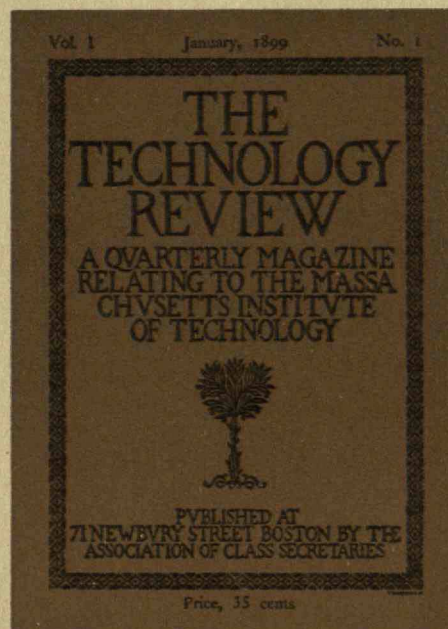


THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY



JANUARY
1 9 2 4

25th Anniversary Number.

PUBLISHED BY THE ALUMNI ASSOCIATION

OLMSTED-FLINT COMPANY

FRANK M. SCHIFFMACHER
President

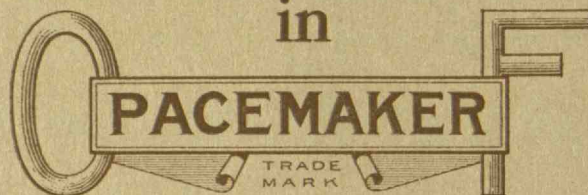
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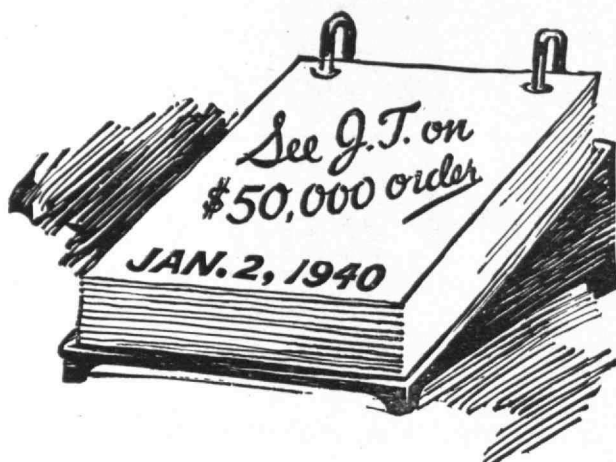
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Number 34 of a series

THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY

*Published monthly, from November
to May inclusive, and in July
at Cambridge, Mass.*

Vol. XXVI 25th Anniversary No. 3

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PUBLISHED BY THE ALUMNI ASSOCIATION

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Arthur T. Hopkins, '97, *Secretary*
Orville B. Denison, '11, *Executive Secretary*

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A seven days wonder in 1903, but already outgrown in 1909—so rapid is the march of electrical development.



A monument to courage



The total capacity of the steam turbine generators produced by the General Electric Company is equal to the working power of 170 million men. More and more the hard tasks of life are being transferred from human shoulders to the iron shoulders of machines.

This machine is a Curtis Steam Turbine Generator. Many called it a "piece of folly" in 1903. It was the largest turbine generator ever built up to that time.

Today General Electric Company builds steam turbine generators ten times as big as this pioneer; and the "piece of folly" is preserved as a monument to courage.

