Official

Undergraduate News Organ of M. I. T.

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Price Five Cents

POPULAR SCIENCE LECTURES BEGIN ON DECEMBER 16

Professor H. Monmouth Smith to Speak on "Gases, Useful and Harmful"

FOUR TALKS IN SERIES

Addresses Will be Illustrated by Experiments, Slides, and Models

Popular Science Lectures have been arranged by the Society of Arts at the Institute and a series of four are to be given, one each month, in Room 10-250 by members of the instructing staff at Technology. The first talk will be by Professor H. Monmouth Smith of the Chemistry Department on the subject of "Gases, Useful and Harmful." This lecture will be given on Sunday, December 16, at 4 o'clock and will be illustrated by experiments showing the physical, chemical, and physiological properties and some of the uses of oxygen, hydrogen, chlorine, hydogen sulphide, sulphur dioxide and carbon monoxide.

The three other talks to be given in 1929 will be "Artificial Cold and Its Applications" by Professor Gordon B. Wilkes of the Physics Department, "Why an Airplane Flies" by Professor Charles H. Chatfield of the Aeronautical Department, and "Color, Its Nature and Measurement" by Protalks will all be given on Sundays and on the previous Friday and Saturday the same addresses will be given for high school and preparatory school

Tickets may be obtained free of charge by application one week before each lecture by sending a selfaddressed envelope to the Society of Arts, Room 3-115 at the Institute. Seats will be reserved for ticket holders until 3:55 o'clock the day of the lecture at which time the public will

Colonel C. R. Gow Selected As New City Postmaster

Professor of Humanics at the Institute Will Take Place of Baker

Colonel Charles R. Gow, Professor of Humanics at the Institute, will probably be the next postmaster of the city of Boston, according to Louis K. Ligget, Republican National Committeeman. He will succeed Roland M. Baker whose term expired eight

his appointment to this position is admission price is \$1.00. by an order of the president or by a Civil Service examination. Louis K. Ligget who just returned from Washington after staying at the White House stated that in forty-eight hours the White RISLION DAIL ION the group of post office officials and representatives from Massachusetts decided upon Colonel Gow.

Two Washington visitors who are well acquainted with Colonel Gow and who have something to say about the postmastership are W. W. Lufkin, Collector of the Port of Boston, and William J. Keville, United States Marshal at Boston. The nature of their errand to the capital was not disclosed when they left.

Colonel Gow will probably accept the appointment and may be forced to give up his work at Technology to fulfiill his new position. The formal notification will be made by President Calvin Coolidge in the near future.

MATHEMATICS CLUB **MEETS WEDNESDAY**

Professor Philip Franklin of the Mathematics Department of the Institute will speak at the regular Club to be held in the Faculty Dining Room at 8 o'clock this evening. The problems. Many new members joined of Georgia was the main speaker. subject of the talk will be "Groups." this latest acquisition to Technology's Everyone is invited to attend.

Fraternities in Favor of Revival of Circus

At the last meeting of the Interfraternity Conference a vote was taken to determine how many of the fraternities were in favor of having the Circus again this year. Twelve fraternities were in favor of a return of the Circus while eight opposed it. Of the twelve who were in favor of the Circus several imposed the condition that the Circus if revived should not become the same sort of affair that took place two years ago. Many of those who opposed it said that, should the Circus be revived, they would give it their support.

The Show-Off" By George Kelly To Be Presented

Dramashop Play Will be Given Thursday and Saturday at Rogers

"The Show-Off," a comedy by George Kelly, will be presented by the Dramashop Thursday and Saturday nights at 8:15 o'clock in the fessor Arthur C. Hardy of the Physics Department. Each lecture will be illustrated by slides, models, and experiments The in the city of Philadelphia. It was first played in New York in 1924 and won the Pulitzer prize as the best play of the year. The drama was so popular that it was filmed a short time ago and was a tremendous suc-

The play is satirical and describes the tribulations of a care-worn American mother whose family is greatly disturbed by Aubrey Piper, the showoff, an egotist who marries her daughter, Amy Fisher. The caustic wit and the sharp tongue of Mrs. Fisher cause Aubrey a great deal of trouble, but the sympathy of the audience is not with him. The conclusion of the play is very surprising.

The Dramashop is directed by Professor Dean Fuller of the English Department whose enthusiasm brought the Dramashop into existence and has maintained its activities at their present level. Professor Fuller has had extended experience in amateur dramatics, taking part in every production during his college career given by the Dramatic Association of Hamilton College. Since then he has directed many amateur productions and is at present applying the best of his accumulated knowledge to make the Dramashop and its performances a

Tickets are on sale in the main lobby from 12 to 2 o'clock or in Room 2-178. If possible a few tickets will The method of formally announcing be withheld for sale at the door. The

BISHOP PAUL JONES

Militarism and Kellogg's Peace Pact is Subject of Talk

Bishop Paul Jones, a well-known liberal religious and political leader and former bishop of Utah spoke yesterday before about fifty students in Room 10-275. A hot discussion followed his speech and the discussion brought out many interesting and important points on the important subect of world peace.

