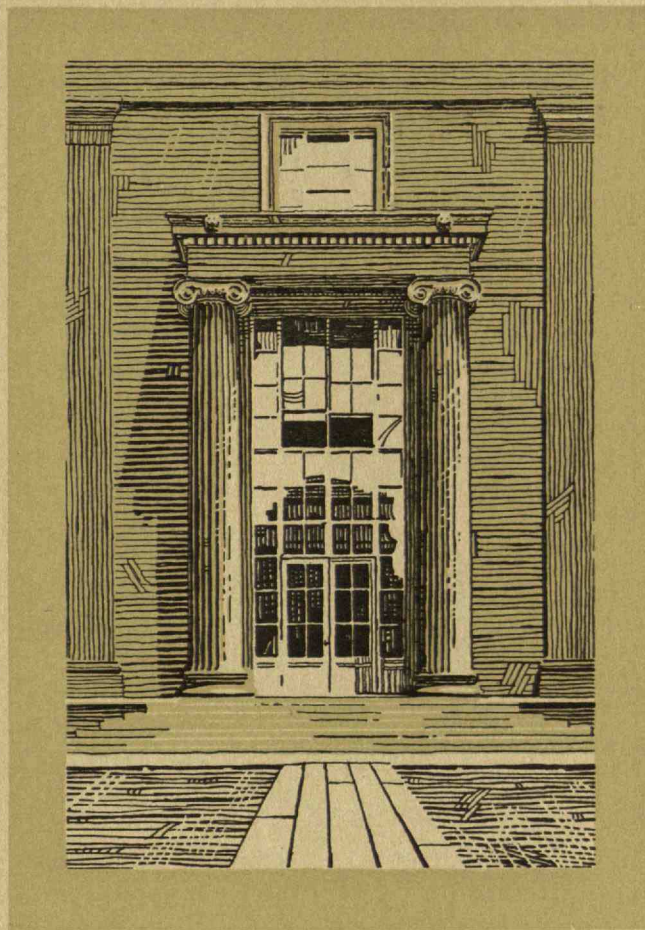


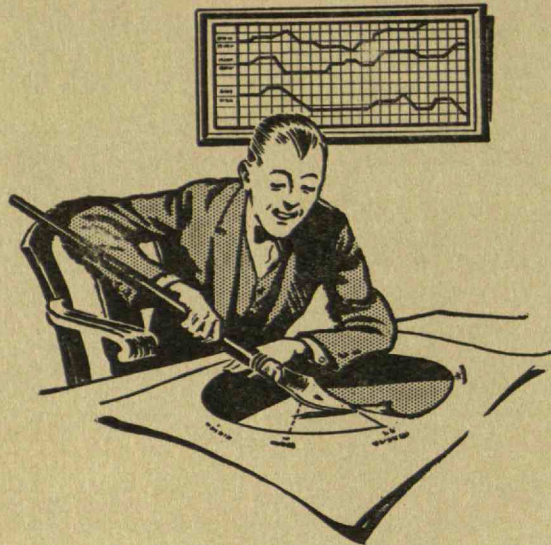
THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY



DECEMBER
1 9 2 4

PUBLISHED BY THE ALUMNI ASSOCIATION



Good news for all lovers of graphic pie

Graphic pie enough to satisfy the hunger of a life-time; no end of graphic mountains to scale and toboggan down. That's what the man who loves to analyze graphs and statistical symbols can look forward to when he comes with the electrical industry.

Economic study is one of many branches in this broad field. If you have thought of electricity as limited to engineers, this other side of the picture will interest you.

