

## ANNOUNCE HONORS AT COMMENCEMENT CEREMONIES TODAY

### Eight Students Made Honorary Fellows In Recognition Of High Attainments

## ALL RECEIVE FELLOWSHIPS

### Eleven Other Men Pursuing Graduate Work Receive Fellowships

In recognition of high scholastic attainment and ability in the field of Research, the following students have received honorary appointments as "Fellows" of the Institute during the next academic year. It was announced by President Compton at the graduation ceremonies today:

Manson Benedict, Fellow in Physical Chemistry. Recipient of the Henry Saltstall Fellowship.

Francisco Miguel Camps-Campins, Fellow in Chemical Engineering. Recipient of the Louis Francisco Verges Fellowship.

James Brown Fisk, Travelling Fellow in Physics. Recipient of the Redfield Proctor Travelling Fellowship.

Laurence Clark Hicks, Fellow in Metallurgy.

William Cameron Kay, Fellow in Chemical Engineering. Recipient of the William Sumner Bolles Fellowship.

Joseph Armand Monier, Jr., Travelling Fellow in Chemistry. Recipient of the Moore Travelling Fellowship.

Anant Hiratal Pandya, Fellow in Civil Engineering. Recipient of the Austin Research Fellowship.

Elliot Leonard Whitaker, Travelling Fellow in Architecture. Recipient of the Sumner Sketch Prize, and the Travelling Fellowship in Architecture.

### Recipients of Fellowships

In recognition of high scholastic attainment the following Fellowships have been awarded to students pursuing graduate

(Continued on page four)

## SPECIAL SUMMER COURSES OFFERED IN TEXTILE WORK

### Courses Based On Textile Microscopy and Analysis

## UNIQUE EQUIPMENT USED

Special courses based on the most advanced knowledge in textile microscopy and technical analysis will be offered in the Textile Laboratory of the Institute this summer. The work has been arranged to meet the requirements of advanced students, textile executives, and research directors, and provisions have also been made for experimental research in the composition and properties of textiles. The courses will be given from July 27 to September 7, under the direction of Professor E. R. Schwarz.

The unique optical equipment of the Laboratory, said to be the finest available, will be used in the course in Textile Microscopy. This work will include discussion of the diverse techniques employed in studying fibers, yarns, and fabrics, and a study of the various optical instruments designed or adapted for textile research. Lantern slides, moving pictures, and numerous experiments will illustrate the lectures.

### Physical Properties Studied

Apparatus and methods for the physical testing of textiles will be studied in the course on Textile Technical Analysis. Practical research problems will be presented for solution, and typical sets of Textile Laboratory data discussed. Tests will be described for bursting, tearing, and tensile strength, resilience, thickness, porosity, rate of moisture regain, variation of physical properties with moisture regain, elasticity, elongation, repeated stress application, and abrasion. Professor

(Continued on page three)

## Seniors Wouldn't Even Die For Dear Old Tech

Following are the results of the Senior Class ballot, as announced yesterday at the Class Day exercises:

Greatest Likely Success: tie, Frain and Rhines, 4

Did Most for M.I.T.: Gilman 21, Rhines 5

"Done" M.I.T. Most: Chambers 19, Horace Ford 5

Greatest Bluffer: Jenkins 21, Finnerty 6

Best Dancer: Buckley 8, Barker 3

Best Dresser: Wilson 13, Green 8

Greatest Drag With Women: F. W. Walsh 10, Semple 6

Greatest Drag With Profs: Rash 7, Lister 4

Nosiest: Kirkpatrick 19, Anderson 10

Laziest: Chase 13, Freeman 5

Handsome: Kimble 9, Archambault 6

Biggest Politician: Finnerty 31

Biggest Roughneck: Anderson 9, Worcester 4

Would you prefer a "Straight T" to a Tau Beta Pi key: "Straight T" 25, Tau Beta Pi 20

Believe in Woman Voting: No 34, Yes 9

Would You Die for Dear Old Tech? No! Unanimous

Class Day Beaver Orator: Kimble 8, MacLaughlin 4

## WAGNER AWARDED STRATTON PRIZE

### Bernard Gould Is Second And Jacob Millman Wins Third Prize

The winners in the final competition for the Stratton Prizes, which was held yesterday, were announced at graduation. The first prize of \$50 was awarded to Herbert M. Wagner, Boston, for a paper entitled "Introduction to the Thyratron Tube." The second prize of \$30 was won by Bernard S. Gould, Boston, for a paper on "The Bacteriophage." Third prize of \$20 went to Jacob Millman, Lawrence, for a paper on "The Nature of Light." The winners are all members of this year's graduating class.

The Stratton prize contest was established last year by the late Dr. Samuel W. Stratton, chairman of the Corporation of Technology, to encourage students in the writing and presentation of technical papers, an accomplishment which technical educators agree plays an important part in the careers of engineers and scientists.

The judges in the finals were Godfrey L. Cabot '81, Dean Harry E. Clifford '86, Graduate School of Engineering, Harvard University, and Harrison P. Eddy, Jr. '17. The committee in charge of the Stratton Prizes was Dr. Samuel C. Prescott, chairman, Professor William H. Timbie, and Harold E. Lobdell, Dean of Students.

The competitors this year were Jacob Millman, Lawrence, a member of the Technology Physical Society, whose subject was "The Nature of Light"; Elliot D. Giddon, Brookline, Sedgwick Biological Society, "Some Aspects of Eugenics"; Norman O. Paquette, Windsor, Ont., Student Branch of the American Society of Mechanical Engineers, "Quick Freezing"; Arthur M. Orne, Boston, Mining Engineering Society, "A Theoretical Explanation of the Ice Ages"; Bernard S. Gould, Boston, Sedgwick Biological Society, "The Bacteriophage"; and Herbert M. Wagner, Boston, Student Branch of the American Institute of Electrical Engineers, "Introduction to the Thyratron Tube."

## COURSE XV SPONSORS COUNTRY-WIDE TOUR

Ten undergraduates will leave the Institute on June 13 for the second Industrial Tour, sponsored by the department of Business and Engineering Administration. The men will travel in a large bus, equipped with beds, cooking utensils, a stove, and refrigerator. This tour which is made possible through co-operation with the Thorne-Loomis Foundation of New York, will take about six weeks and will visit industrial plants and other points of interest in southern, middle western and eastern states.

## "KEEP GOING ON!" ADMONISHES PRES. KARL T. COMPTON

### Warns Class Of '32 Not To Slump In Commencement Day Address

## GIVES FINAL MESSAGE

### Says That Students Have Learned To Work With Vigor

In his "Final Message to the Class of 1932," President Compton in a brief Commencement address said, in part:

"It will require the perspective of time to enable you properly to evaluate the years of work which have culminated in your graduation today. But a few elements of this evaluation are clear, and of them I would speak very briefly.

"1. Your work here has had a definite objective. You have set a certain ideal ahead of you, which today you have, at least in part, achieved.

"2. You have acquired a certain knowledge of those aspects of thought and activity which underlie modern life, and you have a certain amount of additional special training in science, engineering or architecture.

"3. You have learned to work hard. I have yet to meet a Technology graduate who does not admit this, and take pride in it.

"4. You have learned, in your activities here, to take your place as an individual cooperating unit in an organization — to perform that most important of all functions of life — to live usefully among your fellows.

"In short, you came here youths; you go out men."

"From this time on your life will be lived under different auspices. Your next immediate objective will be different. You will have to achieve it with less guidance and supervision. You will have to make more decisions. You will have daily the opportunity to slump or to forge ahead. Remember this: the supreme test of your and our joint efforts during the past four years is not measured so much by how much you know or by how well you know how to use what you know, as by the extent to which there have been implanted in you the courage and will to succeed and the absorbing interest in productive endeavor and intellectual accomplishment which will carry you continually onward.

"My final message then, in a nutshell, is, 'Keep going on. Don't slump.'"

## SUMMER SESSION TO BEGIN THIS MORNING

### Entire Resources Of Institute Available For Work

The summer session of the Massachusetts Institute of Technology will open this morning with many special and advanced courses, as well as regular instruction in nearly every field of science and engineering. The entire resources of the Institute are available for the work of the summer session, which will continue through September.

