



Armour Tech News



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HOTCHKISS TALKS AT WASHINGTON COMMEMORATION

Stresses a Need for Fortitude at the Present

MUSICAL CLUBS ASSIST

President Hotchkiss delivered the address at the annual Washington's birthday assembly held last Tuesday morning. The assembly which was Armour's tribute to the memory of Washington was opened with the singing of "Land of Hope and Glory" by members of the glee club.

Discusses Character

President Hotchkiss opened his address by distinctly pointing out that he did not intend to lecture about Washington or discuss any of the various parts of his life; he only intended to say a few words about him in the course of his speech. He then proceeded to point out what he thought was the one outstanding quality of Washington, namely, fortitude. He thought that this particular quality was needed by everyone who intended to be the master of the present economic situation. He stated that fortitude was a quality which Washington demonstrated throughout his career and which is an essential quality for everyone to strive for.

Tells Anecdotes

Several examples of authors who are rated among the so-called "debunkers" of Washington were brought out by President Hotchkiss in his speech. He also related an anecdote told about President Jackson. The architects for one of the new government buildings had had quite an argument on the question of its location and had been unable to come to an agreement. President Jackson went out to look over the proposed sites, and finding one to his liking, he thrust his cane into the ground and exclaimed, "By the eternal she goes there!" President Hotchkiss indicated that this idea might prove helpful in selecting the location for the new Armour buildings.

Offers Aid to Students

In closing President Hotchkiss expressed an earnest desire to help all students of Armour on problems concerning their work around the Institute or any other problems that might arise, and invited them to come into his office whenever the need arose.

Rifle Club High in Tournament

The Armour Tech Rifle Club has distinguished itself by taking the greatest number of points to date in the tournament sponsored by the Illinois State Rifle Association. The results following, however, cover the first two of a series of six meets. Armour is first with a total of 1866 points; the Franklin Rod and Gun Club follows with 1756 points; and the Edinburgh Legion Rifle Club is last with a total of 1577.

The first two meets were played off on the third and tenth of February, and the remaining four will follow in due order. The winner of the tournament will receive the title of state champion, and the remaining teams will be ranked according to their standing in the meets. Donald G. Wilson, E. E. '33, is at present the highest ranking individual in the meet.

The names of the Armour men competing are as follows: Helmick, captain; Hollmann, Wilson, Hackley, Rensstrom, Marow, and Harwood.

Rifle Club Meeting

The Rifle Club will have a meeting, Wednesday, March 1, at 12:20 p. m. in Room E of Chapin Hall. There will be the regular order of business and election of officers. All students interested are cordially invited to attend.

Contest Open to Soph Electricals

Eta Kappa Nu, honorary Electrical Engineering Fraternity, announces its annual essay contest. This contest is open to all sophomore electricals. The essays which should be on some phase of electricity of interest to the contestant, will be judged on originality, general interest, and treatment of the subject matter.

The award will be a copy of the new sixth edition of the Standard Handbook for Electrical Engineers. The judges are to be J. W. Juvenal, W. W. Lange, M. L. Preban, R. P. Ryckbit, and P. J. Thompson. All essays, which should be from one to two thousand words in length, should be in the hands of one of the judges by May 1.

Winners in past years have written on the following subjects: "Lighting—A Review of Progress Made in Its Study"; "Sun Spots and Their Effect on Radio"; "Directional Beam Wireless Transmission."

The winning article will, in all probability, be published in a future issue of The Armour Engineer.

Student Conference Discussed by A.S.M.E.

Addressed by Mr. Leonard, secretary of the mid-west section, the A. S. M. E. held a short meeting Friday morning, during which many important topics were discussed.

The society has long been contemplating a student conference of all the nearby colleges, and it seems that the plans are finally coming to a head. This conference, which will be composed of student members primarily, will probably be held on April 23 and 24. It is expected that student branches from as many as 15 colleges will be represented, one delegate from each, who will display their respective college newspapers in comparison with those of the others.