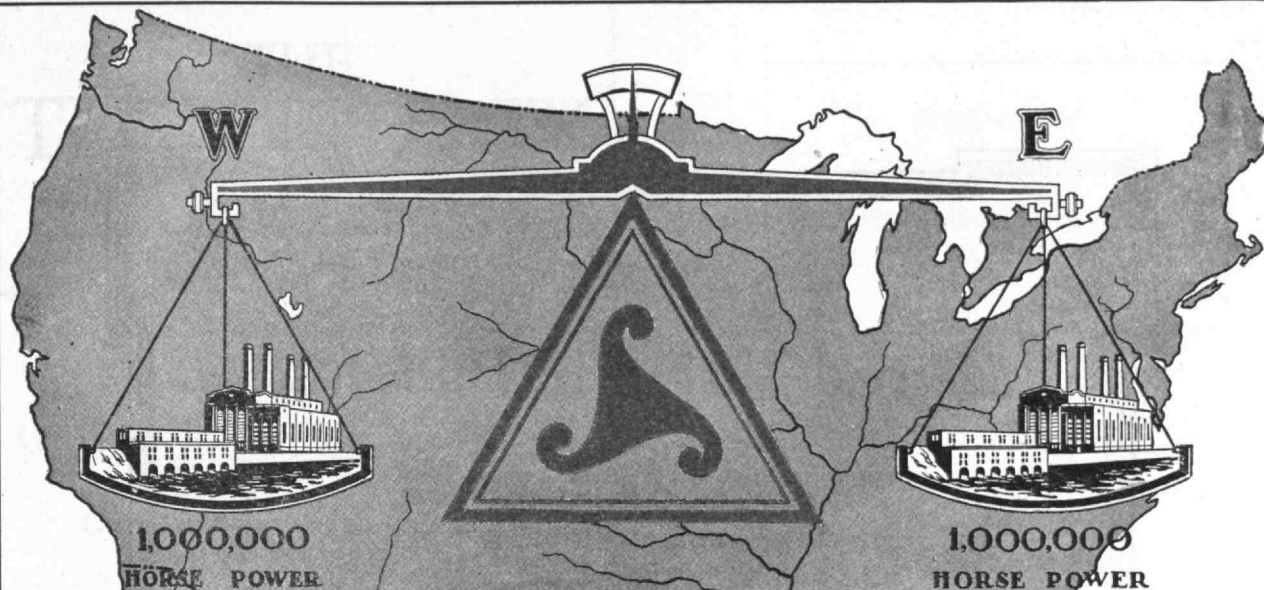
The commercial organization with its problems of distributing, selling, advertising; the manufacturing end with its opportunity for trained technical men; the legal and accounting branches—all this and more totals electrical industry.

It may pay you to keep this in mind against graduation.

*Published in
the interest of Elec-
trical Development by
an Institution that will
be helped by what-
ever helps the
Industry.*

Western Electric Company

This advertisement is one of a series in student publications. It may remind alumni of their opportunity to help the undergraduate, by suggestion and advice, to get more out of his four years.



Power Construction on a Continental Scale

FROM Atlantic to Pacific coasts is spread the power construction work of Stone & Webster. The Atlantic, Gulf and Middle Western States, almost without exception, contain important Stone & Webster power installations. On the Pacific coast every important city receives power from one or more stations designed and built by Stone & Webster. The low cost of operation in Stone & Webster plants is one reason for the high percentage of work that is repeat business. Plants now under construction vary from small industrial stations to several central stations of the largest size.

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in minimum time and at a mini-
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overall economy.

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THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY

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months old, 60 cents each. Three weeks must be allowed to effect
changes of address. Both old and new addresses should be given.

How to get
advertising space
that money can't
buy

DECEMBER 1924						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY 1925						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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25	26	27	28	29	30	31

FEBRUARY 1925						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

*This is a small reproduction of our exclusive
No. 33 twelve-sheet calendar, which is 13" x 26"
in size, and printed in blue and orange.*

A CALENDAR is the only advertising medium that puts your message on your prospect's wall for a year.

A twelve-sheet calendar is the only calendar that gives you ample space for your message.

We are the only sheet calendar manufacturers who have an exclusive line worthy of carrying the message of a high-grade house.

*Write us—we have an interesting
story to tell.*

Sheet Calendars

Perry & Elliott Co.

