

Sidney Lovett Guest Speaker At Dorm Dance

Rev. Lovett Is Yale Chaplain;
Was Formerly Pastor
In Boston

Twelve-Dance Program
Scheduled For Affair

Open House in Dormitories
Planned for Before,
During Dance

Reverend Sidney Lovett has been secured by the Dormitory Dinner Dance Committee as guest speaker for the fifth annual affair, it was announced last night. Dr. Lovett has for the past three years been Chaplain of Yale University, and has been proclaimed a gifted speaker in collegiate circles. He is known in this vicinity because of his service as pastor of the Mount Vernon Congregational Church in Boston, before leaving for Yale.

The Dinner Dance will be a program affair, with twelve dances scheduled. To allow the guests to take advantage of open house, the program dances will not begin until 11 o'clock, although dancing will be from 10 to 3 o'clock. Open house will extend throughout the dormitories.

Dinner will be served promptly at 7:15 o'clock in the Main Hall of Walker Memorial, and will be followed by reception in the trophy room.

A few tables accommodating three, four, or five couples are still available, and may be reserved by seeing Warren
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Dorm Dance

Professors Granted Leaves of Absence For Advance Study

Turner To Study In New Jersey;
Franklin To Leave For
Europe, Orient

Professor Clair E. Turner of the department of biology and public health and Professor Philip Franklin of the mathematics department have been granted leave of absence for advanced study and foreign travel during the coming academic year, it was announced by the Institute.

Professor Franklin by invitation will carry on special research in the school of mathematics at the Institute for Advanced Study in Princeton, N. J. His main field of study will lie in the
(Continued on Page 4)
Leaves

T. C. A. Again Distributes Desk Calendar Blotters

For the first time, the T. C. A. is distributing blotters at the start of the second term. Already they have been delivered at the dormitories and fraternities. Any student not having received a blotter may get one by asking at the office in Walker.

Because all Cambridge telephone numbers have been changed since the blotters were printed, correction slips are also being given out, in order to bring the blotters up to date. They have been made so as to fit the blotters by simply pasting over the old telephone numbers.

Public Service Administration Will Be Taught

Course Will Be Given During
Six Weeks Next Summer
At the Institute

Government Officials Lecture

Beginning June 24 a six weeks' intensive course in public service administration, designed for students who are preparing for government service in professional or other capacities, will be given at the Institute. Professor Ralph E. Freeman, head of the department of economics and social science, announced last Saturday.

The new course, which is planned in response to the increasing demand for college trained men with a broad knowledge of economic and governmental problems, will be conducted by experts in various fields of public administration. A number of prominent government officials will participate as lecturers on special phases of political activity. The session will be open to a limited number of students with
(Continued on Page 4)
Public Service

Curley Names Compton To Utilities Committee

Governor Asks for Lower Rates
On Gas and Electricity

President Karl T. Compton was appointed yesterday by Governor James M. Curley to serve on a committee of six to investigate gas and electric rates in Boston.

The Governor, speaking before 50 representatives of gas and electric companies, demanded that public utilities
(Continued on Page 4)
Compton

"Biologists and Mathematicians Must Co-operate"

Professor Haldane, Speaker At
Twelfth Sedgewick Memorial
Lecture, Last Week

Character Graph Drawn

"Biologists and mathematicians must co-operate" said Professor J. B. S. Haldane in the twelfth Sedgewick Memorial Lecture at the Institute on January 25.

Professor Haldane's lecture was entitled, "Some Problems of Mathematical Biology, and discussed the mathematics; approach to problems of heredity. He derived equations expressing the ratios of various characteristics in a population and drew graphs from these equations. The determination of the equilibrium point on the graph required the solution of numerous simultaneous equations. Linkage of Characteristics was also determined from a mathematical viewpoint.

One of the problems described by Professor Haldane was that of a parasite and a host which the parasite ate. The mathematical solution of this problem showed that the number of parasites and hosts varied cyclically. In the experiments conducted to verify the equations the amplitude of the variation became so great that at last all the host were destroyed.

These problems of biology are a challenge to the mathematicians to solve. Professor Haldane said that he had some equations that he was unable
(Continued on Page 4)
Haldane

Members of Physical Society Listen To Scientists' Reports

Papers Presented On Nuclear
Disintegration and
Other Subjects

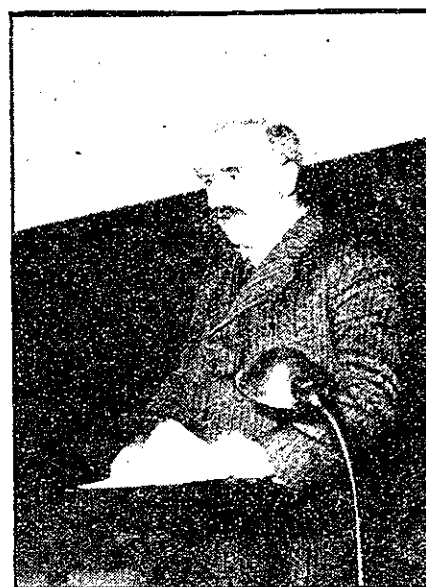
Problems of nuclear disintegration, the measurement of hardness in materials, and the relationship between the elastic and magnetic properties of metals were among the technical subjects discussed at the meeting of the New England section of the American Physical Society, held at the Institute last Saturday.