The Armour branch will act as a sort of host to these various institutions that will be represented, being one of the largest chapters in this section.

The conference will require two or three days, following which the various sights of Chicago will be taken in, particularly the World's Fair exhibits in attendance.

Discuss Biochemistry At Meeting of A.C.S.

Dr. Clyde Harold Bailey, professor of agricultural biochemistry at the University of Minnesota, delivered an address on "Physical and Chemical Methods in Applied Biochemistry" at the monthly meeting of the American Chemical Society at the Midland Club last Friday evening.

General Gilchrist, chief of the Chemical Warfare Division of the U. S. Army, a visitor at the meeting was called on to say a few words. He told of the effect of the present economic conditions on chemists and also gave his opinion on the use of chemicals and poisonous gases in warfare. He believed that poison gas was actually a more humane weapon than firearms, calling attention to the fact that both sides in the late war had experienced a much smaller percentage of fatalities from gas than fatalities from firearms.

At the close of the main session the meeting adjourned to the various group meetings, inorganic, analytical, organic, biochemical, physical chemical, and chemical education, which were held in adjoining rooms. The latter group featured a talking picture designed for class room instruction.

A number of Armour students and professors attended.

W. S. E. MEETING

G. A. Haggander, chief bridge engineer of the Burlington Route, will deliver an address on bridge construction before the Western Society of Engineers on Friday, March 23, at 10:30. Mr. Haggander is an Armour alumnus having graduated in 1907.

NOTICE

A special bulletin describing the course in Chemical Engineering will be ready for distribution at the office of the Deans on Friday, March 3. This is the fourth number of a series covering courses offered by the Institute.

A. I. E. E. Smoker to Be Thursday

Members of the American Institute of Electrical Engineers will attend a smoker to be held in the rooms of the Trust Club located at 2423 S. Michigan Avenue on March 2. This period of amusement will start at 8 o'clock and most of the members of the electrical engineering department will be present. Invitations are being extended to all the faculty members of the department.

The evening will be devoted to bridge playing or to any other card game desired and to an act which will be really clever according to the officers. Those who attend the smoker will be mystified and entertained by Mr. Francis Waldman, a contemporary of such great magicians as Houdini, Thurston, and Carter. Waldman will present a program of mystery including sleight of hand, illusions, and tricks and other interesting exhibitions in the art of magic. It is promised that this part of the entertainment will be very interesting and well worth everyone's attendance.

An invitation is extended to all those desiring to attend the smoker but living too far from school to go home and then return to make themselves at home at the Trust club rooms for the few hours preceding the entertainment.

Henderson To Speak at A. I. Ch. E. Meeting

Mr. W. F. Henderson, chief chemist for the Visking corporation, will talk before the A. I. Ch. E. next Friday, March 3, at 10:30. He will give an illustrated lecture on Viscous Castings for engineers.

Last Friday, February 24, at 10:30 in room C Main Hall, Mr. Louis Threlkeld, curator for the chemical division of the Rosenwald Museum of Science and Industry, spoke before the organization. The fact that there is a very practical side to chemical engineering aside from designing and setting up equipment, was the theme of the first half of the speaker's talk.

The last half was devoted to a discussion of the various chemical engineering problems presented in the equipment and demonstrations to be shown in the chemical division of the Rosenwald Museum of Science and Industry. The museum will open to the public about the first of May. It is located in the old Fine Arts Building in Jackson Park.

Engineering and Power Exposition Scheduled for Week of June 25

The 6th Midwest Engineering and Power Exposition will be held during the week of June 25, 1933, instead of in February as formerly. The change has been made to give Engineers attending "Engineering Week" an opportunity to transact business with a large group of manufacturers who will be showing their products at the Power Show. Early indications point to a complete utilization of the 25,000 square feet of floor space at the Coliseum Building with exhibits of machinery, equipments and supplies portraying the latest advances in the various wide uses of power—from ordinary power operated tools to large generators, engines, pumps, heating and air conditioning and many others of like importance.

