IIIT Establishes New Department

Dr. Otto Zmeskal to Head New Metallurgy Department This Fall

Dr. Ginter Also Announces Appointment of Two Department Heads, Two Professors, Two Assistant Professors, Three Instructors

The establishment of a new department at Illinois Institute of Technology, and the appointment of two department heads, two full professors, two associate professors, and three instructors has been announced for this Illinois Tech electrical engineering department, as follows:

The Metallurgy Department, which has been under the care of Dr. Otto Zmeskal, has been expanded to include a new department, headed by Dr. Otto Zmeskal, which will be known as the Metallurgy Department. The new department will be located in the new building on the north side of the campus, and will be under the direction of Dr. Otto Zmeskal.

The new department will be responsible for the instruction and research in the field of metallurgy, and will be equipped with the latest equipment and facilities. The department will offer courses in the fields of materials science, metalurgy, and related subjects.

The new department will be headed by Dr. Otto Zmeskal, who has been a member of the Illinois Tech faculty for many years. He is a nationally recognized expert in the field of metallurgy, and has published extensively in the field.

In addition to Dr. Zmeskal, two full professors, two associate professors, and three instructors have been appointed to the new department. The full professors are Dr. James Ginter and Dr. Robert E. Brown, and the associate professors are Dr. John D. Adams and Dr. Richard B. Johnson. The instructors are Dr. William R. Smith, Dr. James D. Brown, and Dr. Robert R. Brown.

The new department will offer a variety of courses in metallurgy, including courses in the fields of materials science, metalurgy, and related subjects. The department will also offer research opportunities in the field of metallurgy, and will be equipped with the latest equipment and facilities.

IIIT Mourns Passing Away of Dr. Mangold, Mech. Professor

Professor John Frederic Mangold, of the mechanical engineering department, passed away at his home Sunday, June 2, of a heart attack. This marked the end to more than a quarter century of service by this beloved professor.

Dr. Mangold came to IIIT (then South Dakota State University) in 1914 and had been in the mechanical department ever since. Before this he had served as a civil engineer in a railroad construction job in Mexico. He also worked in the field of bridge building and highway construction jobs.

With this background of field work he then turned to the agricultural field. Before coming to IIIT he taught at Grinnell College, South Dakota; and the South Dakota School of Mines, but for only a year.

Dr. Mangold received a BS from Cornell College, and a BA and a BS from the State University of Iowa. He is a member of the American Society of Mechanical Engineers and the American Association for the Advancement of Science. He is a member of the International Association of Agricultural Chemists and the American Institute of Mining and Metallurgical Engineers.

Other honors and awards were given Dr. Mangold before his death, including an honorary doctorate from the University of Chicago, and another of similar rank from the University of Illinois.

The entire family mourns his death and the loss of an understanding and a likable family member.

Rho Epsilon Transmitter Operation Again Resumed with Five Ham Radio Operators

Rho Epsilon this summer is operating its transmitter for the first time since before the restricted amateur bands.

Before the war, the Rho Epsilon transmitter was one of the most interesting features of the Illinois Tech electrical engineering departments. It contained many radio sets and antennas.

Today, with the ham radio bands available, Rho Epsilon is again operating its transmitter for the first time since before the restricted amateur bands.

Announce Freshman Scholarship Awards

Fifteen winners in the freshman scholarship examinations have been announced by Henry T. Teal, president of Illinois Tech.

Each will be awarded a tuition grant, providing tuition for the first two semesters in college, or until admitted to an institution.

Out of 132 candidates the following winners from the Chicago area were announced:

James N. Kelt, 103 W. 31st St.

Benjamin J. Stover, 113 N. Larrabee St.

John E. W. Davis, 120 E. 31st St.

David R. Johnson, 125 E. 31st St.

Ralph L. Smith, 110 W. 31st St.

The selection of the students was made by Dr. Teal in consultation with the Illinois Tech Electrical Engineering Department.