Engineers, United States army and navy officers, and industrial executives will be among the advanced students in various fields, working under the direction of regular members of the staff and visiting authorities from other institutions.

Among the special summer subjects offered are two courses based on the most advanced knowledge in textile microscopy and technical analysis, and arranged to meet the requirements of advanced students, textile executives, and research directors. Provisions have also been made for experimental research in textile composition and properties. The unique optical equipment employed in these courses is said to be the finest available.

The extensive laboratories of the Institute are open for supervised investigation and study of problems in such varied fields as industrial microbiology, photo-elasticity, X-rays, internal combustion engines, airplane design, soil mechanics and corrosion.

## SPEAKS AT SIXTY-FIFTH GRADUATION EXERCISES



SIR HENRY W. THORNTON, K.B.E.

## TEA DANCE CLOSSES SENIOR CLASS DAY

### Dr. Allan W. Rowe Speaks At Ceremonies Held Yesterday In Walker Memorial

Members of the class of 1932 gathered at the Institute yesterday for the events of Class Day. Final competition for the Stratton prizes, which are awarded annually for the delivery of scientific papers by members of the undergraduate professional societies, were held in Room 10-250 at 10.30 a.m. President Karl T. Compton presided, and the results of the competition are announced elsewhere in this paper.

In the afternoon Dr. Allan W. Rowe, president-elect of the Technology Alumni Association, made the principal address at Class Day exercises at Walker Memorial. Donald B. Gilman, Quincy, president of the senior class, presided at the exercises. With him were William H. Barker, Norwich, N. Y., vice-president and first marshal of the class; John Lawrence, Rutland, Vt., second marshal; and Thomas B. Rhines, Watertown, N. Y., third marshal. Later in the afternoon there was a tea dance for the seniors and their friends in Walker Memorial, this event being in charge of Tom H. Jenkins '32, Mt. Pleasant, Tenn.

Last Sunday the Senior class marched in cap and gown from the Rogers Building on Boylston Street to Trinity Church, where Bishop William Lawrence delivered the baccalaureate sermon.

## 320 GRADUATE FROM LOWELL INSTITUTE

### Record Number Forms 28th Graduating Class

The twenty-eighth graduation exercises of the Lowell Institute School were held in Room 10-250 at the Institute on May 27. The graduating class of 320 was the largest in the history of the School.

Professor Charles F. Park of Technology, director of the School, opened the program with a brief address and introduced Dr. Karl T. Compton, president of Technology, who spoke to the graduates. A Commencement address was made by Charles C. Smith, vice-president of the New York, New Haven and Hartford Railroad. Dr. A. Lawrence Lowell, president of Harvard University and trustee of the Lowell Institute, made the presentation of certificates and addressed the graduating class.

Certificates were awarded to 16 men for completion of advanced courses. Nine graduates of the electrical course were awarded the graduate certificate in the mechanical course. Five graduates of the mechanical course received the certificate in the electrical course. Two certificates in the building course were awarded.

## DOCTOR COMPTON PRESENTS DEGREES TO 467 GRADUATES

### Sir Henry Thornton, President of Canadian Railways Delivers Commencement Address

## LARGE AUDIENCE PRESENT

### Reserve Commissions Presented R.O.T.C. Members; President Compton Speaks

The Massachusetts Institute of Technology held its sixty-fifth graduation exercises at Symphony Hall this morning. The Commencement address was delivered by Sir Henry W. Thornton president of the Canadian National Railways, and the presentation of degrees was made by President Karl T. Compton.

The long procession of candidates for degrees entered the auditorium shortly after 11 o'clock. They were led by William H. Barker, Norwich, N. Y., first marshal of the Senior Class, and Donald B. Gilman, Quincy, president of the Class of 1932. Then came John Lawrence, Rutland, Vt., and Thomas B. Rhines, Watertown, N. Y., second and third marshals.

The Class of 1932 numbered 461, which was 52 more than the graduating class last year. The advanced degrees awarded included 15 Doctors of Philosophy, 12 Doctors of Science, 204 Masters of Science, and five Masters in Architecture. A total of 697 degrees were awarded. Commissions in the Officers Reserve Corps were awarded to 88 men and nine certificates were given to men below the age for commissions.

While the candidates for degrees remained standing, the academic procession of the guests of honor, members of the Corporation, the Class of 1882 (the fifty-year class), and the Faculty came upon

(Continued on page four)

## 14 SOPHOMORES IN E. E. CHOSEN FOR CLASS HONOR WORK

### Will Have Special Program Of Study During Last Two Years

## FEW FINAL EXAMINATIONS

Fourteen students in their second year in the department of Electrical Engineering at the Institute have been selected for the honors group of their class and will follow a special program of study during their Junior and Senior years. The selection was made on a basis of scholastic attainment, self-reliance, and initiative, the honors group plan having as its objective the encouragement of independent study.

The students chosen are Henry B. Backenstoss, Washington, D. C.; Gordon K. Burns, Maplewood, N. J.; Lawrence C. Ebel, Richmond Hill, N. Y.; Arthur B. Fox, Fresno, Calif.; Walter R. Hedeman, Baltimore, Md.; Loren H. Hutchins, Dorchester, Mass.; Norman B. Krim, N. Y. C.; Arthur Miller, Chelsea, Mass.; Francis J. Safford, West Chelmsford, Mass.; Graves H. Snyder, Lewisburg, W. Va.; Chester A. Tudbury, Newton Highlands, Mass.; Warren A. Wilber, Albany, N. Y.; Glen P. Woodbury, Wenham, Mass.; and Charles A. Zelaites, Lincoln, N. H.

### Work on Own Initiative

Under the honors group plan of this department, responsible students of excellent scholastic standing are allowed considerable freedom from attendance at classes and from the routine of detailed assignments. Each honors student works very much on his own initiative, under the advice and guidance of members of the staff. The arrangement permits greater opportunity for collateral reading than does the usual practice, and is designed to encourage originality, intellectual courage, and self-reliance.

A Record of Continuous News Service for Over Fifty Years



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

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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PARTING SHOTS

COMMENCEMENT advice is a drug on the market. It makes up the greater part of every baccalaureate sermon, every Commencement address. It seems almost as if the colleges, perhaps a bit conscience-stricken, with a nod of condescension in the ecclesiastical direction, attempt to make up in two or three perennial June speeches for the lack of ethical training in the curriculum of the previous four years.

The 1932 graduate has need of encouragement. The convulsions of a top-heavy economic system have created an apparently bottomless pit into which all the new Bachelors of Science are being ceremoniously dumped, to struggle and fight their way out as best they may. The stories that we used to hear of the Technology Seniors who had three or four jobs to pick from, back in the halcyon days of '27 and '28, have come to sound on the cynical ears of '32 like the jokes of some cruel sultan in a modern Arabian Nights tale.

A college newspaper editor is even less competent than the average Commencement speaker to give advice and counsel. He can, perhaps, give encouragement. In spite of the bleak appearance that the economic world is now assuming, the 1932 graduate will, eventually, obtain work; and, in most cases, it will be work for which he is fitted and in which he will be happy. The value of the Technology training will not be lessened appreciably by the lack of immediate opportunity for applying it.

Perhaps it is not too much to hope that Technology's 1932 graduates will eventually play some part in establishing stability. Mr. Stuart Chase's dream of the omniscient and omnipotent engineer will probably never be fulfilled; but that is no reason why Technology's graduates should stick to engineering only, and eschew all other fields of endeavor.

THE PERENNIAL REST

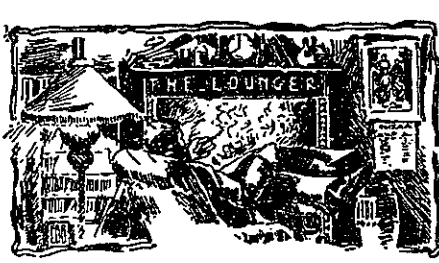
BY all the rules of nature, summer comes but once a year; so Technology men have but one long vacation annually. Classes end, exams come, exams go, and summer is with us. Work is laid aside, and we hurry off. Some go to summer jobs, some to golf and tennis, some to mountains and hiking, others to beaches and swimming, and, alas, some to summer school.