The educational features of the Power Show will be sponsored by Armour Institute of Technology, Chicago, and Mr. George F. Gebhardt, Prof. of Mechanical Engineering, will be in direct charge. It is hoped that these features will be particularly

Radio Talk Given by Dr. Hotchkiss

Dr. Willard E. Hotchkiss, president of Armour Institute of Technology, talked last Sunday evening on the Armour Tech radio program from station WJJD, Chicago. Dr. Hotchkiss' appearance on Sunday's program was arranged when the scheduled talk of John R. Cantley, Bendix Aviation Corporation official, was changed to Sunday, March 5.

Discusses Economic Problems

The talk given by Dr. Hotchkiss was a general discussion on economic problems. He stated first, that world problems, social, economic, and political, are so vast and complex, that none of the remedies which have been conceived and applied thus far, can hope to effect any considerable recovery. Availing that he himself is "frankly agnostic" both as to the causes of depression and the remedial measures which will prove to have been most useful in overcoming it, Dr. Hotchkiss pointed out the fact that specialists do not ever agree in their "diagnosis" of world illnesses.

Notwithstanding the apparent hopelessness of world wide conditions, Dr. Hotchkiss recommended a procedure which, he said, cannot fail to be productive of good results. The slackened activity of all kinds which occurs in times of adversity, he pointed out, can be turned into an opportunity for rehabilitation.

Must Plan for Future

Industrial, business, and social organizations should use the time which is now released from productive activity for general "stock-taking" and planning for the future, according to Dr. Hotchkiss' belief. He mentioned several organizations, both industrial and educational, which are engaged in such efforts. However, unimportant these individual measures must seem in the face of gigantic difficulties, if practiced widely he believes that they can do much to hasten recovery in all fields.

Chess Club Members Will Play Wheaton

Members of the chess club expect a match with Wheaton and intend to progress and make a name for themselves during the next few months.

The club has been organized since October and there are about twenty active members, most of the others being inactive due to their class schedules. The offer for instruction is still open to beginners and they are welcome to come up to the Campus Club at any time. The club has received notice from a new club in Wheaton regarding a match and they expect to complete arrangements in the near future.

B. J. Lodeski is the temporary president and under his leadership the club has advanced rapidly.

F. P. E. S. to Hold Annual Smoker

The annual smoker of the Fire Protection Engineering Society is to be held the evening of Thursday, March 2, at the Theta Xi house, 3305 Michigan Boulevard. Mr. J. V. Parker, Mr. W. R. Townley, and many of the alumni are expected to attend. There will be a novel program of entertainment and refreshments for all. All F. P. E.'s are invited to attend.

Salamander will award its annual prize at the smoker to the freshman who has the highest scholastic standing. This prize is a valuable Croasley-Fiske-Forster Fire Protection Engineering Handbook.

At the meeting of the Fire Protection Engineering Society held Friday, February 24, a very interesting motion picture was shown by Mr. R. E. Vernon, manager of the Fire Protection department of the Western Actuarial Bureau. The movie was called "The Red Carnival" and depicted recent large fire losses.

Senior Electricals Inspect X-Ray Labs

Last Thursday, February 23, Professor Freeman and a group of senior electricals made an inspection trip to the General Electric X-Ray Company, 2012 W. Jackson Blvd. The company manufactures not only X-ray equipment, but also doctor's electrical apparatus, such as therapeutic and violet-ray machines.

The X-rays are used in three general ways—to take internal pictures of various parts of the body; to treat diseases, such as cancer; and to inspect machinery for flaws. The latter use is becoming very common in industry for the inspection of airplane pistons, rails, etc. Strange to say, the efficiency of the X-ray tube is only 0.01 percent; the other 99.99 percent of the energy is changed into heat. For this reason tungsten, which has a very high melting point, is used for the filament and target, and a special heat-resisting pyrex glass composes the walls of the tube. This glass is one-quarter inch thick or more, to prevent it being punctured by high currents. X-rays, besides being beneficial, can also be harmful, and have to be used in lead enclosed rooms to prevent their escape.

