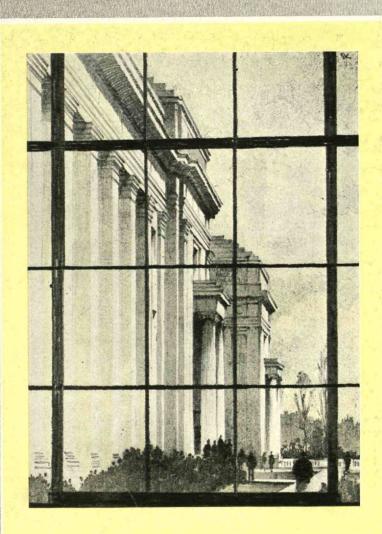
# THE TECHNOLOGY REVIEW



## MARCH 1 9 2 6

RELATING TO THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY





Ву co-operation between the manufacturers of electrical equipment and the electric light and power companies, the cost of electricity has been kept down in the years when most other costs have gone up. You will find the G-E monogram on the power plant equip-ment that makes cheap electricity possible and also on many kinds of elec-trical devices which give light, heat, and power to industry and the home.

The years of a mother's strongest influence are only seven. By the time a child begins to read and write many of his dominant characteristics are formed.

It is a great thing for the future of a nation to provide mothers with more leisure during these few vital years.

Electricity can help. A family's washing which used to consume a mother's whole day can now be

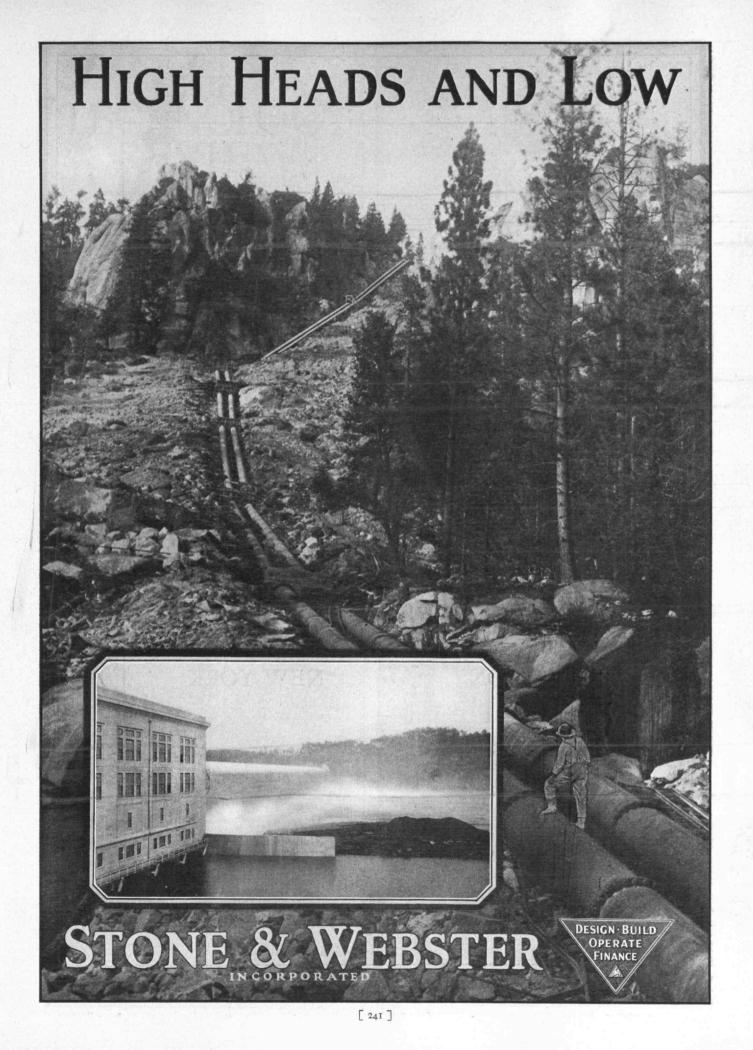
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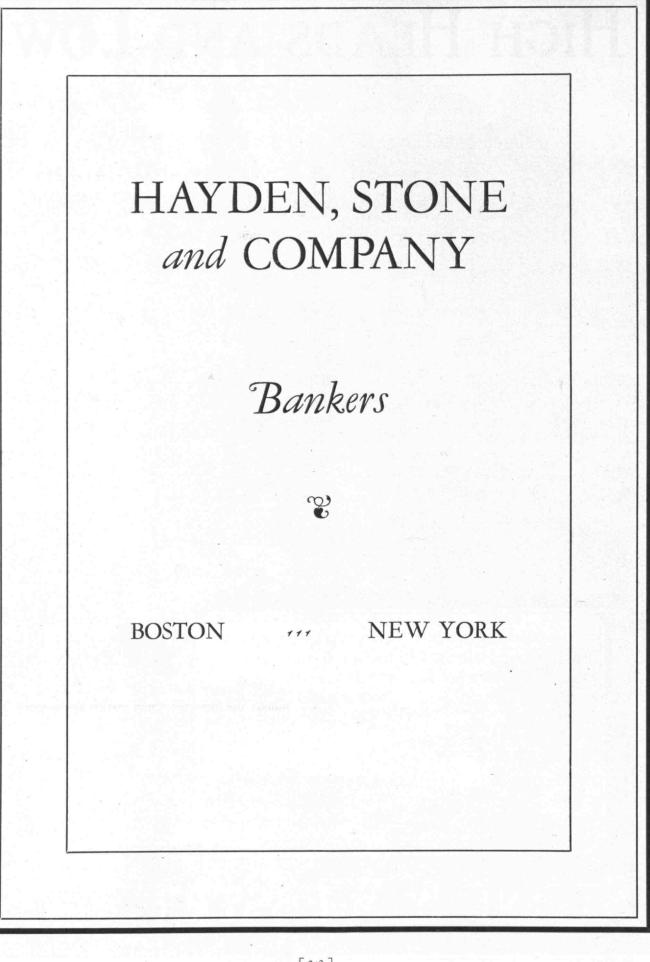
done with a G-E motor at a cost of  $2\frac{1}{2}$  cts. an hour. A home can now be swept electrically at a cost of  $1\frac{3}{4}$  cts. an hour.