The visiting scientists gathered in the George Eastman laboratory at 10 A. M. to hear reports of recent investigations in various fields of physics. Professor W. G. Cady of Wesleyan University, president of the New England section, presided at the meeting. An inspection of the Institute laboratories followed the morning session, after which luncheon was served in Walker Memorial.

Reassembling in the main lecture hall of Technology at 2 o'clock, the visitors heard Professor G. Gamow of George Washington University speak on "Problems of Beta-disintegration," a subject of high importance to physicists in their efforts to shatter the atom. He was followed by Professor Francis Bitter of the Institute, who described "The Relationship Between the Elastic and Magnetic Properties of Metals."

Among the papers to be read during the morning session was a discussion of the Thomas-Fermi method in metals by Harry Krutter, teaching fellow at Technology, and a description of a vacuum tube amplifier for thermocouples prepared by Professor Wayne B. Nottingham in collaboration with Ralph P. Johnson and Maurice E. Bell, teaching fellows. Professor Robley D. Evans, National Research Fellow at M. I. T., and R. A. Mugele of the University of California contributed a paper on gamma ray sensitivity of tube-counters and the
(Continued on Page 3)
Physical

Discusses Biology In Sedgewick Lecture



Professor J. B. S. Haldane

Alumni To Have Informal Dinner

Compton to Speak Saturday
At Home-Coming
Meeting

Alumni of the Massachusetts Institute of Technology living in and around Boston will gather at Walker Memorial for an informal home-coming dinner on Saturday evening, February 9.

The guests will hear brief addresses by Dr. Karl T. Compton, president of the Institute, and Charles E. Smith, president of the Technology alumni association. A musical program has been arranged by the M. I. T. Musical Clubs octet.

Following the dinner, open house will be held in Walker Memorial, and an exhibition of fencing, wrestling, boxing and gym team work will be staged by students in the gymnasium. Several classes will hold meetings in the afternoon prior to the dinner.

Fraternity Sing Will Take Place on Feb 21

The Winner Will Be Decided By
Vote of the Audience

Technology's first Inter-Fraternity Sing—an innovation planned by the Musical Clubs—will be held on February 21 the eve of Washington's Birthday in Walker Memorial. Indications are that most of the houses at the Institute will enter groups to sing. If
(Continued on Page 4)
Sing

Profs. Rossby and Willett Receive Aeronautic Award

Members of Institute Faculty
Honored for Their Work
In Meteorology

Develop Application of
Air Mass Analysis Method

U. S. Weather Bureau Recently
Adopted Polar Front Theory
For Daily Forecasting

Calling their work in meteorology a "notable contribution to the aeronautical sciences," the Institute of the Aeronautical Sciences bestowed the Sylvanus Albert Reed Award jointly upon Professors C. G. Rossby and H. C. Willett both members of the Institute faculty, at the Third annual meeting of the Institute, held Jan. 30, at Columbia University.

The Reed Award, the highest honor that is given for scientific work in aeronautics, was established by Dr. S. A. Reed of New York, who pioneered in the development of the aluminum metal aircraft propeller.

The recipients of the award will receive a certificate and \$250 for their achievements in the practical application of the polar front theory to American weather forecasting. Professor Rossby and Dr. Willett together have applied advanced meteorological methods to the forecasting of American weather.

(Continued on Page 4)
Award

Alumni Association President Will Be Corporation Member

Charles E. Smith Will Serve As
First Ex-Officio Member
Under New Ruling

By vote of the corporation, the president of the Technology alumni association, when eligible for election, henceforth will serve as ex-officio member of the corporation for the duration of his office, it was announced today.

Charles E. Smith, alumni president, by virtue of this decision becomes a member of the Institute's governing body for the current year. The change is expected to bring alumni and corporation members into closer contact
(Continued on Page 3)
Smith

Student Riots of This Era Contrasted With Rowdiness of the Last Century

THAT WAS COLLEGE LIFE

Editor's Note: This is the first installment of "That Was College Life" by Morris Bishop, reprinted by permission of the Editors of the New Yorker.

It is registration day in a hundred colleges, and the educators welcome back their charges with manly emotion. Good will reigns on the campus. We are gay but not too gay.

But in the evening, the beard-waggers in their faculty clubs recall certain incidents of the past scholastic year. Last spring, as you remember, a grim band of students gathered on the Columbia campus to protest against the dropping of an instructor who held advanced views on economics and attendance. Diego Rivera, the painter, was called in as an expert in university administration. His speech, in French, roused the mob to a frenzy, surely a signal tribute to the Columbia University Department of French. The athletes, with the interesting

torism of athletes, opposed the protestants; and blood was actually spilled on the Columbia campus, being drawn from two or three provocative noses.

Friends, Romans,

At Cornell, a sophomore stood up at an unauthorized meeting of the city's unemployed. He said "Friends, come a little closer—" and was immediately arrested for making a speech in favor of Communism. At the College of the City of New York, the president on one occasion cleft a passage through an ugly group of undergraduates with his umbrella. At Harvard, there was a collision between the students and the police. And here and there throughout the country, the young scholars are apt to get out of hand, ranging the streets, kicking over the citizens' ash-cans, and ramming their way into moving-picture theatres.

