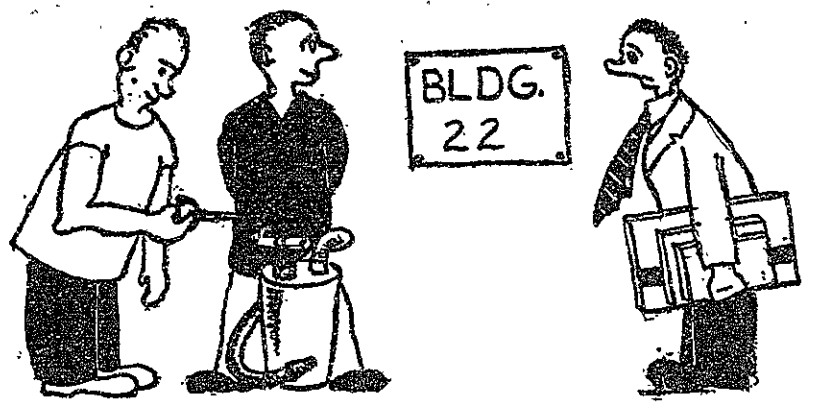
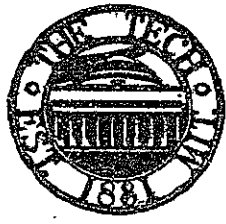


The Tech



No. LXIX, No. 31

CAMBRIDGE, MASS., FRIDAY, SEPTEMBER 16, 1949

PRICE FIVE CENTS

550 FROSH OFF TO CAMP TODAY

Freshmen, Sophomores To Battle October 29 For Field Day Honors

One of the first big events awaiting the Class of '53 is Field Day, in which the freshmen will be pitted against the sophomores on the athletic field to fight for their class honor. This Tech institution, which has been held annually since 1901, will take place this year on Saturday, October 29.

Field Day's athletic phase will consist of a football game, swimming meet, crew race, relay race, and tug-of-war. Following these events comes the glove fight, in which the entire freshman and sophomore classes gather on Briggs Field and battle to capture each other's gloves.

Big Dance Climaxes Day

Points are awarded to the winners of each event, with the class having the higher total score declared the winner. The day will then be climaxed by a big dance in Walker Memorial which will restore peaceful relations between the two classes.

The freshmen will be coached and aided in preparing for Field Day by the junior class, which upset the class of '50 while freshmen, and then repeated last year with a victory over '52. The senior class will act as advisors to the sophs. Since the inception of the event, 36 Field Days have been won by sophomores, and 13 by freshmen.

Sign Up at Frosh Weekend

Coaches and advisors for all Field Day events will be present at Freshman Weekend to supply more details and sign up prospective members of the freshman squads. Needless to say, large turnouts for all squads will be necessary to give the freshmen any chance for victory; even if you are not a Glenn Davis or Joe Verdeur, your Field Day Squad can still use you.

Needless to say time is short and it behooves all freshmen to buckle down right now this weekend and get signed up for at least one event. As one might surmise there is an underlying cause for winning on Field Day. When registering, all freshmen are sold freshman ties and are required to commence wearing them. If the freshmen should win Field Day they no longer are required to wear them; otherwise they must be worn until Christmas.

'The Tech' Tries To Wise Up Frosh On Local Scene

By FRED VANDERSCHMIDT

It has come to our attention that colleges throughout the nation are slowly but surely reverting back to the coon-skin coat and hip flask era. The pendulum has swung, and now it is presumed to be heading (velocity as yet low, acceleration high, we take it) back to the days of a more "liberal" education. Although it can hardly be said that M.I.T. ever swung very far towards the coon-skin coat type of learning, the trend is certain to show up. No longer will the staunch veterans provide their moderating influence on the more volatile spirits of the class; the days of the GI bill, the disorganized class, and the V-12'ers are gone.

