

'NIMBLE FEET' IS OBJECT OF DANCE CLUB

On Wednesday, March 5, the Dance Club held its third meeting of the semester. The session was opened with a short talk by Ernest Colant, the president, who explained the purpose of the club; the development of "correct" dancing among students of Illinois Tech. The members briefly discussed the program for the coming months. Miss Rosa Golden, one of the few coeds at Armour College, was elected secretary and treasurer.

Daniel Stone Instructs

The latter part of the meeting was devoted to dancing. Daniel Stone, who is a professional dancer as well as a senior co-op, instructed the beginners in the rudiments of modern ballroom dancing.

Mr. Colant, besides outlining the program for the coming months, spoke about the last meeting at which the art of rumba dancing was demonstrated. He told the members that henceforth no instructions would be given unless there were at least twenty-five present. In order to retain membership in good standing, one must attend at least two-thirds of the meetings. Plans were also made for the next social of the Dance Club, which will be held on Wednesday, April 9. This is the day previous to the Spring recess.

Girls Help Out

After the business meeting, Dan Stone took the tyros in hand and demonstrated the glide and the right turn, accompanied by the Student Union phonograph and "Sonny" Weissman's records. The struggling beginners, including Edward "Here, sir" Ahlers were aided in their efforts by several young ladies who donated their services to the club. They were secured through the good offices of Miss Norma Lehtman, at the request of President Colant.

The Dance Club meets weekly in the Student Union on Wednesday from five to six p.m. Students desiring to become affiliated with this organization are requested to attend the next meeting and sign with Mr. Colant. The membership fee is twenty-five cents.

SENIORS INSPECT SCIENCE MUSEUM

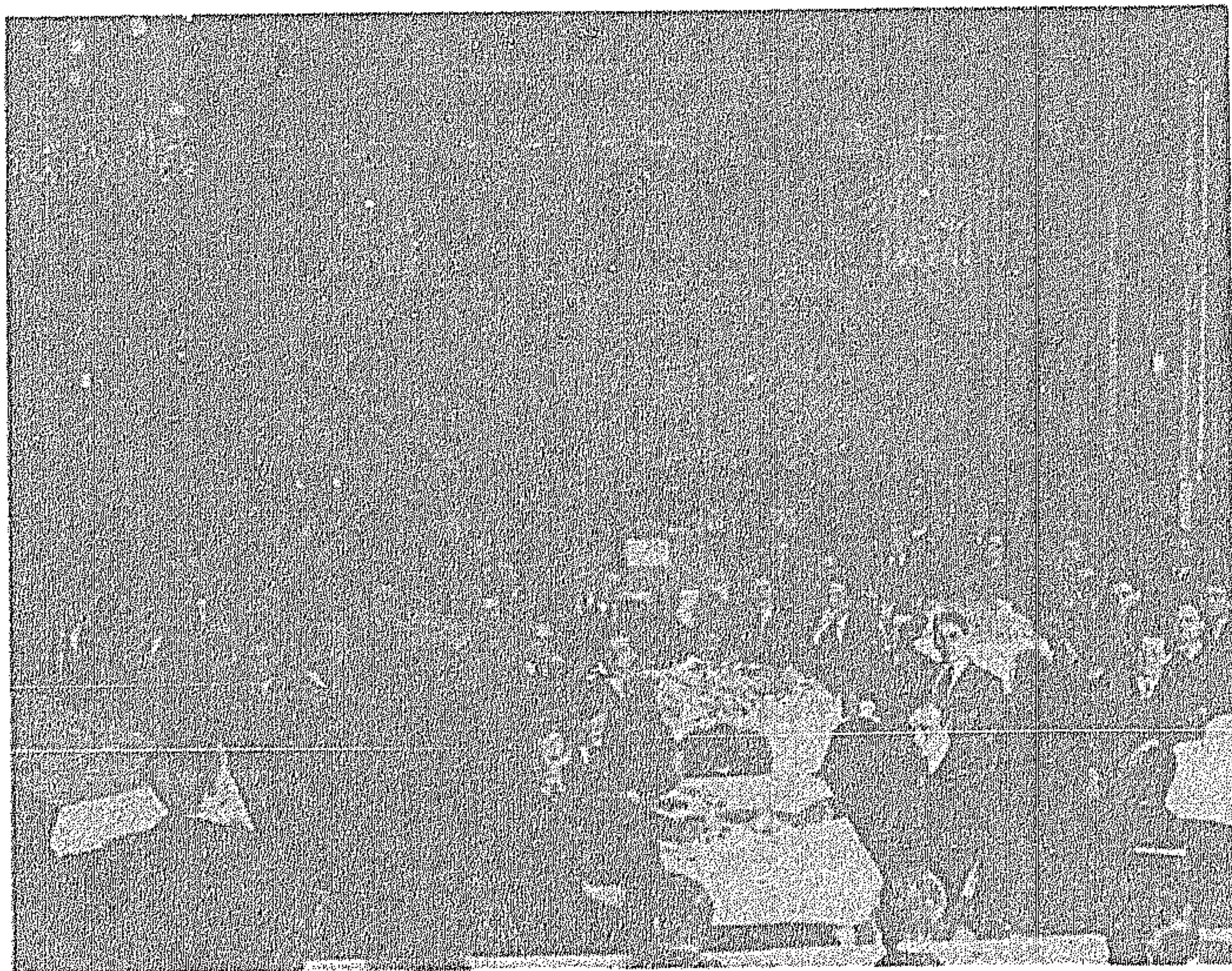
Last Tuesday, Professor Freeman's senior electrical class inspected the electrical equipment in the Rosenwald Museum. This class in "Industrial Studies" meets every Tuesday, and inspection trips are made to observe the electrical set-ups of various large industrial establishments.