Administrators and editorial-writers, deploring the misdeeds of lawless
(Continued on Page 4)
College Life

Students Healthier at Institute Than During Vacation Says Doctor

That the health of Technology students is far better while they are at the Institute than during vacations was one of the unusual facts related by Dr. George W. Morse, medical director at Technology, to members of the Technology Alumni Council last week.

Dr. Morse indicated the value of the department of hygiene's emphasis on prevention by noting that among four thousand students, members of the faculty, and employees, only five cases of contagious disease developed, and the average loss of time through illness was only two days per student. One of the most important measures in the control of contagious diseases, said Dr. Morse, was that repairing students absent on account of illness to report to the medical department.

Dr. Morse's study of student records over a period of 15 years shows that about one out of every four boys at the age of 18 have one or more defects which should have been corrected while they were in preparatory school. His studies also show that few boys

of college age know the proper diet for maintenance of good health. Many students, he added, come to college frankly expecting the medical department to correct various physical defects which should have had attention years before. The problem of the boy who comes to college physically unfit to undertake four years of work is one which must be solved in the preparatory school years, Dr. Morse emphasized.

"I maintain," he said, "that it is fully as important to train the body as it is to train the mind, and that the college should require a certain standard of physical health as well as a high standard of intellectual ability. I believe every boy who receives a degree should go out from college in as good physical condition as modern medicine can make him. He should be able to start life's work with the confidence that comes to one who is free of those defects which can be corrected if given attention at the proper time."



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VOLUME LV PRESENTS

OLD PRINCIPLES — NEW MEN

EACH year the outgoing board of THE TECH passes on to other hands the management of an organization which we are continually trying to improve and uphold as an outstanding newspaper in American college journalism. It leaves a body of principles and policies as the permanent heritage of those students connected with THE TECH. It is the privilege and duty of the new board to follow the principles of freedom, independence, sincerity, and impartiality which have been charted by our predecessors. We feel this to be an exacting responsibility: to keep faith with our readers by accurately recording and interpreting news events, by commenting on problems connected with undergraduate life, by co-operating with school activities for the furtherance of the general welfare, and by providing students interested in college newspaper work a valuable opportunity to develop their talents in this field.

Because one's outlook can be no more mature than the experience on which it is based, a column dominated by a small group does not fulfill its purposes as adequately as an active student body interested in expressing their opinions in THE TECH. The function of this column, we believe, is to reflect student sentiment, and the editor will attempt to maintain a broad viewpoint, and will welcome intelligent and sincere contributions in the form of Open Forum letters.

Along with the responsibilities of accuracy, truthfulness, fair play, and decency, comes the privilege of freedom, which the press guards as the vital right of mankind. Partisanship and prejudice, which do violence to the best spirit of American journalism, and are subversive to the fundamental principles of the profession, will not be tolerated.

BREAD ON THE WATERS

TAKING ACCOUNT OF STOCK

ALL society—and the students body is included in this general classification—may be divided into two groups, consisting of those who are contented with what they receive, and those who are not. Each of these groups may be further subdivided into two others: those who realize that they received what they deserved, and those who believe that their gains were not equal to their deserts.

With regard to these subdivisions, it may be said that the first type of individual is much more likely to succeed than the latter simply because it is aware of the limitations of his capacity. If it is small, he may take steps to enlarge it; if it is large, he may take pains to see that it is not decreased through any personal negligence.

The attempt upon the part of any individual to receive more than he actually deserves is, however, even a greater fault than the failure to realize the scope of his ability. The Institute does not claim that its examination system is the perfect means of determining the ability of its students; its faults are obvious. But the examination system is the best known means in use among such large student groups, and the results it produces are upon the whole quite significant and dependable.

The first term grades offer just another means of taking account of mental stock. In general they may be accepted as indicative of the quality of the student's work. If a student has been working under an overload, or has been doing outside work to the detriment of

his studies, his marks will show it. Those students who have lost out in their fight to carry on out-of-school activities, and get passing grades in school at the same time, must realize that they are committing educational suicide.

It is better to take a year out of the four year college period, and work to earn enough to come back and graduate with another class, than it is to impair seriously the chances of doing reasonably good school work by tackling too much.

QUESTIONS FOR EXPERTS

PEACE POLL

PARTIAL returns from the college poll conducted by the *Literary Digest* indicate that a majority of college students (1) believe that the United States could stay out of the next war, (2) would fight for the United States if invaded, but not if invader, (3) do not favor an army and air force second to none, (4) advocate government control of munitions, and (5) favor universal conscription of capital and labor during war time. The vote on the question of entering the League of Nations is indecisive.

Could the United States stay out of another war? That is a question that experts on international affairs would have difficulty in answering definitely. Has the American student enough information at hand to be able to form a valid opinion? It is extremely doubtful.

Moreover, it would not be a matter of vital importance in the case of another great catastrophe whether we could stay out of it, but whether it would be to our interests to do so. And that would be another difficult question involving what the "best interests" were at the time.

The results indicate that the students in general would not fight in an aggressive war but would fight in one of defense. This distinction is based on the manner in which the questions were worded, which distinguished between those who would bear arms outside our borders as against those who would fight only within the borders of our country. This brings up another difficulty of vagueness in defining terms. Is it always true that a war of defense means that the defenders fight on their own soil, and that invasion of outside countries is invariably associated with wars of aggression? We might envision two countries at war, neither of them fighting on their own soil, and each claiming that it was fighting a war of defense. Those students who state now that they will not fight in a war of aggression, may be easily won over to the idea—in the case of another great war—that he can fight outside the United States and still be participating in a war of defense—a war that involves the defense of policies or interests if not actual territory.