GENERAL ELECTRIC

THE TECHNOLOGY REVIEW

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No. 3

Anniversary

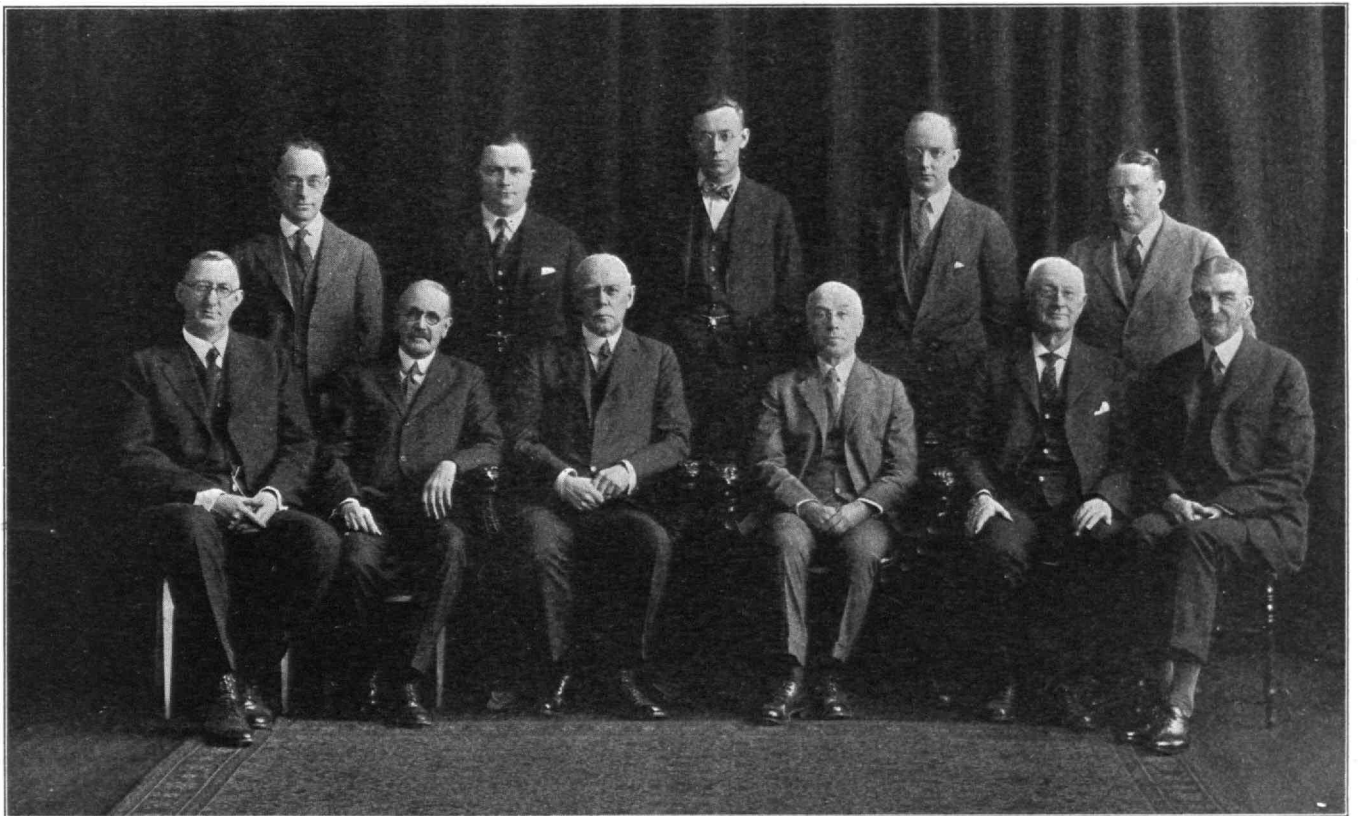
This is our Silver Jubilee. It was in January, 1899, that The Technology Review, whose cover was smaller and browner than now, made the first public appearance of its career. Now, so soon, we are come to January, 1924, and find ourselves a quarter-century old.

This is no small time as publications count it. We want our younger readers to know that we have a solid and substantial history to our credit, and so we present to them this month as the product of four able pens the story of The Technology Review from its

founding to its present. You will find it beginning on page 127.

Our several departments, you will notice, wear two faces each. The Past Month, In the Public Eye, With the Undergraduates, and the like appear before you first as of the present day, and then, cinema-like, flash back to the reportings of 1899, suitably embellished with tintypes. It will surprise you to know what was going on in those brave days.

A quaint age, wasn't it? But just wait for the Fiftieth Anniversary Number, in 1949!