Summer is a great season: it gives us relaxation from what we like to call the serious work of study, it lets a man go to bed early, it gives us a chance to get away from Boston — not that we don't like Mayor Curley's town — and it gives a chance to make good resolutions. It's a long time till September 26, and much will happen between now and then, but let's not take it too seriously; there's time enough for that next fall.

PLUS OR MINUS

MATHEMATICIANS have a pretty little symbol indicating that what follows is to be added to or subtracted from what has gone before. Now that Commencement is here, it may be well to consider this little symbol in relation to what is to follow after graduation.

During four years of undergraduate life a man builds up a character which he takes with him and either builds up or tears down by his conduct during life. The current business recession is a period of great stress and the men who experience it are either strengthened or weakened by their conduct. Those who steadfastly hold to their standards are strengthened; those who succumb to the temptation to deviate from their principles are weakened. What happens to us depends on us alone. Shall it be a plus interpretation or a minus interpretation that is given to what comes after graduation?



The Lounger comes crawling out of his idleness, enforced by such minor pursuits as winding up courses, completing theses, passing finals and cabbaging degrees, to sing his last long and lovely swan song. Senior Week with its half-sentimental, half-derisive note is nearing its close. The band of loyal ones who kicked in a good substantial sum for a launch ride topped by two sandwiches, a piece of cake, an apple, potato chips, and a pail of near (not even close) beer certainly displayed a hand of unquestionable loyalty. But in passing the Institute the good old buildings got what Professor "Magnetic" Magoun calls "the nasal salute." (Thumbs to nose and fingers in s. h. m. oscillation.)

The picnic started on its way delightfully uncertain as to its destination or reception. In fact, were it known to the few island inhabitants, that the sun-burned, bottle-killing crew of swagger, swash-buckling, mad men were from Technology, landing would have been resisted with fire, sound and dead fish. With true Machiavelian duplicity, the sea-faring engineers captured the lovely wave-washed islet by strategy. Dancing out across the harbor at periodic intervals (is that redundant) went the long "harvard" cheer, followed by the treble "glee club's." The unsuspecting inhabitants swallowed the wooden horse, hook, line and sinker (if the Lounger be allowed to mix Isaac Walton with Ulysses).

Word went ahead, so the Lounger is convinced, that the engineers were on the move. Swinging into line about the picnic boats was a long gray line of efficient coast guard destroyers, as the convoy headed seaward. Some of the picnickers showing the attitude of the small boy sticking out his tongue behind the burley policeman's back, staggered and swayed as they held their bottles of fire water into the sea wind and taunted the coast guards. The latter won the skirmish in the Lounger's opinion as a rough tar yelled from the destroyer's galley, "Do youse guys wear pants?"

To the boys who went expecting a cheap drunk, the committee's far away beer was a kick diametrically opposite the lap. Poor Howie, he moaned his way homeward because he was hot, cold sober and broke — and that is a hellofasituation at yaleorany-otherplace.

The only redeeming feature was Louis' carelessness with a lighted cigarette (heh! heh! heh!) This resulted in a fire as a deserted shack blossomed in a searching twisty bloom of fire.

The fire caused a precipitate departure from the island, but the boys saluted the fire boat as they passed in mid harbor — so no bad feelings were apparent.

The Lounger may be hypercritical and whoinell has a better right, but the talks at the banquet from toastmaster to principal address were completely louse-infested. Every man rose with an apology or else opened his mouth only to plant his traditional pedal extremity into it — and some did both. Only the Stein Song in full volume at the close snatched the affair out of the fire. So goes the course of Senior Week, half-solemn, half ridiculous; like a clown dancing at a funeral.

A new one was resolved to the Lounger's myopic gaze. Since both fish and meat dinners were to be served, the waiter hopped around gathering the necessary information. To all inquirers regarding the shape, nature and general description of the fish, they were as close-mouthed as Mayor Walker at the Seabury investigation. All the meat courses were served, and then after this figurative combustion of bridges was established, in came the fish — boiled live lobster! Heh, heh, heh.

It was a real finish to a hot, mad career to finally corral the old degree. One man went nearly ten days without regular sleep. Lounger's clothes were on his back from Monday to late Wednesday night — no sleep and irregular food. Night and day blended into a hideous nightmare of time lost, time devoured, time fleeting. Only the dawns, cozy and glorious in their promise of life compensated. A real climax.

The game is nearly over. Baccalaurea te the summer gaiety of the tea dance, the tense, sad solemnity of the conferring of degrees, then the lost, joyous riot of revelry of the Senior Prom and the curtain is lowered.

Friendships are severed, many of them never to be renewed.

Only memories remain of the contests on fields, in activity offices, and at lonely midnight study desks.

Victories there are, too few; defeats, some bitter.

The lost titanic struggle to meet the requirements for the degree still leaves its mark in their poor and hollow eyes.

The Seniors of Technology are going.

The men who are left have a serious problem. Technology administrators are forgetting that men, not buildings nor organizations have made Tech great. During the four years that the Lounger has watched Technology life through the medium of the reporter, he has seen the trend clearly marked. To recite only a few instances:

Circus was abolished, re-established as a carnival, then died and was reborn only after a two-year struggle.

The stupid intervention of the authorities in the dorms; starting with the affair of the cow and the proceeding to the lost riot — where all the trouble was caused by an over-officious fireman.

The Faculty pressure which has caused Pi Delta to drop *Filler Paper*.

The childlike treatment and indirect insult occasioned by the insistent demands

that the Walker lounges be kept in a glare of illumination.

There is work — long, hard, unpopular work — left to the men who stay. The Lounger wishes them luck, and more success than he experienced; but it's not the winning, it's the fighting. So again, here's luck.

Opposite the new Waldorf Astoria

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**The SHELTON**  
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When the Shelton opened (7 years ago) we began catering to college men and women. Gradually their patronage has increased; we feel safe in asserting that more students make the Shelton their New York home than at any club or other hotel. One reason for this is the free recreational features plus a desire to serve on the part of Shelton employees. Room rates have been greatly reduced. Rates from \$50 per month upward. A room from \$2.50 daily.

Club features (free to guests) are as follows: Swimming pool; completely equipped gymnasium; game rooms for bridge and backgammon; roof garden and solarium. Restaurant and cafeteria service at reasonable prices.

**Remember!!**

That the facilities of Walker Memorial are always at the disposal of the Alumni. We will see that you have a warm welcome whenever you return for a visit.

**Technology Dining Halls**

## EIGHT ACCORDED STRAIGHT "T" FOR FINE TRACK WORK

Receive Highest Athletic Honors Accorded By Institute As Year Closes

At the last meeting of the Athletic Association held before the close of the spring term, awards were made to men for their outstanding work in track. Eight men are to receive "Straight T's" at this time, and twenty-five men will be awarded the "aTa". These awards were formally announced at the track banquet held Saturday evening, May 28, at Warmuth's Restaurant, in Boston. All members of both the freshman and varsity track teams attended, and the speakers included Dr. Allan W. Rowe, Dr. John A. Rockwell, Track Coach Oscar F. Hedlund, and Field Coach Robert Bowie. C. Everett Coon '33 was elected captain of track for the coming year.

Following are the men receiving "Straight T's": Richard Bell, C. Everett Coon, John Jewett (Capt.), John E. Kearns, Robert Mann, Edgar M. Pierce, John A. Robertson, Walter Wrigley.

Those receiving the "aTa" are as follows: L. W. Bailey, J. C. Barrett, Richard Bell, Elley Clarke, C. E. Coon, G. K. Crosby, Rolf Dahl-Hansen, N. P. Green, C. F. Hill, L. P. Holladay, J. W. Jewett, J. E. Kearns, R. E. Mann, A. A. Mulliken, E. M. Pierce, T. N. Rimbach, J. A. Robertson, H. R. Schwarz, J. G. Smith, P. B. Walker, Max Winerman, Walter Wrigley, G. A. Danforth, F. M. Buresh.