146 Summer St. Boston, Mass.

Printers of The Technology Review



If father did the washing just once!

If every father did the family washing next Monday there would be an electric washing machine in every home before next Saturday night.



You will find this monogram of the General Electric Company on many devices that take the drudgery out of housework. Look at it closely and remember the letters G-E. They are a symbol of service—the initials of a friend.

For fathers are used to figuring costs. They'd say: "The electricity for a week's washing costs less than a cake of soap. Human time and strength are too precious for work which a machine can do so cheaply and well."

GENERAL ELECTRIC

THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Vol. XXVII

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The Past Month

A COMMITTEE of the Faculty, some time ago appointed to investigate Course IX-B, General Engineering, and to make recommendations with a view to altering its somewhat pathological condition, presented, some days ago, its report, which has now been adopted by the Faculty as a whole. It seems probable that its stringent provisions will do much to bring Course IX-B to the position it should properly hold.

The Course is to be placed in charge of a committee of five Faculty members, including the Head of the Course as chairman. The committee is to have charge of laying out the programs of study. Any Freshman may enter the Course, but anyone who desires to enter after the beginning of the second year, must present for approval a general plan of his whole future course of study. After he has been admitted under these conditions, no student may change his program without authorization from the committee. No student is to be allowed to transfer to Course IX-B after the first year without a clear record in all his previous work. Here, of course, are the teeth of the plan. But even further, no student is to be allowed to graduate from Course IX-B without having completed a full year's work after entering the course. In other words, the course will no longer be the last straw at which a drowning student may clutch. The days of the idler are numbered.

ORVILLE B. DENISON, '11, presented, at the first Council meeting of the year, the audited figures from the report of Arthur T. Hopkins, '97, whom

Mr. Denison this fall succeeded as Secretary-Treasurer of the Alumni Association. The statement indicated, apparently to the surprise of most Council members, that upon the close of the last administration the Alumni Association found itself faced with a total deficit of approximately \$11,900. During the same period of time covered

by this report, The Review turned in to the Alumni Association a profit of about \$3000, thereby reducing the year's operating loss of the Association to a net figure of close to \$8900. The somewhat startling magnitude of this sum even after The Review's contribution seems to be due largely to the incomplete financial provision made for the enlarged activities upon which the Association embarked in July, 1923, with the appointment of a full-time Executive Secretary. The new administration, with Thomas B. Booth, '95, as President, and Mr. Denison as Secretary-Treasurer, is now engaged upon the difficult task of retiring the obligations bequeathed to it.

DR. Charles Fabry, Professor of Physics at the Sorbonne, who is this fall delivering a series of lectures at the Institute upon Light Interference Phenomena, has just been announced as a winner of the triennial Osiris

prize of 100,000 francs given for the most remarkable discovery in science, literature, art or industry. Professor Fabry received the award for his invention of an interferometer for astronomical use. Canny investment of funds by the custodians of the prize made possible two bestowals this year, and Professor Fabry thus shared his honor with Jean Richepin, the poet.



Bachrach

KENNETH MOLLER, '07
who succeeds his classmate, Alexander Macomber, as Chairman of
the Five Year Reunion Committee

AS The Review goes to press, decision is imminent upon the question of the number of terms into which the scholastic year at the Institute shall be divided. The battle has long raged and some acrimony has developed over the question whether the year shall consist of three or of two parts. The general opinion of the student body seems to favor the present three term division. Apparently the opinion of the Faculty, although somewhat more divided, tends toward a return to the semester basis. With the issue so closely contested it is unwise to predict at this time what its forthcoming decision may be.

President Stratton's Illness

On November 19, a few hours before this page of The Review went to press, the following brief statement was released to the newspapers:

"Pres. Samuel W. Stratton is in Washington, where he will shortly undergo an operation for gall stones. It is probable that Dr. Stratton will be absent from Cambridge for about six weeks. He went to Washington very unexpectedly for consultation with his physician, who decided it necessary that he remain for this operation. The exact date for the operation has not yet been decided upon."

