

STUDENT AUDIENCE ATTENDS ADDRESS BY DR. COMPTON

States That Science Does Not
Know Origin of Matter
Or of Energy

DISCUSSES POSSIBILITIES

Destiny of Universe Predicted
From Several Different
Viewpoints

"Science can say absolutely nothing about the origin of matter and energy, or the end of matter and energy, or even if there ever was a beginning or ever will be an end." This definite statement was the introductory sentence of Dr. Karl T. Compton's lecture to the Liberal Club of Technology yesterday upon the subject "What Can Science Say Concerning the Origin of Life and the Destiny of the Universe?" President Compton went on to discuss how the universe came to its present form, and what it may be expected to become in the future.

He began by propounding several theories of evolution, among them that derived by Gilbert N. Lewis, once connected with the Institute, and at present a professor at the University of Southern California. Professor Lewis believes that the limitless number of transformations in the species of both animal and plant life have been brought about by the emanations from radioactive substances. He has likened these changes to the ordinary chemical change for the speed of reaction increases with temperature and with concentration just as in the chemical change. Definite experiments have been made with fruit flies or drosophilae and with the tobacco plant from which it has been positively proved that radioactivity has had something to do with the mutations of the species.

In connection with the second half of his speech, the Destiny of the Universe, Dr. Compton set forth several possibilities. It is possible that the universe is a conservative system, in which case there would be a constant tendency to bring about an equilibrium of the heat energy. This condition would bring about a workless universe, and although it might not happen for an infinitely long period of time, there would be an ultimate "heat death". The second possibility is that the sun is slowly disintegrating, and the heat of disintegration is the radiation which makes the earth life-sustaining. However, the earth would eventually cool to absolute zero and become uninhabitable. The more probable situation is a cycle in which transformations of some of the mass of the sun results in the loss of some of the mass as heat energy. This heat energy is in the form of several

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CHESS TEAM MEETS Y. M. C. A. TONIGHT

Schell and Montgomery Won
For Engineers Friday

After another victory added to the list of Chess Club victories last Friday evening when the Technology representatives defeated Bay State by one match, in a hard fought tournament, the team will meet Y. M. C. A. tonight, at 8 p. m. William P. Montgomery '31, a ne w addition to the team, won his first match from Lee. Irving I. Schell '33 won the second match for Technology by defeating Taylor. Benjamin G. Calvert, G., and Captain Frank W. Speir '32 both played to a draw, Calvert opposing Mallory and Speir playing Gring. Henry J. Weidner '34 was the only man on the team to lose Friday evening but he was up against the New England Champion, Daly.

Successful Season

The Chess Team has been having a very successful season this year having won from Harvard, Boston Chess Club, and Bay State, drawing City Club of Boston and losing to the Cosmopolitan Chess Club. This evening at 8:00 o'clock the team meets the Y. M. C. A. Chess Club in the Faculty Dining Room of Walker. The Y. M. C. A. has a strong team this year and a hard tournament is invited to attend the matches and try expected.

All students interested in chess are out for the team if they so desire. There have been many instances in the past when candidates have proven worthy of team positions.

Voo Doo Reveals City's Night Life In Its Latest Issue

Clever Cartoons and Passages
Feature Raffle Number
Out Monday

"Can you stand that rugged night life? Can you protect the women you love?" Thus does Phosphorous introduce to the world "P. T." McCarthy's newest and latest enterprise, the body-building "McCarthy Bar Bell," in Voo Doo's Night Life number which goes on sale Monday. Undoubtedly many people will be interested in possessing the strength of McCarthy "the bone bender," and will gladly clip the coupon at the bottom of the "advertisement" for information concerning every ailment from trench mouth to T. E. N.

The number is especially rich in fine cartoons and art work. S. Norton Miner '34, contributes two striking drawings of a girl. Dick Baltzer also contributes one of his customary fine drawings.

There is more original humor than usual in one issue, a portion of it being considerably good. Practically all of it is seasoned with that particular Voo Doo flavor which in the past has been responsible for occasional torn pages and for a disastrous calamity befalling a former Managing Board. However the best points are so well hidden behind some simple statement as to escape even the censor's searching eye.

There is not very much about Night Life in the issue but what there is is very clever and amusing. Phosphorous gives a list of all the important night clubs of the city with comment on each one as well as a dictionary of night life terms which clears up many an unknown slang term. A few cartoons of people in evening dress completes the reason for the title.

One notes also a notable profusion of longer passages of which a few are exceptionally witty. For some unknown reason Phosphorous has suddenly become seriously editorial on school affairs and the Beaver Key Society has come in for comment which is a bit pointless at times. As for the rest of the material it has its spots and its good places but on the whole it is about the best issue Voo Doo has sent out this year.