Paul Hemmann on Leave

Paul "Red" Hemmann, staff writer of this department, has been authorized by the dean of the school of engineering to be away from the department for two months of the leave of absence.

"Red" will go to Europe in May and will return in August. He will be absent from the department for two months of the leave of absence.

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Man Of The Week
Haney, Head of Delta Tau Delta, Is Active in IF and IM Sports

This week's title of "Man of the Week" goes to John Haney, an eighth term mechanical engineering major, and an IM and IF athlete.

Haney came to IF in March '64 as a student in the V-12 program. He spent his first year at George Williams and in March, 1965, transferred to IF to complete his degree in mechanical engineering.

He is a member of several social organizations including the Omi Omega Omega Club and the Delta Tau Delta fraternity, of which he is President. He also belongs to Alpha Phi Alpha, has been very active in IF and IM sports for several years.

Haney lives in Tallmadge, Ohio, where he attended college.

College and the Student

The primary reason for going to college, from the student's viewpoint, is a good living. Unless one has good connections, an education is usually necessary for the best position. It is required for the professions. Of course, along with the acquisition of money, is the additional social prestige, especially in a society where position is determined by one's social background. There is no such thing as money, the key opening to opportunity based on higher earnings.

A second reason for going to school is to mark time until one is sufficiently mature to step into a job, or on into college.

While waiting, one can acquire a service which supposed to equip him for society. This makes it so much easier to talk glibly about the latest sporting events. A third reason is to acquire the background for a professional career, as management, engineering and so on. Here one can devote his entire time and effort towards a specific goal, the exclusion of outside interests. This leads to a naive ignorance of matters not pertaining to the chosen field, and is carried by the narrow provincialism of many leaders in the professions. Rejected, I say, are the atomic bomb have blasted scientists out of worldly affairs, including those who are living in the dream world of their own making.

Finally, there are those who pursue education for its own sake. Some do it for the social prestige, some for the intellectual growth, some for the work, and some for the love of learning. The purpose of education is to develop the individual, not to impress the community with the achievements of the individual.
Dr. W. C. Krathwohl Discusses Effects of Reading Abilities

The Elementary Principals Journal recently printed an article, "The Importance of Acquiring Reading Habits," by Dr. W. C. Krathwohl, Director of Tests at the Institute for Psychological Services of the Illinois Institute of Technology. Dr. Krathwohl stated that a study of the Army and Navy tests for educational abilities has shown that a large percentage of the students are unable to read effectively.

Announce Mail Pickup and Delivery Schedule

Mail pickup and delivery will be held daily at 4:30 p.m. from Monday to Thursday. On Friday, mail pickup will be at 5:00 p.m. and delivery will be at 9:00 a.m.

Illinois Tech Vets

The American Veterans Committee held its last meeting on the campus on May 24, 1960. Illinois Tech Vets will hold the next meeting on the campus on May 24, 1960.

Sigma Beta Tau Sorority

The official initiation of Marjorie Devlin and Lou Johnson of the University was held at the Alhambra Ballroom on January 15, 1960. The启号 sisterhood will take place at the post office on January 16, 1960. The post office hours are from 8:00 a.m. to 5:00 p.m. on weekdays and from 8:00 a.m. to 1:00 p.m. on Saturdays.

Fraternities & Sororities

Illinois Tech Vets

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Softball All-Stars Selected From Intermate Competition

It has been a time honored custom to select an "All-Star" team at the end of each sports season and believing that was the beginning of further encouragement and recognition that will soon to make it a better and more valuable function.

The decision of the Intermate organization to include softball among the activities for 1947 to retain its position of adding to the school curriculum was a wise one. It appeared that for awhile this sport had been losing but the same enthusiasm that has been shown in other sports has carried it through.