We may interpret these figures regarding wars of aggression as the loosening of nationalistic bonds. They may mean that students are beginning to question the old motto: "My country, right or wrong," and give their attention and allegiance to mankind as a whole, instead of to one nation. But have we any assurance that what youth says today will be what it will say if the time should come for bands to be playing and armies to be organized?

The last war demonstrated how easily a wave of intense patriotism can sweep our country, and the stresses and enthusiasms in the moment of action can do much to make us cast aside the well-considered doctrines of peacetime. If the few who start any great movement can make enough noise about it, the many follow like sheep. And it takes a strong-minded college student to refuse to be "one of the herd." The stigma of finger-pointing at "squealers" is another factor to be reckoned with in the reaction of the American college student in a major war threat. Professor Taylor reminded us last year in a speech on the prevention of war that "when the fellow in a uniform goes off with your best girl, that is the last straw."

So it may be concluded that while the *Literary Digest* poll will give a representative cross-section of student sentiment at the moment, it cannot give much material on which to base a prediction of youth's reaction to the next war. It is doubtful if anyone can accurately predict what would happen.

COLORFUL CORRIDORS

DECORATING THE INSTITUTE

PASSING through the second floor corridors in Building 10, one cannot help but notice the decorative innovation which has replaced the monotonous and not too beautiful bulletin boards which formerly graced the walls. Students have been seen to stop and admire the new architectural drawings, which, we feel, indicate the trend toward making our corridors more beautiful.

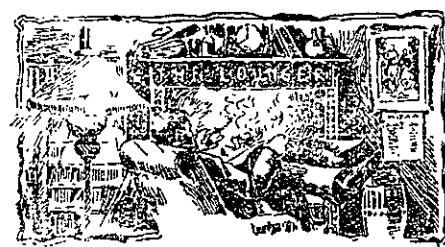
In spite of the architectural beauty of the Eastman and Main lobbies, many of the Institute's friends carry away with them the impression of long, drab, factory-like corridors that are so characteristic of Technology. To relieve the monotony of our halls, various

EDITORIAL—Continued

kinds of pictures have been placed quite generously, so generously, in fact, that they have somewhat failed in their purpose. On the first floor of Building 4, for example, the walls are literally loaded with pictures; the general appearance of clutter might be relieved by placing fewer pictures, and placing them more effectively.

The new architectural plates in Building 10, besides very definitely enhancing the beauty of the corridors, provide a tangible bond between Technology and Rogers Building making the engineering students aware of the excellent work that our brother architects are doing. The idea of placing these plates in the Institute materialized through the efforts of Professors H. W. Gardner and F. K. Morris and Mr. Carroll Wilson, who secured the plates from Rogers Building. The requisite appropriation for framing the plates was made, and we have the assurance that the administration will make use of more of them.

This innovation will do much to improve the appearance of the interior of the buildings, and ought to elicit whole-hearted thanks from the student body for making our quarters more livable.



Mystery Solved

Just before finals the Boston police were baffled by the "Mystery of the Swiped Ice Truck." On the morning of January 24, Marshall McLeod of Medford left his ice truck at the corner of Mass. avenue and Marlboro street while he delivered a load to one of his customers. When he returned the truck was gone. The papers played the story up, and even Dahl featured it. But the whole story was misrepresented. The true facts are as follows:

At 8:55 A. M. a trolley car containing some fifty Tech students bound for the exams found its way blocked by the ice truck. After five minutes the students became impatient. After seven minutes they began to tear their hair, respectively and collectively. Finally one of them, risking all for the good of the group, drove the truck off to a place where it would not hinder examinees. He also evidently made a clean getaway. Lounger offers the unknown hero sincere thanks and hopes that he made his exams on time.

These Mathematicians!

We received a letter the other day which we feel should interest everyone who has ever perspired over a nasty bit of math, especially as it indicates the dangers of too close an

application to the subject. We quote directly from the letter:

"A professor of the math department was holding conference with one of the freshman students. There came a well-mannered knock at the door. (Lounger's note: what is a well-mannered knock?) In walked a lady of pleasant appearance accompanied by a child of three or four. The conferees arose and the professor presented the freshman to the lady. Then to the freshman, 'This is my wife.' He turned toward the child, 'And this is little delta, our first increment!'"

Derivative of y with respect to x we calls it.

Co-edgewise

We would like to know what has happened to Miss Co-edgewise. So would a lot of other people. Strange as it may seem, we have met a great many students who are interested in the doings of the co-eds. So we instituted a search for the young lady who has departed from the haunts of journalists, worms, and bonfires-on-the-night-of-the-issue. We looked in the P. O. boxes, in the tank, in the hydraulics lab, and under the table at Nick's place. No results. So will anyone seeing her please return her to the news office of THE TECH as ye Lounger has lost his paper weight.

Go West, Young Man

Certain members of the student body have been following Horace Greeley's advice lately with varying effects. But we notice that they don't get any farther than Montana.