Of course the biggest feature of this issue will be the raffle to be held for a free evening at "The Mayfair," exclusive Boston club. The managing board has announced that only copies sold on the campus will be numbered and eligible to compete for the prize. Winward Prescott, Associate Professor of English at Technology will draw the lucky number.

OPEN COMPETITION FOR PRIZE POSTERS

Prizes will be awarded to two men who submit the best posters advertising the annual Open House Day on May 2, it has been announced. The competition will be conducted by the Combined Professional Societies under whose auspices the Open House will be held.

Judges for the contest will be the same as those for the design problems in Architecture. The first prize will be \$25.00 and the second \$10.00. This competition will be open to any student attending the Institute until seven date around the end of April. The specific date for the close of the contest will be announced later.

Atkinson Residents Uphold Reputation

Scenes of war, awful wrath and terrible destruction were visible in Atkinson yesterday morning, following one of the mighty brawls for which this dormitory is famous. It started when several inhabitants wondered how long another inhabitant could stand exposure to the night air sans clothes.

The intended victim barricaded himself in the showers and threw wet towels, which were returned with interest. At the climax of the battle, fixtures were removed from the windows for the purpose of jimmying doors; hostilities ceased when all were completely exhausted, about 2 A. M. Yesterday morning, the janitor muttered curses as he attacked with hammer and chisel wads of toweling frozen to the windows.

Funds to Take M.I.T. Crew To Poughkeepsie Race Given By Col. Charles Hayden '90

Registration Material Due at One Today

Registration material must be returned to Room 3-106 before 1 o'clock today to avoid fine of \$5.00. Students are requested not to deposit the envelopes in the mail boxes expecting them to be delivered before 1 o'clock. The material should be delivered directly to Room 3-106.

PROM COMMITTEE ANNOUNCES DATE SIGN-UPS BEGIN

Campaign Lasting Three Days
Opens First Wednesday
Of Next Term

FRESHMEN ARE BARRED

Announcement has been made by the Junior Prom Committee that for the convenience of those wishing to attend the dance, the price of the sign-ups will be reduced from the customary \$5.00 to \$3.50 this year. Acting in accord with the dates set aside by the Institute Committee, the sign-ups and the dinner seat reservations will be on sale February 11th, 12th, and 13th, respectively.

Sign-ups will be redeemed for \$8.50 on March 2nd, 3rd, and 4th. The number of tickets this year will be limited to 250, and as has been the custom in the past the Juniors will be given first opportunity. On the first day, February 11, only Juniors may sign-up. On the next day the sales will be open to Seniors as well as Juniors, and on the day following will be open to all three upper classes. Following the precedent of last year, freshmen will be excluded from the Prom.

Advantage in Signups

By means of sign-ups, students are enabled to reserve their tickets and dinner seats in advance. This arrangement allows those who wish to sit together to make the necessary plans ahead of time. The Prom Committee accordingly urges all Juniors to avail themselves of their opportunity for getting choice seats, and make their reservations on the first day. Fraternities and other organizations may arrange to reserve entire tables by depositing the sum of \$35.00. There will be ten seats to a table.

Persons or groups desiring to obtain seats together are advised to purchase their sign-ups early in order that the confusion of exchanging reservations may be avoided. All sign-ups and reservations will be on sale at the desk in the Main Lobby of the Institute.

CATHOLIC CLUB WILL HOLD SECOND DANCE

Newman Club of Emerson
College to Cooperate

A large group of Emerson girls from the Emerson College Newman Club are expected to be present at the informal dance which the Technology Catholic Club will hold next Tuesday evening in the Main Hall of Walker Memorial.

In charge of the affair is a committee including John A. Finnerty '32, chairman, assisted by Robert M. Kelly '31, Thomas M. Hayden '33, Eugene G. Branca '31, John J. Brown '32, Charles E. McCormack '32, Daniel F. Neilon '32, and August J. Kreuzkamp '33.

The Catholic Club's first dance of the season in November filled Walker to capacity, over 350 couples being present. Art Marshall's orchestra, which scored such a success at the first dance, has again been obtained. Dancing will continue from 9 o'clock until 1 o'clock.

Help To Be Given To Four Neediest Persons At Dance

Bread Line Tonight at Twelve
For Dorm's Starving:
All Invited

If anyone should happen to see a number of poorly clad people evidently having a good time about the Main Hall of Walker Memorial tonight he should recall that the Depression Dance of the unfortunate dormitory men, preparing for the mid-year exams is taking place. Anyone may come if he has the old vestments and the price, one dollar and fifty cents. On entering he will see beer kegs placed about the walls at convenient staggering distances and on tasting he will be delighted to find that they are full of good pre-war sweet cider with which he may gorge all evening.