William Sample was elected manager of

## SPECIAL COURSES IN TEXTILES OFFERED

Summer Course Will Begin On July 27

(Continued from page one)

Schwarz will lecture on the graphical interpretation of data, precision of measurements, report writing, presentation of data, theory of testing machine construction and operation, and the application of mathematics, as in nomographic charts, to research problems.

### Complete Laboratory Facilities

Students who desire to round out the above courses with laboratory experiments will find unusually complete facilities at the Institute. In the Textile Laboratory is a central station system of humidification and de-humidification which can be set for any desired conditions and automatically maintained constant over long periods of time. Additional equipment makes it possible to raise the humidity to high levels for special work. New machines are available with capacities ranging from one ounce to two thousand pounds, and which can be operated under a wide range of speeds and adjustments.

Complete equipment for the study of textiles in polarized light is provided, as well as for precise cross-sectioning, micro-projection at high magnifications, and photomicrography both stereoscopic and in natural color.

Cross Country for the 1932 season, and S. T. Leavitt, manager of track for the 1932-33 season, with Sophomore assistants J. B. Chapman, William Cross, and K. Holdom.

## Seniors Advised to Join Alumni Association for Mutual Benefits

Mr. Bradley Dewey '09, President, Points Out Assistance Group Offers

Mr. Bradley Dewey '09, president of the Alumni Association, today advised all graduating students to make immediate connection with the Alumni Association as a method of mutual benefit to them and to the Institute. In his statement he pointed out the facilities the association has in helping its members both in a business and social way. Mr. Bradley's communication is as follows:

"The attention of Seniors and Post Graduates of 1932 is called to the advantage to them and to the Institute of continuing relationship. Our Alumni Association, through its central headquarters and


the local clubs in the cities throughout the country, is in a position to be of service to the younger members, not only in a social way but also in a business way. The central Alumni office and the officers of the local clubs are in touch with the Placement Service of the Division of Industrial Cooperation, to which industry turns quite generally when in search of men with particular training and experience for positions open.

### Prompt Notice Urged

"The importance is urged of prompt notice to the Secretary of the Alumni Association, Professor C. E. Locke, in Room 3-225, of any business connection made upon graduation, and of subsequent changes of business or address.

"Desirability is stressed of early connection with local clubs. To facilitate this, inquiry at the Alumni office, Room 3-225, regarding the names and addresses of local club officers will be found helpful. Connection with the local clubs should prove of advantage in making acquaintances in a new locality and perhaps assist in securing satisfactory living quarters."

(Signed) BRADLEY DEWEY '09,  
President of Alumni Council.



**LYDIA LEE LUNCHEON**

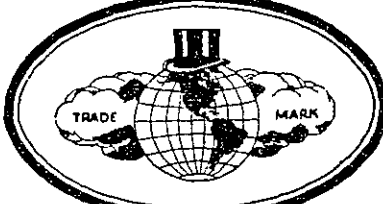
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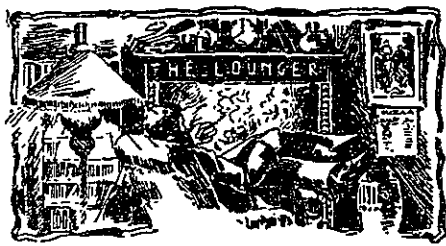
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In Charge of this Issue: H. H. Dow '35



The Lounger comes crawling out of his idleness, enforced by such minor pursuits as winding up courses, completing theses, passing finals and cabbaging degrees, to sing his last long and lovely swan song. Senior Week with its half-sentimental, half-derisive note is nearing its close. The band of loyal ones who kicked in a good substantial sum for a launch ride topped by two sandwiches, a piece of cake, an apple, potato chips, and a pail of near (not even close) beer certainly displayed a hand of unquestionable loyalty. But in passing the Institute the good old buildings got what Professor "Magnetic" Magoun calls "the nasal salute." (Thumbs to nose and fingers in s. h. m. oscillation.)

The picnic started on its way delightfully uncertain as to its destination or reception. In fact, were it known to the few island inhabitants, that the sun-burned, bottle-killing crew of swagger, swash-buckling, mad men were from Technology, landing would have been resisted with fire, sound and dead fish. With true Machiavelian duplicity, the sea-faring engineers captured the lovely wave-washed islet by strategy. Dancing out across the harbor at periodic intervals (is that redundant) went the long "harvard" cheer, followed by the treble "glee club's." The unsuspecting inhabitants swallowed the wooden horse, hook, line and sinker (if the Lounger be allowed to mix Isaac Walton with Ulysses).

Word went ahead, so the Lounger is convinced, that the engineers were on the move. Swinging into line about the picnic boats was a long gray line of efficient coast guard destroyers, as the convoy headed seaward. Some of the picnickers showing the attitude of the small boy sticking out his tongue behind the burley policeman's back, staggered and swayed as they held their bottles of fire water into the sea wind and taunted the coast guards. The latter won the skirmish in the Lounger's opinion as a rough tar yelled from the destroyer's galley, "Do youse guys wear pants?"

To the boys who went expecting a cheap drunk, the committee's far away beer was a kick diametrically opposite the lap. Poor Howie, he moaned his way homeward because he was hot, cold sober and broke — and that is a hellofasituation at yaleorany- otherplace.

The only redeeming feature was Louis' carelessness with a lighted cigarette (heh! heh! heh!) This resulted in a fire as a deserted shack blossomed in a searching twisty bloom of fire.

The fire caused a precipitate departure from the island, but the boys saluted the fire boat as they passed in mid harbor — so no bad feelings were apparent.

The Lounger may be hypercritical and whoinell has a better right, but the talks at the banquet from toastmaster to principal address were completely louse-infested. Every man rose with an apology or else opened his mouth only to plant his traditional pedal extremity into it — and some did both. Only the Stein Song in full volume at the close snatched the affair out of the fire. So goes the course of Senior Week, half-solemn, half ridiculous; like a clown dancing at a funeral.

A new one was resolved to the Lounger's myopic gaze. Since both fish and meat dinners were to be served, the waiter hopped around gathering the necessary information. To all inquirers regarding the shape, nature and general description of the fish, they were as close-mouthed as Mayor Walker at the Seabury investigation. All the meat courses were served, and then after this figurative combustion of bridges was established, in came the fish — boiled live lobster! Heh, heh, heh.

It was a real finish to a hot, mad career to finally corral the old degree. One man went nearly ten days without regular sleep. Lounger's clothes were on his back from Monday to late Wednesday night — no sleep and irregular food. Night and day blended into a hideous nightmare of time lost, time devoured, time fleeting. Only the dawns, cozy and glorious in their promise of life compensated. A real climax.

The game is nearly over. Baccalaureate the summer gaiety of the tea dance, the tense, sad solemnity of the conferring of degrees, then the lost, joyous riot of revelry of the Senior Prom and the curtain is lowered.

Friendships are severed, many of them never to be renewed.

Only memories remain of the contests on fields, in activity offices, and at lonely midnight study desks.

Victories there are, too few; defeats, some bitter.

The lost titanic struggle to meet the requirements for the degree still leaves its mark in their poor and hollow eyes.

The Seniors of Technology are going.

The men who are left have a serious problem. Technology administrators are forgetting that men, not buildings nor organizations have made Tech great. During the four years that the Lounger has watched Technology life through the medium of the reporter, he has seen the trend clearly marked. To recite only a few instances:

Circus was abolished, re-established as a carnival, then died and was reborn only after a two-year struggle.

The stupid intervention of the authorities in the dorms; starting with the affair of the cow and the proceeding to the lost riot — where all the trouble was caused by an over-officious fireman.

The Faculty pressure which has caused Pi Delta to drop *Filler Paper*.

The childlike treatment and indirect insult occasioned by the insistent demands

that the Walker lounges be kept in a glare of illumination.