Post Script

Just before going to press we wish to announce that Miss Co-edgewise has been found. Seems she was filed with some schedule cards at the Info Office. So it looks as though there will be a Co-edgewise column tonight.

Kattwinkel Elected To T.C.A. Advisory Board

Egon E. Kattwinkel, '23, has been elected to the T. C. A. Advisory Board to succeed Colonel Frank L. Locke, it was announced yesterday.

Kattwinkel was general manager of The Tech for Volume XLII. He received his M. D. degree from Harvard Medical School in 1930. For the past three years, Kattwinkel has served as the doctor in attendance at Freshman Camp.

Colonel Locke, who died recently, was head of the graduate employment service, and twice a term member of the corporation. He long maintained a keen interest in various branches of social service.

Congratulations Freshmen —

Class of '36,

We extend our sincere congratulations to all of you who have weathered the storm of the first term. True, your ranks have been thinned. Technology is the place where only the strongest survive.

But we take our hats off to those among you who have done more than just study, those who have rowed with Bill Haines, run with Oscar Hedlund, boxed with Tommy Rawson or otherwise contributed their brawn to Institute athletics, even if it was only to escape P. T., and those who have helped Drama-shop, put out *T. E. N.*, *Technique* and *Voo Doo*, played with the Musical Clubs, spoken for the Debating Society, or otherwise contributed their brains to Technology activities.

To our own staff, who have worked and "bulled" with us, we own a greater measure of appreciation.

But all you freshmen do not enter into the spirit of Institute life. To you we offer a chance to become acquainted with our paper, its opportunities.

On February 12, a week from today, THE TECH will have a smoker at which you can meet our staff and learn what we do. Writing, business administration and football are among the rest. There is something for everyone.

Come out of your shell and meet the gang.

Volume LV, THE TECH.

CO-EDGEWISE

Before taking up the business of today we wish to correct on erroneous impression. There is not, never has been, and never will be a coed swimming team. The denizens of 10-300 are surprised, shocked and indignant. At their request, we are clearing the whole matter up. A little freshman co-ed was in THE TECH News Room one night when time hung heavy on her hands. She thought and thought, and finally an inspiration came. What would be better than a coed swimming team? With no further reflection she created this team, and foisted it upon an unsuspecting editor. With his assistance, the message went forth to an eager public, and was gleefully received. We wish it to be definitely understood that even if the co-eds could swim they would never, never, form a swimming team, and if they did they wouldn't challenge Wheaton as one inventive Boston paper suggested. Aside from these few inaccuracies a freshman coed's story can always be considered correct.

With the beginning of the new term, a certain Sophomore coed, who happens to be on THE TECH, has solemnly vowed to be more careful in selecting her friends. It is so disagreeable to have all the boys one likes flunking out. Tech men, attention! Use discretion when leaving with the assistance of the Dean.

Apropos, pardon while we pause to gloat. Disappointing as it is to the freshmen, there is no decrease in the population of 10-300. By the way, a certain dormitory freshman has lost his bet about the coed in his section. If he is still a member of the Institute will he please get in touch with this department. Honest debts must be paid.

Will those two who voted for Margaret Cheney and Emma Rogers in the recent poll tell the co-eds just who these women are. We have been asked several times and are unable to supply any information. Also, Coedgewise has had medals struck for those intrepid heroes who named Technology. Counting out those whose reasons are known there are fourteen of them. We wish to make their acquaintance.

Now for today's business. We are instituting a complaint column. Any protests against the feminine members of the Institute will be sympathetically dealt with. No longer need you wail to empty air, just tell us your troubles and we'll see what can be done. And that is that.

TECH TRACK MAN HURT IN SKIING ACCIDENT

Thomas Oakes, '38, a member of course IV was seriously injured on last Monday afternoon in a skiing accident at Prospect Hill, Waltham. While skiing down Prospect Hill Oakes lost his balance and plunged full speed into a nearby tree and was knocked unconscious. A group of friends made a stretcher with skis and carried him to the rest house, from where he was taken to the Waltham Hospital. Besides suffering severe abrasions on the head together with multiple cuts and bruises, his spine received a severe wrenching which may necessitate his being in the hospital for several more weeks.

Oakes who has a berth on the varsity two mile relay team, and who also ran on the freshman and varsity cross country teams will necessarily be out of track competition for the rest of the year.

Physical

(Continued from Page 1)

measurement of the thorium content of rocks.

The property of hardness, what it is and how to measure it was the topic of a paper by Professor S. R. Williams of Amherst College. Professor P. W. Bridgman of Harvard University discussed the high pressure transitions of bismuth, and Professor E. C. Kemble of the same institution offered a contribution to the theory of the W. B. K. method. Professor O. K. Rice, also of Harvard, discussed the Stokes phenomenon for the differential equations which arise in the problem of inelastic atomic collisions.

Tech Boxers Lose on Southern Trip

Rutgers and Columbus Mittmen Defeat Beavers, 7 to 0, 7½ to ½

Technology's varsity boxing team completed its first extended southern trip when it returned Sunday after having met Rutgers University at New Brunswick, N. J. and Columbus University at Washington, D. C. The team left last Thursday night on the New York sleeper. They spent a frigid Friday morning in New York, and left that afternoon for New Brunswick. The team lost to Rutgers that evening by a score of 7 to 0. The following morning, Saturday, they left for Washington where they lost that evening to Columbus 7½ to ½.

