

ORGANIZATIONS

ARMOUR PLAYERS

Casting for the IIT super production for this season was begun Friday, October 16. Some parts were cast but many others are still open. Singers, actors, dancers and musicians are needed. Freshmen, sophomores, juniors and seniors are all eligible. Come out and make your play a success.

The production will take the form of a cafe theatre party and promises to be surprisingly different from anything IIT has ever done before.

Miss Lou Meyers, under the able supervision of Dr. Carl Richter, will direct the production this year. Singers from the Glee club will contribute their talents to the druvology of the occasion. Dr. Richter states that he is certain that this show will be the finest ever produced at IIT because of its originality.

Next casting will be held Tuesday at 5:00 p.m., October 20, in the Auditorium. Come out!

MEDICAL ARTS GUILD

The Medical Arts Guild, composed of pre-professional students, had its first meeting of the fall term last Friday. The guild was formed to activate the interest of future professional students in their selected fields, mainly medicine, dentistry, and the biological sciences.

After an introduction, presented by Dr. Hedrick of the biology department, selection of the Guild officers was made. Gertrude Eisenstein was chosen president; Robert K. Weiss, vice-president; and Shirley Evenstein, secretary-treasurer.

Future events for the fall semester

Effective immediately, and retroactive to the beginning of the current semester, September 21, the prevailing student assistant wage rate will be at the rate of 50 cents per hour instead of 40 cents. Students will be permitted to earn a maximum of \$60 per semester instead of \$50.

There are still student assistantships to be filled and those students who are interested are urged to put in their applications. Applications are available at the Office of Business Manager.

R. J. Spaeth
Business Manager

ter consist of visits to an operation, an autopsy, and later, to a state asylum for mental cases.

The Medical Arts Guild promises a very enjoyable and profitable season, this fall, and looks forward to many new members.

ARMOUR EYE

Armour Eye, Illinois Tech's Camera club, held its first meeting of the current year in its studio on Wednesday, October 14. Bruce Kunde was elected president and Charles Rowbotham, George Ligger, Ken Perger were chosen as vice-president, treasurer, and secretary respectively.

Plans were set forth for the remodeling of the studio, which should act as a further inducement to prospective members. Because a limited membership has been decided upon, students considering membership should make formal application as soon as possible. Plans for a salon for the new members is already under way. The Eye will continue, as it has in the past, to display pictures in the lobby of the Student Union Building.

SAM

The Society for the Advancement of Management will hold its first meeting of the year next Wednesday afternoon at five o'clock in the faculty grill. The purpose of the meeting will be to reorganize the society and admit lower classmen into the organization. An important discussion of some subject pertinent to the interest of the student body will also take place.

In the past many well known speakers have addressed the group about problems of management. The members have also participated in many lively debates among themselves.

All students interested in business management and related subjects are welcome to attend. Dr. Dutton is the faculty sponsor of the group.

AIEE

"Opportunities for electrical engineers in the armed services" will be the title of the lecture to be given by Major Rohman of the Signal Corps and Lieutenant Eddy, USN, in the Lighting Institute of the Chicago Opera building at 7:00 p.m., Tuesday, October 20. This lecture will be of special interest to electrical engineering students, and they are urged to attend.

Professor Roesch directs automotive lab improvements

The Automotive laboratory, located just north of Machinery Hall, has seen a number of changes and improvements recently. Mr. Charles Roesch, who has been at Armour for 31 years, is in charge of this lab.

The course in ME 412, diesel engineering, formerly made up of lectures only, now includes lab work as well. The first students to make use of this course were the 4-B section Co-ops this summer. The lab now possesses six cylinder Hercules Diesel engines, a one cylinder Fairbanks-Morse Diesel Electric unit, and a four cylinder International Harvester Diesel tractor power unit, as well as other compression-ignition engines.

