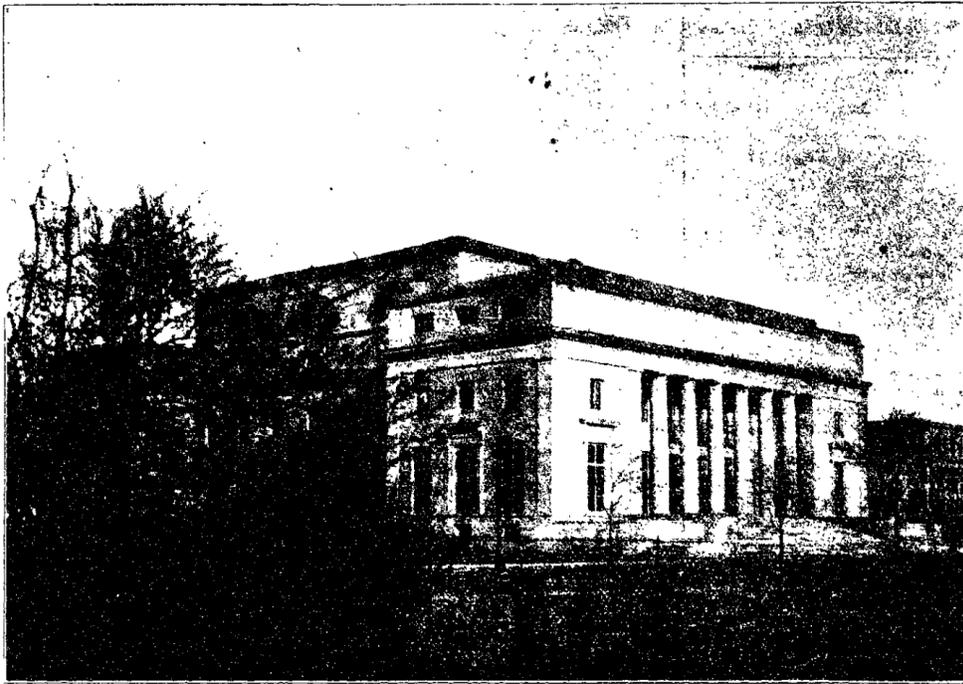


# Scene of Commencement and Inauguration



WALKER MEMORIAL

## Doctor Nichols' Voice Carried to Every Corner by Amplifiers

(Continued from Page 1)

the times, and to understand broadly and in the widest aspect the importance of technical education to the state, nation, and world.

His Excellency Governor Channing Cox will follow Dr. Thomson, and after him will follow President A. Lawrence Lowell of Harvard. Then Professor Talbot, representing the Faculty, will talk.

### Faculty Welcome by Professor Talbot

It is expected that Professor Talbot will address the gathering with a message of welcome from the Faculty, outlining the history of the old Technology, from its meager beginnings on Summer Street with its fifteen students to its present munificence of 3,000 undergraduates, a glorious war record, and a strong, united Faculty. He is expected to review the new courses of co-operative engineering recently formed here and to dwell upon the significance of the step taken by the inauguration of the Technology plan, whereby industries are able to secure research of high, academic standing, and at the same time provide for the support of the work. Professor Talbot, is expected also to outline a few of the problems caused by the great overflow of students, inadequate equipment, and large financial difficulties.

After the singing of an ode, "The Institute," written by Frederick P. Fish, Doctor Nichols will deliver his address. In his speech, the new President will probably not touch on the specific problems of the Institute, due to his unfamiliarity with them, but will speak broadly of the problems of science in general. It is well realized that each generation must start from the beginning and learn all that has gone before, and then advance the sum total of the world's knowledge. Probably Doctor Nichols will bring this out in his speech. Doctor Nichols believes that a man who is half educated is worse and more dangerous than one uneducated, and so he looks in education for an all around, trained personality, rather than one highly specialized on one thing alone, and he may bring this point out in his talk.

### Emphasizes Co-operation

The new idea of industrial co-operation between the school and factory will probably be discussed fully. Another huge problem, which is the ultimate aim of technical education, is the training of men for managerial responsibility. The two classes of workers, the brain and the hand, must be co-ordinated and industrial peace made secure by a proper understanding on the part of the brain worker of the hand laborer. This great vital topic of human engineering is expected to be dealt with at length by Doctor Nichols.

### Form Procession

Seated on the platform besides the speakers will be the governor's aide, Dean Burton, Dr. James P. Munroe and Francis R. Hart, respectively secretary and treasurer of the corporation; Professor E. F. Miller and E. B. Wilson of the Faculty; Frederick P. Fish, Edwin S. Webster and George Wigglesworth, life members of the corporation; and Leonard Metcalf and Arthur D. Little, president and incoming president of the Alumni Association.

At the conclusion of the exercises an academic procession will be formed and Doctor Nichols will be conducted through the great court to the educational buildings of the Institute. Here a brief reception for

the delegates to the inauguration will be held.

Captain Frank A. Locke as chief marshal will head the procession, followed by Doctor Nichols and Doctor Thomson; the other speakers, escorted by Mr. Munroe and Professor H. W. Tyler; the delegates, escorted by Professors Dugald C. Jackson and William Emerson; the corporation and Faculty, escorted by Professor W. H. Lawrence; the Senior Class, escorted by Professor Charles L. Norton; the Alumni, escorted by I. W. Litchfield and Merton L. Emerson; and the undergraduates, with Professor T. H. Dillon at their head.

The procession on leaving Walker Memorial will pass between lines of students and their friends through the great court. While academic garb has been left optional with those attending, many of them will be clad in their robes.

The delegates will include representatives of all the New England institutions of learning and also of the other institutions with which Doctor Nichols has been connected. Columbia, Cornell, Dartmouth and Kansas Agricultural College.

### Amplifiers Used Before

The amplifiers used in the ceremonies were installed by the American Telephone and Telegraph Company, and they are the same device that was so successfully used at President Harding's inauguration. A crowd of over a quarter of a million was able to hear President Harding, and as there are quite a few amplifiers placed throughout the Walker Memorial and on the front steps, it is expected that all will be able to hear perfectly. The equipment used here is not on so large a scale as that used at Washington, but is more like that employed at the Chamber of Commerce Dinner in New York at which Mr. Hoover spoke. At this dinner the amplifiers were completely successful, and Mr. Hoover's voice, which does not possess very great carrying power, was clearly heard in all parts of the room.

The transmitters will be located in a pedestal about three feet in front of Doctor Nichols and from these the sound is carried by electrical energy back to the amplifiers which will be in the room directly back of the main hall. There the sound is amplified and transmitted to four large horns placed over the speaker's head and concealed from view. No sound will be heard from the horns by those close to the speaker, but as the distance increases the horns will be heard more and more.

### Apparatus is Perfect

Mr. Ross states that the apparatus is practically perfect and that the time lag between the speaker's voice and its reproduction is negligible. It is also planned to have some of the horns located outside so that the overflow of spectators may hear the speech just as well as those inside.

The group inside will be made up of those who are to take part in the ceremonies, the delegates from other colleges, the Faculty, the Senior Class, the Alumni, and the remaining room will be filled with students. After the ceremonies the students are asked to form in two lines outside Walker to permit the passage of the procession of the Alumni, the Faculty, and the delegates, which will be headed by Doctor Ellhu Thompson and Doctor Nichols. After the procession has passed the students will form in line back of it and follow the procession, which will go through the Institute.

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