PAST AND PRESENT

Photo by Notman

This remarkable photograph groups together all those who have had a hand in the founding of The Review twenty-five years ago or the administering of it since then. Left to right, the eleven call off as follows: Standing—Walter Humphreys, '97, second Editor, and for sixteen and one-half years Secretary-Treasurer of the Alumni Association; H. E. Lobdell, '17, the sixth and present Editor; E. F. Hodgins, '22, present Managing Editor; R. S. Stevens, '17, present Advertising Manager; R. E. Rogers, the fifth Editor and the present Contributing Editor. Sitting—A. T. Hopkins, '97, the first Editor, and now Secretary-Treasurer of the Alumni Association; W. B. Snow, '82, formerly in charge of advertising; A. D. Little, '85, Chairman of the first Committee on Publication; J. P. Munroe, '82, third Editor, and likewise a member of the first Committee on Publication; C. Frank Allen, '72, the third member of the Committee, and I. W. Litchfield, '85, the fourth Editor.

THE PAST MONTH

Today * * * *

THE second William Thompson Sedgwick Memorial Lecture will be held in Huntington Hall, of the Rogers Building, on January 25, 1924, at 4.30 p.m. The lecturer will be Dr. William H. Welch, Director of the School of Public Health of Johns Hopkins University. He has chosen as his subject, "The Foundation of Public Health."

The William Thompson Sedgwick Memorial Lectureship is the first of its kind to be established at the Institute. It came into being for the purpose of commemorating the services of William Thompson Sedgwick to the cause of Biology and Public Health. These lectures held in memory of the late Head of the Department of Biology and Public Health are to be delivered from year to year by men of distinguished eminence in the biological sciences. Samuel C. Prescott, '94, Professor Sedgwick's successor as Head of the Department, C.-E. A. Winslow, '98, of Yale University, Edwin O. Jordan, '88, of the University of Chicago, George C. Whipple, '89, of Harvard University, and Gary N. Calkins, '90, of Columbia University, are members of the Committee in charge of the lectureship.

Dr. Welch, a life-long friend of Professor Sedgwick, was for many years Dean and Professor of Pathology in the Johns Hopkins Medical School. When the School of Public Health for that university was established by a gift from the Rockefeller Foundation, he became its Director.

The first lecture was given on December 29, 1922, by Professor Edmund B. Wilson of Columbia University on "The Physical Basis of Life." It was recently published in book form by the Yale University Press.

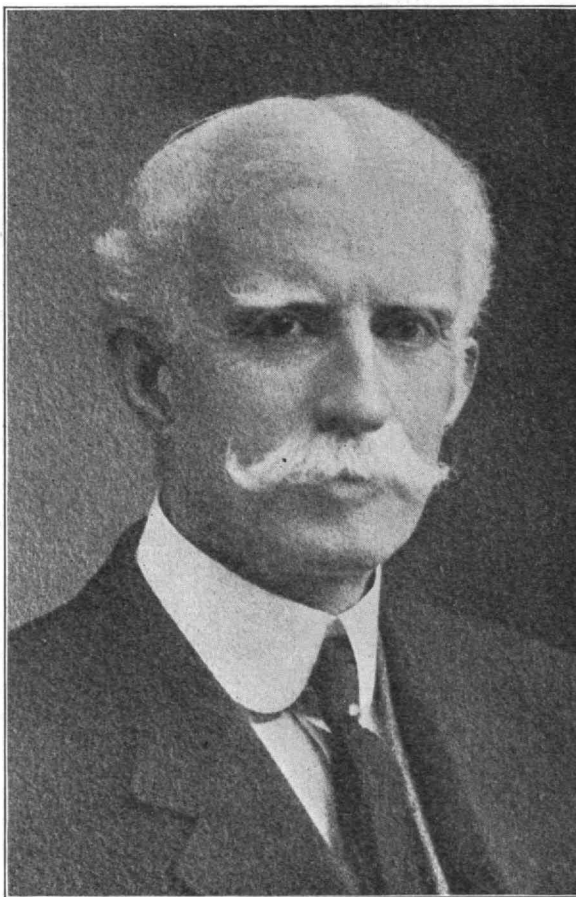
The date of the lecture this year is significant: it is an Anniversary of the death of Professor Sedgwick.