There is work — long, hard, unpopular work — left to the men who stay. The Lounger wishes them luck, and more success than he experienced; but it's not the winning, it's the fighting. So again, here's luck.

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When the Shelton opened (7 years ago) we began catering to college men and women. Gradually their patronage has increased; we feel safe in asserting that more students make the Shelton their New York home than at any club or other hotel. One reason for this is the free recreational features plus a desire to serve on the part of Shelton employees. Room rates have been greatly reduced. Rates from \$50 per month upward. A room from \$2.50 daily.

Club features (free to guests) are as follows: Swimming pool; completely equipped gymnasium; game rooms for bridge and backgammon; roof garden and solarium. Restaurant and cafeteria service at reasonable prices.

PARTING SHOTS

COMMENCEMENT advice is a drug on the market. It makes up the greater part of every baccalaureate sermon, every Commencement address. It seems almost as if the colleges, perhaps a bit conscience-stricken, with a nod of condescension in the ecclesiastical direction, attempt to make up in two or three perennial June speeches for the lack of ethical training in the curriculum of the previous four years.

The 1932 graduate has need of encouragement. The convulsions of a top-heavy economic system have created an apparently bottomless pit into which all the new Bachelors of Science are being ceremoniously dumped, to struggle and fight their way out as best they may. The stories that we used to hear of the Technology Seniors who had three or four jobs to pick from, back in the halcyon days of '27 and '28, have come to sound on the cynical ears of '32 like the jokes of some cruel sultan in a modern Arabian Nights tale.

A college newspaper editor is even less competent than the average Commencement speaker to give advice and counsel. He can, perhaps, give encouragement. In spite of the bleak appearance that the economic world is now assuming, the 1932 graduate will, eventually, obtain work; and, in most cases, it will be work for which he is fitted and in which he will be happy. The value of the Technology training will not be lessened appreciably by the lack of immediate opportunity for applying it.

Perhaps it is not too much to hope that Technology's 1932 graduates will eventually play some part in establishing stability. Mr. Stuart Chase's dream of the omniscient and omnipotent engineer will probably never be fulfilled; but that is no reason why Technology's graduates should stick to engineering only, and eschew all other fields of endeavor.

THE PERENNIAL REST

BY all the rules of nature, summer comes but once a year; so Technology men have but one long vacation annually. Classes end, exams come, exams go, and summer is with us. Work is laid aside, and we hurry off. Some go to summer jobs, some to golf and tennis, some to mountains and hiking, others to beaches and swimming, and, alas, some to summer school.

Summer is a great season: it gives us relaxation from what we like to call the serious work of study, it lets a man go to bed early, it gives us a chance to get away from Boston — not that we don't like Mayor Curley's town — and it gives a chance to make good resolutions. It's a long time till September 26, and much will happen between now and then, but let's not take it too seriously; there's time enough for that next fall.

PLUS OR MINUS

MATHEMATICIANS have a pretty little symbol indicating that what follows is to be added to or subtracted from what has gone before. Now that Commencement is here, it may be well to consider this little symbol in relation to what is to follow after graduation.

During four years of undergraduate life a man builds up a character which he takes with him and either builds up or tears down by his conduct during life. The current business recession is a period of great stress and the men who experience it are either strengthened or weakened by their conduct. Those who steadfastly hold to their standards are strengthened; those who succumb to the temptation to deviate from their principles are weakened. What happens to us depends on us alone. Shall it be a plus interpretation or a minus interpretation that is given to what comes after graduation?

Remember!!

That the facilities of Walker Memorial are always at the disposal of the Alumni. We will see that you have a warm welcome whenever you return for a visit.

Technology Dining Halls

## EIGHT ACCORDED STRAIGHT "T" FOR FINE TRACK WORK

Receive Highest Athletic Honors Accorded By Institute As Year Closes

At the last meeting of the Athletic Association held before the close of the spring term, awards were made to men for their outstanding work in track. Eight men are to receive "Straight T's" at this time, and twenty-five men will be awarded the "aTa".

These awards were formally announced at the track banquet held Saturday evening, May 28, at Warmuth's Restaurant, in Boston. All members of both the freshman and varsity track teams attended, and the speakers included Dr. Allan W. Rowe, Dr. John A. Rockwell, Track Coach Oscar P. Hedlund, and Field Coach Robert Bowie. C. Everett Coon '33 was elected captain of track for the coming year.

Following are the men receiving "Straight T's": Richard Bell, C. Everett Coon, John Jewett (Capt.), John E. Kearns, Robert Mann, Edgar M. Pierce, John A. Robertson, Walter Wrigley.

Those receiving the "aTa" are as follows: L. W. Bailey, J. C. Barrett, Richard Bell, Ellery Clarke, C. E. Coon, G. K. Crosley, Rolf Dahl-Hansen, N. P. Green, C. F. Hill, L. P. Holladay, J. W. Jewett, J. E. Kearns, R. E. Mann, A. A. Mulliken, E. M. Pierce, T. N. Rimbach, J. A. Robertson, H. R. Schwarz, J. G. Smith, P. B. Walker, Max Winerman, Walter Wrigley, G. A. Danforth, F. M. Buresh.

William Sample was elected manager of

## SPECIAL COURSES IN TEXTILES OFFERED

Summer Course Will Begin On July 27

(Continued from page one)

Schwarz will lecture on the graphical interpretation of data, precision of measurements, report writing, presentation of data, theory of testing machine construction and operation, and the application of mathematics, as in nomographic charts, to research problems.

### Complete Laboratory Facilities

Students who desire to round out the above courses with laboratory experiments will find unusually complete facilities at the Institute. In the Textile Laboratory is a central station system of humidification and de-humidification which can be set for any desired conditions and automatically maintained constant over long periods of time. Additional equipment makes it possible to raise the humidity to high levels for special work. New machines are available with capacities ranging from one ounce to two thousand pounds, and which can be operated under a wide range of speeds and adjustments.

Complete equipment for the study of textiles in polarized light is provided, as well as for precise cross-sectioning, micro-projection at high magnifications, and photomicrography both stereoscopic and in natural color.

Cross Country for the 1932 season, and S. T. Leavitt, manager of track for the 1932-33 season, with Sophomore assistants J. B. Chapman, William Cross, and K. Holdom.

## Seniors Advised to Join Alumni Association for Mutual Benefits

Mr. Bradley Dewey '09, President, Points Out Assistance Group Offers

Mr. Bradley Dewey '09, president of the Alumni Association, today advised all graduating students to make immediate connection with the Alumni Association as a method of mutual benefit to them and to the Institute. In his statement he pointed out the facilities the association has in helping its members both in a business and social way. Mr. Bradley's communication is as follows:

"The attention of Seniors and Post Graduates of 1932 is called to the advantage to them and to the Institute of continuing relationship. Our Alumni Association, through its central headquarters and


the local clubs in the cities throughout the country, is in a position to be of service to the younger members, not only in a social way but also in a business way. The central Alumni office and the officers of the local clubs are in touch with the Placement Service of the Division of Industrial Cooperation, to which industry turns quite generally when in search of men with particular training and experience for positions open.

### Prompt Notice Urged

"The importance is urged of prompt notice to the Secretary of the Alumni Association, Professor C. E. Locke, in Room 3-225, of any business connection made upon graduation, and of subsequent changes of business or address.

"Desirability is stressed of early connection with local clubs. To facilitate this, inquiry at the Alumni office, Room 3-225, regarding the names and addresses of local club officers will be found helpful. Connection with the local clubs should prove of advantage in making acquaintances in a new locality and perhaps assist in securing satisfactory living quarters."

(Signed) BRADLEY DEWEY '09,  
President of Alumni Council.



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## EIGHT APPOINTED HONORARY FELLOWS

Eleven Fellowships And Six Special Prizes Announced At Commencement

(Continued from page one)

work leading to the Doctor's or the Master's Degree.

The Malcolm Cotton Brown Fellowship: Jacob Millman, of the department of Physics.

The DuPont Fellowships: Robert Baylor Semple, of the department of Chemical Engineering; John George Trump, of the department of Electrical Engineering.