Stable Class

The class of '53, in the eyes of the registrar, is the first class for about ten years to be stabilized to pre-war enrollment (700). Its average age will be (horrors!) a modest seventeen or eighteen. All of which brings on in us an uncontrollable urge to give some fatherly, or at least big-brotherly advice to you Freshmen. Hurrumph . . .

1. It is against the law to either drink or buy liquor in Massachusetts unless you are 21. We therefore advise you if you are somewhat rosy-cheeked looking to obtain some sort of forged document raising your age to the necessary level. The light is bad in most bars, and ink eradicator is cheap.

2. Do not believe all the stories you hear about Professor Wiener. Only about half of them are true.

3. Remember! If your eyesight is at all poor, or you can find any infinitesimal irregularities in your health (even hay fever) you have a pretty good chance of getting out of military science. Don't wait, see the doctor now!

4. Ignore the first chapter of Phillips.

5. If anyone approaches you selling passes to ride the Building 10

(Continued on Page 2)

Unique Advisor Program Aims At Class Unity

Juniors Will Serve As Orientation Councillors For Entering Men

Fulfilling a long desired need in our student organization, the Institute Committee, in cooperation with the Junior Class will inaugurate a program designed to provide help of an advisory nature to members of the freshman class. One of the primary objectives of this project will be to further the orientation provided at Freshman Camp.

This will be accomplished by providing each freshman with an advisor who is a member of the Junior class. It is hoped that closer cooperation can be achieved among the members of the class of '53, by helping these men realize that the differences between themselves and students with other living affiliations are non-existent.

Particular attention is being paid to commuters, for participation by that particular group of people in our extra-curricular organizations is at a relatively low level.

Assistance will be given on matters pertaining to the preliminary difficulties encountered during the first few weeks at Technology. Questions relating to curriculum or similar matters will be answered by a member of the faculty and the advisor will refer the student to a competent authority. In this way a new student will receive the direct benefits of the advisors' two years of experience at Technology.

Next week a meeting of those people selected to assist in this program will be held, and their exact duties and responsibilities will be thoroughly explained to them by a group of students and Institute personnel.

One Wing Occupied In Hayden Library

Nov. 1 Tentative Date For Final Completion

Staff members of three Institute departments will start the term with new addresses in the north wing of the new Charles Hayden Memorial Library. The departments of Business and Engineering Administration, Economics, and English and History are firmly established on the second, third and fourth floors respectively.

It is still too early to tell exactly when the rest of the building will be ready for occupancy but Buildings and Power estimates place the date around October 1 for the first floor of the north wing and November 1 for the south wing and basement. Book stacks are the major item on the construction agenda for these parts of the building. No definite plans have been made as yet for a formal dedication.

A superabundance of light is the

(Continued on Page 3)

'The Tech' To Carry Calendar Of Events

Beginning in the Tuesday, September 27, issue of THE TECH, the Calendar of Events will be published every Tuesday throughout the school term. All notices appearing in the Calendar should be submitted at the News Service Office, Room 7-204, not later than noon on the preceding Thursday.

Tours, Addresses Mark New Freshman Weekend Program

This year's Freshman Camp, slightly different than the camp of preceding years, is an attempt on the part of the faculty and upper classmen to introduce freshmen to the Institute. The program includes academic, extracurricular, and sports activities. There will be counselors at the Weekend representing each of the undergraduate publications, all sports, and each of the clubs. Freshmen should have no difficulty finding the correct counselor with whom to discuss any activity in which he has an interest.