Bishop Jones spoke on the Kellogg Peace Pact and Militarism. In his speech he stressed especially the duty of the student in furthering the cause the convention by Assistant Dean of world peace. He also devoted much Harold E. Lobdell '17 Grand Secretary, of his talk to a discussion of the Kellog Peace Pact from many angles of

This speech is merely a continua-tion of the Liberal Club's thus-far stitute will speak at the regular successful program of bringing be- attended the three day conference weekly meeting of the Mathematics fore the students speakers on im- which closed Saturday evening with portant national and international a banquet at which Senator George

NEW SCHEDULE OF AERIAL TRAINING WILL BE STARTED

Students to Receive Nine Months Course in Naval Flying from Government

ONLY SENIORS ELIGIBLE

Inaugurating a new schedule of aerial training for the U.S. Naval Reserve Corps, hereafter the course will consist of one month of primary training and eight months of advanced training according to a communication received by Lieutenant Reginald D. Thomas from the Navy Department, Bureau of Navigation, Washington. Ground school will be held at the Institute starting in February after the Mid-year recess.

There will be a 30 day elimination course at the U.S. Naval Aviation base, Squantum, Mass. which will include a schedule of primary training and 10 to 15 hours of flying. Upon successful completion of the climination course, the students will go to Pensacola, Florida for advanced flight training for eight months. This advanced course will consist of 200 hours of flying in all types of land and sea

The new course will be the equiva-lent of the training now given to naval officers and aviation pilots in regular naval service. As it will take about nine months to complete the course, the government desires that a certain number of the men will go with the fleet for one year as commissioned officers. There will be 54 students in the course. Of these, 15 will be attached to the Marine Corps, and 39 to the Navy.

This training is not limited to members of Course 16 only. Any seniors who are interested in joining the new course may interview Lt. Thomas in his office, Room 33-103 on any Monday, Wednesday, or Friday at any time from now to February, when the ground school will be opened. The ground school at the Institute will include three hours work each week from 4 to 5 o'clock.

BIOLOGICAL SOCIETY MEETS AGAIN TODAY

Affairs" to be Given

At the meeting of the Sedgwick Biological Society to be held in the Emma Rogers Room this evening at 7 o'clock, Professor Murray P. Horwood '16, of the Department of Biology and Public Health at the Institute, will give a review of the book "Heredity and Human Affairs." Edward M. East of Harvard University. He is also the author of a very popular hook "Mankind at the

probably start about 8 o'clock. Following the lecture there will be a social hour with refreshments. Students who are taking Biology and Public Health or who have taken any courses in that department are invited to attend the meeting.

Teature of the evening. This act is to be in the nature of a surprise, and the management promises that it will be well worth seeing.

Tickets for the affair may be secured in the Main Lobby between 12 and 2 o'clock. Tickets are \$4 a couple, and \$2.50 stag.

Aldred Lecture is Scheduled Tomorrow

W. D. Hines Speaking On Cotton Industry



W. D. Hines

Xmas Concert of Musical Clubs at Longwood Towers

Tectonians to Furnish Music for Dancing Following the Concert

One of Technology's leading social events of the year, the annual Christmas Concert of the Musical Clubs, is to be held at Longwood Towers, Brookline, Friday evening. The concert is to start at 8 o'clock, and will Review of "Heredity and Human be followed by dancing until 2, music being furnished by the Tectonians.

> Longwood Towers is expected to furnish an ideal location for the dance. In previous years the event has been held at Whitney Hall, but it is felt that the change will afford a greater degree of enjoyment for all those in attendance.

Each of the Musical Clubs will conbook "Heredity and Human Affairs." tribute toward the evening's enter-The book was written by Professor tainment. The Glee Club will feature their James A. Yates who will sing the solo in the Club's new number 'Jerusalem.

The address will be given after the time been kept secret, is to be the on Tuesday. This means that alregular business meeting and will feature of the evening. This act is though the team may no longer use

FIRST LECTURER OF YEAR WILL BE WALTER D. HINES

President of the Cotton Textile Institute Will Speak on Its Work

OTHERS ANNOUNCED LATER

Mr. Walter D. Hines will be the speaker at the first of the Aldred lectures to be held this year. His subject will be the "Work of the Cotton Textile Institute of New York." in Room 10-250 at 3 o'clock, Thursday. All Seniors, graduate students, and members of the instructing staff are invited to attend and classes which would conflict with lecture will be excused in order that these students may be present.

In his address Mr. Hines will explain the actual work of the Cotton Textile Institute, involving efforts to encourage the keeping of adequate statistics on production, sales, etc., efforts to obtain all practical light on the trend of supply and demand, the accurate predetermination of costs of production, and in general to encourage the cotton mills to keep each other posted about matters of common interest.

Mr. Hines is a Commander of the Legion of Honor of France and was awarded the Order of White Eagle, first class, of the Kingdom of Serbs, Croats, and Slovenes. He is the author of numerous pamphlets and articles on government and railroad problems, especially those connected with government operation of rail-roads, and, since the World War in-ternational affairs.

Prominent Men for Speakers The series of lectures was founded by Mr. John E. Aldred to give stu-(Continued on Page 4)

Polo Is Refused All Recognition

Team Forced Move of Advisory Council by Running Into Debt

Provisional recognition of the Polo team as an official Technology team was withdrawn by the Advisory A specialty act, which has for some | Council on Athletics at its meeting though the team may no longer use the Technology name, it may still continue to play as a club team granted that it is recognized by the Institute Committee.