Dish washing, running the sewing machine, cooking, ironing—let electricity do these routine duties in your home. Let them free you for the supreme

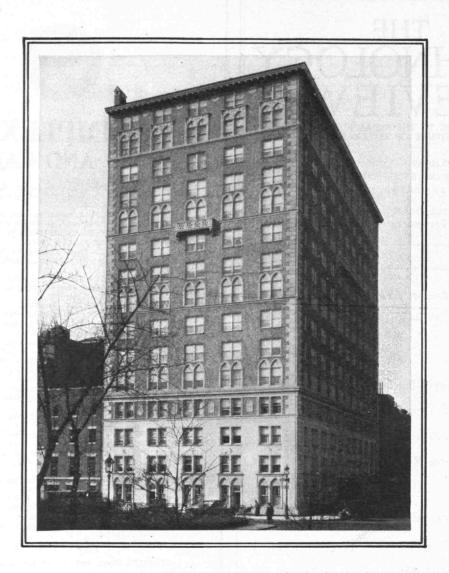
1 for the supreme duty and privilege of being with your children in the fleeting years when your influence counts most.











MAYFAIR HOUSE 610 PARK AVENUE, NEW YORK J. E. R. CARPENTER, ARCHITECT

This new apartment hotel was ready for occupancy

five and one-half months

after the foundations were finished.

