

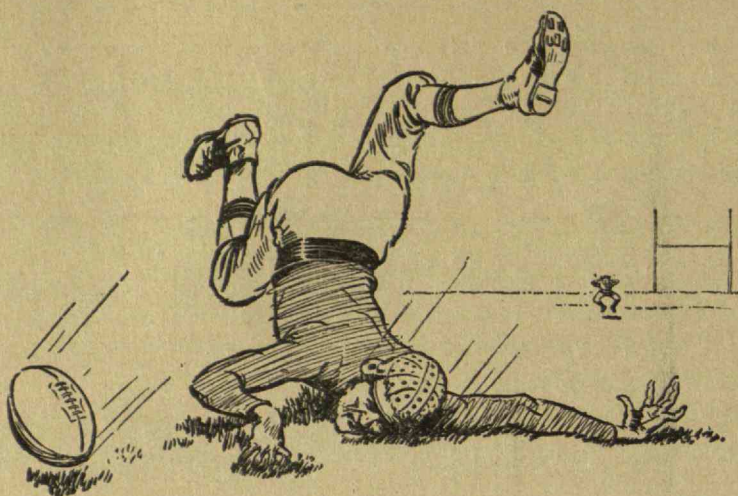
THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY



NOVEMBER
1 9 2 4

PUBLISHED BY THE ALUMNI ASSOCIATION



As a football player he's a good poet

LET'S admit that all men are not born for gridiron honors, just as all men are not born poets.

You can admire a man's grit for plugging away at the thing that comes hardest to him. He does derive benefit in developing himself where he is weakest. But to achieve real success it is only common wisdom to pick out the line for which you have a natural aptitude—and go to it.

Particularly if you are a freshman it may be useful to remind you of this principle, because it can help you start off on the right foot in both your campus activities and your college courses.

If your fingers love the feel of a pencil, why not obey that impulse and come out for the publications? You can serve Alma Mater and yourself better as a first-class editor than a third-class halfback.

Similarly, when it comes to electing your college courses, you will be happier and more efficient if you choose in accordance with your natural aptitude.

The world needs many types of men. Find your line, and your college course will be a preparation for a greater success.

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THE TECHNOLOGY REVIEW

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INSTITUTE OF TECHNOLOGY

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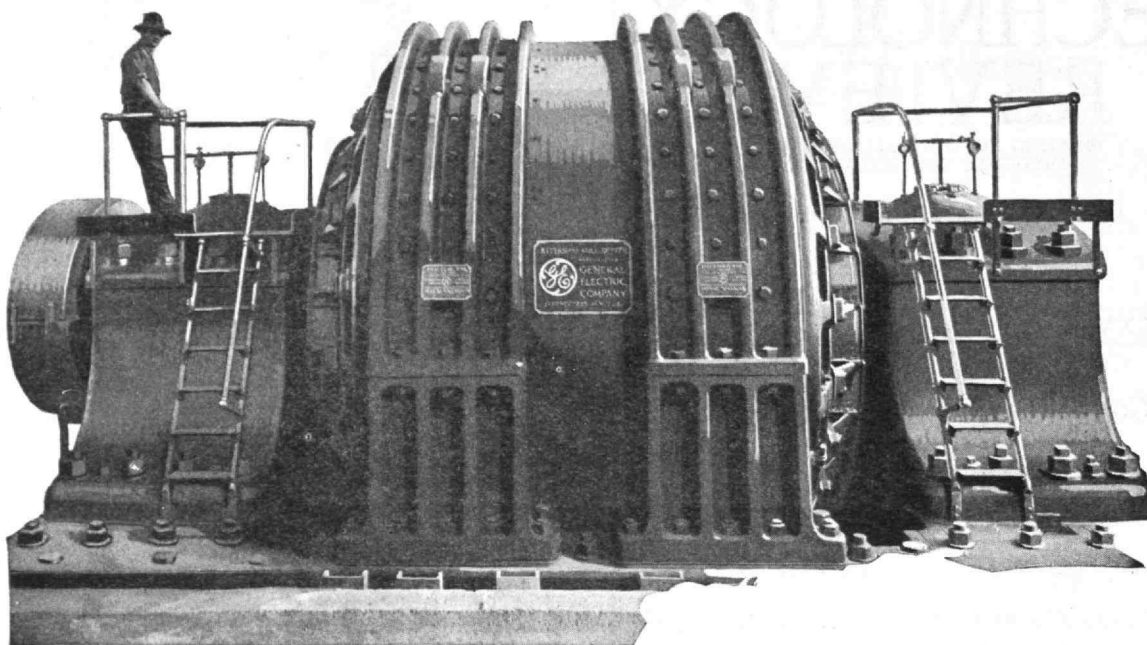
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Of Napoleon it was said that his presence on the battlefield was equivalent to 100,000 additional men. “The 100,000 man,” his enemies called him.