This action was forced on the Council by the fact that the team had without permission run into debt to the extent of \$250 even though the players were assuming most of the expense of the games. Since it is contrary to the constitution of the M. I. T. A. A. for any team member or manager to assume personal liability for expenses of the team, the Council decided to defray the debt already incurred and to notify the team that no more funds were

One of the reasons for the refusal to provide more funds for the Polo team, outside of the fact that the expense per man is higher than that of any other sport at Technology degree was exhibited to the visiting delegates by their hosts, Georgia School of Technology and Emory College. The social program included a barbeque at the base of Stone Mountain and etterdance of the Committee of Stone Mountain and etterdance of Stone M be determined, due to the fact that tain and attendance at the Georgia- be determined, due to the fact that Georgia Tech football game, the sport the tennis and fencing budgets have not as yet been turned in by the Patty, newly elected Grand President, was the former General Managers of those sports who are dent, was the former General Managers of T. E. N. and prominent in active of T. Wight '31 and Roy W. Ide '30 respectively. Consequently, tivities of the local chapter of Pi these teams will be unable to secure Delta Epsilon. For several years he any funds at all from the Budget

Pi Delta Epsilon Elects President at Annual Convention in Atlanta, Ga.

National Honorary Journalistic Fraternity Elects Former T.E.N. Manager

In its annual convention held in Atlanta, Georgia last weck, Pi Delta Epsilon, national honorary journalistic fraternity, elected Joseph C. Patty 22 to the position of Grand President. Technology was represented at and Lawrence C. Hamlin, '29, president of the undergraduate chapter.

Representatives from approximately forty colleges located in nearly every section of the United States

Important items of business conducted at the convention included the Grand Treasurer.

admittance of Dennison University of Ohio into the fraternity, the decision to continue the national editorial contest inaugurated last year, and the selection of Pennsylvania State College as the scene of next year's convention.

Southern hospitality in its highest classic of the South.

has served the national fraternity as Committee until an approved budget

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

for 47 years. MASSACHUSETTS INSTITUTE TECHNOLOGY

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SIGNS OF LIFE

AGAIN comes to the foreground that matter which occupied the thoughts of many of us last spring, which caused so much editorial comment, and because of which many minds worked overtime around conference tables. Official action on the Student Inquiry has been taken in the form of a report presenting the views on the subject of a Faculty Committee, and these conclusions read

at Faculty Meeting. The questionnaire which was distributed last spring came in answer to a popular demand at the Institute for changes, minor or major, in the presentation of courses or the methods of teaching. The students' grievances were of course very likely to be prejudiced merely by an inability to comprehend, an inate laziness, or a plain dislike for the professor. That the Student Inquiry Committee has sifted these biased ideas and found the real problems is evidenced by the above-mentioned report, which states: "At the outset we wish to express our appreciation of the careful and thorough manner in which the Student Committee conducted its investigations, and of the well-balanced, clear and concise expression of its conclusions. We believe the Student Committee has done an important service in thus considering the problems of improving methods of instruction and is deserving of the thanks of the Faculty."

Indubitably the idea responsible for these actions was a good one, and the work along this line is bound to go on. Without doubt some courses are presented in such a way as to prohibit the student's acquiring full value from them—the whole-hearted cooperation of the faculty and students indicates their realization of the existence of these problems, and their keen desire to eliminate them. Perhaps we may not be gaining from the men under whom we are privileged to work all that they might give us. Whether the fault is ours or theirs is being investigated in a non-

partisan manner which is bound to bring results. The matter is not closed—decidedly not. The Inquiry and its results were but a successful beginning; its purpose was to determine something tangible to work on. What line of action the work will take this year has not yet been definitely decided upon, but with the faculty and student body showing such a keen appreciation of the situation, much may happen. It is planned to continue that particular phase of the problem which the Inquiry coveredcourses, hours, teaching methods. But we hope that the good work extends its scope beyond these.

SCOTCH

HIS academic training is the one thing for which a college man pays and pays, and for which his efforts to get full value received are on the whole negligible. He is overjoyed if he makes a nickel work for two telephone calls; he raises a terrible fuss when his bill at a night club is a dollar too much. But he thinks nothing at all of sleeping through a nine o'clock, or of cutting Wednesday, Friday and Saturday classes to make a long Thanks-

Why this false appreciation of values? Every term we pay out two hundred dollars for tuition, to say nothing of lab fees, books, and supplies. Such expenditure privileges us to work with in this play, and were it not for a equipment whose value would make our contribution seem a "drop in the bucket", to study under men of international repute and experience. We graduate, if we work reasonably hard, with a prestige which will prove invaluable in our life after we leave the Institute.

Business men have figured that our education is worth to us, in actual money expended and future earning capacity, about nine dollars a day. Such a proposition should appeal to the Scotch instinct inherent in all of us. Instead of regarding it in that light, we attempt merely to get through on as little effort as we possibly can. We do not heed suggestion—we resent compulsion. As a business proposition, what we gain is entirely up to us—we get no money back if not satisfied.

How are you regarding your education—as the right to acquire training, or as a painful operation during which you submit yourself, inert, to a compulsory forcing-in of knowledge?



The only reason that the Lounger hasn't filled some space with drool on Voo Doo since Phosphorus' last little job (that cat should be housebroken by this time) is that the editor happened to have more important business to occupy the page. But the ad dummy is damn small today, and the important matter is being given a breathing spell till next time.