Further information is not at the moment available.

KENNETH MOLLER, '07, has been announced to succeed Alexander Macomber, '07, as Chairman of the Five Year Reunion Committee. Mr. Macomber, who accepted the position last spring, has been forced to resign through pressure of business. Mr. Moller, who takes his place, is the Boston manager of the Lockwood, Green Company, Engineers. Mr. Moller is expected to reveal plans of his committee for the first time at the 109th meeting of the Alumni Council, on November 24.

A WELL-EDITED volume, neatly bound in cardinal and gray, serves to contain the thirtieth anniversary report of the Class of 1893, just published. The report reveals the interesting and encouraging fact that one of every nine of the men who were graduated from the Institute in that class, has achieved sufficient renown in his chosen field to have his name placed in "Who's Who in America." The report further contains class records, a detailed account of the Thirtieth Reunion of the class which was held in June, 1923, and a sketch of the class dormitory which is now completed and housing its 80 men.

The book represents in great measure the work of Frederick H. Fay, Secretary-Treasurer of the class, and his secretary, Mrs. M. A. Plummer. The other officers of the class are President, Francis W. Fabyan; Vice-Presidents, Henry A. Morss and Frederick N. Dillon; and Assistant Secretary, George B. Glidden.

WHEN the gales of the recent national election had subsided, and the humble citizen mariner was able to look about again on comparatively untroubled seas, he might observe afloat on one of the ships that rode staunchly through the storm, a Technology Alumnus. Coleman duPont, '84, was elected to the United States Senate from Delaware. This is

not General duPont's first term in the Senate, since a few years ago he was appointed to fill an unexpired term. His election at this time is sufficient tribute to his activities when previously in office.

TECHNOLOGY had as its guest during the past month a distinguished German physicist, Dr. Otto Oldenberg, who came to the Institute for two days to deliver lectures on "Phosphorescence and Fluorescence Phenomena." Dr. Oldenberg, who is associated with Prof. J. Frank at the University of Göttingen, has specialized in this field. The lectures were in English.

FRIENDS of Technology, who are also readers of the *Boston Herald*, were recently charmed to see, peering forth from beautifully engraved wreaths of one sort and another, the smiling countenance of Prof. Robert E. Rogers. Along with the picture of Professor Rogers were photographs of singers, violinists and saxophone players. The answer is not that Professor Rogers has gone into music but that he is broadcasting a course in American Literature via *Herald-Traveler* radio station, WBZ. Every Monday evening, the casual passer-by in the Brunswick Hotel studio may see him seated at his microphone pouring forth the words which, transmitted by wire to Springfield, are there turned loose upon the air, that he who listens in may learn.

Editorial Comment

"Back Bay Vice"

If there were a Pulitzer Prize awarded to the group of individuals who achieved during the course of the year the most mistaken, clumsy, inept, mischievous and unpraiseworthy publicity for themselves and their cause, beyond doubt the next bestowal of it would go to that group of student "investigators" and their sponsors who issued on November 13 the report on what is now headlined far and wide as "Back Bay Vice."

Just as every community must count upon being saddled with its lotharios, so must it endure its quota of the Unco Guid. Of these latter, students at Boston's score of colleges have produced their share, and these, in turn, have produced a report—a document of

luscious whispers to the effect that among their number vice stalks rampant, and must be checked. Why will the college authorities do naught to save the erring brothers? Item, gambling. Specifications, none. Item, drinking; specifications, none. Item, immorality, with context to indicate its particular form; specifications, (1) in houses where live students of both sexes a frequenting of one-another's rooms is not unknown, and (2) when disrobing, students sometimes fail to pull down the shades.

It is proposed in the estimable document, that hereafter the Deans, or other luckless officers of Boston's collegiate schools, see to it that the shades are pulled down. Similar proposals have, of course, been made before. But this one is unique in that it is said not to emanate from some nervous elder who does not care for the spirit of today's youth, but from a group of the very youths themselves. Therein lay the headlines.