Napoleon dealt in death. Big General Electric motors, like the one in the picture, lift heavy loads off human shoulders, and contribute to the enrichment of life.

GENERAL ELECTRIC

THE TECHNOLOGY REVIEW

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The Past Months

A GAIN it is the duty of these columns to note the departure from the Institute of capable and liked professors. As announced at the fall meeting of the Corporation, four chairs will be vacant at the beginning of this fall term. Professors T. H. Dillon and F. S. Dellenbaugh, '21, of the Department of Electrical Engineering, A. E. Ferran of the Department of Architecture and E. H. Schell, '12, of the Department of Economics and Statistics are the men who are leaving their positions at the Institute for various reasons.

Professor Ferran has been in charge of Architectural Design at Technology for nearly three years. He has returned to France and will continue his instruction at Toulouse. Succeeding him is Professor Jacques Carlu. Professor Carlu holds a diploma from the French Government for work in L'École des Beaux Arts. He won the Prix de Rome competition in 1920.

Alone of the four men Professor Dallenbaugh will not completely sever his connection with the Institute. He has been at Technology since 1919 serving as Assistant Professor of Electric Machinery and as Secretary of the Research Division of Electrical Engineering. He will enroll again as a student this fall and take work which will lead to the degree of Doctor of Philosophy in the spring. His successor has not been announced.

Professor Dillon has occupied a distinguished position at Technology ever since he came here in 1919 after twelve years of military service. He has served the Institute as Professor of Electric Power Transmission

and Electric Transportation and as Director of the Summer Session. He has resigned his chair to accept a position as head of the Department of Public Utilities in the School of Business at Harvard. Again, the Department of Electrical Engineering has made no announcement of a successor.

Professor Schell has been associated for some years with courses in Business Management. His lecture given each year, popularly known as the "Million Dollar Lecture" will be remembered by many students of recent years. He, too, has accepted a position in the School of Business at Harvard, where he will continue along the same lines he has followed at the Institute. The parallel continues, for unfortunately no announcement of his successor is as yet forthcoming.



THEODORE HARWOOD DILLON
*who has now left the Institute to be Head of the Department of
Public Utilities in the Harvard Business School*

Notman

MANUSCRIPTS from Alumni, for entry in the third year of the Prize Song Contest, are scheduled for receipt on January 1, 1925. This date allows an extension of time from the original date of October 15, 1924, so that the Alumni, from whom the committee hopes for many entries, will have additional time to complete their tasks.

The judging committee is placing more stress this year upon words than upon music. Although the combination will be considered as welcomely as before, the committee wishes it to be known that words without accompanying music will be acceptable.

Manuscripts should be submitted to the Secretary of the Technology Prize Song Committee in Room

2-285. They should be signed with a number and should be accompanied by an envelope bearing the same number and containing the name of the contestant.

THE Institute has profited during the summer by three bequests aggregating a potential maximum of \$30,000 and a certain minimum of \$15,000. The reliable benefactors are Miss Elizabeth Peters of Boston who has left \$5,000 to the Department of Mineralogy and Walter Scott Kennedy of Worcester who has made the Institute a beneficiary to the amount of \$10,000. The uncertain sum is due to the unusual will of Jacob J. Arakelyan who makes a \$15,000 bequest to a Dorchester church with the clause, "if at any time said church shall cease to exist, or if at any time drinking, smoking or dancing is permitted in any of the buildings of said church, this legacy shall be forfeited and the principal of said fund shall be given to the Massachusetts Institute of Technology for scholarships."