The James Savage Fellowship: Edwin Richard Gilliland, of the department of Chemical Engineering.

The Sloan Automotive Engineering Fellowship: John Philip Elting, of the department of Physics.

The Susan H. Swett Fellowship: Noland Poffenberger, of the department of Chemistry.

Fellowships in Business and Engineering Administration:

The Lamont DuPont Fellowship: Herman Paul Meissner.

The Francis Wright Fabyan Fellowship: Herbert Spencer Gardner, Jr.

The Charles Hayden Fellowship: Everard Mason Lester.

The John Russell Macomber Fellowship: Joseph Benjamin Birdsell.

The Charles Augustus Stone Fellowship: Edgar Marvin Hawkins, Jr.

### Recipients of Prizes

In addition to Fellowships the following special prizes have been awarded:

Chamberlin Prize, Henry Abbot Lawrence; F. W. Chandler First Prize, William Howard Knowles; F. W. Chandler Third Prize, Montgomery Ferar; Boston Society of Architects First Prize, Nathan Hertz Juran; The Hunneman Prize (awarded for outstanding originality in the field of Chemical Engineering), Robert Baylor Semple; American Bureau of Shipping Prize (awarded for highest scholarship during the last two years of the Course in Naval Architecture and Marine Engineering, Eugene Porter Worthen.

## AWARD DEGREES AT EXERCISES TODAY

President's Reception Set For This Afternoon in Walker Memorial at 3.30

(Continued on page one)

the stage from the rear and took their places behind and on both sides of the rostrum.

### Macomber Leads Procession

At the head of the procession was Alexander Macomber, who long has held the position of chief marshal at Technology graduations. Then came the guests of honor led by President Karl T. Compton, who escorted Sir Henry Thornton, the Commencement speaker. They were followed by Dr. Vannevar Bush, vice-president of the Institute, and the Rev. Sidney Lovett of Mount Vernon Church, who made the invocation.

Members of the Corporation of the Institute had as their marshal Mr. Walter Humphreys, secretary of the Corporation. Dr. Samuel C. Prescott was marshal of the twelve members of the Class of 1882, which as the fifty-year class, had a place of honor in the academic procession.

Members of the Faculty were led by their marshal, Professor George E. Russell. Professor Jesse J. Eames was Faculty marshal of the graduates, and Dr. Goodwin was marshal of the recipients of the Doctor's degrees.

Following the Commencement address by Sir Henry Thornton, Lieutenant-Colonel Arthur administered the oath of office in the Reserve Officers Corps. Brigadier-General Hamilton then addressed the men who were about to receive their commissions. Commander Rossell spoke briefly in connection with the award of degrees to men who had completed the course in Naval Construction. The presentation of Reserve commissions was made by General Hamilton, and President Compton then made his address to the graduating class and advanced students.

The audience was invited to visit the Laboratories of the Institute this afternoon from 2 to 4 o'clock and to attend the President's Reception in the Walker Memorial from 3.30 to 5.30 o'clock.

## FOSSETT HEADS SENIOR USHERS

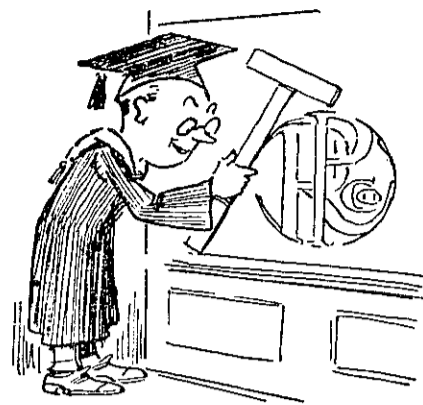
Following are the ushers for the Senior Week Events:

Class of 1933: Richard L. Fossett, Jr. (chief usher), Charles C. Bell, Roger P. Congdon, Walter R. Duncan, Cyrus S. Hapgood, Robert S. Holt, Wilber B. Huston, Robert M. Kimball, Richard S. Morse, Edward L. Wemple, and Beaumert H. Whitton. Also Misses Dorothy R. Jones '32, Helen F. Tucker, G., M. Elizabeth Killion, G., and Kathryn Sidersticker.

## '27 HOLDS FIRST REUNION OUTING

On the fifth anniversary of its graduation, the Class of 1927 held its first reunion, over the past weekend. The first event on the program was an inspection of Institute buildings. The new Physics and Chemistry Laboratories, the Aeronautics Building, the Gas Engine Laboratory and the Homberg Infirmary have all been built since the class finished, and were of especial interest to the graduates of 1927.

Following this tour through the buildings, the class proceeded by bus to the Mayflower Hotel at Manomet where the men spent the afternoon enjoying golf, tennis, baseball, and surf bathing. After dinner, a lively general discussion was held around a beach bonfire.



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The Course in Architecture is of five years' duration, and leads to the degree of Bachelor in Architecture. Five year Coöperative Courses in Electrical Engineering and Railroad Operation leading to the degrees of Bachelor of Science and Master of Science are also offered.

Graduate Courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy, Doctor of Science, and Doctor of Public Health are offered. The Courses leading to the degree of Master of Science include Coöperative Courses in Chemical Engineering Practice and Fuel and Gas Engineering.

The better high schools and other preparatory schools in the United States offer adequate preparation for the required entrance examinations given by the College Entrance Examination Board in June, or by the Institute in September.

Graduates of colleges or of scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding approximately to at least one year's work at the Institute, are admitted to such advanced standing as is warranted by their previous training, and are given credit for our required subjects, including the entrance requirements, so far as they have been satisfactorily completed.

The Summer Session extending from June to September includes most of the subjects given during the academic year and in addition special courses for teachers.

Any of the following publications will be sent free upon request:

Catalogue for the Academic Year (which includes the admission requirements).

Summer Session Catalogue.

Graduate Study and Research.

CORRESPONDENCE SHOULD BE ADDRESSED TO  
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# KEARNS AND BELL CONSIDERED AS STRONG OLYMPIC PROSPECTS

## WILL TRAVEL TO CALIFORNIA FOR I. C. A. A. A. MEET

Two Men In Each Event In I. C. 4-A Meet Become Olympic Entries

### YEAR'S WORK EXCELLENT

By HERBERT R. PLASS  
Sports Editor

Richard Bell '34, and John F. Kearns '32 have dominated the track situation at the Institute for the entire year, and have brought more honor and glory home to the Engineers than any two men in a long time.

Bell was the earliest starter in the season, although Kearns was putting in fine, steady work in cross-country. As early as the middle of last October, Coach Oscar Hedlund predicted that Bell would become an "evens" man, the first in the Institute, in track history.

#### Kearns Leading Harriers

Dick's start was made for the year, when he ran on the record-breaking Sophomore relay team, and put in one of the best "220's" he had ever done, and by far the best on the field that day. Shortly following Field Day, when varsity sports got under way, Jack Kearns started to show more than ordinary ability when he began to worry Don Gilman about his position as leader of the cross-country squad. In the four-cornered harrier race at Harvard, Kearns was the first man in on the Technology squad, leading Gilman by a short margin.

Again, at the Holy Cross meet, over the Franklin Field course, Gilman was passed by his teammate Kearns, and Jack was again the first Engineer home. The following week, Don Gilman, having benefited by a week's intensive training, led his pack home, and was followed by Kearns with some margin, to aid in taking second place for the Institute in the New England.