Now it is not to be denied that moral failures among Boston's student population sometimes extend beyond the failure to pull down shades. This student city that exists within Boston contains, at an estimate, some 50,000 men and women — a population, in other words, as large as is possessed by such cities as Quincy, Mass., or Binghamton, N. Y. Few intelligent people would believe that every inhabitant of one of these cities lives, or could be forced to live, according to a moral code sanctioned by a Christian Endeavor association. Fifty thousand people are simply too many. So, probably, are fifty. Yet the impossible seems now expected of Boston's student group. At any rate, they have been measured by the Y. M. C. A. tape-line, and have fallen short, whereupon shock and horror are apparently let loose.

It is a matter of record that most of the "work" upon the student "report" was done by students of Northeastern University, which, we remind our Alumni, is maintained, housed and conducted by the Boston Young Men's Christian Association. The president of this Institution is Mr. Frank Palmer Spear, and to him has been assigned (with no public denial from him) the responsibility for having "turned the problem over to the students." Although it would be unwise to take Mr. Spear to task upon no firmer basis than newspaper report, it may at least be said that whoever the responsible official may have been, he was guilty of a bit of almost incredible folly. The extraordinarily delicate and fussy task of extramural student supervision does not supply an appropriate playground for amateur report writers, nor yet for the all-too-practised publicity agent. Its exploitation by these two groups has resulted, it is safe to say, only in the vexation and embarrassment of other college officials, and a total cancellation of any previous progress.

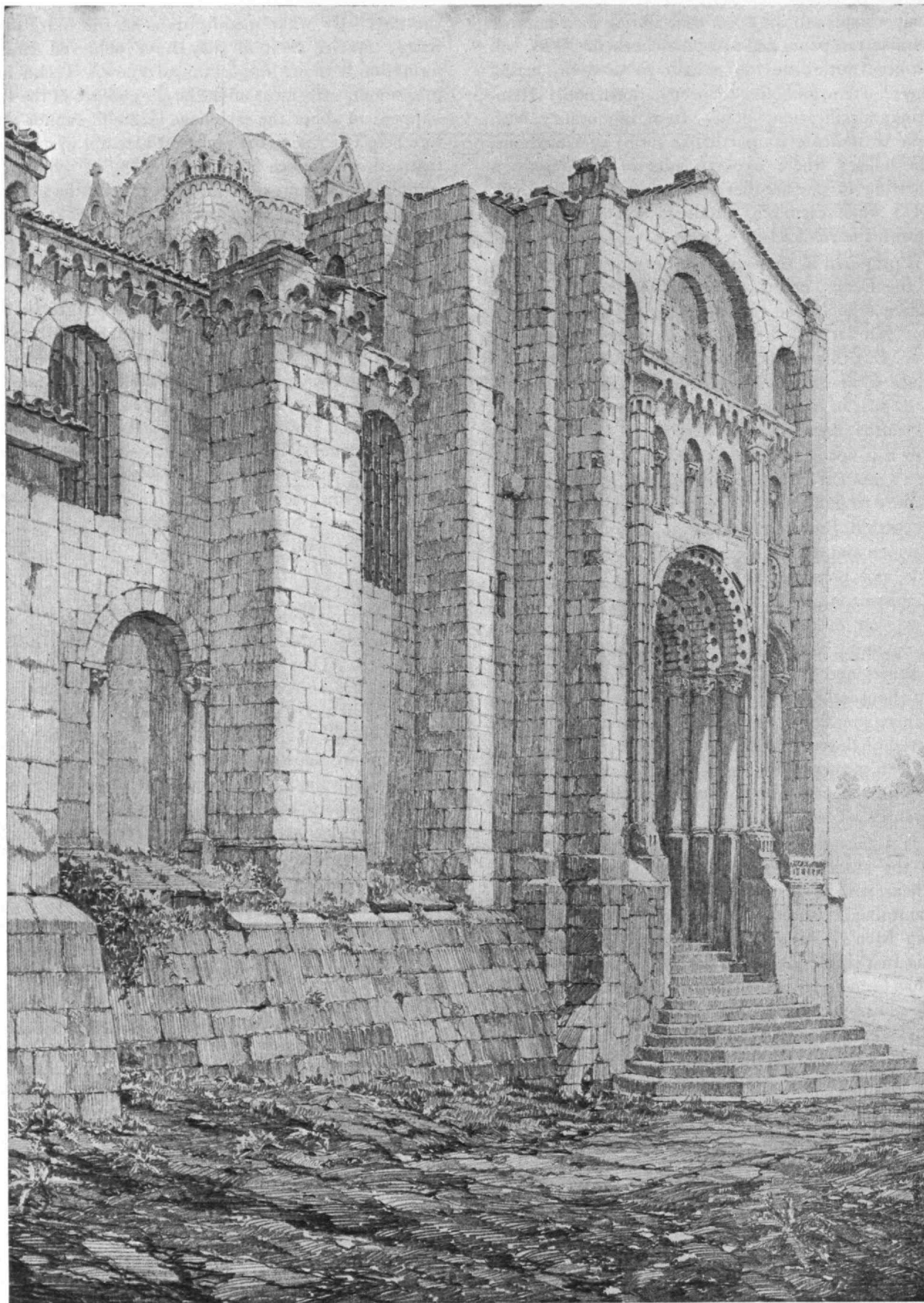
Officials of Northeastern University have more than once made it their boast that they know what their students are doing during all the twenty-four hours of