SOPH PRESIDENT

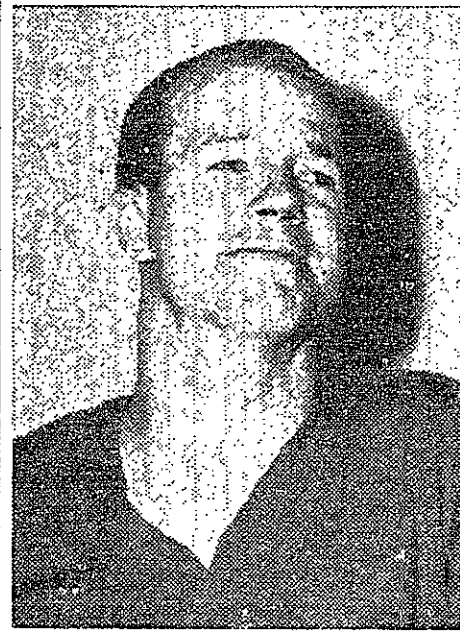


Photo by Honigsberg

Wanted! Wes Haywood, President of the Class of 1952, by the Class of 1953, for the purpose of dunking same at freshman weekend camp.

Round one of the traditional Sophomore-freshman rivalry will be held this weekend at Camp Wonderland when the Class of 1953 attempts to dunk in Lake Massapoag Wesley J. Haywood, President of the Class of 1952.

Wes, ready and willing to enter into the spirit of the thing, discloses that he usually wears glasses and likes to smoke a pipe but admits that he may show up at the frosh get-together in a disguise just to make it fair.

As Secretary-Treasurer of his class in his own freshman year, he was its nominal leader in all activities and one of its three representatives to the Institute Committee. He also belonged to several hobby groups including the Hobby Shop, Radio Society, and Model Railroad Club. Wes prepped at a technical school in Detroit before entering the service and now commutes from Belmont.

FRESHMAN WEEKEND

Friday, September 16

12:00 --- Busses arrive at Camp.
2:00 --- Athletic rally.
3:00 --- Athletic program and bull session.
6:00 --- Supper.
8:00 --- "Student Government."
8:30 --- "Field Day."
8:45 --- "Living Groups."

Saturday, September 17

8:45 --- Meeting at band stand— "Extra Curricular Act."
10:45 --- Activity leaders meeting.
11:30 --- Swim.
12:30 --- Lunch.
1:00 --- Athletic program.
3:00 --- Track meet.
4:00 --- Baseball game.
5:00 --- Swim.
6:00 --- Supper.
7:30 --- Evening meeting.

Sunday, September 18

8:30 --- Busses leave.
9:30 --- Busses arrive at Tech.
3:30 --- President's reception.

By the time the freshmen read this article they will already have seen much of the Institute and heard addresses by President Killian and the heads of several departments. This afternoon, at Camp Wonderland, they will be exposed to almost all the sports that Technology offers.

In all the popular sports there will be intramural competition coached by Mr. Geiger and his assistants. For those who do not go out for athletics there will be discussions in the library. At that time, the counselors will answer any questions that freshmen may have about Technology.

In the evening the freshmen will be introduced to the student government. Robert W. Mann, '50, president, will speak for a half hour explaining the structure and operation of the organization. Following Mann's talk there will be an explanation of Field Day by the Field Day Chairman. The evening will be completed by a discussion of "Living Groups," and moving pictures by Jack Wood, sailing master.

Saturday morning there will be several addresses concerning extra-curricular student activities, and meetings will be held with activity leaders. The afternoon will feature athletics. In the evening there will be entertainment with Gerry Burns, '51, presiding. The group will return to Cambridge Sunday morning so that those who wish may attend church.

Sunday afternoon, at 3:30 p.m., there will be a reception at Morris Hall in Walker Memorial. Five hundred and fifty students are expected to attend and nearly two hundred of them have indicated that at least one of their parents will accompany them.

The Tech Invites '53 to Smoker

Are you looking for an easy way to make friends around the Institute? Are you thinking of ways to spend your time after school hours, in relaxation from studies?

Watch for The Tech's Freshman Smoker. You are invited to come to Tyler Lounge (on the first floor of Walker Memorial) Thursday, September 29, at 5:00 p.m. and meet our staff.