Perhaps the Lounger should div-ulge a choice little story about the small-comedy bunch upstairs in Walker before his readers take Voo Doo's remarks about cheap humor too seriously. Just before the football game between the two minor publications Voo Doo decided to rebutt the TEN burial ad of the issue before. So they sent to the TECH business office one of their last year's cuts, together with some fancy printing, to form the picture of two chorus girls saluting the engineering journal in a none too flattering pose. The General Manager of the comic supplement was quoted the same ad rates as TEN had paid, but when he found that an ad was going to cost him something, he called his chorus girls home again and cancelled the advertisement; talk about your cheap

Speaking of Tillie being an ille-gitimate issue, remember the Voo Doo editorials (gross flattery) that appeared in the opening number of the present volume, beginning "There, Phosphorus has done it again, and another litter of kittens scampers around on the top floor of Walker" or something like that; if the Lounger has made one mistake, it has gotten to be a necessary habit with that

As for the typical attitude of the Voo Doo editor on the Circus, the Lounger's boss says he will say a word or so on the subject as soon as he finishes with the more important matters.

Don't wait till next April in hopes that the Filter Paper will chastise your pet professor; help the Curriculum Committee and do it yourself by writing to the Lounger or the Open Forum column. You needn't worry about his discovering the identity of the author; they never do. The best retaliation a prof can try is to flunk the whole class, and that will furnish you with a host of boon companions during the warm days in summer school. And you can write the folks that nobody else passed that blank-blank course either, so why reduce a fellow's allowance for that?

structor shouldn't inform the school, through these columns, of some of the dumb assiminities his students perpetrate. This he-gives-me-a-big -laugh stuff isn't as one-sided as you might think, and God only knows what they do at Faculty meetings besides run down this and that activity hound who "thinks he can bluff me-the big sap!"

* * * *

As We Like It

REPERTORY

Audiences at the Repertory in the past week have shown themselves to be very human in their sympathies and feelings. We don't know of any farce that is so thoroughly enjoyable as "Charley's Aunt" which is now on the second week of its seventh revival at the Repertory. The popularity of the comedy is world wide and since its first success in London has been given continuously by one to three companies.

Milton Owen, who has been playing the part of Charley's aunt for the past two years, shows his real ability poor supporting company, would lead

FRANK BROTHERS Fifth Avenue Boot Shop Between 47th and 48th Streets, New York



Cambridge Shop 252 Abbott Bldg., Harvard Square

Professor Tells of Country Covered By Recent Central Asia Expedition

Accompanied Andrews on Three Trips—Hopes Students Will Hear Him

"The most outstanding discovery was not the colossal fossils nor the dinosaur eggs," said Professor F. K. Morris, of the Geology Department, in speaking about the Roy C. Andrews Central Asia Expedition. "Older fossils had been discovered, and since the existence of dinosaurs had been proved, it was obvious that they must have had eggs. But truly startling was the finding of the small mammal skulls.

"These skeletons were proved without question to have belonged to a placental mammal. As such they are the oldest existing evidence of the type of creature of which "homo sapiens" is one branch. Their discovery, then, proves without doubt that the human specie originated in this region, and that our forefathers existed at the same time as the dinosaurs.

Urges Students Hear Andrews

Professor Morris was with the earlier expeditions in 1922, '23 and '25. and had previous to that time been in the region since 1920, studying the geology of the country. He says of Mr. Andrews, with whom he has come in close contact during their work to-gether, "He typifies good sporting instinct and high adventure. His listeners will find him a remarkably good speaker, not only because of the facts and anecdotes he presents, but because of his winning personality. He is a fine appearing chap, over six feet tall and an all-'round athlete. The pictures with which he illustrates his address are beyond all praise for beauty.'

Old Fossils Significant

Until the recent expedition, the largest animal of which remains had been found was one discovered by the 1922 expedition. This was the monstrous rhinoceros, whose skull measured four feet across. animals were all living in the Oligocene Age. Their fossils were first discovered by Russians, at a place north of the Caspian Sea, and just east of the southern end of the Ural Mountains. Later an independent discovery was made by an English explorer, Foster-Cooper, in Baluchistan. His finding them there gave to the animals the name "Baluchitherium."

by the Andrews party in widely separated parts of the Gobi Desert. The four great legs and skull showed the animal to be much larger than an physical examination each year. elephant, and rather like a rhinoceros. though he had no horn. He lived on though he had no horn. He had the had as follows:

"The influence of home and mother phant, and was proved to have roamed all over central and southern Asia. At the time this group was existant, no large elephants had evolved; the And there is no reason why an in-lanimal from which they developed was then about the size of a pony. The importance of the Baluchitherium was that this formidable, far-ranging, browsing animal filled the place in the economic plan of Nature which was thereafter held by the pachyderm which we know today.

This example is but one of many. These conclusions merely go to show the function of such expeditions in coordinating the seemingly unrelated phases of the great evolutionary plan.

a brilliant production to a brilliant success. As it is, we are only slightly enthusiastic about this year's presmeans do so.

Piece by piece the knowledge has been fitted together until we now have a fairly accurate picture of the development of the earth's structure and of the life on it.

Ore Deposits Discovered

Geologically the region covered by these expeditions is divided into two parts: the "oldrock floor" of folded crystallines (igneous rocks, of which our granites are a common example) and the younger sedimentary rocks. which lie in almost horizontal beds on the oldrock floor.

It is in the oldrock exclusively that valuable deposits are to be found (This is a general situation, and not peculiar to the Mongolian area.) In the more recently deposited sediments are found all the fossils.