If he should leave the stein for a moment he might find diversion in dancing to the rolling tunes of the Collegian Ramblers after which the lounges are always open to recuperate from the exertion. If by chance this reveler awoke before midnight he could enter into the festivities again by joining the bread line, which is by the way a big drawing attraction for the dance. There he will receive his handout of apples and doughnuts, and then will go back to the gek again to enjoy his ration.

The Dormitory Committee found that to rent the Hall the electric bill was quite a feature in the expense so it is supplying ordinary oil lamps to reduce the costs, it is promised that there won't be many and the corners will be comparatively shady. Thus if the reveler has any fears of being recognized the darkness and his rags will hide his identity.

To finish off the evening in grand style anyone may, if his clothes are ragged enough, win one of the four prizes for the worst costume. These were donated by the Committee for the neediest cases present and they will be selected by the Chaperones, Major and Mrs. Peter H. Ottosen and Captain and Mrs. Charles E. Atkinson. At two when the orchestra stops playing and the kegs are drained the reveler may journey out into the cold and home to bed to dream of Monday, February 23.

HENRY W. TROELSCH ADDRESSES C. E. S.

Henry W. Troelsch, designing engineer of the American Bridge Company, was the speaker at the dinner meeting of the Civil Engineers' Society held in North Hall, Walker, on Wednesday evening. He gave a talk, illustrated by moving pictures and lantern slides, on the erection of the Kill Van Kull bridge located in New York. This bridge, according to Mr. Troelsch, is the largest arch bridge in the world it being two feet longer than one in Australia which has been considered the largest in the past.

Freshman Has Ideas About Clothes of Poor

Now that the Dormitory Depression Dance approaches a freshman has conceived one of those rabid ideas inherent to his class of mankind.

"Old clothes," he says, "are necessary for a depression dance aren't they? And dirty, old clothes give an effect of deeper depression, don't they?" But even this argument that he gives seems rather weak in the face of what he intends to do.

In the farthest and deepest depths of his closet this youngster has certain souvenirs of the last Field Day, which he calls clothes. He had very good reason to keep them in the farthest corner of the closet. Those are the rags that he intends to thrust upon himself and the rest of the dancers.

GIFT ALSO COVERS TEN DAY TRAINING PERIOD ON HUDSON

Varsity Took Third Place Last
Year—Six Of Old Lineup
Reporting Now

JAY VEES LOSE LATHAM

Through the generosity of Col. Charles Hayden, '90, Technology will again be represented in America's foremost intercollegiate rowing event, the Poughkeepsie regatta. The two thousand dollar gift which will pay for all expenses, for the Varsity crew, including a ten day training period on the Hudson at Poughkeepsie, was publicly announced by Dr. Rowe yesterday afternoon.

This will be the third time that Beaver oarsmen have had a place in these races. On their first visit to Poughkeepsie two years ago, the Engineers were confronted with a high wind choppy course which resulted in swamping after covering the major portion of the course. Up to the time when the M. I. T. oarsmen were forced to abandon their shell they were leading Penn by a good margin. This latter boat was third to cross the finish line.

Third Last Year

In last year's race somewhat better rowing conditions were encountered and the Beaver crew took third place, being led by Cornell and Syracuse. In their wake were some of the season's best eight oars including the well known, and powerful Navy boat.

Rowing officials and enthusiasts are attempting to arrange for the participation of the Junior Varsity in this regatta but have thus far been unable to make definite plans. This crew was undefeated last season after outrowing Navy, Pennsylvania, Columbia, and Harvard and, with the exception of Latham at No. 7, is composed of the same lineup. The Varsity boat is manned by six of last year's oarsmen.

TECHNOLOGY DAMES ANNOUNCE MEETING

Mothers, Sisters and Wives of
Students Are Invited

Wives, mothers and sisters of all students and research men at the Institute are invited by the Technology Dames to attend their next meeting, which will be held next Monday at 2:30 o'clock in the Emma Rogers Room.

The Technology Dames was organized to promote social good fellowship among the wives, mothers and sisters of Technology men. Meetings are held on the first and third Mondays of each month.

The meetings begin with a short business period, which is followed by a variety of programs: a lecture or other speaker, or a visit to some plant. It is hoped to arrange for a fashion show with one of the Boston department stores. Following the program, tea is served during the social hour.

PLAN MEETING OF FRESHMAN CABINET

All freshmen in any way interested in the work of the T. C. A. are invited to attend the second meeting of the freshman cabinet, which will be held today at five o'clock, in the T. C. A. office. At the meeting it will be decided whether to elect officers or not.

Until a president is elected, the meeting will be presided over by John Lawrence '32, director of freshman work for the T. C. A. It was emphasized that all freshmen interested are welcome at the meeting, whether they have been working for the Association or not.