The outstanding bouts at Rutgers were those of Fred Claffee 135 lbs., Co-capt. Nick Lefthes 145 lbs., and Jim Casale 165 lbs. Claffee's fight was the fastest. Lefthes had most action and Jim Casale, who won from Harvard by a knockout, brought the house down when he and his opponent both went down together and were struggling on the canvas. Elmer Wirtz who had the misfortune of fighting the son of the famous boxer, Jeff Smith, was K. O'd in the 3rd round. Wally Mathesius in the first fight of his career, managed to last 2 rounds against a tough opponent in the 175 lb. event.

At Columbus, Capt. Nick Lefthes prevented a shut out for Technology by gaining a draw with Lauro of Columbus. Red Brooks, 125 lbs., provided the fastest and most active bout at this meet until he was disqualified in the 3rd round for reasons unknown to himself and the audience. Fred Claffee became the hero of the evening by continuing to battle Leon Scub, 3 time amateur Golden Glove champion of D. C., although Fred's lower lip was severely cut.

Jim Casale lost a very close battle on a decision which was most unpopular with the entire Columbus crowd. Wally Mathesius, though inexperienced, surprised his coach and team mates by winning the first round against his Columbus opponent, although Coach Rawson removed him in the 2nd round in consideration of his condition due to the previous bout at Rutgers.

The members of the varsity team who made the Southern trip were Champ Norton 115 lb., Red Brooks 125 lb., Bill Wold 135 lb., Fred Claffee 135 lb., Capt. Nick Lefthes 145 lb., Elmer Wirtz 155 lb., Jim Casale 165 lb., Wally Mathesius 175 lb., Coach Tommy Rawson and Manager Red Hornor.

Smith

(Continued from Page 1)

in the solution of academic administrative problems.

A graduate of the Institute in the class of 1900, Smith is nationally known as an authority in railroad engineering and management. He is vice-president of the New York, New Haven and Hartford Railroad Company, and vice-president in charge of operations of the New England Transportation Company and the County Transportation Company, highway subsidiaries of the New Haven system. Recently he was elected president of the Railroad Club of New York, considered one of the highest honors in the field of transportation. He has long been actively interested in Technology affairs, and has been particularly concerned with the work of the department of civil engineering.

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Relay Team Second In Millrose Meet

Faatz, Pultsifer, Cooper and McLellan Turn In Fast Time of 3m. 29.8s

The crack varsity all-sophomore one mile relay team broke the Institute record for the one mile relay Saturday evening at the Millrose Meet in the New York Madison Square Gardens. Unfortunately the fast time of 3m 29.8s was not good enough to win the event, and therefore the old Institute record will stay. Syracuse University put in the fast time of 3m 26.8s to win the event, with Tech, Navy and Columbia following in the same order.

This race itself was a thrilling affair in that Navy tried to take second place, and probably would have except for the fine running of Dave McLellan.

The lead off man, Faatz trailed the Syracuse runner by five yards; Pultsifer running number 2 held the five yards; Cooper dropped a few yards behind while running number 3, even though he turned in the fast time of 51.8s for the quarter. Then Dave McLellan decreased Syracuse's lead by a few yards while a fast Navy man tried to pass him. But Dave cleverly kept him on the outside and with a final burst led him to the finish by 12 yds. McLellan's time was 51.6s.

OFFICIAL NOTICE

Two new graduate courses with "A" rating are offered in the department of Mechanical Engineering during the present time as follows:

2.284—Plasticity, 2, 4, by Dr. C. W. MacGregor, Class exercises on Tuesday, 12-1, and on Thursday, 12-1, in Room 1-236.

2.44—Advanced Engineering Thermodynamics, 2, 4, by Professor Joseph H. Keenan. Class exercises on Monday, 12-1, and on Friday, 10-11, in Room 3-307.

These courses are open to Graduate Students in the Engineering Departments.

Hockey Team Loses Two Games, 3-2, 3-2

Team Will Play New Hampshire Today; Captain Is Hopeful Of Win

Celebrating the end of the mid-term vacation, the Beaver hockey team was defeated by Union College and also by Hamilton College last Friday and Saturday respectively by the scores of 3-2 in both cases. The Technology skaters showed up poorly against Union although Union's hockey team is not of definitely superior grade. However, proving once again the old saying that good competition begets excellent opposition, the Institute's puck chasers showed up to much better advantage against Hamilton's strong aggregation. This game was extremely close and the audience was pleased by an exhibition of real fighting spirit coupled with an excellent grade of hockey.

The lineup for Technology during the Union game was: Goalie Don Kenney; defense men, Frank Parker and James Notman; right wing, Winny Stiles; Center, Herb Goodwin; left wing, Fred Mathias. The lineup for the Hamilton game was the same except that Notman played center and Goodwin played defense. The second line consisted of Windsor, Forsburg, Cohen, and Healy. Forsburg turned in a stirring performance in the Hamilton game, scoring both of Technology's goals. Goodwin and Healy both turned in good games in both events.

The pucksters leave for New Hampshire today at four o'clock to take on New Hampshire University. Saturday, the team will play Williams at Williams.