If you look at our masthead, page 2, you will see that we have several departments. For those interested in writing there are news, assignments, features, exchange, and sports positions open. On the business side are treasury, advertising, circulation, and sales. Service departments are publicity, office, and personnel. Most of the pictures appearing in The Tech are taken by our photography staff.

Meet our staff and our special speaker September 29. Or come to our office, third floor of Walker Memorial, any Wednesday or Sunday after 5:00 p.m.

Harvard Bridge Repairs Start; Ancient Cobblestones Removed



Photo by Honigsberg

A view of the Boston end of the Harvard Bridge as workmen begin tearing up the ancient cobblestones in a half-million dollar project to modernize the span and prepare for construction of the Charles River Speedway on the Boston side. Closing of the bridge caused widespread traffic tieups throughout Boston and Cambridge.

The Tech

VOL. LXIX

FRIDAY, SEPTEMBER 16, 1949

NO. 31

Business—Room 325, Walker Memorial. Telephone KI rklamd 7-1881.
 Mail Subscription \$5.00 per year, \$2.50 for two years.
 Published every Tuesday and Friday during college year, except during college vacation.
 Entered as second class matter December 8, 1944, at the Post Office, at Boston, Mass.,
 under the Act of March 31, 1879.
 Represented for national advertising by National Advertising Service, Inc., College Pub-
 lishers Representative, 420 Madison Ave., New York, N. Y.

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'53, HERE'S TECHNOLOGY

For the next few weeks, probably, many of you will stop what you are doing for a moment to think, "Gosh, I'm going to the Massachusetts Institute of Technology," mentally repeating the name of your school in full. Some of you may have known for a long time that you were going to come here for your higher education, but unless the Class of '53 is a peculiar one, most of you have been surprised and even slightly thrilled at the idea of "getting in."

By now, you must be thoroughly immersed in free information on how to get along at your new school via the TCA Handbook, but there are some things not said in that publication that it might be well for you to learn before you settle down to the routine of study. Technology boasts one of the highest reputations among science and engineering schools and one of the highest tuitions among all colleges. The reputation is principally attributed to the graduate school and the research laboratories, although the undergraduate school is also top-rate; the tuition is not so restrictive. You may have already noticed a marked difference in attitude towards the students between the Institute and your secondary school. Technology has a fine disregard for your behavior and leaves the governing of your welfare to you as long as nothing you do sullies the good name of the school. In short, the Institute treats you like responsible adults, which is as it should be.

Dean Baker, who is the member of the administration designed to worry about student welfare, has said, "As far as I'm concerned, the only rule that ought to be necessary is, 'All students are expected to behave like gentlemen at all times.'" Indeed, as far as the administration is concerned, you may exercise all your petty vices freely as long as you do so in private; the Institute is not going to act as mother and father to you, but it does have a reputation of academic dignity to maintain.

A rule which you will be informed about by means of posters on the bulletin boards shortly before Field Day is one prohibiting participation in unauthorized demonstrations away from school. This edict is chiefly aimed at curbing excursions to Harvard with welding torches, paint, or explosives with intent to commit vandalism. It is a strange phenomenon, but for some reason freshmen apparently get the impression that there is some kind of rivalry between the two Cambridge schools. The truth is there is no such rivalry, and Harvard men refuse to respond to any Technology efforts to start one. Do not think, freshman, that your scheme for arousing Harvard to an inter-school fracas can succeed; over the years, some of the best young technical minds in the country have bent their efforts in that direction and have reaped only disciplinary action for themselves.

Advice to Frosh

(Continued from Page 1)

elevator, copies of The Tech's Open House issue and the like, tell them to wend their way. But be sure to get a battery; no Tech man would be caught dead without his battery.

6. Be sure to buy a Coop card. The Coop card entitles you to an eventual refund of about fourteen percent on all merchandise purchased there. The Coop is able to do this through the ingenious method of charging fourteen percent more on everything they sell.