THE Department of Biology and Public Health has announced a new series of specialized courses leading to the degree of Doctor of Public Health. The degree is thus placed on the same level as the degrees of Doctor of Philosophy and Doctor of Science requiring in general at least three years of graduate work. The opening of this work to civilians is an expansion of the training in public health which has been offered for the past year only to duly qualified officers from the Surgeon General's Department of the Army. According to the United States Public Health Service it should aid in solving one of the most pressing problems in public health to-day.

PRESIDENT Stratton delivered his annual report to the Corporation at its recent fall meeting. The principal interest centers in the Treasurer's report. The Institute kept within its budget last year, the income from students and investments being in excess of the expenses by something more than \$1000. About 60 per cent of the approximate \$2,000,000 required to maintain the Institute for a year was devoted purely to instruction purposes.

The report contains reference to the '93 Dormitory and to the purchase of the new thirty acres of land across Massachusetts Avenue, which have previously been noted in these columns. It points out that the total resources of the Institute, including endowments, plant and current assets are over thirty million dollars.

At the same meeting, Henry Morss, '93, an ex-President of the Alumni Association who has been Assistant Treasurer of the Institute for several years and who was a term member of the Corporation up to last June, was elected a life member of the Corporation. James P. Munroe, '82, was reelected Secretary and Charles T. Main, '76, was chosen again to serve on the Executive Committee for a term of five years.

WHILE eager students have been resting on their laurels (or nettles), Institute faculty members have not chosen to be carried to the skies on flowery beds of ease. The summer has seen them in a veritable orgy of activities so great that the briefest of cataloging is all that a cramped space can allow.

Dugald C. Jackson, Professor of Electrical Engineering and Head of the Department, has come to notice twice. In June, he was one of the contributors to the series of papers which the American Committee presented to the World Power Conference in London. In September, he was appointed chairman of a new committee of the Associated Industries of Massachusetts to study the question of the prices paid for power and the cost of producing power.

At the same time that the World Power Conference was being held in London, another portion of that city was entertaining a convention of higher æsthetic aims. Two hundred architects representing nearly all foreign countries met in an International Congress on Architectural Education. The chief representative of the United States at this meeting was Professor William Emerson, Head of the Institute's Department of Architecture.

But Professor Jackson is by no means the only two letter man in the faculty this summer. Professor R. T.



HARVARD BRIDGE IS FALLING DOWN

The wreckage of the old flooring is now complete. Construction gangs are making rapid progress with the new, and the renewed bridge will, perhaps, be open to traffic by December 1

Haslam, '11, of the Institute, in collaboration with E. W. Thiele, also of Technology, is the author of a report on cheaper and more abundant fuel and on international progress in the search for it. This report was made public by the American Chemical Society, to which it was submitted.

Professor E. P. Warner, '17, has also been selected as chairman of a committee in his own field, that of aviation. The Committee is that which will determine in 1925 the most meritorious contribution to the science of aeronautics reported to it during the year. In return for this contribution the Dayton Section of the Society of Automotive Engineers will give a medal which is to be an annual recognition of merit.



THE past summer has witnessed centennial celebrations of two well-known institutions which are closely allied to the Institute in ideals and purpose.

The first of these was the combined celebration of the centenary of Franklin Institute and of the inauguration exercises of the Bartol Research Foundation. On the centenary committee were Elihu Thomson, Pierre S. duPont, '90, and J. Howard Pew, '03. Dr. Thomson served as Chairman.

Institute men who gave addresses were Dr. Thomson, Arthur D. Little, '85, (a transcript of whose address on "The Fifth Estate"



THREE DISTINGUISHED FRENCHMEN

Above: Professor Jacques Carlu, who succeeds A. E. Ferran as Professor of Architectural Design. At left: Professor Charles Fabry, of the Sorbonne, President of the Société Physique de France and Director of the Institut d'Optique Théorique et Appliquée of Paris, who will deliver a series of twelve lectures at the Institute, on "Light Interference Phenomena and their Applications." At right: Professor Charles de la Vallée-Poussin, who will deliver six lectures, beginning November 1, on the theory of integration and degree-of-convergence. He is professor at Louvain.

appears elsewhere in this issue), William D. Coolidge, '96, who spoke on "Modern X-ray Tube Development," Professor A. E. Kennelley of the Institute, Professor Bradley Stoughton, '96, who is now at Lehigh, and Dean Harold Pender a former member of the Institute faculty. Professor Kennelley was Technology's official representative.