Around the mammoth masses of granite which have been injected into the igneous rocks the expedition found valuable gold, copper, silver and lead deposits, and also a little tungsten. However, in carrying out investigations of the economic importance of these minerals (which exploration is one of the important functions of such a scientific project) the party found that none of the deposits either in the floor or in the sediments could carry oil, and that only a little poor grade coal was evidenced.

In thus eliminating Mongolia as a great economic factor at the outset, the expedition has saved future investigators considerable expenditure of time and money in prospecting. The main importance of the exploration of course was the immense fund of scientific knowledge contributed.

Student Health Decreases With Years In School

Dr. Smiley, of Cornell, Blames Loss of Home Influence and Late Hours

That the health of college students gets progressively worse from the freshman to the Senior year is the observation made by Dr. Dean F. Smiley, Head of the Department of Hygiene and Preventitive Medicine at Cornell University. Dr. Smiley's connimals the name "Baluchitherium." clusions are based on personal ex-These best specimens were found amination of the records of the thousands of Cornell students passing through his department yearly. Cornell students are required to take a

> According to Dr. Smiley, the reasons for this condition are probably

> is usually strong for good health habits and good health maintenance. The longer the student is away from that less ne feels its en

"Student life has for generations been notable for its neglect of the ordinary hygienic laws. graduate glories in telling stories of all night sessions and bouts of drinking, just to prove what a 'tough egg' he was in his college days.

"A number of students are attempting the physical impossibility of doing the work of two men; living the life of a day laborer to earn a living, and the life of a student.

With all these tendencies to fight it seems evident enough that a pretty strenuous effort along health lines must be made if results are accomplished that are measurably successentation, a less sparkling one than ful. Any institution that can prove that of last year. But if you haven't that the health upkeep of its Senior seen "Charley's Aunt from Brazil class is even as good as that of its where the nuts come from," by all freshman class should be congratulated upon its health work."

Before You Leave!

your money will go further in our great

CASH CLEARANCE SALE

Savings in every department!

ENGINEER SEXTET PLAYS HARVARD TONIGHT

SPRING SCHEDULE FOR FIRST YEAR **CREW COMPLETED**

Season Opens on May 4 With Opening Race Against Harvard Freshmen

RACE COLUMBIA MAY 18

Final plans have been made for the freshman crew and the schedule for spring races is now completed. The opening race will be on May 4 when the freshmen will row against the Harvard first year crew. A victory in this race has always been the goal toward which the freshmen have worked and a win in the first race of the season always goes a long way toward making the season a success.

Last year the freshmen won their initial race but were defeated by Harvard and Cornell a week later. The second race of the spring season will be with Kent School on May 11 at Kent, Connecticut. Kent, which has always had one of the strongest preparatory school crews in the country, is expected to provide a hard race for the freshmen.

Race Columbia on May 18 On May 18 the crew will race Columbia on the Harlem. For the past few years Columbia has been noted for its freshman crews and in against competition. the last Columbia-Technology crew (Continued on Page 4)

Varsity Riflers Have Busy Week

Open Season With Four Matches on Program—Will Meet Univ. of West Va.

Beginning this week the rifle season opens in earnest. With two shoulder-to-shoulder matches and two working athletic teams around the Institute.

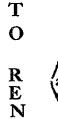
Military Institute will be fired.

fortified in every position.

Aros, Clark, Gawlowicz, Hamilton, Sherwood Brown. Kohler, Loomis, Orleman, Plugge, Reddig, and Twarogowski. These ten men will shoot in all of the matches, and the five highest scores will count. Practically all of the men mentioned are good shots in both the prone and standing positions, and good results may be expected of

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Α

Special Rates to Tech Men 111 Mass. Ave., Opp. Mass Sta. Boston Tel. KEN 0122

PRESSING and CLEANSING

Varsity Swimming Schedule

Jan. 12-Amherst away.

Feb. 9—Rensselaer away.

Feb. 15--Columbia away. Feb. 16-West Point away.

Feb. 22-B. U. home.

Feb. 23-Worcester Tech away.

Mar. 2-Bowdoin away. Mar. 6-Brown away.

Mar. 9-Wesleyan away.

Mar. 16-New England Championships at Boston.

Class Swimming

Keen Competition Expected as Several Veterans Will Compete

Some close races are expected to take place in the University Club's pool tonight when the annual Interclass Swimming meet gets under way. The meet will begin at 5:30 o'clock, and admission will be free to all students of the Institute. This meet will give the coaches an opportunity to get a real line on the swimmers

The team this year has a nucleus of five veterans to build on. Breaststrokers Ralph Appleton and Emanuel Birnbaum are back and Helge Holst, on the last year's freshman team is giving them plenty of opposition. Appleton won the breast stroke at Columbia last year while Birnbaum took first in the meet with B. U. and Wesleyan. Jack Jarosh last year Technology's best 440-yard man, is back. Jack took first in the 440 against B. U., Amherst, Worcester Tech, and Columbia. He is also a point winner in the 150-yard back

