



Armour Tech News



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SIDELINES

By LEROY BECKMAN

GUGLIELMO MARCONI, inventor of wireless telegraphy, observed his sixtieth birthday just last week. At the time of observance, the distinguished Italian scientist revealed a futuristic outlook for scientific endeavor. Marconi said: "At sixty one is forgiven for being reminiscent. I thank God I am looking toward the future full of curiosity about what is still unknown."

THE OUTLOOK rendered by Marconi is ideal. Ideal in the sense of the word that every scientist, engineer, and business man should encourage. Progress is synonymous with outlook. Without outlook we have no progress. And yet, when a man reaches the age of sixty and emphatically states that he has "curiosity about what is still unknown," we wonder what the futuristic attitude of the man of twenty is. Theoretically it should be three times as much—actually, it appears to be very much less.

"THIS WORLD," Marconi declared, "is growing younger and more comfortable every year. This is the reward of our labors. So let's get back to work, despite the sixties years behind us." The college man of today should say, "Let's get to work, because there are some sixty years ahead of us in which room for improvement exists." If Marconi has an outlook, we must certainly be entitled to one. It is not implied here that worry, weariness and gray-headedness be effected in progressive efforts. But one should be reminded that individual progressiveness must be sought for, it will not make the rounds. To sit back means nothing. To possess an outlook means everything. Let's all have it.

PRESIDENT Roosevelt's policies with regard to Japan's encroachment upon China have shown considerable in the way of decision. The president made it known through the Secretary of State that if the administration takes any steps in the matter against Japan's arrogation of the right to prevent China from buying airplanes and other goods in the United States or hiring American experts it will be in conjunction with the other powers. It appears as though the undesirable trait of self-intervention on the part of this country has been finally eliminated.

IN SPITE of the president's efforts to ally Japanese ill feelings toward the United States, even to the extent of withdrawing the American fleet from the Pacific for a temporary sojourn in the Atlantic, the Japanese think and talk a great deal about war with the United States. Reports have it that during the past

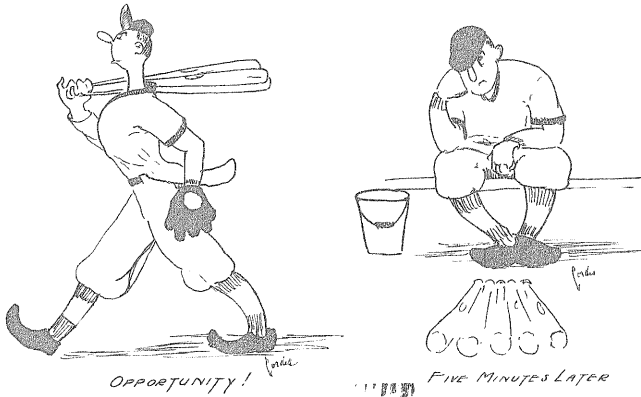
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Junior Jackets for Junior Week

Last week in the electrical lab the juniors were measured for their jackets. Their orders were sent in Monday and the jackets will be delivered before Junior Week.

The high class jackets are made as regular sport jackets and can be worn with white or grey flannel in the summer. The jackets are made in Des Moines, Iowa, and are sold in Chicago by Maurice Sanders, 129 N. Clark Street. The price of the jacket offered to the juniors is about six dollars while the regular retail price is ten dollars.

The type of monogram that the jacket will carry has not been definitely decided upon, but before a choice is made each fellow can show his preference through his committee man and then the most appropriate one will be selected by the committee. Those who have not been measured last week can be measured this week before Friday and they will get their jackets before Junior Week.



Sophs Advised to Ease up on Frosh

The sophomores were requested to cease hostilities for two nights in Junior Week by junior marshals T. F. Jones at the soph class meeting, Friday, April 27. These two nights are special occasions: Open House, May 14, and the night of the Spring Concert, May 17. The visitors must carry away a feeling that the students of Armour Institute of Technology are gentlemen even if it is an engineering school.

Captains for the interclass baseball and track teams were chosen. H. Bullenmaier was elected baseball captain by a large majority, while D. J. Neal was elected track captain by a small margin, his nearest opponent being D. H. Hoag.

The dean's office does not favor the new popular street brawl between the sophs and frosh, as somebody is likely to be seriously injured on the hard pavement. The sophs were advised to carry their grudges to Ogden Field and settle them. Junior Week may be abolished if any serious accidents occur.

Senior Group Visits Metal-Working Plant

Through the courtesy of the W. A. Jones Foundry and Machine Company, the Senior Class in Fire Protection Engineering was privileged to inspect their plant at Kostner Avenue and Roosevelt Road on Friday, April 20th. Mr. W. F. Coleman, Vice-President, personally escorted the group through the various sections of the plant, outlining the processes which go into the manufacturing of cut gears and speed reducers. Sections visited were the Boiler House and Engine Room, Pattern Shop, Foundry, and Machine Shop. The risk is protected throughout by a two-source automatic sprinkler equipment and particular attention was given to the types of water supply, control valves, dry pipe valves, and similar protective features. At the end of the visit, each senior was presented with an "Ever-harp" pencil by the management. The trip was exceedingly worth while, since it afforded an example of a typical automatic sprinkler protected metal working plant.