the day. By what modifications of the old Russian Secret Service System they have achieved this information it is not important to know. Technology, in common with most of the larger colleges of the East, happens to abhor the espionage idea and cannot therefore help but resent the apparent attempt of any other institution to force it into a policy of which it so completely disapproves. Since its foundation the Institute has proceeded upon the assumption that students mature enough to enter its classrooms were also mature enough to be treated as responsible men and women. Nothing yet has happened to prove that general assumption false, nor to persuade the Institute that the absence of a rigid paternalism in student control could be sensibly interpreted as a disinterested *laissez faire*.

But now come these "student" investigators and their sponsors to ask Technology, as they have asked Harvard, and Boston University and other institutions, Why are you doing nothing to save some of your students from damnation? Now come newspaper reporters to interview administrative officers. What are these poor men to do? They may answer "nothing to say," whereupon the reporters write what seem to them good. They may say, "I'm sure that none of *our* students . . ." and so on, whereupon they make it immediately evident that they are either hypocrites or unsophisticates to a degree that unfits them for their jobs. They may say "The private lives of our students are no concern of ours so long as they reflect no discredit upon us", which, being quite true, nevertheless brings a glissendo "Ah-ha!" to the lips of the believers in knowing what students do twenty-four hours of the day. No answer will be sufficient to reassure the disturbed public.

No answer ever is sufficient to quell a malicious disturbance. Newspaper report has already spread the impression countrywide that the Institute, like Harvard, like, even, (save the mark!) Boston University, is a hotbed of vague but revolting crime and that its students are youthful dissolutes. Yet the Institute has data enough to be well aware that this is a lie, and that there can never be a successful attempt to change the informal, friendly relations of teachers and taught in favor of a system of informers and stool pigeons, whereby a handful of transgressors against a few proprieties could be brought to book at the cost of an insulting scrutiny for the rest of the student body. It can only wish that it could make this truth catch hold in other quarters.

Good character is supposedly a consideration in the award of a university diploma, but of character one learns little when one boasts of watching it for twenty-four hours of the day. A second-story man in Sing Sing has a record unblemished of burglaries during his residence . . . But never mind. The "report" is out and it will be a long time before there is again celebrated with such pomp and circumstance so pretty a wedding between the ancient houses of Grundy and of Malaprop.



ZAMORA
South Transept of the Cathedral
From a pencil sketch made in Spain by H. L. Seaver