#### Kearns 38th in IC4A Run

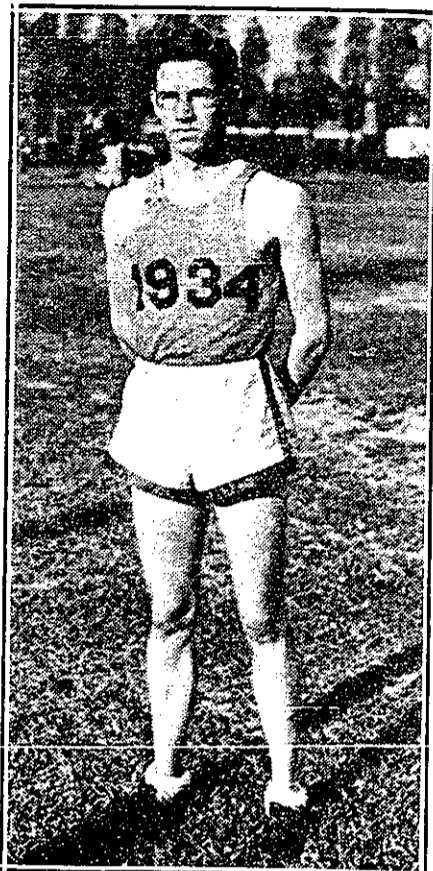
Another week later, the two Seniors had another duel for team honors in the IC4A run held in Van Cortlandt Park in New York City, against the stiffest competition to be found in the East. Gilman was suffering from poor training caused by his overload of activity work, and fell behind on the long course to third among the Beaver harriers, Charlie Hall following two places behind Kearns to be the second Institute man. Because of the high placing of the first five Institute runners in this run, the Engineers came higher among the fifteen odd colleges than they had for five years before, taking ninth place.

For his excellent work on the cross-country team, Kearns was awarded the "Straight T" at the close of the season.

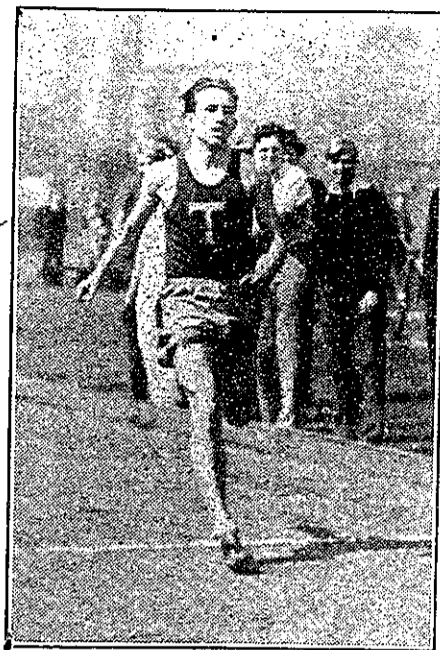
While Kearns was away most of the weekends, Bell was working out at home in the handicap, interclass, and fall informal meets which Coach Hedlund arranges throughout the year to keep the men in competition. His times were improving from month to month, and everything pointed toward an unusually successful season for him indoors during the winter.

#### Bell Breaks 50-Yard Record

Starting out the winter season on the boards, Bell went over to the Boston Garden for the K. of C. Games, and



DICK BELL '34



JACK KEARNS '32

Who in a single season has worked himself up from an unknown to a star two-miler and a likely contestant in the coming Olympics at Los Angeles.



THE BRIGGS TROPHY

trimmed the old Institute record in the 50-yard dash, cutting it down to 5 3-5 seconds, to take the first in the event. The next week, he went down to New York for the Millrose Games, and ran his heat of the 50-yard dash in 5.5 seconds, only to be beaten in the finals after several fine races.

About the middle of February, Bell went to the B.A.A. Games at the Boston Arena all primed to do up a better job than at New York, and he did. He became the New England Indoor 40-Yard Dash Champion in the afternoon, against the best of New England's sprinters, a field of some forty starters. His time for the afternoon race was 4 4-5 seconds.

#### Runs Third to World Champions

In the evening, he ran the same length race against Ira Singer, George Simpson, Bruder of the Newark A. C., J. J. Hayes and Hawes of Harvard, and an immense field of such world championship calibre, and came in third, after his gruelling afternoon. Only Singer, world record-holder in the 60-yard dash, and Simpson, holder of the world record in the 40-yard dash, were able to nose out Bell, in the finals. It was the greatest day's racing that the Sophomore had ever engaged in, and he was beaten in the evening in the time in which he had won in the afternoon.

## STRING OF BROKEN RECORDS ON TRAIL OF TWO ENGINEERS

Season's Work Better Than Any On Tech Field For Several Years

### BOTH IN TOP FORM

A week later, the Institute entered the University Club Meet, with Bell entered in the 50-yard dash. He went through the heats like a prairie fire, and took the final without any great difficulty, against a large field.

During this time, Kearns was having rather a poor spell, having finished the cross-country season with a bad leg. However, by the time that the winter interclass meet was looming up, he was again in rare form, and took the mile and a half without much pushing. Bell, on the advice of Coach Hedlund, stayed away from the field on this Saturday afternoon, in order to get a rest.

#### Both Set Records at N.E.I.C.A.A.

Track season came to a climax for both men at the same time at Providence on May 20-21, on the Brown Field. Bell settled his old score with Wilcox of Wesleyan by winning the century handily, and winning it in ten flat to set a new Institute record verifying Oscar Hedlund's predictions and by virtue of winning it, taking home the Major Briggs Trophy for the New England Century Champion. Kearns, who had transferred from Brown, saw one of his own records fall, when Brendon Moynahan, Boston College's crack miler, broke the field record to take the mile in 4:23:00, and not to be outdone, went out and clipped six seconds from the track record for the two mile, to win over a large field.

#### Bell and Kearns Go to California

Both men are still in rigid training, in preparation for the IC4A meet in California, this summer. Bell is entered in the hundred and the two-twenty, and Kearns, of course, in the two-mile. Kearns is ranked as one of the greatest of the country's distance runners this year, having made the second fastest time in the country during the year in the two-mile.

The first two men in each race at the IC4A meet this summer automatically become Olympic athletes, and the opinion is prevalent that both these men are high among the possibilities for the United States entries.

## GIRLS

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## The Greeks Had a Word for Them!

XZESPIO (born with wings)

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In the best families (or any others for the matter) that doesn't happen nowadays. Hence the United States Air Corps offers some attractive inducements to you college students for whom it has built a \$10,000,000 institution at San Antonio, Texas, where they teach you to fly and while you are learning:

Pay you a salary of \$75 per month. Pay your living expenses. Supply you (free, of course) with snappy, tailor-made, sky blue uniforms.

Grant you the social and military privileges of potential officers. Pay your traveling expenses from your home to the new field at San Antonio. 700 men are taken in each year. The course requires a year to complete and includes over 200 hours of solo flying. Those who stay the full year are commissioned as lieutenants in the Air Corps Reserve.

If you don't like the training you may resign at any time. For example:

Should you stay three months and then resign you will receive \$225 cash, your round trip expenses from your home to San Antonio, and about 50 hours of solo flying.

The service and associations of the Air Corps gives its members a very real distinction and a very noticeable breadth and poise.

If you have applied and are ready to go, we have compiled information and tips giving you inside angles and dope that will be invaluable when you arrive at the field. If you haven't applied yet, then by all means get our information. We tell you the entrance procedure and certain twists that make your getting in easier and quicker. The information written by men who have been through the school covers all points from beginning to end that you are interested in knowing. This information cannot be obtained elsewhere; it is complete. Nothing else to buy. The price is \$1 or sent C.O.D. if you desire.

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## INSTITUTE JOINS IN WORLD-WIDE STUDY OF COSMIC ENERGY

**Dr. Arthur H. Compton Leads Project To Establish Scientific Stations**

**COVERS SIX CONTINENTS**

**Two Technology Professors Will Cooperate In Obtaining Important Data**

The Massachusetts Institute of Technology will participate this summer in the world-wide survey of cosmic radiation to be undertaken under the auspices of the Carnegie Institute of Washington.

Cosmic radiation is the mysterious radiant energy which is continually falling upon the earth, and it is in an attempt to determine the origin and nature of this strange radiation that the survey is to be undertaken.

The project, which calls for the establishment of some twenty scientific stations on six continents and in every zone except the Antarctic, is under the direction of Dr. Arthur H. Compton, a brother of President Karl T. Compton of Technology.

**Professor Bennett Will Make Studies**

Dr. Ralph D. Bennett, associate professor of electrical measurements at Technology, with the cooperation of Dr. J. L. Dunham of Harvard University, will undertake cosmic radiation studies in Alaska, California and Colorado. Dr. Bennett made preliminary radiation studies in Colorado last year and since then he has developed a portable counting tube apparatus. It is planned to set up this instrument at high altitudes in the Rocky Mountains for measurements of the stopping power of different materials for the particles which actuate the counting tube. Dr. Bennett will leave Cambridge tonight to join his party in the west.