The most interesting thing was the control of the dollies in the coal mine. A very clever arrangement of safety devices makes collisions of the cars impossible. All the guide does is push a button in his car. Every thing else is controlled by automatic devices.

Another interesting feature behind the scenes is the arrangement of the switchboard on the stage of the museum auditorium. A duplicate set of control-boards assures easy manipulation, and the rheostats may be operated by timing devices. The other control board is adjusted for a later part of the show.

All electricals are required to take "industrial studies" in their senior year. It is one of the electrical's most interesting classes, giving them a view of the practical aspects of this branch of electrical engineering.

INTERHONORARY BANQUET



Bob Meade, Interhonorary Council president addressing the members of Illinois Tech's honor societies at the annual banquet which was held last Thursday evening at the Swedish Club of Chicago.

U. OF C. ANATOMY LAB VISITED BY BIOLOGY GROUP

Last Tuesday, Mr. Edwin Cieslak's class in microscopic technique went on a field trip to the anatomy department of the University of Chicago. Here the class witnessed a demonstration of the Altmann-Gersh Freezing Drying Method, given by Dr. Sylvia Bensley who is co-author of "A Handbook of Histological and Cytological Technique." The Altmann-Gersh method is a technique for drying frozen tissues in a vacuum at a low temperature for the study of cells and tissues. The purpose of the freezing drying technique is to enable investigators to obtain sections of tissue structurally and chemically unchanged.

In this method, the tissues are frozen instantaneously in isopentane at a temperature of -130°C . They are then transferred to a drying chamber at -30°C . and dehydrated in a vacuum. Free hand sections made of the tissues are cleared in glycerin and studied directly under the microscope.

Materials prepared in this manner may be used for solubility studies of the various components of the cells. The validity of cellular structures can be approached by this method as no chemical or structural changes are induced.

Dr. Bensley said that by this method of immediately freezing the tissues, they were able in one instance to freeze heart sections.

Photo-micrographs of materials prepared in this manner are enlarged 255,000 times and bring out vividly the structures in liver cells and neurones.

JANITRESS FOR 35 YEARS, QUILTS ARMOUR SERVICE

Last week saw the seventieth birthday of a lady who can claim to be one of Armour's oldest employees. For thirty-five years Mrs. Jacobsen has faithfully served the school as janitress, and she has now retired. Her home is at 6229 South Richmond.

Her birthday proved to be a happy event, because the faculty and employees of the college still remembered her and sent three presents, an Azalea plant, a box of candy, and a check for \$225.

Mrs. Jacobsen was overjoyed at this unexpected token and wishes to thank everyone concerned. Although she is no longer with us, she is still represented by her daughter-in-law, Mrs. Mabel Jacobsen who works in the Student Union cafeteria.

Orcutt Speaks At Convention

In a recent trip to Atlantic City, New Jersey, Mrs. Anna Orcutt represented Illinois Institute of Technology at the National Personnel Association colloquium. The personnel representatives of many large corporations, of the army and navy, and of other prominent colleges were in attendance.

Mrs. Orcutt is the psychologist of Armour college. Her duties here at school consist in giving various types of visualization and aptitude tests. She also acts as counselor to the students.

"What Is Below Chicago?" Topic Of Gayton Lecture To Engineering Group

Engineers Given New Course In Patent Litigation

A comprehensive course in patent law, copyright law, trade marks and unfair competition, covering a period of twenty weeks, has just been opened by the John Marshall Law School, in Chicago. Dean Edward T. Lee pointed out that it is the first patent law course offered by any school outside of Washington, D.C. Not only practicing lawyers but other qualified persons may attend the three hour sessions which are held each Wednesday evening.

The course includes the following topics: the substantive law of patents; practice before the Patent Office; the office practice of a patent lawyer; patent litigation; preparation for registration examination in the Patent Office as an attorney or agent; foreign patent law; chemical patents; copyrights; proceedings with respect to copyrights; trade marks; unfair competition, and trade practices.