7. Get the Walker habit. (I e.: regurgitating after every meal.)

8. Beware, beware, oh beware the subtle and winning blandishments of that infamous vendor of pornography, Voo Doo. Attend not,

by all means, its smoker. Maybe then we will get a decent seat ourselves.

9. Remember, there's always Cal Tech. We understand the girls are pretty in California, anyway.

You and M.I.T.

Well, we could go on indefinitely, but you'll have to learn the hard way like we did. You will learn about Wellesley dates, Jackie's dark, the strawberry shortcake at Durgin-Park, the screwy M.T.A. fare system, Washington St. on a Saturday night, those awful Wednesday and Friday mornings, the funny feeling in your throat when you see that little white report envelope in your mail box... and a million and one other things that make you M.I.T.

man about tech

by marvin c. grossman

a sign proclaiming "bridge under construction" brought us to a halt at the location usually assigned to that span erroneously called "harvard bridge." after listening to the seventy-five-pound jack hammers and clambering over towering piles of belgian cobblestones, the thought occurred to us that the sign should read "bridge under destruction." we had often wondered whether the bridge actually ever was completed, certainly not sufficiently enough to permit a car without oversize shock absorbers to pass over the roadway with ease.

further investigation led us to a rather short gentleman, who might have been a foreman, amid the pounding of the pneumatic hammers i queried, "what are you doing?" the laconic reply received was "working!"

finding no more information at the cambridge end i proceeded to the boston side and was directed to the office of eugene cummings, job supervisor. according to mr. cummings the span was first opened in 1891 and at that time traffic consisted of horse-drawn trolleys and other horse-powered vehicles. since then, a few reconstruction jobs have been done on the surface, but none in the past twenty years.

the half-million-dollar contract calls for removing the present cobblestones and wooden undercovering, also to be taken away are the trolley tracks, but these will not be replaced, after the bridge has been stripped down to the steel cross beams, it will be packed up on both sides to bring it to the level of the present abutments. then a steel mat will be welded to the beams. at the same time over one thousand loose rivets will be tightened. we were wondering who counted the loose rivets, but mr. cummings didn't seem to know.

concrete will be poured on the steel mat and when this has set a bituminous surfacing will be applied. the entire job, which should be done in less than three months, will also include a new sidewalk and sliding metal plates will replace the present roller bearings at one end of the thoroughfare.

this bridge is not the first project for gene. he has done similar construction on the canton bridge and had a hand rebuilding the charles river locks. a graduate of worcester state teachers college, he was headed for a history class when he made the decision that construction work would probably be more lucrative.

if anyone wants some well worn tracks or a few hundred cobblestones the mta could probably take care of you. as for gene, he intends to "use a few of the blocks to build myself a chimney this winter."

'49 SYMPHONY PLANS

The M.I.T. Symphony Orchestra, Klaus Liepman conducting, will hold its first rehearsal on Monday, September 19, at 8:30 p.m. in the Walker Memorial Building.

The program for the coming season will consist of concerts in Cambridge as well as in Wellesley and Mt. Holyoke.

On December 10 the orchestra will join forces with the combined M.I.T. Glee Clubs for a presentation of Handel's Messiah in Jordan Hall.

New Metals Lab. Donated by Sloan

A gift of \$1,000,000 from Alfred P. Sloan, Jr., Chairman of the Board of the General Motors Corporation, has been received by the Institute for the construction of a Metal Processing Laboratory.

According to Dr. Killian, this raises the total of gifts and grants-in-aid received by the Institute during the past year to \$5,100,000. Contributing industrial companies expect indirect returns through broadening the Institute's program of research and education.

