

Workmen Near Completion Of New Laboratory Research Foundation Overjoyed

Construction of a new research laboratory for fundamental studies of air compressors, spray guns and spraying booths is nearly completed, it was announced by the Research Foundation today. The room, 13 ft. by 14 ft. is located on the basement level in the west end of the main Research Foundation building.

The new laboratory will be equipped with a wash-type spraying booth of the latest design. To supply the air needed for spraying apparatus to be studied, a 5-horsepower compressor capable of delivering 30 cubic feet per minute at 100 pounds per square inch is being installed. All utilities will be readily available at outlets especially arranged for the work. Walls and ceiling have been partially soundproofed to reduce noise from the exhaust blower and compressor. The room can be darkened for investigations using high speed motion picture equipment.

According to Dr. George Ziegler, director of the Light and Optics Division of the Research Foundation, the new room is expected to be in operation within a few days.

The facilities of the X-ray Laboratory of the Research Foundation have been recently expanded through the acquisition of a new special X-ray tube and X-ray diffraction back reflection camera.

The new X-ray tube has a vacuum cast iron target to give X-rays suitable for studying strain in welded joints and in castings. Developed by the General Electric X-ray corporation here in Chicago, this new tube was made possible because the Corning Glass company learned to make a new kind of glass.

The new X-ray diffraction back reflection camera is one in which the X-ray beam incident on the sample being studied is reflected back to a film instead of passing through the sample as is ordinarily done.

HOFF CHOSEN PRES. AT AICHE ELECTION

Armour's branch of the AICHE met last Friday for the purpose of electing new officers for the coming year. The meeting was opened by the president George Baumann who stated the objectives of the meeting, and then turned it over to Edward Hardin, who took charge of the election.

The results of the elections were as follows: George Hoff, president; Bernard Sarasin, M. Canday and William Brausa, the senior program committee; Peter Blasio, secretary; Edward Collender, treasurer; Spiro Kapranos, assistant treasurer; Bob Kirk, Bob Mahasek, Frank Nilles and Ken Brazelton, the junior program committee; Manny London and George Sellen, WSE representatives.

After the election Baumann again assumed charge of the meeting and discussed the approaching chemical engineering convention. The meeting was then turned over to Henry Wessel, president of Pi Lambda Upsilon, who stated the requirements to be eligible for pledging. Following this talk the following men were formally pledged: Don Ellis, Carl Fosseberg and Howard Hess, graduate students; Charles McAleer, Sam Falk and J. Perron, seniors; Chertow, Fitzgerald, London and Sarasin, juniors.

Dr. Copeland Awarded Physics Fellowship

Dr. Paul L. Copeland, associate professor of physics at IIT has been honored by the American Physical Society. In recognition of twelve years of independent research, the society has conferred a Fellowship upon him. The nomination was favorably acted upon May 5 at a meeting of the Council of the ASP held in Washington D. C. This council is the governing body of the 4,000 members of the organization.

This distinction is conferred upon members of the society who have worked for a number of years on an independent research problem. Professor Copeland received the honor for his work on the problem of the properties of surface films. He was chiefly concerned with the electrical nature of the films. The electrical properties of sodium on tungsten is a simple example of the type of problem. A film of thorium on oxygen on nickel is the object of a recent absorbing study. About six papers have been published by Professor Copeland on the subject at various times. Most of these have appeared in the "Physical Review." The last four years he has spent at Armour college, working in his field whenever possible.

Only 800 members of the American Physical Society have received this honor. The research must go beyond the work of a doctor's degree, and the recipient must be among the outstanding men in the field.

Victorious Sophs To Revel In Glen

After soundly trouncing the frosh in the class rush, the rollicking sophs decided to have another field day before final exams set in. They have chosen Sunday, May 25 for this little sortie and will journey to Crystal Lake, Ill., to indulge in a wild and wooly picnic.

A committee consisting of two men from each department was selected to outline the days events which are to include a gunny sack race, pie eating contest, and several softball games. After consultation with the soph pie eaters the committee of Joseph Casperzie and John Belluomini decided to change the menu for this event, from the traditional blueberry to the more tasty, and much messier, coconut cream. Gunner Gow, pie eating champ of IIT agreed not to enter in the name of fair sportsmanship. Also the bashful boys are urged to bring dates, (girls) and each couple will bring their own lunch.

This last get-together is open to all sophomores and professors. Anyone interested in attending must see one of the following men for such details as time, transportation, etc; ME Rocco DeStefano, Mitch Galeska; CHE Sheldon Platin, Larry Nadel; FPE Robert Funk and Jim Gleason; EE R. Nelson, C. Votava; CE Herb Schumann, Charles Peller.

Don't forget the date—Sunday, May 25, at Crystal Lake, Illinois.

Standards For Choice Of Popularity Queen

Several helpful suggestions have been formulated to aid Lewis students in their selection of the popularity queen who will reign at the Senior Ball. Students are asked to consider the following points carefully before they cast their votes:

1. What has she done for Lewis? (Is she popular enough to be a leader?)
2. Does she have anything under those curly locks? (What is her scholastic average? This is a popularity contest, not a beauty contest!)
3. Make up your mind, and be sure to cast your ballot. (Don't let others sway you!)

Voting will be restricted to Lewis students, and will be held during the first week in June. The ballots may be obtained in the chemistry storeroom on the fifth floor where the ballot box will be located. John Ferraro, Eileen Robinson, Al Falkman, Florence Moss and Ed Panek compose the committee in charge.

On June 7, the night of the prom at the Towers rooms of the Stevens hotel the results will be announced, and the queen will be crowned.