Tech Marksmen Win First Humboldt Meet

For the final match of the season, the Armour Tech rifle team is completing the three leg meet with the Humboldt Park rifle team. The first leg was won by Armour and Thursday, May 3, at Humboldt. This match is an annual event, the winner of which receives a trophy. Awards for the Illinois State rifle championship are being withheld for public presentation.

Math Association Sponsors Meeting

Armour Faculty Will Be Well Represented

The Armour Institute of Technology, a charter member of the Illinois Section of the Mathematical Association of America, will be well represented in the annual meeting held at Illinois College, Jacksonville, Ill. on Friday and Saturday, May 4 and May 5. All of the members of the department of mathematics plan to attend and many members of the Institute who are interested, are invited to attend the lectures. A complete program may be obtained from Professor W. C. Krathwohl, head of the department of mathematics and chairman of the meeting.

Through the efforts of Professor Krathwohl an interesting and varied program has been arranged, and the form of the program altered and greatly improved in appearance. Many of the distinguished mathematicians of the state of Illinois will give brief and interesting talks on various mathematical problems.

At 8:00 p. m. Friday, May 4, Professor D. F. Campbell will give a talk on "Fundamental Principles Involved in a Well Populated Pension System." Dr. Campbell is the head of the department of mathematics at the Armour Institute of Technology from 1901 to 1926, 25 years. He was actuary of the Illinois Pension Commission in 1916 and of the Milwaukee Pension Commission of 1920. In 1920 he was actuary in charge of the investigation of all public funds of Illinois, conducted under the direction of the Director of Trade and Commerce. He has been actuary in drafting bill for two pension funds in Wisconsin and eight in Illinois. Other speakers are: Dean E. J. Moulton of Northwestern University, Dr. G. E. Moore and Prof. A. R. Crathorne of the University of Illinois, and Prof. M. I. Logsdon and Dr. R. G. Sangor of the University of Chicago.

Institute Sick List Rapidly Convalescing

A number of those connected with the Institute have been suffering with illnesses lately, but all are now reporting improvements. Dean Penn is back in school this week, having recovered from an attack of laryngitis.

Professor Amstutz, who was injured by an automobile last January, is now at home and convalescing. However, he is still confined to a wheel chair, and will probably be unable to return to the Institute this semester.

Mrs. J. S. Thomson, wife of Professor Thompson of the physics department, who was dangerously ill last week, is now greatly improved. She is still in St. Luke's hospital.

Professor Bentley, whose knee was injured in a fall, is also improving satisfactorily.

"Romancers" May be Given Twice

The Armour Players have definitely decided to produce "The Romancers" at one performance only, unless a plethora of tickets is sold necessitating an extra performance. The scheduled production is on Friday, May 11, the Friday before Junior Week. If another performance is necessitated, it will take place on Saturday, May 12. Those who would rather attend the Saturday production are urged to purchase tickets immediately for those will be exchanged for tickets for the Saturday performance if one is required.

An addition to the cast is announced, J. D. Schulz taking the role of the notary in the play.

Several posters have been submitted in the poster contest, but embryo commercial artists have until May 5 to get their designs entered.

History of Schmier Trophy Is Reviewed

Frank Smetana, founder and sponsor of the West Side Dillinger Club, has received due recognition, the Schmier trophy. The Dillinger Club, because a broken thermometer on a wire, to be worn in plain sight, as the future rhinoceros who have broken apparatus. The incident of the club circulates so fast that it is awarded to the lucky individual before the falling apparatus begins.

Frank, a disbeliever in many physical phenomena, now believes the fact that an air column has a very small coefficient of thermal conductivity. The experiment used to demonstrate the theory was an upright condenser minus water in the jacket. The mixture of benzol alcohol and sodium carbonate was unconsciously propelled out of the system by the generated steam, and plastered the surrounding landscape indiscriminately.

The four honored men preceding Smetana are J. Kahles, H. P. Milwaukee, O. Ziesels, and A. Kahles. Kahles discovered the proper temperature limits for the manufacture of chloroform. Milwaukee discovered the proper temperature for the synthesis of ortho-nitrobenzene. Ziesels learned to recognize his nation's benzoin acid, and Kahles discovered the vapor density and inflammability of benzene.

W. S. E. to Elect New Officers on May 11

The meeting of the Armour branch of the Western Society of Engineers originally scheduled for last Friday, May 4, was postponed. The speaker, Mr. H. P. Ramey was ill and unable to attend. There will be a business meeting a week from next Friday for the purpose of electing officers for the coming year.

Annual Convention Is Held by A.S.M.E.

The American Society of Mechanical Engineers held their second Midwest Student Conference at the Allerton House on last Monday and Tuesday, April 23 and 24. About 55 men represented the Armour branch of the A. S. M. E. including Professor Peebles and Professor Nachman.