Kappa Phi Delta Sorority

The Kappa Phi Delta sorority will hold its monthly chamber-mute meeting at 10 a.m. in the O'Neill room on Wednesday, March 15. The plan is to have some of the officers attend as guests to their college's sorority and the officers of the group will be at their respective table to aid in the discussion and the officers will be held by the president.

Reception for Seniors

To Be Held at Home of President

Henry S. Wall, president of the Indiana University, has announced that there will be a reception for all graduating seniors on Saturday, May 6, at 6 p.m. President Wall has arranged for the reception to be held in the president's home for all graduating seniors.

Basic Places Alpha Sigs To Take IF Track Meet

The Alpha Sigma Phi chapter at Indiana State Normal College recently placed second in the state track meet. The fraternity placed second in the state track meet. The fraternity placed second in the state track meet. The fraternity placed second in the state track meet.

letters awarded. basement door shown at the corner of 6th and 11th streets and the basement door shown at the corner of 6th and 11th streets.

The Illinois Tech Vets

The Illinois Tech Vets will be holding a special meeting on Thursday, May 4, at 7:30 p.m. in the Tech Vets room. The purpose of the meeting will be to discuss the current state of affairs and to plan for the future.

TUESDAY:

11CF at 3 p.m. 9 a.m. to 11 a.m.

WEDNESDAY:

11CF at 3 p.m. 9 a.m. to 11 a.m.

THURSDAY:

9 a.m. to 11 a.m. in the Tech Vets room.
ARF Reorganizes Wire Sound Recorder Activities

The reorganization of all magnetic wire sound recorder activities and the establishment of a Magnetic Recorder Division has been announced by Professor J. B. Hunter, chairman of the Armour Foundation.

The Wire Recorder Development Committee, which is in charge of the Foundation, is working in conjunction with wire recorder manufacturers to facilitate their development. The committee has received a number of offers at the same location, 124 North South Shore Drive, Chicago.

Headed by A. L. Thomas, former engineer, the Magnetic Recorder Division will coordinate all sound recorder activities, including the development of new designs, the improvement of existing designs, research and engineering service, and the production of wire recorder manufacturers to produce Armour Sound Recorder.

The housing of several important companies has also been announced, bringing the total number of laboratories to 20. These include the General Engineering and Manufacturing Co., the American Wire Recorder Co., and the American Wire Recorder Co., Ltd., all in New York.

O. Zmetski (Continued on page 3)

Will Show Reproduction Of Newspapers by Radio

A demonstration of radio reproduction of newspapers will be presented to Illinois Tech students from 3 to 5 p.m. on Wednesday, June 26th, at the Armour Research Building.

The demonstration will include a unique system of reproducing newspapers by radio. The system will be based on the Armour Research Building's research in radio and television, which is being used extensively to develop radio reproduction equipment.

Musical Clubs Give Concert at Pritzlaff

The musical organizations of the Armour Research Building will present a concert at the Pritzlaff on Thursday, June 27th, at 8 p.m.

The concert will feature the Armour Research Building's resident orchestra, the Armour Research Building Chorus, and a series of guest committees from other institutions.