Airplane engines emphasized

The scope of ME 414 in aero engines has been increased and a new enlarged manual, prepared by Professor Roesch, on Automotive Engine Testing, with special emphasis on airplane engines, is being used. Altitude Power measurements, Super-charging Effects, and Power Recovery Test Cells are studied. The airplane engine equipment has been supplemented by a Wright-Cyclone nine cylinder engine and a Pratt and Whitney nine cylinder Hornet engine.

Some new Automotive laboratory equipment has been designed by Professor Roesch, and constructed by Mr. C. C. Frae, the laboratory assistant. Included are a Diesel nozzle testing bench, a Diesel fuel pump testing bench, and a pitot tube using a high speed Brewer Tornado blower, capable of creating an air current of 275 m.p.h. velocity. A device has also been created for quickly evaluating and visually demonstrating the relative thermal conductivity of brass, copper, aluminum, steel, and cast iron bars. This device illustrates the heat transfers of airplane engine cooling fins or engine cylinder and piston heat transfers.

Importance of torque wrench

A means has also been provided to illustrate the importance of torque wrench tightening of bolts and nuts, which is of such importance in modern engines. The efficiencies of load applications are determined and comparisons made between dry and lubricated threads.

A new Sun Master Engine Analyzer and a Sun Distributor check for spark advance with speed and vacuum, are recent additions. Several types of exhaust analyzers are also included.

FACULTY BRIEFS

Dr. Linton Grinter, vice-president of Illinois Tech and dean of the graduate division, will edit a literary column on technical books in the Chicago Sun. Dean Grinter will head the staff of reviewers. Many of the reviewers will be from the staff of Illinois Tech.

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On Friday afternoon, Miss Kathryn L. Judkins, supervisor of "women in industry" of Illinois Institute of Technology, gave a talk to the Chicago branch of the National Council of Negro Women on "Training Women for New Fields."

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Dr. Ruth Cowan Clouse, grand ephalyte of the home economics department, and Miss Lola Janis will attend the Annual Convention of the American Dietetics society in Detroit, from October 19 to 22. Dr. Clouse will report on "The Compilation of New Figures for Nutritive Value of Foods."

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Miss Ida Didier will be in charge of the Consumer Information Service program sponsored by the Office of Civilian Defense. This is a training course for chairmen and staff members of the Service. The subject of the program is, "What wardrobes will include and how they will be cared for." It will be held on October 21.

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Dr. J. E. Hobson, director of the electrical engineering curriculum, commutes to Milwaukee, Wisconsin, on alternate Tuesday evenings to lecture to the engineers of the Allis-Chalmers company. There are about 65 men who attend to further their interests in symmetrical components and power transmission.

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Mr. P. T. Wagner, laboratory instructor in freshman chemistry, was presented with a baby last week.

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Dr. Frederick W. Sullivan, Jr., scientific director, recently gave addresses before the American Gas association on "War and Post War Research at the Gas Institute," and at the Interstate Oil Compact commission meeting at Chicago recently.

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Kenneth W. Moore, recently in charge of the photographic dark room at the Armour Research Foundation, has received his 1st Lieutenant's commission in the Army Air Corps and has reported for training at Miami Beach, Florida. Mr. Moore's previous wide ex-

perience in aerial photography will be of great value to the armed forces. He is succeeded by Mr. Norman Bartley, who was his assistant.

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Gordon C. Lund, Assistant Director of the Illinois Tech News Bureau, will soon leave Illinois Tech to join the Army. Mr. Lund has been at Illinois Tech a little more than one-half year, and in that time he has done much time in putting Illinois Tech on the map. Illinois Tech loses a valuable man until victory.

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Dr. Paul E. Peters, formerly of the North Shore Chemical Industries, has been appointed to the research staff of the Institute. Others who have recently joined the staff are: E. P. Walter, recently of Stepan Chemical company and formerly of Universal Oil company and of Corning Glass Works; Paul W. Garbo of New York City, who was recently with the Barrett Division and Johns Manville corporation.