He died suddenly from heart failure three years ago—on January 25, 1921.

ON January 5, the Annual Dinner of the Alumni Association will be held in the main hall of Walker Memorial. W. R. Mattson, '13, announces a program which should hold interest for all Technology men. The item of first importance will be the unveiling of the mural mentioned in another column of *The Review* as being painted by Edwin H. Blashfield, '69. The speakers will be Senator George H. Moses of New Hampshire, Dr. Stratton, and Dr. Allan Winter Rowe, '01. Franklin Collier, the gifted and versatile cartoonist of the *Boston Herald*, will be present to do rapid-fire sketches of speakers and prominent alumni, for the amusement of the gathering. Tech Show and the Musical Clubs will offer a sample of the diversissements for which they are famous. On all counts the program, as at present outlined, seems to promise unusual interest.

ALDRED lectures have been coming fast and furious. On Friday, December 7, Mr. J. W. Lieb, Vice-President of the New York Edison Company, delivered the third lecture, the title of which was, "The Development of Lighting and Power Service in a Great City." Mr. Lieb, who is a graduate of the Stevens Institute of Technology, was in charge of the first Edison Central Station when it was originally put in operation in 1882. He is a Knight-Commander of the Crown of Italy. In 1904 he was the President of the American Institute of Electrical Engineers.

Four days later, on December 11, W. E. Nickerson, '76, delivered a lecture whose felicitous title was, "The Curious Adventures of a Tech Graduate." Mr. Nickerson, who was graduated from the Institute as a Chemist, is now a Director of the Gillette Safety Razor Company. In delivering his lecture, Mr. Nickerson did not hold to the precedent of technicality which has been established within the short month since Gerard Swope, '95, spoke on "The Engineer's Place in Society." Rather his lecture was of a personal nature and concerned his experience as an individual in engineering, both before and after his Gillette days. In the estimation of his listeners, Mr. Nickerson seems, so far, to be the star of the series.



W. E. NICKERSON, '76
Who delivered, on December 11, the fourth Aldred Lecture, the title of which was, "The Curious Adventures of a Tech Graduate"

ON November 26, the Alumni Council held its One Hundred and First Meeting at the Engineers' Club, with an attendance that ranged in the fifties. The usual account of the meeting is, for reasons of space, omitted from this issue. It will appear in the February issue, thus filling the gap which would otherwise be caused by the omission of the December meeting. The Council authorized this omission at its November meeting.

IN December, Orville B. Denison, '11, the Alumni Association's Executive Secretary, penetrated for the first time into the Middle West, visiting Detroit, Cleveland, Cincinnati, Indianapolis and other cities. Herewith is presented his January schedule: January 3 to 6, Schenectady, N. Y.; January 7 to 8, Syracuse, N. Y.; January 9 to 10, Rochester, N. Y.; January 10 to 12, Buffalo, N. Y.; January 13 to 15, Niagara Falls, N. Y.; January 16 to 18, Pittsburgh, Pa.; January 19 to 21, Harrisburg, Pa.; and January 22 to 24, Philadelphia, Pa.

FOR the interest of Technology at large, students past and present of the Department of Architecture in both options exhibited during the week of December 3 in the main lobby of the Institute a set of designs and sketches which proved to be of extreme interest. The maturity of design and the excellence of technique exhibited by a number of undergraduate students was a remarkable feature of the exhibition. Reproductions of some of these sketches will appear in a future issue of The Review.

The Faculty of Course IV and the Architectural Society together planned the exhibition.

INSTITUTE men played speaking parts of considerable bulk at the annual meeting of the Engineering Division of the National Research Council held in New York on December 7.