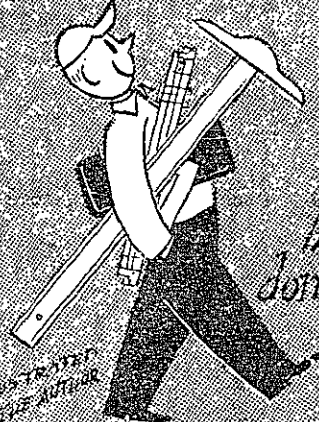
The concept of the new Metal Processing Laboratory has been developed in the belief that engineers who design any machine or apparatus should possess a knowledge both of the properties of metals and of their processing or fabrication.

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On the Board of Directors, the M.I.T. representatives are Ralph E. Freeman, Faculty Director, Harold E. Lobdell, Executive Vice President, Alumni Association, Walter Humphreys and Horace S. Ford, Secretary and Treasurer, respectively, of the M.I.T. Corporation and William C. Mitchell '49.

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Every TECH Man should become a member without delay. The Membership fee is one dollar.

PATRONAGE REFUNDS. For the fiscal year ending June 30th, 1950, a Patronage Refund upon cash purchases, or charge purchases to the member's personal account, has been voted at the rate of not less than 8% on charge purchases and 10% on cash. It is essential that members join early in order to hand in with purchases their ticket number to be credited toward their Patronage Refund.

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This action shot of Waldo Newcomber, '52, will give you some idea of the action that will take place on this year's Field Day. This particular game was won by the class of '51, a class that has twice been victorious in both their field days.

Hayden Library
(Continued from Page 1)
most noticeable feature of the offices and conference rooms now occupied. Large windows, glass doors, white stone and tiling contribute to the effect. The Languages Department will move in in the near future.
Furniture for the reading rooms

will consist of pieces specially designed for the library by the firm of Voorhees, Walker, Foley, and Smith. Examples of these tables, chairs, and study cubicles were on display in the Rotch Library last spring and the pieces are now on order. It is expected that they will be ready to install at the time the library construction is finished.

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The COOP

Eliassen Gains Professorship;
Six Others Obtain Appointments

Summer appointments of one professor, six assistant professors, and eight instructors in seven departments of the Institute were announced by Dr. James R. Killian Jr., president, on June 29 and July 12.

The recently appointed professor is Dr. Rolf Eliassen of the sanitary engineering branch of the department of civil engineering. Dr. Eliassen is in charge of all work in sanitary engineering which includes the graduate course in sanitary engineering as well as the extensive undergraduate work in the field given within the civil engineering course. He will also supervise a research program in the analysis purification, and disposal of industrial wastes, as well as studies in water supply contamination and purification.

Now a resident of Hohokus, New Jersey, Dr. Eliassen is a graduate of the Institute in the class of 1932. He also holds the M.S. and Sc. D. degrees from Technology. During the war, Dr. Eliassen was in charge of the sanitary engineering division of the second service command. He has become widely known for consulting work and publication in his field.

Dr. Whitehead, who comes to Cambridge from Brown University, holds S. B., S. M., and Ph. D. degrees in mathematics from the University of Chicago. Since 1941 he has been associated with Purdue University, Aberdeen Proving Ground, Princeton University, and Brown University.

Recently appointed instructors are Dr. Tom M. Apostol, Berkeley, California, mathematics; Gordon M. Bell, Vancouver, British Columbia, metallurgy; Robert H. Cannon, Toledo, Ohio, mechanical engineering; Dr. Earl A. Coddington, Washington, D. C., mathematics; William O. Cooley, Wilmar, California, me-

chanical engineering; James M. Ham, Toronto, Ontario, electrical engineering; Bernard W. Lindgren, Minneapolis, Minnesota, mathematics; and Dr. George Springer, Cambridge, mathematics.

The six assistant professors are Dr. Donald Boynton, Cambridge, chemical engineering; Philippus L. de Bruyn, George, South Africa, metallurgy; Nicholas Grossman, Boston, mechanical engineering; Melvin A. Herlin, Cambridge, physics; William M. Pease, Woburn, electrical engineering; and Dr. George W. Whitehead, Providence, Rhode Island, mathematics.