Captain "Larry" Luey has been working hard and bids fair to break telegraphic matches scheduled to be his own record in the back stroke. shot before Saturday, the Varsity Larry won the back stroke event rifle team will be the busiest of the against Amherst, B. U. Worcester a week these men take indoor inathletic teams around the Institute. Tech. Columbia, Wesleyan, and at struction on the wooden horse in hletic teams around the Institute. Tech, Columbia, Wesleyan, and at The team will meet the First Corps the New England Championships last Cadets team in its opening March he won the 150-yard back shoulder-to-shoulder match. Friday stroke championship in 1:45 5/10. Polo Club who are taking advantage night the riflemen will shoot against He is also on the relay team and will a picked team from the 101st In- probably enter either the 50-yard or the ten work out at the Brookline

team and was a consistent point Ever since practice started the scorer in the dashes. Tyson Lykes, best known poloists in Boston, and members of the Varsity squad have from last year's freshman team is was Captain of Yale's Varsity Polo been showing steady progress. Dur-showing excellent form in the dives. Team in 1923. ing the past week particular atten- Bob McMinn is also working hard on to the standing the board. Ed MacKay, captain of position by every man. The result last year's freshmen is showing good this position have been turned in. Baker and Art Lutz, dash men on All in all, the team seems to be well the freshman team of last year, are doing very well, both showing great Lieutenant Moore, team coach, has improvement over last wear. Alpicked a team which he considers together the team prospects are very very capable of firing winning targets. good and a successful season is preThe Coach's combination includes dicted by Coaches Russell Dean and Aros Clark Gawlowicz. Hamilton, Sherwood Brown.

> ers. The sender, a member of the Class of 1892, said it had been used as a waste basket and antique in many homes throughout the country.

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MEET TRADITIONAL RIVAL AT GARDEN IN ANNUAL BATTLE

Hockey Team in Fine Shape for Big Game and Hopes for a Victory

M.I.T. FACES VETERAN TEAM

Crosby and White Expected to Shine for Cardinal and Gray

Meet Is Tonight vard at the new Boston Garden at 8 o'clock. Little is known of Harvard's strength as they have not as yet played a game this season. Howice. Although the Engineers suffered a setback in their first game of the season last Saturday night losing to B. U. they are certain of giving their old rivals a great fight every second of the game.

Technology has material this year as good if not better than in any previous year in the past. However due to a late start this year they were severely handicapped in their game last Saturday because of lack

POLCISTS PREPARE FOR FIRST MATCH

Four Players Will Make Journey to Norwich in Opening Game of Season

With their first match only three days away, the Varsity Polo Team is rapidly rounding into shape. Ten men have been practicing three times a week for several weeks past. Once Hangar Gym, also acting as instructors for the others members of the of this instruction. Twice a week fantry. Sometime during the week the 300-yard 3 man medley.

Riding School, where they hold telegraphic matches with the University of West Virginia and Kemper is also back. Phil was on the relay eyes of their coach. Sam Hopkins of eyes of their coach, Sam Hopkins of Battery "A". Hopkins is one of the

Squad of Seven Men Picked

From among the ten men taking is that several very good scores for form in the individual medley. Carl his instruction, Coach Hopkins has picked seven players who comprise the first squad. They are: Long-fellow, Turnbull, McCaskey, Sykes, Stott, Wilder, and Kononoff. It is from these seven that the four men

The squad has shown excellent form during the last few workouts, After 100 years of use and a half showing at Norwich on Saturday. century of travel, a leather fire bucket Last year the team had a very suclabeled "Rutgers College, No. 19, cessful season, and it is with great 1828" came back to its original own-interest that the outcome of Saturday's match will be noted.

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of practice. With that game showing up their weaknesses and also with an added three days to profit by that game, the Varsity should show a vast improvement in the contest tonight. Coach Bill Stewart will be able to put two forward lines on the ice during the game having Captain White, Crosby, and Peene on the first and Ford, Hall, and Mead on the second. The defence will consist of Cullinan, Lucy, and Riley with Hazeltine, Donahue, and a few others in

Harvard Has Veteran Team On the Harvard sextet are many experienced players from the powerful team that dealt defeat to the Technology skaters last year. Captain Tudor, Giddens, r. w.; Holbrook, c.; Kakin, r. w.; Stanley, d.; A. S. Bigelow; and H. W. Bigelow, d.; are back Technology's Hockey team plays on the ice this year for the Crimson. its big game tonight, meeting Har- All of these men will probably play in the game, but the starting lineup is still unknown. Harvard has experienced some inconvenience in the and at present the man who will play ever as most of their last year's at this position is unknown. The Varsity is back they are sure of a chance to show their wares during putting a formidable outfit on the the game are Elkins, Jackson, and

> On the ice for Tech will be Crosby, r. w.; Peene, l. w.; Captain White, c.; Cullinan, r. d.; Lucy, l. d.; Riley. goal. Crosby, who was star of the last game, and threatened the B. U. goal many times, will undoubtedly be a deciding factor in the game tonight. He is a spectacular player, being one of the best forwards around Boston. Lucy also was an outstanding player in the last game, and should keep the Crimson well in tow in tonight's game, along with Riley who played a stellar game against B. U., keeping the score very low considering most of the game was played on Tech ice.

ENGINEER QUINTET **BATTLES NEWPORT** SAILORS SATURDAY

Yearlings Encounter Wentworth Institute in Second Game of Season

BOTH TEAMS SCRIMMAGE

Shooting free throws has occupied considerable of the Varsity basketball team's time during the past few days. Saturday's game was marked by a lack of precision in the shooting and Coach McCarthy is trying to remedy this defect before the game with Newport Naval Training Station this Saturday evening.

