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IN CHARGE THIS ISSUE

Albert J. Browning '22.....J. M. Keck '23

WEDNESDAY, JUNE 16, 1920

GOOD-BYE, UNDERGRADUATES—WELCOME, ALUMNI

THE CLASS of 1920 is gone. After having devoured the yolk of knowledge, the ers while Seniors have broken their undergraduate shell and are now fully hatched out as Alumni of Technology. With joyous and the brood is already fluttering on its new-found wings and is disappearing to build its nests in other climes.

1920 is indeed a remarkable class. The largest in the history of the Institute, its 399 members are the first to complete four years in the new site in Cambridge. Under its regime, the list of undergraduate publications has been increased, dramatic talent has been raised to a never before hoped-for standard of excellence, and student activities have so expanded their scope of operations that visitors among the "old boys" fail to recognize the "pet hobby" they founded half a century ago.

Senior week has established a record which 1921 will do well to surpass. The officers and the committee in charge deserve praise for the well-arranged programs, the originality of the "stunts" and the characteristic spirit with which the whole was carried out.

The Class of 1920 has done much towards fostering good fellowship and closer association among the undergraduates—will it continue to hold this attitude or will it follow the general trend and gradually allow its regard for its Alma Mater to depreciate? How will 1920 co-operate with the Alumni Association to inject some fresh live spirit into the whole body of inert Alumni? A big job, but a big versatile class to do it—and no better place to start than at the fourth reunion next week!

So, farewell to 1920, finis coronat opus. And in the fitting words of acting President Thomson, "In bidding you Godspeed on the intricate journey through life, may I ask you to cherish your Alma Mater, for she will always deserve your loyalty and help. May you hold to the ideals set for you, and long be bound by the friendships you have formed during the years just past."

399 CANDIDATES RECEIVE DEGREES AT GRADUATION

(Continued from page 1)

velopment of the Port of Bridgeport," prepared with J. Nolen; H. O. Davidson, Mechanical Engineering, "The Fractional Separation of Cement by Elutriation," with W. F. Dewey; I. L. Moore, Electrical Engineering, "Electrification of the Suburban Zone of the New Haven Railroad," with E. G. Bangratz; J. H. Becker and C. H. Farist; H. R. Kepner, Sanitary Engineering, "The Sewage Disposal Problem of New York City,"; R. R. Ridgway, Electrochemical Engineering, "The Electrolytic Production of Chromates from Ferromanganese"; and H. A. Gray, Engineering Administration, "The Layout of a Small Carburetor Manufacturing Plant," with M. Shakespeare.

Dr. Talbot introduced the candidates for the Ph. D. and Sc. D., reciting the achievements of the candidates and recommending on behalf of the faculty that they be awarded the degree. The degrees were all conferred by Acting President Thomson.

Service Men Honored

When the Bachelor's degrees were being presented the names of the seven men of the Class of 1920 who died in the service of the country were read while all present stood reverently. The seven were: Francis B. Brock, Halmer C. Chidsey, William K. B. Emerson, Jr., William R. Handy, Thomas G. Nathan, Gordon Stewart, and Ermond A. Taylor. Following the exercises there was a reception in the faculty room at Walker Memorial.

Acting President Thomson's address follows in full:

During the first half of the year commencing the applications of science to industry were increasing rapidly. The need of special schools providing technical edu-

cation in technology became more and more urgent. It was felt in such increasing need that led to the inception of the Massachusetts Institute very nearly sixty years ago. Before such schools existed, it was usually the case that the young technician prospective or engineer became an assistant or apprentice to an older experienced man or to a firm, in much the same manner that lawyers and doctors were trained before the establishment of law and medical schools, which now exist as professional schools of learning in connection with a center of learning such as a university. The method of apprenticeship was outgrown and became largely unworkable when the profession of engineering involved extended and thorough training in such varied studies as physics, chemistry, mathematics, economics, etc. In fact, there was a period when the term "technical school" was equally as applicable to what we now designate as a trade school as to a real school of technical science, by which we mean an institution founded for study and teaching in the sciences as they are related to industry, furthered by special studies in various branches of engineering which have attained so much importance in these later years. So rapid indeed is this growth that new forms and extensions of engineering are continually in the making, as each new discovery becomes co-ordinated with art or industry.