Robert W. Suman, chairman of the convention, read the welcoming address sent by telegram from Mayor Edward J. Kelly. He expressed his regret that he was unable to attend the convention. Mayor Kelly was represented by Captain Victor Kiseba who made the opening address in which he outlined the work Mayor Kelly had done as an engineer on the South Park Board.

L. D. Gayton and Dr. W. L. Abbott who have presented interesting talks at A. S. M. E. meetings at Armour were also present.

Professor Peebles presented an interesting talk on "The Field of Refrigeration." T. S. Kieseling, University of Iowa, received the \$50 first prize on his article entitled "Anti-Knock Properties of Alcohol-Gasoline Blends." The second prize of \$25 went to J. W. Ruff, University of Illinois, his article entitled "Absorption Refrigeration for Refrigerated Trucks." The third prize of \$10 was awarded to John R. Bonell, Lewis Institute, the title being "Division of Land Between Large Turbine Generators."

A message from Col. Paul Duff, president, was read in which he said that English and social science and other minor points in the education of an engineer should be more thoroughly stressed.

Inspection of the Illinois Steel Company, south works, was enjoyed by 100 fellows of the group, American Can Co., Pullman Car Manufacturing Co., and the International Harvester Company tractor plant comprised a series of interesting inspection trips.

Souvenirs of the convention consisted of steam tables, steel rules and carbide-tipped lances.

Movies Are Shown to Social Science Class

On Wednesday last week a movie of the Chicago water works was shown before the classes of the social science department. The speaker was Henry R. Matthies, senior designing engineer of the Bureau of Engineering of the City of Chicago.

Mr. Matthies is a graduate of the class of '08 in the department of civil engineering. The speaker was obtained through the efforts of one of the science group in connection with their report.

Mr. Matthies gave a history of the development of Chicago's water supply. The first pump was built in 1837 and the water was distributed through hollow wooden logs. He traced the growth of the system up to date, where it is capable of providing two billion gallons per day. To give an idea of the extent of the distributing facilities, he said that if all the large water tunnels were placed end to end they would reach from here to Boston Harbor, and the water mains would reach from here to the Pacific coast.

Armour Engineer to be Issued on May 14

Present plans of the Armour Engineering staff are to issue the magazine on May 11, the first day of Junior Week. This issue will contain the following articles: "Social Science and the Engineer" by Prof. H. P. Dutton; "Electronics" by Prof. J. S. Thompson; "Standpipe Systems" by G. W. Wheaton; "Accumulators for Peak Loads" by E. M. Gibran; an article on Junior Week and the usual diverting humour section.

CAPACITY CROWD DANCES AT SOPH-FROSH INFORMAL

Best Attended Social Event of Current Season

LIGHTING UNUSUAL

Filling the Oriental Room to capacity, the Frosh-Soph Informal once more became the best attended dance of the social season. Sparring no expenses in making the occasion a memorable one, the combined social committees had many novel features. An illustrated place card and indirect lighting are a part of the Oriental Room of the Knickerbocker Hotel while a variety of lighting effects continually change the atmosphere. The music furnished by Dell Coon and his orchestra satisfied the dancers who demanded many encores. New inserts for the bids with programs to match also added to make this dance an elaborate affair.

A large number of upper classmen and persons not connected with the Institute were present at the dance and this gives an idea of the extent of the bid sales. The co-operation of the entire student body will make a dance at Armour a financial success was exemplified by the Frosh-Soph Informal.

Junior Fire Protects Inspect Steel Plant

Last Thursday the junior fire protectors made an inspection trip to the Inland Steel Company, Indiana Harbor, Indiana. Starting at the office of the plant, the group was guided through the huge mills and various operations were observed.

Proceeding through the plant, the group saw giant machines rolling sheets of metal 400 feet long and 176 inch thick to be used in the manufacturing of cars. After rolling, the sheets are coiled, cooled, and later annealed. The group also saw the tin alloy used in the manufacture of tin cans in the process of molding.

Continuing on, the group was shown blast furnaces. These are three stories high, lined with brick, and water cooled. Their life is about three years. In time to see how these furnaces are tapped, the inspection party started while the furnace, drilled out, burnt their way through three feet of solid metal to get at the molten metal behind it. The molten stream is allowed to drain away from the furnace through ditches dug into the sand floor. Some distance away from the furnace the ditch stops abruptly above a train of cars into which the metal pours. These cars carry the still molten metal to open hearth or Bessemer furnaces for purification.

Deans Penn, Heald on Radio Program

Members of the Armour Institute faculty will speak this week on two radio programs in a series of broadcasts sponsored by the Men Teachers' Union of Chicago and the Men Teachers' Union of Chicago. Dean Penn and Dean Heald are the Armour speakers; they will outline the place of technical education in the educational system.

Dean Heald's talk, "An Engineering Age," is scheduled on WCFM at 4:30 p. m. on Thursday, May 3, and Dean Penn will speak on "Engineering and Technical Education" at the same hour on the following day.

The broadcasts have been arranged by James C. Ramsey, chairman of the Committee on Publicity of the Men Teachers' Union of Chicago. They are designed to emphasize to the Chicago public the importance of preserving an unimpaired and progressive school system.