Haldane Is Speaker At Graduate Dinner

Professor J. B. S. Haldane, the well-known British geneticist and author, who delivered the twelfth annual Sedgwick Memorial Lecture on Friday, January 25, spoke at the Graduate House post-examination dinner held the next day in the North Hall of Walker Memorial.

His topic was the pH content of the human body, and the ways in it may be varied artificially. This value—the logarithm to be base ten of the hydrogen on concentration—is normally between 7.2 and 7.4. It is roughly proportioned to the ratio of carbon dioxide in the body to the carbonates present.

A change in this value produces a feeling of illness, generally accompanied by feverishness. This rise in body temperature tends to adjust the carbon dioxide-carbonate balance, and so permit the system to return to normal.

To decrease the pH value, one must either decrease the amount of carbon dioxide, or increase the amount of carbonates. To bring about an increase in pH, the reverse is necessary.

By sitting quietly in a chair and breathing deeply, one may decrease the amount of carbon dioxide in the blood. This procedure first results in a tingling sensation in the arms and legs, then contraction and stiffening of the muscles, and finally violent convulsions. When this was demonstrated on several dogs, the Professor stated, the efforts of a staff of doctors and a pulmotor failed to bring the dogs back to normal.

Similar effects may be produced by taking solutions of carbonates internally. In this case, it is the kidneys that bring about a return to normal conditions.

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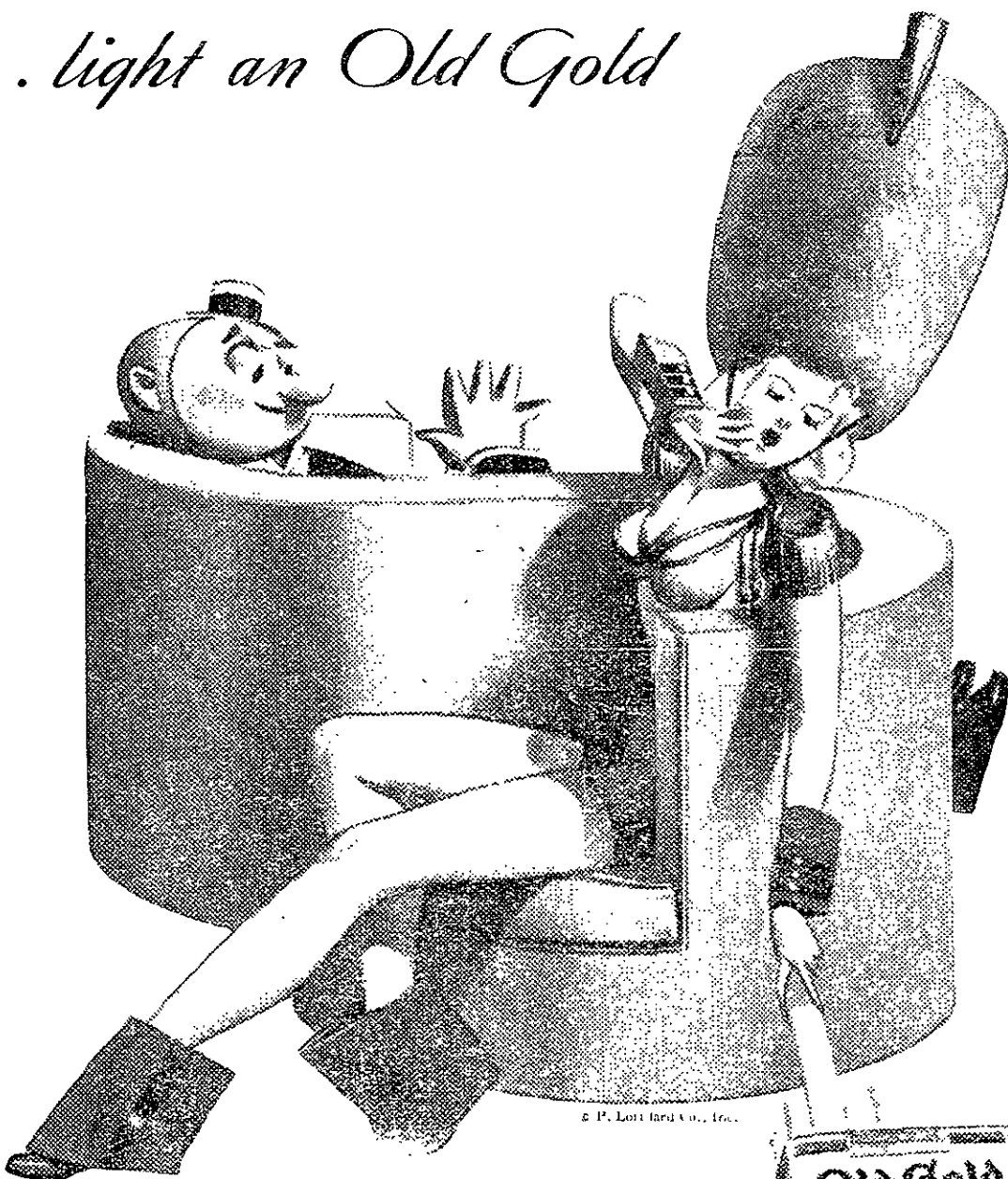
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CALENDAR

Tuesday, February 5

6:30—Reserve Officers' dinner, Faculty Dining Room, Walker Memorial.

Wednesday, February 6

5:00—Graduate House dinner, North Hall, Walker Memorial.