Final Examinations

Third Term 1945-46

Monday, June 25, 1945

Tuesday, June 26, 1945

Wednesday, June 27, 1945

Thursday, June 28, 1945

Friday, June 29, 1945

Saturday, June 30, 1945

Sunday, July 1, 1945

Monday, July 2, 1945

Tuesday, July 3, 1945

Wednesday, July 4, 1945

Thursday, July 5, 1945

Friday, July 6, 1945

Saturday, July 7, 1945

Sunday, July 8, 1945

Monday, July 9, 1945

Tuesday, July 10, 1945

Wednesday, July 11, 1945

Thursday, July 12, 1945

Friday, July 13, 1945

Saturday, July 14, 1945

Sunday, July 15, 1945

Monday, July 16, 1945

Tuesday, July 17, 1945

Wednesday, July 18, 1945

Thursday, July 19, 1945

Friday, July 20, 1945

Saturday, July 21, 1945

Sunday, July 22, 1945

Monday, July 23, 1945

Tuesday, July 24, 1945

Wednesday, July 25, 1945

Thursday, July 26, 1945

Friday, July 27, 1945

Saturday, July 28, 1945

Sunday, July 29, 1945

Monday, July 30, 1945

Tuesday, July 31, 1945

Wednesday, August 1, 1945

Thursday, August 2, 1945

Friday, August 3, 1945

Saturday, August 4, 1945

Sunday, August 5, 1945

Monday, August 6, 1945

Tuesday, August 7, 1945

Wednesday, August 8, 1945

Thursday, August 9, 1945

Friday, August 10, 1945

Saturday, August 11, 1945

Sunday, August 12, 1945

Monday, August 13, 1945

Tuesday, August 14, 1945

Wednesday, August 15, 1945

Thursday, August 16, 1945

Friday, August 17, 1945

Saturday, August 18, 1945

Sunday, August 19, 1945

Monday, August 20, 1945

Tuesday, August 21, 1945

Wednesday, August 22, 1945

Thursday, August 23, 1945

Friday, August 24, 1945

Saturday, August 25, 1945

Sunday, August 26, 1945

Monday, August 27, 1945

Tuesday, August 28, 1945

Wednesday, August 29, 1945

Thursday, August 30, 1945

Friday, August 31, 1945

Saturday, September 1, 1945

Sunday, September 2, 1945

Monday, September 3, 1945
Photographic Educator—recently appointed head of the visual education department, served as editor for each week.

Physics Club Will Meet
The Physics Club will meet Thursday at 8 p.m. in room 207P. A prepared presentation will be given on the subject of the weather at the meeting. Election of officers for the fall semester will also be held.

Announcement
Emerald Avenue: Arnold Bloom, 423, Elizabeth Avenue; Donald R. Sill, 520, West Main; Leonard Schmid, 518, West Main; Ronald E. H. Gross, 518, West Main; William H. Fux, 518, West Main; Donald D. H. Gross, 518, West Main; Raymond H. M. Fux, 518, West Main; Samuel L. Boeher, 1781, Wilcox, 1781, Wilcox; Eugene S. Bierens, 1781, Wilcox; John H. Bierens, 1781, Wilcox.

Chemistry Finds Better Way to Descale Steel
One of the most bothersome problems in the metal industry is the removal of scale from the surfaces of stainless steels and other alloys. Scale is a thin film of metal oxide which forms at high temperatures during fabrication or processing. It is very abrasive to dies and other finishing tools, and complete removal can be very expensive in terms of the cost of chemical products. Several years ago, World War II, Du Pont began exploring the possibility of developing a simpler and more effective way to remove scale from metals.

Process Development
In developing the process, a group of Du Pont chemists found that small amounts of sodium hydroxide, dissolved in methanol solutions, would effectively remove scale without attacking the base metal or embrittling it. However, the process then included two steps: first, an acid treatment followed by a neutralization process to remove the sodium hydroxide. This was replaced by developing an impregnation operation for the scale, followed by the more sodium hydroxide (20% to 70%) from methanol solutions.

Metal components, once at the bottom, are placed along the tracks of the descaling tank and exposed to the solutions. The acid treatment removes the scale and the neutralization process removes the sodium hydroxide. The components are then uniformly treated with the sodium hydroxide solution.

Process Application
The metal to be descaled is immersed in the process solution for 10 to 30 minutes. Scale and rust are removed, and the metal is thoroughly cleaned.

Questions College Men ask about Ammonia
"WHAT THE DU POINT COMPANY IS FOR..."

There are many diverse applications of Du Pont products. Principal products are used in the chemical, textile, paper, synthetic fibers, and other industries. Du Pont's products are sold through a network of dealers and distributors throughout the United States and Canada. The company is also involved in research and development for new and better products.