Dr. Boynton holds S.M. and Sc. D. degrees in chemical engineering from the Institute and has previously been associated with the Cambridge firm of A. D. Little, Inc., as a research engineer.

A native of South Africa, Professor de Bruyn holds an M. Sc. degree from the University of Stellenbosch, South Africa. He came to the Institute as a metallurgy laboratory assistant in 1946.

Professor Grossman, who has been at the Institute since 1944, was awarded an M.S. degree in mechanical engineering in 1946. Born in Budapest, Hungary, he received a B. S. degree from the Case Institute of Applied Science in 1942.

Professor Herlin, who will be associated with the Research Laboratory of Electronics at the Institute, was a member of the Radiation Laboratory staff from 1943 to 1945 and as a research associate in electrical engineering from 1945 to 1947. He holds a B. S. degree from the University of Utah.

A native of Rockland, Massachusetts, William M. Pease, new assistant professor in electrical engineering, holds both S. B. and S. M. degrees from the Institute and has been on its research staff since his graduation.

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Department Chief, Two Other Profs. Retired On July 1

**Mead, Geology Head,
Cowdry, Dietrichson,
Leave During Summer**

Three members of the faculty of the Institute retired July 1 after many years of service on the staff. They are Professor Warren J. Mead, head of the department of geology; Professor Irving H. Cowdry of the department of mechanical engineering; and Professor Gerhard Dietrichson of the department of chemistry.

Professor Mead, a resident of Belmont, has served as head of the department of geology since 1935. A native of Plymouth, Wisconsin, he graduated from the University of Wisconsin with a bachelor of science degree in 1906, master of arts in 1908 and received his Ph.D. in 1928.

Worked on Canal

Non-academic professional work engaged Dr. Mead in investigation into the causes of the slides of Culebra Cut for the Panama Canal

Commission in 1915; appointment by the late President Coolidge to the special board investigating the feasibility and selection of site for the Boulder Dam project; consultant for the Corps of Engineers, on approximately forty dam sites. Effective on his retirement, Dr. Mead had been appointed an honorary lecturer at the Institute.

Winner of Office Contest

Professor Cowdry, whose home is in Needham, retires after forty-four years as a teacher at the Institute. As associate professor of testing materials he is well known to generations of Technology students who have attended his classes in the Institute's Testing Materials Laboratory, and as a one-time winner of Voo Doo's messiest office contest.

Professor Cowdry has served the Institute since his graduation in 1905. He is a member of the American Society of Testing Materials, the American Society for Steel Treating, and the International Society of Testing Materials. He is author of a number of scientific papers in the publications of the American Society of Mechanical Engineers and the American So-

ciety of Testing Materials. He is also the author of a textbook "Materials Testing," with R. G. Adams.

Professor Dietrichson of Jamaica Plain retires after twenty-four years of service as a teacher. A native of Wisconsin and a graduate of the University of Wisconsin, he joined the staff as a research assistant in 1925 and became an associate professor of physical chemistry in 1941.

Developed Chem. Lab.

Following his graduation from the University of Minnesota in 1909, Professor Dietrichson taught at the University of Illinois and the University of Minnesota prior to joining the Institute where he played a large part in the development of the physical chemistry laboratory.

SOCCER RALLY

A soccer rally will be held on Wednesday, September 21, at 5:00 p.m. in Rockwell Cage. All men interested in either varsity or freshman soccer are invited to attend.

Campus Focal Point

WALKER MEMORIAL DINING SERVICE

OPERATED BY THE INSTITUTE

FOR TECH MEN AND THEIR FRIENDS

MORSS HALL

BREAKFAST 7:30 - 11:00 A.M.

LUNCHEON 11:00 - 2:00 P.M.

SUPPER 5:00 - 7:00 P.M.

PRITCHETT LOUNGE

11:00 A.M. - 12 MIDNIGHT

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