Only two weeks later Rensselaer Polytechnic Institute held the celebration of its hundredth anniversary at Troy, New York. President Stratton was one of a distinguished list of speakers which included Presidents Angell of Yale, Birge of Wisconsin, and Michelson of the National Academy of Sciences.

At this celebration, Dr. Stratton received the honorary degree of Doctor of Philosophy. Dean H. P. Talbot, '85, was delegate from the American Academy of Arts and Sciences and H. W. Tyler, '84, represented the Association of University Professors, of which he is Secretary.

PROFESSOR William S. Franklin of the Department of Physics has received his reward for his ever ready interest in humanitarian activities. About fifteen years ago while a Professor at Lehigh University, Professor Franklin started the playground movement in Bethlehem. To stimulate interest in it he published his well known book, "Bill's School and Mine," which presents the differences between the environment of the boy in the typical industrial center and of the one who grows up as he did in a pioneer or rural community. After fifteen years the work has borne fruit and Bethlehem is now the owner of a ten-acre tract of land which is to be improved and made into a public park and playground. Fittingly the new playground will be named Franklin Park. Bostonians will be interested in a similar and almost coincident honor awarded Hank Gowdy by the military citizenry of Benning, Georgia.

LINCOLN Cathedral is to profit by the gift of A. Farwell Bemis, '93, life member of the Institute Corporation. A movement has been set on foot in England to repair the transepts of the cathedral, a measure necessary to insure the stability of the beautiful central tower. Mr. Bemis' gift of £50,000 is the largest single contribution to the rapidly growing fund.

ANNOUNCEMENT has been made that the Annual Banquet of the Alumni Association will be held Saturday evening, January 3, 1925. No further details are forthcoming at this time, but presumably the banquet will be held in the Walker Memorial as heretofore. The Class of '95 at present plans a big attendance in honor of Thomas B. Booth, '95, who is President of the Association.

IT is with regret that The Review must record the disappearance of William Whitehead, II, '25. With his brother, Joseph, the young man set out in the middle of August to traverse the more or less unexplored re-

gions of Glacier National Park. They have not been heard from since their departure. Searching parties, led by government rangers, have combed the hills and ravines without success and at this date it seems futile to hope that the boys will ever be found alive.

"IT is ten years since Mrs. Ellen Richards, '73, left us and in these years her students are realizing more and more what her work meant to them and not only to them but to many others." With the idea in mind that this year is a tenth anniversary, a committee formed of members of the Technology Woman's Association and of the Alumni has voted that a most fitting memorial would be a bronze bas-relief of Mrs. Richards with a suitable inscription. The gift will be in the name of the Alumni.

SEPTEMBER witnessed the largest International Steel Convention ever held. It was conducted this year at Commonwealth Pier, Boston. In the exposition, Technology men played a prominent part. The exposition is held annually under the auspices of the American Society for Steel Treating, of which Dr. George K. Burgess, '96, is President. Dr. Stratton played an important part in the exposition and was a member of the Executive Committee that succeeded in bringing it to Boston.

Editorial Comment

Registration's Artful Aid

Some weeks ago our good neighbor, the *Harvard Alumni Bulletin*, printed a cynical editorial on registration figures and how to interpret them to the satisfaction of all. Said the Bulletin, in effect, if numbers decrease one's talk should be all of quality in instruction, of the dangers of mass education and the privilege of membership in the aristocracy of brains. But if numbers mount, the cue is rhapsody; the institution is extending its boundaries in an ever-widening circle; it is appreciated; it is fulfilling its duty towards the yearning searcher for instruction, and the sacred charge laid upon it by The Founder. In other words, no eventuality revealed by the naive registrar should dismay the alumni editor, nor shake his confidence that

We are right and you are right
And everything is quite correct.

All of which is excellently observed, but of no help to us of Technology this year. For the Harvard editor has set no prescription for static conditions; given us no formula for the Status when it is Quo.

And it is Quo with us this year. Registration lies again in the Twenty-nine Hundreds, so close to the figure for the first term of 1923-24 as to be within the rather elastic limit of error. What are we to say? Perhaps something like this will serve:

Technology, after seven years of the uncertainty and confusion laid upon it by the war, once again finds itself stabilized. The ill effects