The staff of lecturers, all specialists in their respective fields and all practicing lawyers, consists of: Benton A. Bull, John A. Diener, George I. Haight, Henry M. Huxley, Harry W. Lindsey, Jr., Lester B. Mann, Frederick F. Mason, Casper W. Ooms, Cyril A. Soams, Russell Wiles, William T. Woodson, and Max M. Zabel.

Midwestern Athletes To Participate In Illinois Tech Games

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director. Assisting him are B. "Sonny" Weissman, assistant athletic director and boxing and wrestling coach; George S. Allison, treasurer; Norman Root, track coach; T. Nelson Metcalf, University of Chicago athletic director; and Alexander Schreiber, public relations director for IIT.

Thus far, thirty colleges and universities have entered the best of their athletic material for competition in the preliminary events Saturday afternoon. With one week remaining before the starter's gun signals the beginning of the first event, the total number of athletes is 400, and there are indications that another hundred colleges and universities may be expected.

Among the more famous entries are full teams from such widely-known schools as Drake of Des Moines, entering for the first time in many years. There are also teams from the University of Illinois, Michigan State, Chicago, Marquette and Northwestern, all competing in the university division.

In the college division, returning to the scene of repeated team championships, are such popular combinations as those of Michigan Normal, last year's winners; North Central, recognized as the most outstanding small college entry from this area; Northern Illinois State Teacher of De Kalb, as well as Western Illinois State Teachers of Macomb; Western State Teachers of Michigan; Carleton College of Northfield, Minnesota; Milwaukee Teachers; Coe College, Iowa; Dubuque and Iowa Teachers of Iowa; and Monmouth and Knox Colleges, both reentering the Games after several years absence.

Clear Discussion Of Pertinent Problems In City Services

Thirty-eight hundred miles of iron water pipe and more than eighty million dollars worth of utilities, compose only a part of the extensive underground network that lies beneath the city of Chicago.

Gayton Talks to A.S.C.E.

These facts were explained to the A.S.C.E. on Friday, March 8, by the speaker, Mr. Loran Gayton who is assistant civil engineer to the city of Chicago. Mr. Gayton showed with slides the development of the underground system.

New Filtration Plant

The Sanitary District of Chicago operates a vast system of sewerage. A one hundred and sixty-eight mile tunnel helps to take care of the sewage disposal problem. A filtration plant which will be the largest in the world is being constructed at 79th Street and the lake.

Freight Tunnels Still Used

The freight tunnels play an important part in the maintenance of large buildings in the loop. These tunnels are used to haul incoming and outgoing freight, coal, rubbish, etc. The trucking industry, however, has taken over part of this business, but the freight tunnels still render an important service.

The utilities maintain a vast network of underground lines. These lines are usually located seven feet beneath the surface of the ground. During the building of the subway, the utility lines, freight tunnels, water, sewerage and gas pipes have presented a major problem. This network had to be relocated before the new subway tube could be projected.

New Subway a Problem

Three different problems in the digging of the tunnel have had to be met. The first, digging through hard clay, was accomplished by tunneling, and then supporting the clay roof with heavy timbers. Digging through soft clay was done by use of a large steel shield which was pushed forward. A third problem, extending the subway under the Chicago river, was accomplished in an interesting manner. A desired portion of the river floor was excavated, and a twin steel tube two hundred feet long was sunk into place. The tube was built in a dry dock at South Chicago and then floated to its final resting place under the Chicago river at State street. The old State street bridge had to be removed for the operation and will be replaced by a new and larger one.

Honorary Frats—

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people who are willing to work and think. This I.e. said was contrary to the impression created by the usual run-of-the-mill commencement speaker.

He related many actual examples of success that were attained by people who were willing to observe the faults of the world about them with an eye for improvement. "The development of a proper sense of values," he said "is of prime importance to the young student." In conclusion he urged the student to cultivate a broad general viewpoint, a true understanding of his fellow man

Departmental Election Of Junior Marshals To Be Held This Week

In preparation for the coming Junior Week which starts May 5 and ends May 9, the junior class will elect its marshals. One junior marshal will be selected from each of the departments, mechanical, chemical, civil, architectural, electrical and fire protection. The junior marshals are in charge of the activities of Junior Week, which includes "open house" on May 6 and 7.

Each department of the junior class elects its own marshal and also an alternate. From the six elected, one is chosen the head marshal. The election will be under the supervision of the junior commissioners. All those elected are subject to the approval of

the Dean.

The schedule of the elections is as follows:

Department of chemical engineering, Wednesday, March 12, in room 305M.

Department of electrical engineering, Thursday, March 13, at noon.

Department of civil engineering, Thursday, March 13, in room 420C.

Department of mechanical engineering, Friday, March 14, at noon, in 202M.

Department of fire protection engineering, Monday, March 17, at the Underwriters' Laboratories.

Architectural department, undetermined, (by appointment with Miss Spies).