Dr. F. B. Jewett, '03, who is Chairman of the Division of Engineering, made the brief introduction which started the evening. Three of the four fifteen-minute addresses were likewise by Technology men: William H. Bassett, '91, spoke on "Researches Affecting Copper and Brass"; Arthur D. Little, '85, spoke on "Research, The Mother of Industry"; Dr. Willis R. Whitney, '90, Director of the Research Laboratory of the General Electric Company spoke on "Scientific Research." An examination of Division projects was made by Professor D. C. Jackson, Head of the Department of Electrical Engineering, whose subject was, "Relation of Quality and Quantity of Illumination to Efficiency in Industries."

John R. Freeman, '76, of the Technology Corporation, was presented with an A. S. M. E. medal for distinguished services. Other Technology men in one way or another represented were Professor Paul Hey-

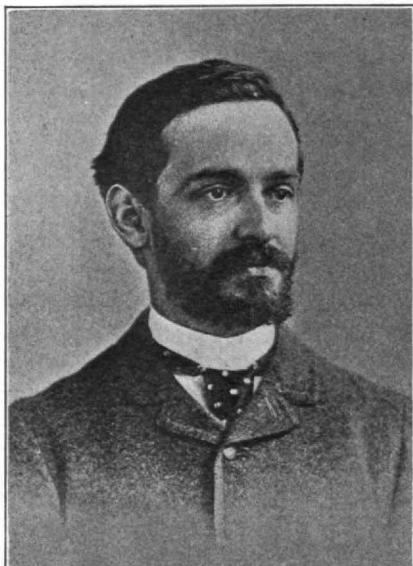
mans of the Department of Physics, Professor F. G. Keyes, Head of the Department of Chemistry, and Professor W. H. McAdams of the Department of Chemical Engineering.

A NEW University Club for Boston seems, as the days go by, an increasing probability. Booklets and circulars descriptive of the new project have been mailed to a number of university graduates whom it is believed would be interested in club facilities of a kind not at present found in Boston. The Executive Committee in charge of the project plans the erection of a building at the corner of Trinity Place and Stuart Street. Land, building and equipment are to cost about \$1,800,000. Membership will be limited to 5000 college and university graduates, non-graduates of two years' attendance at some college or university and holders of honorary degrees. Joseph W. Powell is Chairman of the Executive Committee. A Voluntary Committee from Technology, of which Paul D. Sheeline, '19, is Chairman, has been coöperating with the Executive Committee of the project.

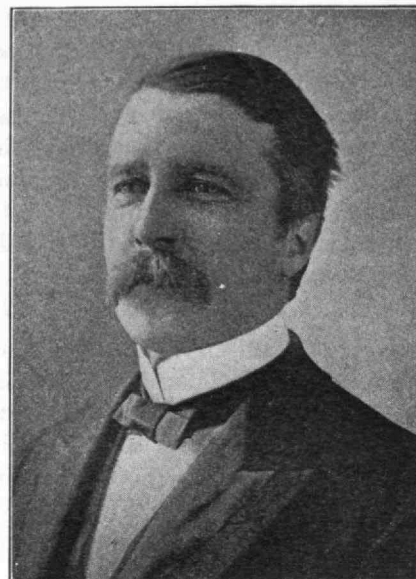
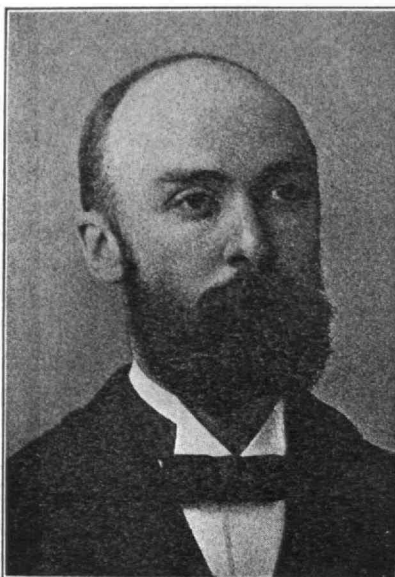
+ + + and
25 years ago.