Reviews History of Institute

The story of our Institute is the familiar one of small beginning and gradual expansion. Under the inspiration of Rogers, its first president, the seed was sown. He gave himself unstintingly to its nurture. The early years, the days of the Civil War, were critical years. In the face of difficulty and discouragements it survived, and year by year increased in influence and educational value, under a succession of able and by special studies in various branches of engineering which have attained so much importance in these later years. So rapid indeed is this growth that new forms and extensions of engineering are continually in the making, as each new discovery becomes co-ordinated with art or industry.

Gives Praise to Late President

The wonderful advances in the past ten years, including the removal to the

Alumni Notes

DOANE '12—DORR

The marriage of Katherine Dorr to R. H. Doane '12 took place June 10 at the Hotel Charlesgate on Beacon street. Miss Dorr is a member of the Vincent Club and Sewing Circle and took an active part in canteen and refugee work in France during the war. Doane graduated from Technology in 1912 in Course IV, Architecture. He did architectural work in Boston until 1916 when he was appointed consulting architect to the Philippine Government. He resigned two years later to serve as a lieutenant of engineers. Since the war he has resumed his profession as an architect in Boston. He is a member of the Boston Society of Architects and the American Institute of Architects.

Cambridge site, its buildings grand in their imposing simplicity, its enlarged equipment and endowments, will ever remain a monument to the devotion of its late President, beloved by all of us, Dr. Chaborn, who gave unspurningly of his life and thought to the great cause of its upbuilding, to extending its usefulness and influence in education, and to safeguarding its future. With a mental equipment most admirable for the work, he was an idealist, but the most practical of idealists. At the very culmination of his service he was taken away. His loss seems irreparable.

Early Connection With Institute

My own earliest acquaintance with the Institute was about thirty-five years ago, as non-resident lecturer on Electrical Engineering, the then recent developments in which were brought to the small body of students preparing for work in the electrical industries. At that time such instruction was given in the department of Physics under Prof. Charles R. Cross, there being no department of Electrical Engineering itself. General Walker was then President of the Institute. Called to service on the Corporation about thirty years ago, and for more than a decade a member of its Executive Committee, I have had an opportunity to acquire a considerable familiarity with its affairs. Fully conscious of my shortcomings, yet deeply sensible of the honor done me in the request that I serve in the capacity of Acting President, I am with you.

Endowments Show Appreciation

The Institute has in these later years received magnificent support in the gifts which have provided its land, its great buildings and their equipment. These and the later large additions to endowments, made so necessary in these times of high costs, are an evidence of the faith of the generous donors and friends in the great future of the school, and of a desire to insure that future by financial aid. The need will, in the natural growth of its activities, always demand such support increasingly. It cannot rest on its oars.

Work of Faculty Commended

On an occasion like this the opportunity presents itself for me to pay a well deserved tribute to the devotion of the faculty and the staff of the Institute, who, especially in the past few years of the stress of war emergency and its results, have carried on the work ably and effectively, materially aiding in the successful conduct of the war. Many of them have served in active military duties demanding the best engineering and administrative skill. Wholeheartedly they entered the struggle, as befits men loyal to country and to flag. The Institute may well be proud of the record of its students, graduates and undergraduates in the great cause; the cause of liberty and civilization for which the youth of our nation were called to make the heaviest sacrifices, even of life itself.

Necessity of Being Prepared

Let it never be forgotten, that so long as there exists on earth a nation that can or will arm itself and educate its people for years for war upon its peaceful neighbors, armed preparedness must be the rule whether we like it or not. Engineers especially, with their clean cut conception of the relation of means to ends, know that fact, and know also that in these days of facile transportation all nations are neighbors. Let not pettiness or false conceits of misadvised people ever hearken this issue. The unexampled sacrifice of life, the torture and suffering, loss of treasure, and enormous destruction of the world's resources we have witnessed in the past few years must not have been in vain.