During the investigations measurements of cosmic radiation will be carried on continuously, day and night, over a long period to determine whether there is a diurnal variation. The survey will also make it possible to compare directly intensities of radiation at many points. These studies are expected to show definitely whether cosmic radiation is association with terrestrial locality.

**Professor Vallarta to Join Party**

Dr. Robert B. Brode of the University of California, and visiting professor of physics at Technology, will cooperate with Dr. Bennett and Dr. Dunham in measurements in the California mountains. In Colorado the party will have the assistance of Professor J. C. Stearns of the University of Denver. Professor M. S. Vallarta of the department of physics will join the party of Dr. Arthur H. Compton when it begins its investigations in the highlands of Mexico.

Dr. Compton's party will also make measurements in Hawaii, Australia, New Zealand, Peru, the Canal Zone, and in northern Canada in the vicinity of the north magnetic pole.

The Asiatic survey will be directed by Professor J. M. Benade of Lahore, who will make investigations in Ceylon, Java, and northern India. South African observations will be made by Professor S. M. Naude of the University of Cape Town. Dr. E. O. Wollan of the University of Chicago will go to Spitzbergen and other European points. Dr. Allen Carpe of New York lost his life recently in the beginning of the cosmic radiation survey at the head of the Muldrow Glacier on Mt. McKinley in Alaska.

**SIGMA NU WINS IN BOWLING**

The Interfraternity bowling tournament was won by Sigma Nu in a close and exciting final match with Beta Theta Pi. Possession of the bowling cup was forthwith transferred from Psi Delta to this year's winner. Permanent possession of the coveted trophy, which has proceeded from house to house for thirteen years, will not be decided until some one fraternity wins it three times. Delta Tau Delta and Delta Kappa Epsilon have each received the cup twice.

**ALL SENIORS**

Seniors who desire a photostat copy of their complete record at the Institute should leave an order at the Records Office, Room 3-106. There is a charge of \$1.00 for each photostat. These will be ready for delivery about the first of July.

## As We Like It

PLYMOUTH THEATER  
"Phantom Cargo"

A hot night on a tropical sea; a steam packet smuggling Chinese men and women into San Francisco for a west coast gangster; a bullying captain with an eye open for personal profits; a crew consisting of a weak-kneed mate, a stolid Swede, a cowardly cabin boy, a silent negro steward, a feeble radio operator; passengers as follows: Madame Casey and Honolulu Annie, two women moving to San Francisco for reasons best known to the police; the west coast gangster's representative, with a handbag full of stolen gems; two men accompanying Madame, an Americanized Chinaman named Lee, and one Whitey, who turns out to be a Federal Government agent.

Add to these some twenty-odd Chinese, who really do not count, since they spend all their time in the hold until it is time to throw them overboard, a few machine-gun shots and pistol duels, one or two knifings, and a series of coast guard messages arriving via the loud speaker in the ship's cabin, and you have the material out of which Richard B. Whorf and Neil Anders have fashioned "Phantom Cargo." It is unnecessary to say that this is melodrama of the most robust sort; but it should be hastily added that it is a play teeming with interest, with not a little competent acting, and deserving of a better fate than some of the more pretentious productions that Boston has seen.

With plots, cross-plots, and counterplots to keep the spectator interested, there is little time to notice the niceties of characterization. Richard B. Whorf as Buffy

Beretti, the ship's master and arch-villain of the play, gives an admirable performance. There are, in fact, no "good" people in "Phantom Cargo"; all are villains, or would turn into villains if there were not worse villains pointing guns at them.

"Phantom Cargo" is not recommended to the Ibsenists; but for those who can take their melodrama straight, and who are looking for an evening of high interest and excitement, it is unbeatable.

R. J. D.

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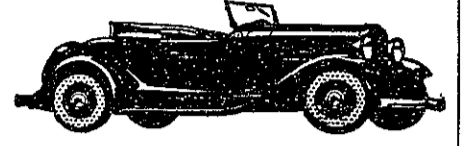
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## WILLYS-OVERLAND

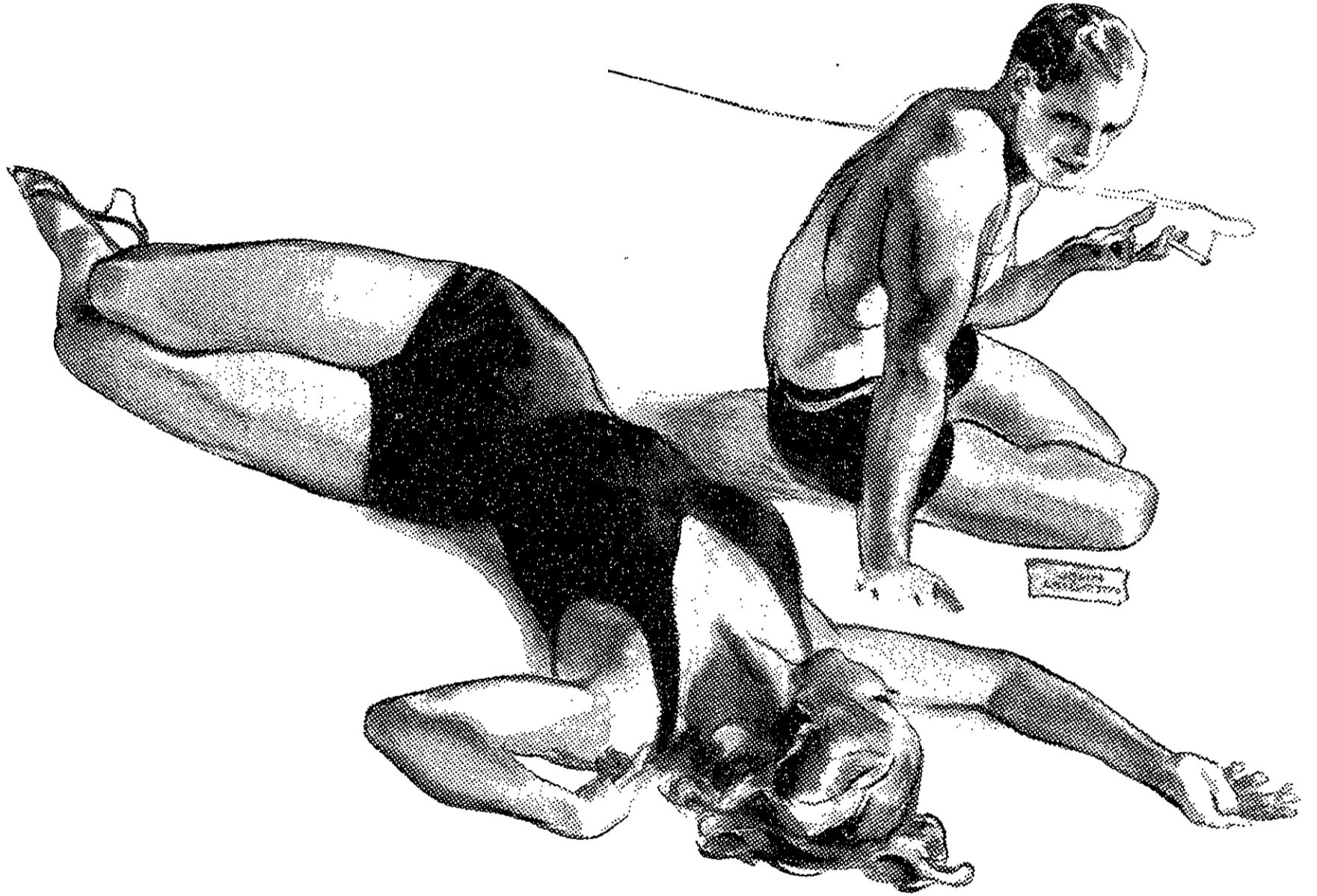


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