SEVERAL promotions and news appointments on the Faculty and Instructing Staff have just been announced. Dr. H. P. Talbot, '85 and Dr. H. O. Hofman have been appointed professors of analytical chemistry and metallurgy respectively. Assistant Professor D. P. Bartlett, '86, has been advanced to the grade of associate professor. Mr. H. G. Pearson, instructor in English since 1893, has been appointed assistant professor, and R. R. Lawrence, '95, assistant in Physics of last year becomes instructor in the same department. Two resignations have been accepted: Captain John Bigelow, who rejoins his regiment, the 10th U. S. Cavalry, for active service, and Mr. James Swan, '91, who has formed an industrial connection. Among the new assistants appointed are: Charles B. Breed, '97, in Civil Engineering; William T. Hall, '95, in Analytical Chemistry; Joseph C. Riley, '98, in mechanical engineering; Harrison W. Smith, '97, in Physics; Maurice De K. Thompson, Jr., '98, in Physics; and Arthur A. Blanchard, '98, in Theoretical Chemistry.

DR. FRANCIS H. WILLIAMS, '73, was re-elected Secretary and member of the Executive Committee for five years at the annual meeting of the Corporation held October 12, 1898. Three new members were elected: Eben S. Draper, '68, of the Draper



AS THEY WERE:
Professors Tyler, Talbot and Burton when
The Review was new. Professor Talbot
had just been appointed a Full Pro-
fessor of Analytical Chemistry



Manufacturing Company, Robert S. Peabody, '68, of Peabody and Stearns, and Elihu Thomson, of the General Electric Company.

The President was authorized to make any needful arrangements for representation of the Institute at the 12th annual convention of the Association of Agricultural Colleges and Experiment Stations, to be held at Washington. The Executive Committee has authorized the purchase of additional apparatus for the gymnasium, with an appropriation of \$133.50.

AT a largely attended meeting of the Walker Club on December 17, (1898,) Professor Sumner spoke on "The Far Eastern Question," treating the general international situation. He showed the strong hold Russia is getting on China by her transcontinental railroads. This system of roads will be complete in about six years, and then Russia will be able to mass troops and send supplies to the Far East much quicker than any other power. She can then dictate the commercial relations of China to the world. This would certainly be a great blow to the merchants of the United States; to prevent which, Professor Sumner proved that it is our duty to retain the Philippines, so as to offset this Russian domination by working in concert with England.

THE first meeting of the Northeastern Section of the American Chemical Society for the season was held at the American House on October 21, the address of the evening on "Recent Developments in Electrochemistry," being given by A. D. Little, '85. Technology men figured largely among the nominees for the ensuing year, A. A. Noyes, '86, being the choice for President and W. R. Whitney, '90, for Secretary. J. W. Loveland, '88, and A. D. Little, '85, were two of the five chosen for the Executive Committee.

THE will of Edward Austin filed in the Suffolk probate office, November 23, 1898, provides that among public bequests of more

than a million dollars, four hundred thousand dollars is to come to Technology. The interest of this bequest is for "needy meritorious students and teachers to assist them in payment of their studies." Mr. Austin was one of the class of prosperous East India merchants and was a great friend of President Rogers. If applied as are our present scholarship funds this bequest will provide eighty full scholarships, nearly doubling the present number available. The first microscope owned by the Department of Biology was his gift.

THE clumsy appellation, The New Building, while sufficiently specific for the present, is a designation bound to become inappropriate and vague with the passing of time. It is fitting that this last addition to the property of the Institute should be named for the man who made its erection possible by a bequest of three-quarters of a million dollars. Henceforth, the new building will be known as The Pierce Building, after the late Henry L. Pierce.

EDITORIAL COMMENT

Today * * * * *

For reminiscence, for gauging of what The Year Henry Adams called the "dynamic acceleration of history" as it applies to The Celebrate Technology Review, readers must turn to other pages of this number. In those pages, we think we are not too boastful in saying, they will find a rich reward. Here, upon this one, which is particularly the property of the present guiders of the