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Dr. Clark E. Thorp, a member of the chemical engineering staff, was a recent visitor at Mellon Institute in Pittsburgh, Pennsylvania.

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Mr. Martin H. Kalina has been appointed to the metallurgy staff. Mr. Kalina was formerly associated with the State University of Iowa.

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Mr. Harold Vagtberg spoke recently at the American Society of Mechanical Engineers meeting in Rochester, New York, on "The Research Program of the Gas Institute."

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Dr. Raymond Spencer, Mr. Ardelle Glaze, Mr. C. B. Haynes, Dr. Henry G. Fisk, Dr. Frank H. Trimble of the metallurgical section, and Mr. Harold Vagtberg, director, attended the American Metals Congress in Cleveland, Ohio. While in Cleveland they also attended two steering committee meetings with representatives of industrial concerns upon projects under way at the Foundation.

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Mr. V. L. Wanselow, manager of the Truck and Bus Line Division of the B. F. Goodrich company, addressed members of the staffs of the Armour Research Foundation and Institute of Gas Technology Wednesday and gave a demonstration of the making of "Ameripol," a synthetic rubber. He also showed motion pictures of the rubber industry and rubber uses.

ARMOUR FRATERNITIES

TRIANGLE

Triangle announces the pledging of Jerry Haule, junior civil, and S. Godelas, sophomore chemical. All the pledges in the house are making plans for the Halloween dance, which promises to be the major house dance of the semester.

Last Saturday one of the popular "record" dances was held, with all the Triangles and their ladies attending. Ed Nidel, popular social chairman, certainly seems to be adept at making sure that everyone has a good time, with the result that social activities at Triangle are reaching a new peak.

PHI KAPPA SIGMA

The Phi Kappa Sigs were rather inactive this week for a group of men who have such a high reputation. Monday afternoon football practice was held, the pledges showing well. At least two rugged men were discovered. These boys have their eye on the cup. Monday evening was featured by a short-lived pledge rebellion. The pledges won a cold shower.

A Halloween party will be held Saturday, October 31, from dark to dawn. A feature of the party will be the playing of three new records.

RHO DELTA RHO

Rho Delta Rho is proud to announce the election to membership of five former pledges at the regular meeting held October 7.

The men so honored were: Marvin Berman, IE, '45; S. Seymour Entman, ME, '45; Herbert Gertz, EE, '45; Earl Lichten, ME, '44; Max Reiss, ChE, '45.

The plans for their informal and formal initiations are in the extremely capable hands of Ben Levin, who is being welcomed back after an absence of a year.

Rho Delta Rho announced the pledging of the following men on

Monday, September 28, 1942: Irving Backinoff, Arthur Blumenthal, Louis Brody, Leonard Clyde, Marvin Cohn, Leonard Eller, Kenneth Epstein, Donald Friedlin, Paul Friedman, Leonard Fript, Joseph Feldstein, Jerome Hollander, Marvin Jaffe, Marvin Kagan, Gedaliah Katz, Saul Messer, Samuel Meyerson, Albert Migdal, Herman Mirochnick, Ted Nathler, Eugene Nedwick, Marvin Quateman, Edward Rabin, Arnold Rosner, Robert Narofsky, Morris Shapiro, Allan Simon, Ralph Solomon, and Harold Vogel.

This large class is being rapidly organized under the firm leadership of Sheldon Plotkin, pledge captain.

PI KAPPA PHI

Pi Kappa Phi held formal initiation last Friday night and initiated the following new members: Walter Koelle, Bert Legg, Paul Streit, and Ray Tubergen.

The Pi Kapp social season will start with a Halloween party Friday night, October 31, supervised by the members of the new pledge class.

The Pi Kapps had the pleasure of entertaining Tuesday night one of IIT's beautiful secretaries, duly escorted by H. Anderson. It was a formal affair—ties and "tee" shirts

(see FRATERNITIES on page 9)