George Lawson was kept out of practice Monday evening due to an injured hip. However, his injury is not serious as he worked out with the in the scrimmage held last

(Continued on Page 4)

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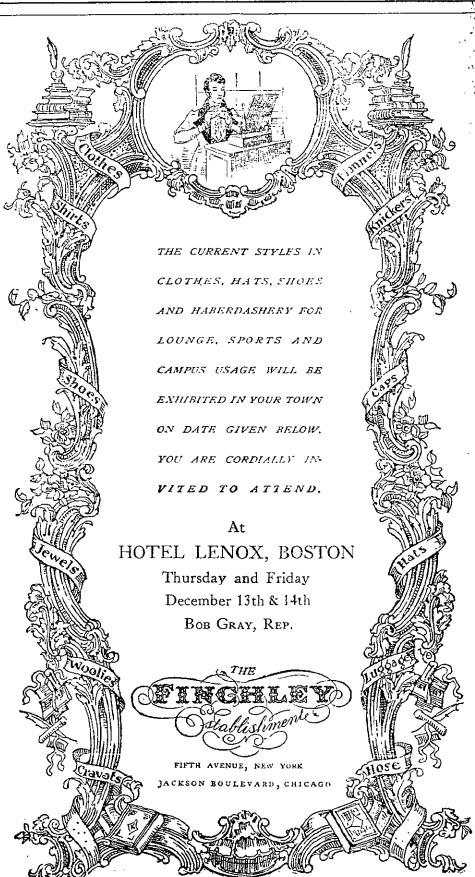
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OFFICIAL BULLETIN

BIOLOGY AND PUBLIC HEALTH

The meeting of the Sedgwick Biological Society will be held in the Emma Rogers Room at 8:00 o'clock, Wednesday, December 12.

> ALDRED LECTURE "The Work of the Cotton-Textile Institute"

Mr. Walker D. Hines President of the Cotton-Textile Institute

New York City December 13, 3 P.M.

Room 10-250

For Seniors, Graduates and Members of Instructing Staff

CALENDAR

Wednesday, December 12 5:30-Finals in Swimming Trials.

6:00-Walker Club Dinner Meeting, North Hall, Walker Memorial. 7:00-Tech Show Chorus Trials, East Lounge, Walker Memorial.

7:00—Sedgwick Biological Society, Emma Rogers Room.
7:30—Mathematics Club Meeting, Faculty Dining Room, Walker Memorial.
8:00—Hockey, Varsity vs Harvard, Boston Gardens.

Thursday, December 13

3:00—Aldred Lecture, Room 10-250. 6:00—Massachusetts Safety Council Dinner Meeting, North Hall, Walker Memorial.

Saturday, December 15
7:00—Basketball, Freshmen vs Wentworth Institute, Hangar Gym.
8:00—Basketball, Varsity vs Newport Naval Training School, Hangar Gym.

A. C. S. WILL HEAR

Winter Schedule

For Track Squad

to Attract a Long List

of Competitors

practice on the board track, and

this, Coach Hedlund has found it

advisable to run a handicap meet,

has been posted a list of events that

this line a chance to show their merits

for the first time this season. The

sprinters will have their innings in

the 35-yard dash, and possibly the two-lap race. In the latter event the

Long List of Events

relay candidates will shine.

VARSITY PRACTICE

(Continued from Page 3)

Freshmen Work Hard

gle with a victory.

Christmas holidays.

Sunday, December 16 4:00—Popular Science Lecture, Room 10-250.

ENGINEER TO SPEAK AT S. A. E. MEETING

Henry Crane to Speak to Faculty and Students Friday

Henry M. Crane '95, consulting engineer of General Motors Corporation and a leading figure in the automobile industry, will speak under the auspiees of the Society of Automotive Engeineering at a Faculty Luncheon at noon Friday and also to all members of the Institute who are interested in this branch of engineering at 3 o'clock. The exact place of the meeting will be announced in the Friday issue of THE TECH.

Mr. Crane was head of the Crane automobile company, and was builder of the motors of the famous Dixie good physical condition. Realizing cacing boats which defended the Harmsworth Trophy against England in international motorboat races. He Simplex company, and during the war-he was connected with the Wright-Martin Aircraft company, builders of aerial motors, which is now the Wright Aeronautical Corporation.

In 1924 Mr. Crane was president of should prove interesting to everyone the S. A. E. He is a member of the who wishes to sign up. The 45-yard advisory committee for Course 16 and high hurdles will give the stars in is also the donor of several automotive scholarships at the Institute.

MR. WALTER D. HINES IS ALDRED LECTURER

Work of Cotton Textile Institute Will be Described

(Continued from Page 1)

dents of Technology, particularly Seniors and graduate students, an op-portunity to hear men who have achieved eminent success discuss their experiences. The second speaker will he Mr. V. M. Cutter, president of the United Fruit Company, who will speak on "Pioneering and Engineering in the American Tropics." Later in the season Mr. M. H. Aylesworth, presi-dent of the National Broadcasting Company; Dr. Owen D. Young, chairman of the Board of Directors of the General Electric Company; and Dr. F. B. Jewett, president of the Bell telephone Laboratories, will lecture on dates to be announced later.