7:00—Sponsorship Group dinner, Fabyan Room, Ware basement.

Thursday, February 7

3:00—Theoretical Seminar, Large Lecture Room, George Eastman Laboratory. "Theories of Magnetism," Prof. J. H. Van Vleck.

4:30—Physical Colloquium, Large Lecture Room, George Eastman Laboratory. "The Coarse Structure of Crystals," Prof. M. J. Buerger.

6:00—Association of General Contractors' dinner, Grill Room, Walker Memorial.

Award

(Continued from Page 1)

It was largely as a result of their work that the polar front or air mass analysis method recently was adopted by the United States Weather Bureau for daily use throughout the country. It has been found of particular value in forecasting and dispatching over air routes, where it already has made possible greater safety and economy in airplane flights.

According to the polar front system, the important indications of weather changes are to be found by analysis of the great air masses of the upper atmosphere. These air masses arise in various parts of the world, and differ radically in temperature, moisture content, and direction. Changes in the weather, such as snow, rain and wind, occur at the boundaries or fronts where these contrasting masses meet. The problem of forecasting thus becomes one of obtaining as complete and accurate knowledge as possible of upper air conditions.

Haldane

(Continued from Page 1)

to solve and that he would be glad to give them to anyone who would like to attempt to solve them. The mathematicians working with equations from biology must have an appreciation of the subject so as not to make unwarranted assumptions, he said.

As professor of genetics at the University of London, and the head of the genetics research at the John Innes Horticultural Institution, Professor Haldane has made outstanding contributions in the field of physiological chemistry, genetics, and the mathematical study of natural selection. Haldane said that by his mathematical analysis he has made the terms of the Darwinian theory, such as "fitness," more exact. He therefore feels that he has strengthened the Darwinian Theory of Evolution.

Compton

(Continued from Page 1)

ties rates be lowered. The only speaker for the companies, Frank D. Comerford, President of the New England Power Association, expressed a desire to co-operate if possible and suggested the formation of a committee of six, three to be appointed by the Governor and three by the companies.

Research in Cement Furthered by Grant

Institute Receives Thousand Dollars from National Research Council

A grant of \$1,000 has been made by the National Research Council to the chemical engineering department of the Institute for use in research on gel structures in cement.

The grant will make possible an investigation in which the microscope will be used to study the crystallization and hardening, or gelation, of cement at various stages in the process. The work will be carried out under the direction of Dr. L. S. Brown of the department of chemical engineering, with the cooperation of the department of civil and sanitary engineering.

Leaves

(Continued from Page 1)

application of topology to analysis.

As a representative of the federation, which includes the National Education Association of the United States and corresponding organizations of leading countries throughout the world, Professor Turner hopes to stimulate health education among the member societies and to strengthen the cooperation between educational groups and other agencies concerned with school health.

Dorm Dance

(Continued from Page 1)

E. Clapp in the Dormitories, or one of the committee members. Admission is by subscription at four dollars a couple to Dormitory residents, and five dollars a couple to outsiders.

The committee in charge consists of Louis W. Pflanz, Chairman; Warren E. Clapp; Robert A. Scribner; G. Fred Lincoln; H. William Parker; John G. Mooring; William M. Murray; and K. Joseph Winiarski.

Sing

(Continued from Page 1)

this first affair proves to be a success, it is planned to make it an annual event.

Groups varying from quartets to octets will represent the various houses, in a contest for a silver loving cup to be awarded by Baton, the honorary society of the Musical Clubs. For a half-hour period beginning at nine o'clock, groups from five or six houses will sing, after which there will be dancing for half an hour. This alternation will continue until midnight, at which time it is expected that all the competing houses will have participated in the singing. Finals will then decide the winner of the cup. Following this, dancing will continue uninterrupted until 3 o'clock.

Paul St. Regis' orchestra will play for the dancing, by request of many who heard him at the Musical Club's Christmas Concert and Dance. The entertainment is being run in cabaret style. Admission will be two dollars a couple, one dollar stag.

Public Service

(Continued from Page 1)

a background of physical and social sciences sufficient to insure intelligent participation. The course will carry credit toward a degree.

Undergraduate Notice

The T. C. A. Book Exchange announces that there is a great demand for second hand copies of the books listed in the General Bulletin for the second term. The Exchange offers used books at two thirds original price, with no commission charge.

Breakfasts 15c to 35c
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College Life

(Continued from Page 1)

youth, ascribe the new mood of violence to Communist propaganda, the collapse of parental authority, post-war psychoses, and prohibition.

But just a moment! Is rowdiness, then, a new development of our disintegrating world? Well, if rowdiness may be defined as arson, grand larceny, rioting, and homicide, no.

Just a Lot of Tarzans

In the lusty youth of this republic, only the law of the jungle ruled, it would seem, in classroom and on campus. Dr. Andrew D. White, President of Cornell University, Ambassador to Germany and Russia, and a famous historian, said: "I myself saw at (Hobart) College one professor, an excellent clergyman, driven out of a room through the panel of a door, with books, boots, and spittons thrown at his head, and I saw, more than once, snowballs and bottles hurled at the head of the highly respected president of the college, whom I also saw, at another time, locked in his lecture room and forced to escape from a window by a ladder lowered from the second story."

(To be continued)

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