# DWIGHT P. ROBINSON & COMPANY

BUILDERS NEW YORK

Los Angeles

MAXIMUM RETURN TO CLIENTS PER DOLLAR INVESTED

CHICAGO

[ 244 ]

# The **TECHNOLOGY REVIEW**

-3 RELATING TO THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY [:--

**UOLUME XXVIII** 

#### MARCH, 1926

#### NUMBER 5

### The Past Month

HARLES HAYDEN, '90, and his fellow Alumni last June acceded to their offices in the personnel of the Alumni Association for one year. No body is there quite so forward looking as the Nominating Committee of the Association. Six months after the assumption of office the Committee starts upon its diligent search for the inevitable successors. The time is none too long; the accolade must be proffered; the acceptances must be in hand; candidacies must be advertised; ballots must be printed and distributed; sixty days must be permitted to the dilatory members of the alumni body to file their returns; tellers must be

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appointed, ballots counted, the results triumphantly announced. Thus, it will be May before definite word goes to the successor candidates.

Auspicious, however, is this year's beginning. For President of the Association during the year 1926-1927, the sole nominee is Elisha Lee, '92, Vice-President in charge of operations of the Pennsylvania Railroad. Mr. Lee is a graduate of the Department of Civil Engineering, a term member of the Corporation, a former commencement orator (in 1923) and an Alumnus whose name is writ equally large in the annals of the Institute and the outer world.

For Vice-President the name submitted for the action of the Alumni is that of Henry F. Bryant, '87. Like Mr. Lee Mr. Bryant graduated in Civil Engineering. Unlike Mr. Lee he claims it now as a profession and is a past officer of the American Society of Civil Engineers. Like other Vice-Presidents his term will be for two years.

For the Executive Com-

KR From a woodcut by Kenneth Reid, '18

THOMAS C. DESMOND, 'og President of the Technology Club of New York, originator of the National Technology Center idea, who was a prominent figure at the Phantom Dinner at the Waldorf-Astoria in New York on Fanuary 10

Kalamazoo, Michigan.

mittee the names of Edward L. Moreland, '07, partner

of Dugald C. Jackson, Head of the Institute's Depart-

ment of Electrical Engineering, in the firm of Jackson and Moreland, as the senior member; H. B. Richmond,

'14, Treasurer of the General Radio Company as the

junior. For representatives at large the Nominating Committee chose B. C. Batcheller, '86, of Wallingford,

Vt.; J. C. Boyd, '93, of Portland, Maine; Frank Cheney

Jr., '82, of South Manchester, Conn.; Charles G. Hyde, '96, of Berkeley, Calif.; Arthur S. More, '02, of

Rochester, N. Y.; thus achieving a nice geographical

balance with the center of gravity somewhere close to

ORE exalted, perhaps, than the task of picking the slate for the Alumni Association is the responsibility which devolves upon the Nominating Committee in the choice of those names which shall be voted upon for election to term membership on the Institute's Corporation. Time there was, of course, when the Corporation was an outside governing body composed of public-spirited men whose sole connection with the Institute was that they were its legal government. The steady operation over a number of years of the alumni participation idea has now made it inevitable that the great bulk of the Institute's trustees are themselves its products and the choices of the Nominating Committees of previous years have, in great measure, determined the present personnel of life members of the Corporation as well as term members.

Under the terms of what is now referred to as the Bemis Plan, nine men are

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### · · Corporation Nominees

At the top, left to right: F. B. Jewett, V, '03, Vice-President American Telephone and Telegraph Company; A. P. Sloan Jr., VI, '95, President General Motors Corporation; P. W. Litchfield, X, '96, Vice-President and General Manager Godyear Tire and Rubber Company, Below to the left: L. S. Cates, III, '02, Vice-President and General Manager Utah Copper Company Outside of New England and New York are the following nominees: Paul W. Litchfield, '96, Vice-President and General Manager of the Goodyear Tire and Rubber Company, Akron, Ohio; John T. Dorrance, '95, President of the Campbell Soup Company, Camden, N. J.; Louis S. Cates, '02, of the Utah Copper Company,