To the Graduating Class

As Acting President, I have been commissioned by the Corporation to award the degrees which you have earned, and to deliver to you the diplomas duly signed as testimonials of faithful performance of duty and success in the studies you have pursued. It is an honor and a pleasure to perform this duty. The studies you have followed are destined to fit you for the adventure of the coming years. You have the example of the great body of alumni which has preceded you. I heartily congratulate you and most earnestly desire for you all success in the profession you have chosen. In severing the relations of teacher and pupil and facing the new responsibilities you will have in the world at large, you can hardly escape an emotion more or less profound. I have confidence in you, and am assured that you will manfully take up the work before you and earn success accordingly. To be doing useful work and solving the problems of your profession before you is a great privilege, and there is no more lasting joy than the joy of accomplishment. You may have in your student life often found the work hard; for there is no royal road to learning. Ability to do things comes with the doing of things, individual aptitudes vary, and it is to be hoped that you have discovered in yourselves special powers fitting you for the work you may choose to carry on in the life. Your education is begun. If you are wise, you will continue it assiduously through the coming years.

Value of a Command of English

There is no true satisfaction like that of a well stored mind. It is a valuable asset in all the relations of life. You have been trained, I hope, in the

EIGHTEEN WRITERS SUBMIT SCENARIOS

Tech Show 1921 Receives Plots A-Plenty—Uphold Quality of Former Years, is Professor Rogers' Comment

WITHHOLD AUTHORS' NAMES

Prospective scenarios for Tech Show 1921 submitted to the management during the past few weeks disclose a total of 18 men contesting for the honor of the show's authorship.

Commenting on the quality of the scenarios presented, Professor R. E. Rogers, who is aiding the show board in selecting a play, stated yesterday that the plots thus far have been highly satisfactory. "The scenarios which have come to us," said Professor Rogers, "have been very good indeed. We have considered 18 in all, and find them fully up to the averages of previous years."

Emphasize Popularity.

"The main element being taken into account in choosing the play to be used," the Professor said, "will be the probable popularity of the plot, the appeal it will make to the usual Technology audience." The plots range all the way from burlesques on old stories to modern musical comedies. No treatment is predominant.

The show management expressed itself as gratified with the originality displayed by the scenarios, stating that very little trouble is expected in avoiding imitation in next year's production.

Of the 18 authors, more than half will be in residence at the Institute this summer, and will devote their spare time to developing their plots into full-fledged plays. Both the management and Professor Rogers refused to make public the names of the competing scenario writers.

ability to express your thoughts clearly in terse, concise, accurate and perhaps interesting English. Such power is, I think, more important to the engineer than it is to the "litterateur." Conciseness, accuracy of expression, and freedom from ambiguity is the sign of a clear mind. Excess of loose writing and printing is a modern curse. You have at least begun the accumulation of the material of thought, and training in thought processes has been yours; you have been taught to reason correctly, to recognize that which is probably true from the likely false; you have been put in touch with the sources of information; you know the uses of the library, the diagram, the co-ordinate curve, the mathematical expression. You have become familiar with the special publications in your chosen field, the proceedings of its societies, the classics of your art, maybe. You have acquired, perhaps, a certain philosophy of living. You have learned the high ideals of the leaders in science and the results of their work.

Necessity of a General Education

One of the objects of learning is to be able to avail one's self of the experiences of others. Do not allow yourselves to become only narrow specialists. Include too in your reading such subjects as will lead to general culture. You will be fortunate if you are constituted to enjoy good music and works of art. To rest from labor does not mean idleness or apathy, but change of activity; the world has much of beauty and interest for us, that we could not exhaust it in several lifetimes, were they ours. Engineering is simply science applied to useful purposes.

Advise All to be Useful

With every forward advance in pure science, so called, there comes the possibility of its utilization sooner or later in meeting practical needs of humanity. You may have heard of that famous exponent of pure science who thanked God that his discovery could be of no practical use. He is gone, but forgotten. The engineer has need of fair familiarity with one or more languages other than his own; such as French and German. They will always be of great help in following the developments in science and technology, and be also conducive to general culture. You have probably learned that there is a vast difference between our conception of culture and the "Kultur" which has almost wrecked the world. Still, to those who would cut out the study of German, I would say that the study of a language is not to be shunned on account of the crimes of the people who speak it. I could wish, also, that it was the rule in preliminary education to teach more thoroughly Latin and Greek etymology of English and other modern language words, even in the study of ancient

(Continued on page 3)

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