science Lecture

(Continued from Page 1)

He injects a trace, one quadrillionth of a gram, which is about three million atoms, of radium-active deposit into the arm of a patient. Then with the aid of the Geiger counter he measures the time taken for it to be carried to the heart and again through the lungs back to the heart and on to a point in the other arm corresponding to the original point of injection.

"The counter, protected from premature radiations by a sheathing of lead, is placed over the heart where it detects the arrival of the radio-active substance, and again in the other arm by means of a second instrument. He is thus able to measure the rate of blood flow through the lungs. Such studies hold far-reaching possibilities for research in diseases of the heart."

Professor Sherrill showed some interesting reactions of nitrogen activated by bombardment with high-speed electrons. The nitrogen in reacting with other chemical substances emits energy directly in the form of cold light, producing nearly all colors of the rainbow.

Speaking of the significance of the 900,000 volt cathode-ray tube recently developed by Dr. William D. Coolidge of the General Electric Company, Dr. Sherrill explained that the method can be applied by the X-ray tube. He quoted Dr. Coolidge as saying that "this opens up a vista of alluring scientific possibilities."

WILL HOLD BASEBALL DANCE IN WALKER

An informal baseball dance will be held in the Main Hall of Walker Memorial on the evening of Saturday, March 24. The music is to be furnished by the Collegian Ramblers, who will play from 9 until 1.

The following committee has been appointed to take charge of arrangements for the dance: Hugh Hamilton '29, chairman, Brig Allen '29, Fred Riley '28, Dave Stanley '30, Marshall David '29, Ralph Crosby '29, Paul Donahue '29 and Phil Riley '30.

COMMITTEES CHOSEN FOR FRESHMAN DANCE

At a meeting of the freshman officers held last Wednesday evening sub-committees for the dance on April 27 were chosen. Robert B. Freeman was made chairman of the publicity committee, assisted by Tinsley Rucker and Ralph Davis.

BOXING TEAM TIES NEW HAMPSHIRE U.

(Continued from page 1) ham man won the first round by a slight margin and came back to take the second by a large margin, getting three knockdowns to his credit. This made the world seem rosy for the New Hampshire rooters for the match was all but over and they were winning.

Institute Team Defeats Maine on Friday in Debate

Wins Sixth Victory of Year By Unanimous Decision of The Judges

Technology's debating team kept their record clear by defeating the University of Maine in a debate on Friday night at Rogers. This makes the sixth victory this year, and the eighth consecutive victory for the team.

The men debating for Technology were Solomon Horwitz '29, Willard F. McCornack '28 and Paul V. Keyser '29. Maine's team was composed of Charles E. O'Conner '30, Edward Stern '30 and Edward J. Greeley '31, while Dr. Tryon was chairman of the debate.

Three questions were asked of the Maine team by the Institute debaters: First, did they believe in foreign investments; secondly, why should they be protected and last, if they should be protected, what method would the Maine team advise using.

Maine's points were mostly made by

T. C. A. WILL ELECT OFFICERS MARCH 27

Nominations for Officers To Be In By March 20

On March 27, the annual elections of the T. C. A. officers will be held. At that time the President, Vice-president, and Treasurer for the coming year will be elected by the members of the T. C. A. Cabinet which is composed of the managers and heads of the various departments and divisions of the organization.

John W. Chamberlain '28, President of the T. C. A. has chosen a nominating committee which has charge of all nominations for the elections. The members of this committee are Robert S. Harris, Morris H. Klegerman, and Harlan R. Jessup, all of the class of 1928.

On April 4, the fiscal year of the Association ends and the new officers will go into office on April 15. At the same time the new Cabinet will also be announced. The managers of the departments who are now going out of office have the power of recommending who is to succeed them and these recommendations are accepted or rejected by the new officers.

showing the bullying attitude which the United States had assumed towards smaller countries in the name of protecting American "lives and property." It could not, however, offer a solution to the three questions proposed, other than that suggested by the Tech team, and the debate went to the Institute.

DYNAMO LAB EXPERIMENTS

Reports on experiments performed in the Dynamo Laboratory during the First Term 1927-28 may be obtained at the Instrument Room (10-028) until March 15, 1928. Reports not called for by that time will be destroyed.

TECH NIGHT PLANNED AT UNIVERSITY CLUB

Members of the Tech Show, 1928, and the Combined Musical Clubs are to present a program this Wednesday evening at the University Club. Throughout the winter this club holds "Members' Night" every Wednesday, and Orville B. Denison '11, member of the Entertainment Committee of the University Club, with the co-operation of Paul A. Johnson '28, general manager of the Tech Show, and Charles C. Marshall, Jr. '28, general manager of the Combined Musical Clubs, plans to present to the club a "Tech Night" entertainment.

Tentative plans for the hour and a half program include several skits from the Tech Show, among them the detective number "Plans." The Glee Club Quartet will give several songs, and either the Banjo or Mandolin Club will play. Six or eight pieces from the Tech Show orchestra will furnish the music which concludes the evening.

FACULTY CLUB WILL HEAR MEDICO-EXPERT

Dr. William F. Boos, noted biological chemist from Boston, will be the principal speaker at the Faculty Club meeting on Wednesday. Dr. Boos's subject for the occasion will be "My Experiences in Poisoning Cases." The meeting will be held in the Faculty Dining Room of Walker Memorial and will begin at 12 o'clock.

Dr. Boos, a graduate of Harvard and the University of Heidelberg, has been a medico-legal expert for the United States Government and for the State of Massachusetts for the past few years. The cases that he deals with are mostly murder cases. Besides being a biological chemist, Dr. Boos is an expert in medicine and pharmacology. Since 1908 he has aided the government a great deal in his pure food and drug prosecutions. In addition to being a noted lecturer on medicine and public health subjects, Dr. Boos is the author of many monographs dealing with chemistry and the above subjects.

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