Senior Announcement Contract Is Awarded

The contract for the senior graduation announcements has been let to the Charles H. Elliott Company, the same company that held the contract last year.

The announcements this year will consist of two grades, one with leather covers which will sell for forty-five cents apiece and the other with cardboard covers for twenty-five cents apiece. They will include a list of the seniors, the history of the class, class officers, a picture of the Institute, baccalaureate exercises, and the graduation exercises.

Orders for the announcements will be taken by certain members of each department. According to B. Larson, chairman of the announcement committee, all orders are to be turned in by the latter part of March.

President to Attend Amherst Alumni Club

Doctor Hotchkiss, Dean Penn, and Professor Hendricks will be present today when Dr. Stanley King, recently chosen president of Amherst College, addresses the Rotary Club of Chicago and the Amherst Alumni Club of Chicago at a luncheon at the Sherman Hotel. Both Doctor Hotchkiss and Professor Hendricks have long been friends of Doctor King. Professor Hendricks is himself an alumnus of Amherst College.

The presidents of the University of Chicago, Northwestern University, Loyola University and other universities and colleges in this district will also attend.

ARMOUR MUSICAL CLUBS APPEAR IN PUBLIC CONCERTS

Orchestra, Glee Club to Perform at Hotels

HEARD ON RADIO

For the second time the Armour Glee Club has made its appearance over the air. They were heard last night in a fifteen minute program beginning at 4:45 over station WGN from the studios in the Drake Hotel. The program presented was made up of the following songs: "Salutation" by Gaines; "Finlandia" by Sibellus; "Trumpet" by Dieck; "Song of Fellowship" by Harris; and the "Armour Fight Song." The double quartette presented the melody "Out of the Dusk to You" by Dorothy Lee. Previous to their appearance on the air the members of the club were shown through the broadcasting station and were given a brief idea of the work entailed in the planning of broadcasts.

To Entertain at Evanston

This completes the second of a series of four, and perhaps more appearances of the Glee Club outside of the Institute. On Sunday, March 12, both the orchestra and glee club will be entertained by Mr. Kilum of the North Shore Hotel of Evanston, after which they will give a concert in the hotel ball room. The concert will begin at 7:30 p. m. and the public is cordially invited to attend. Special preparations and decorations for the ballroom are being planned, and a large gathering is expected.

To Present Concert March 17

On Friday, March 17, the orchestra and glee club will unite in presenting a concert in the apelon hall room of the Belmont Hotel. There is to be a dance following the entertainment, presented by the Alumni Association of the Chicago Teachers College. The members of the two musical clubs are invited to be present and join in the dancing.

There are tentative plans for further engagements, but they have not as yet appeared in concrete form. The glee club is to be congratulated upon its advent over the air and it is hoped that its increasingly widespread activities, with the orchestra in collaboration, will make the musical clubs a more widely known and recognized organization. An important step has been taken, and undoubtedly will pave the way for further activities.

President Guest at Alumni Lunch

Dr. Hotchkiss, our new president, was the guest of the Armour Alumni Association at a luncheon held at the Union League Club last Wednesday, February 22. The officers, advisory council, and the board of managers of the association, all of whom were elected at the last business meeting of the alumni, were present.

Dr. Hotchkiss spoke briefly on the functions of faculty, trustees, and alumni in the development of Armour Institute. He was confident that the alumni would be of great assistance in effecting the plans for development.

John J. Schommer, president of the Alumni Association, outlined the association's plans for the coming year; and Professor David P. Morison, secretary-treasurer, told of his plans for more efficient dispatch of association functions.

A general discussion of alumni affairs, the organization of branch chapters, and alumni news followed.

PHI LAMBDA UPSILON

Last Thursday night Phi Lambda Upsilon, honorary chemical society initiated two senior chemicals, Walter G. Hollmann and Vincent J. Galvani, at the Phi Kappa Sigma house.