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Dr. E. M. Chamot

DR. E. M. CHAMOT

Pioneer in Chemical Microscopy to Lecture Friday at Rogers Building

Begins Saturday Dr. Emile M. Chamot of Cornell University will be the speaker at the December meeting of the North-eastern Section of the American First Handicap Meet is Expected Chemical Society to be held in Huntington Hall, Rogers Building, Friday, December 14, at 8 o'clock. There is no admission charge and everyone Regardless of snow and cold weather the track house continues roscopist talk on a topic of absorbing to be a scene of ever-increasing interest: "Advantages of Miscrosactivity. This is the second week of is invited to hear this pioneer micto be a scene of ever-increasing activity. This is the second week of

By this advancement of the means of accomplishing accurate results with everyone is beginning to feel the pep small quantities of materials Dr. that comes with snappy weather and Chamot has acheived world wide fame. He successfully makes qualitative analyses from a few drops of a substance by means of a microscope, whereas the ordinary chemist requires was also chief engineer of the Crane-the first one of the winter season, a few cubic centimeters at the least and also the last one before the for similar results. Dr. Chamot is the author of two books on water This meet will be held on Saturday analysis and Chemical microscopy and afternoon at exactly 2 o'clock. There many papers on sanitary chemistry.

FIRST YEAR CREW SCHEDULE FILLED

Freshmen Now Working Indoors On Rowing Machines

(Continued on Page 3)

For all others there will be a four-race which was held in 1926 the lap race, a six-lap, or half-mile, and freshmen lost to a crew which later an eight-lap, which is approximately in the season won the Poughkeepsie two-thirds of a mile. In addition to race for freshman crews. The these events on the track, there will Columbia race will be the last one be a high jump and shot put in the in the season and will serve as a Hangar climax to end the year's schedule.

As a result of the handicap meets. For the past two years the first on the cinders and the work of two year crew has raced Princeton but weeks on the boards, Coach Hedlund the contest was not scheduled for has been able to judge his men very this year. However on April 17 well, so that the better allotment Princeton is bringing its Varsity, of handicaps should promote closer Junior Varsity, and 150-pound crew competition than has occurred pre- to Cambridge to row the correspond-viously. ing M. I. T. crews at that time. It is due to the fact that the Princeton faculty restrict the freshman crew to one trip each year that the race ON SHOOTING FOULS has been dropped.

During the fall months of school

the freshmen out for crew worked in the barge and later were transferred to the shells. As their exnight. Coach McCarthy is confident perience increased the men went out that Lawson will be in tip top shape on the river in shells. This year's for the game Saturday night. crews ever developed as was well demonstrated on Field Day when the Scrimmage during the past few 1932 Field Day Crew defeated the days has been fast with the team more experienced Sophomore crew by

showing considerable improvement a decisive margin. Last night the Varsity held a fast Due to the cold weather the men workout with the second team and are now working indoors on the Coach McCarthy interrupted the play machines and will do so all winter several times in order to bring out until the ice is out of the basin. minor defects in the Varsity's play- Practice will start in earnest as soon income. as the weather is warm enough in Newport Naval Training Station is the spring and by the time the first reputed to be one of the strongest race comes off the crew men will be teams in the East. It is the opinion in the best possible condition. The of the team members that this game coaches are very optimistic about this is to be the hardest one of the year's freshman crew and have high schedule and they are going to do hopes that it will come through the their best to come out of the strug- season with a clean slate.

Varsity Scrimmages With Seconds illness will probably play in this Meanwhile the freshmen have been week's contest. He has been doing kept busy trying to iron out the de-very good work and is considered bet-fec's that were evident in the Ter-ter than either of the men who rier game. Yesterday they held one played against the Terriers. of the fastest scrimmages of the Wentworth Institute is the next

season, and looked considerable bet-opponent that the Cardinal and Gray ter than they did against Boston year' ags will face. The Beavers are University Saturday night. confident that they will make up for Rickard, a center, who was kept last week's defeat by trouncing the out of the opening game because of Wentworth team.

Girls Entertained By Musical Clubs At Third Concert

Glee Club Renders New Numbers: Techtonians Furnish Dance Music

Combined Musical Clubs at a concert given at the Women's Republican Club Hall at 8 o'clock Saturday evening. The concert was very well attended and was conceded to be the most successful that the Clubs have given this year.

An excellent variety of vocal and instrumental selections made up a well-balanced program. The Glee Club appeared three times, presenting among other numbers their two newest selections, "Song of the Lumbermen" and "Jerusalem," on which the Club has been practicing for some time. Two vocal selections were rendered by James A. Yates G, the new baritone soloist of the Club. The Instrumental and Banjo Clubs and the Techtonians also contributed toward the entertainment.

Dance Follows Concert The concert was followed by dancing until 12 o'clock, music being furnished as usual by the Techtonians. The Women's Republican Club with its attractive lounges and library, afforded an unusually appropriate location for the concert. The palatial building was once the home of Jordan Marsh, of the Jordan Marsh Co. of Boston.

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TECH SHOW CONDUCTS LAST CHORUS TRIALS

Fifty Men Are Needed at Final Try-outs in Walker

Final try-outs for the chorus of the 1929 Tech Show will be held in the East Lounge of Walker Memorial tonight at 7:30 o'clock. From those Members of the Girls' City Club who report at this time, Coach Lang-of Boston were entertained by the don Matthews will pick the men who will participate in the coming pro-

Thus far only 19 men have reported for the work in the chorus, less than half of whom were in "Half a Man," last year's show. In order that Coach Matthews may have a wellrounded chorus, it is necessary that 50 men appear at these trials from among whom the most promising-looking may be chosen. With Christ-mas vacation less than two weeks away, Mr. Matthews must take his selected candidates and put them through preliminary steps and exerfor the production may get under ises so that the serious preparation vay as soon as the Institute reopens n 1929.

There will also be rehearsals for all members of the cast in the West Lounge of Walker both tonight and Thursday at 7:30 o'clock.



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