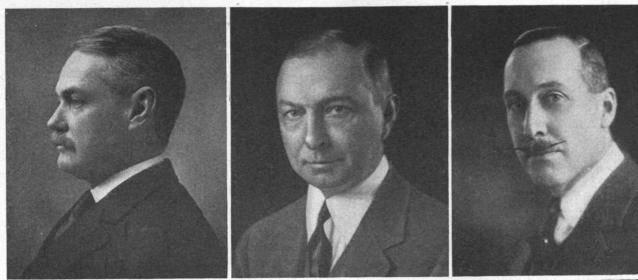
annually nominated to fill three possible positions. Previous to the oratory of Mr. Bemis which, on October 27, 1924, produced a vote in the Alumni Council to change matters, six men had been nominated for these three positions and some alumni citizens had been left unhappy and disgruntled by defeat. The new plan, in the words of James P. Munroe, '82, went on the theory that if there were six defeated candidates instead of only three, each would be only "half as sore." The arrangement now is, therefore, that of the total of nine candidates, six are chosen from New England and New York State, and three from outside this district.

For membership on the Corporation, term to last until June, 1931, the following have been nominated from New England and New York: Frank B. Jewett, '03, Vice-President of the American Telephone and Telegraph Company, New York City; Allan W. Rowe, '01, Director of Research, Evans Memorial, Boston; John R. Macomber, '97, President of Harris, Forbes and Company, Boston; William J. Knapp, '06, Vice-President of the Union Carbide and Carbon Corporation, New York City; Alfred P. Sloan Jr., '95, President of the General Motors Corporation, New York City; Zenas W. Bliss, '89, Chairman of the State Tax Commission, Providence, R. I. Salt Lake City, Utah. From these nine, three will be chosen within the next ninety days by those members of the Alumni Association whose classes have been graduated more than five years and who show sufficient interest to return their ballots.

Senior on the list, it will be observed, is Mr. Bliss in the Class of '89; junior on the list, and, if successful, junior to a considerable degree beyond most other Corporation members, will be Mr. Knapp. At present no class is represented on the Corporation later than that of 1909, represented now by Charles R. Main.

THE 118th meeting of the Alumni Council held in Walker Memorial on January 25, marked the definite start of the activity which aims at the raising of an Alumni Dormitory Fund to be created and expended in accord with the announcement of President Hayden in the January Review. The Council, which, upon this occasion, met with the Association of Class Secretaries, voted unanimously to authorize the appointment of a committee of five to coöperate with the Class Secretaries to the end that a fund of \$1,000,000 be raised to make possible the erection of ten additional dormitory units, each housing forty men. President Hayden is to appoint the committee.

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### for Term Membership ,

To lend financial solidity to the evening's speeches Henry A. Morss, '93, Assistant Treasurer of the Institute, was on hand to present some points necessary in the consideration of the project. He outlined several options through which the campaign might proceed. There was some discussion of the manner in which classes, grad-

At the top, left to right: Z. W. Bliss, II, '89, Chairman State Tax Commission of Rhode Island; J. T. Dorrance, V, '95, President Campbell Soup Company; A. W. Rowe, X, '01, Director of Research, Evans Memorial, Boston. Below, to the right: W. J. Knapp, II, '06, Vice-President Union Carbide and Carbon Corporation. A photograph of J. R. Macomber, '97, President Harris, Forbes and Company, was unobtainable



uated ten years or less and not yet arrived at the plutocratic stage, could be helpful to the limit of their admittedly small means. Henry F. Bryant, '87, contributed the interesting suggestion that since a unit containing forty rooms would cost about \$100,000 the cost of one room was thus approximately \$2500, and that some classes not able to raise sufficient funds for a larger project might give sufficient money for one room which would then be designated by some suitable inscription on its door. Other classes, somewhat more opulent, might perhaps give sufficient funds for a floor. George E. Russell, '00, made the suggestion that interestbearing bonds or shares of stock to have a value of \$1000 each might be utilized and the man purchasing such a bond or share would receive 4% on his investment for ten years, after which time interest would stop and he would surrender the principal. By this means, Professor Russell thought, the agony of separation might materially be lightened, although Mr. Morss did not feel a strong thrill of enthusiasm for the idea.

E ARLIER in the evening the Council had been placed in a happy, receptive and plastic frame of mind by a straightforward account, full of robust humor, given by Professor L. F. Hamilton, '14, Chairman of the Dormitory Board, on life as it is lived in the existing student quarters. Hazing, said Professor Hamilton, in the ancient and often brutal technique which was in vogue when our fathers went to college no longer exists. Boys still remain boys, but the excess spirits of the present day are directed in a healthier and more humane direction than before. His address had the definite effect of impressing upon the minds of his listeners the fact that life in the dormitories today is almost a necessary adjunct to the full civilizing process which an educational institution is supposed to work upon its young men. The moral which adorned the tale was obvious to everyone.

N January 25, 1921, William Thompson Sedgwick, Head of the Department of Biology and Public Health, died of heart failure. Since 1922, formally dedicated to his honor, biologists of distinguished eminence in some subject within the scope of biology and public health have each year been chosen to deliver a "William Thompson Sedgwick Memorial Lecture" for the purpose of commemorating his services to Biology and Public Health. The first year, Edmund B. Wilson, of Columbia University, was the lecturer; in the second, William H. Welch, of Johns Hopkins; in the



#### ELISHA LEE, '92

Vice-President in charge of operation of the Pennsylvania Railroad who has been chosen as sole nominee for the presidency of the Alumni Association for the year 1926-1927

third, W. J. V. Osterhout, of Harvard. This year, in Huntington Hall, on February 12, Charles Value Chapin, Superintendent of Health of Providence, R. I., and perhaps the most illustrious worker in the field of municipal health service in the present day, delivered the lecture, the title of which was "Changes in Type of Contagious Disease."

Dr. Chapin graduated from Brown University in 1876, and from the Belleview Hospital Medical College in 1879. He has been Superintendent of Health in Providence since 1884. From 1913 to 1922 he was a lecturer in the Harvard-Technology School of Public Health. He was a special agent for the American Medical Association for study of state sanitation in 1913. He is the author of "Municipal Sanitation"; "The Sources and Modes of Infection"; "State Public Health Work"; and "How to Avoid Infection." He is a fellow of the American Academy of Arts and Sciences, and of the Royal Society of Medicine, in England.

Samuel C. Prescott, '94, Professor Sedgwick's successor, heads the committee in charge of the lectureship.

S Aldred Lecturer on January 22 (the lecture being the fourth of the present year series) Salmon W. Wilder, '91, President of the Merrimac Chemical Company, addressed the fourth-year and graduate students in Room 10-250 on the subject of "Chemical Development and the Graduate." Mr. Wilder, who is a term member of the Corporation, chose to draw the historic parallel between the industrial world which confronted him on his graduation and which will confront the young men of the present day upon theirs. He pointed out the extraordinary degree to which scientific methods have replaced those altogether empirical and was at pains to emphasize the importance of the work which Technology graduates have done in the past score of years in enlightening the practical man of the elder day on modern ideas of technical economy.

A practical man, said Mr. Wilder, is, after all, something more than one who in the current cynical phrase repeats the mistakes of his fathers. Very often he was a man with considerable knowledge and understanding of his work but a man who achieved his results too slowly and painfully by the old methods of cut-andtry to be properly efficient in the present day. The great virtue which the youthful Technology graduate would bring to industry, thought Mr. Wilder, was his knowledge of modern short-cuts and efficiencies, but greater than that is a certain understanding and sympathy for the work that had been done before him and the willingness to say quite frankly when the occasion made it necessary, "I don't know." The last quality needed cultivation, thought the speaker.

The substance of Mr. Wilder's remarks will probably be published in a forthcoming issue of The Review.

AX BORN of Göttingen finished his lectures on January 22 and after visiting several other American universities sails for home next month. About that time, March 22, to be exact, Dr. Th. DeDonder, Professor of Mathematical Physics at the University of Brussels, member of the Royal Academy of Belgium, last year a lecturer on Relativity at the Sorbonne, arrives at Technology to commence a double series of lectures: one on Relativity, another on the Mathematical Theory of Electricity.

Sixty-five scientific papers and six books constitute Dr. DeDonder's permanent contribution to scientific literature. His early papers were twenty-three in number, issued between 1901 and 1913, on the theory of analytical applications of Poincaré's integral invariants. In the latter years of that period he also published six