Bids may be obtained at Lewis from the prom committee consisting of John Ferraro, chairman, Florence Alder, Tom Cafcas, Bernie Silver Lowell Stevenson, and Miriam Walker. At Armour bids are on sale in the information office and the book store.

Graduates Aided In Job Hunt By Placement Office

Prospects For Summer Employment Good

The placement office of Illinois Tech has proven to be a great asset in the progress of the school. A large number of business and engineering organizations have co-operated in interviewing many seniors for positions after graduation. Some members of the graduating class have already been placed and it is expected that the remaining fellows will have positions by summer.

The following seniors have successfully secured jobs. John B. Doyle, William Massman and Edward Malela, senior chemicals, have joined the staff of General Foods, headquarters at Battle Creek, Michigan. George Baumann, another 1941 chemical is going with Grasselli Chemical company.

Allis-Chalmers Manufacturing company of Milwaukee will employ Guenter Baum after graduation. Edward Young, another senior mechanical, who first thought he would go with Holley Carburetor has now definitely decided upon Bendix Aircraft Corporation, at South Bend, Indiana. James Corcoran, Leonhard Holmboe, senior electricals and Raymond E. Glass, graduate student, are additions to the personnel of Westinghouse Electric and Manufacturing company. John Zwaska has accepted a position with Aladdin Radio Industries, a local company.

Fred DeMoney, FPE, has decided upon the paper industry. Ch. E's Jack Vander Woude and Roy Jacobsen are going with Kimberly-Clark Paper company, Neenah, Wisconsin. Charles McAleer will be with Kimberly-Clark for the summer. In the fall he and Walter Molda will go to the Institute of Paper Chemistry.

The Placement office has had a sprinkling of calls for summer employment. It is anticipated that many of the students will be placed thru the efforts of the office. There are several hundred records of students in the files and with these it seems reasonable to suppose that every requisition for summer work that comes to the attention of the Placement office can be filled. In the past two years there was an increased demand for students for summer work after the end of the school year. The students will be notified at their homes concerning such openings.

Polygon Orders Close This Week At Lewis

During this week, students on the Lewis campus will have their last opportunity to order the Polygon. Since it is the first IIT yearbook, the Polygon will be a pictorial record of activities which were previously included in separate annuals as well as those initiated as a result of the merger of the two schools.

Sales contracts are being handled by Charles Reinhardt, Bob Meyer, and Jack Perkins, who are taking partial payments of \$1.00. The remainder of the \$2.75 may be paid upon delivery of the books about June 1. Since a limited number of Polygons have been ordered, students must contract for their books to assure obtaining them.

Freshman engineers at Lewis, who paid the activity fee when they matriculated, will receive the Polygon without further payment.

National Headquarters Of Selective Service Board

Deems Engineering Students "Necessary Men"

The following are excerpts from an article in the May issue of "Selective Service," the publication of the National Headquarters of the Selective Service Board, relative to deferment of students in specialized fields:

Occupational deferment for students in certain specialized professional fields, "which have a definite and direct relationship to the National Defense Program," is announced as a national policy for the Selective Service System by a memorandum to State directors recently issued by Brig. Gen. Lewis B. Hershey, deputy director.

These deferments will be made individually under the "necessary man" provisions of Selective Service Regulations and will include those students who have been placed in Classes 1-D and 1-E for deferment only until July 1, 1941, as well as those students who are still to be classified. Those found to be "necessary men" will be placed in Class 11-A which is a deferment for a period of 6 months, with provision for extension by periods of 6 months so long as they continue to be in preparation or training as necessary men in activities necessary to the national defense.

This announcement was made following conferences between National Headquarters, Selective Service System, and the Office of Production Management which followed studies made by the Bureau of Labor Statistics of the U. S. Department of Labor. These studies showed that in eight specialized professional fields, for which student deferments are urged, the supply of manpower for national defense is "dangerously low," and that in nine others there are indications of a shortage in the near future.

Urgent recommendation is made for individual occupational deferment of students, so long as they continue to be in preparation or training as necessary men in ac-

tivities necessary to National Defense, in the following courses: Civil Engineering, Electrical Engineering, Chemical Engineering, Mining and Metallurgical Engineering, Mechanical Engineering, Chemistry, Medicine, and Dentistry.

Concerning these professions, it is stated, that the Bureau of Labor Statistics' studies have revealed a "dangerously low level of manpower." For this reason, it is suggested that all representatives of the Selective Service System give immediate attention to the problem of preventing any unnecessary increase of these shortages.

Other Shortages Foreseen

In nine other professional occupations, also, authorities foresee shortages although the Bureau of Labor Statistics has not completed its studies. They are: Agricultural Engineering, Sanitary Engineering, Pharmacy, Physics, Biology, and Bacteriology, and four branches of Geology (Geophysics, Meteorology, Hydrology, and Cartography).

In these fields, it is said, there is complete agreement among representatives of industry, colleges, and universities, and practicing professional groups that the present and future demands of the National Defense Program for college-trained scientific personnel will exceed the normal supply of graduating students available to industry at the close of an academic year.

In calling attention to these needs for student deferment, General Hershey stressed that:

"The local board has full authority and responsibility, subject to appeal, for deciding whether he should be selected or deferred. It must consider all the evidence submitted in connection with each individual case and must decide each case on its particular facts."

Concerning procedure on student deferments, General Hershey

said:

"Local boards should approach the immediate problem of reclassification of those students whose order numbers have been passed over because of the temporary student deferment provided for in paragraph 345 of the Regulations and the problem of original classification of those students who are now receiving their questionnaires, with due regard to the national policy.

"To assist local boards in applying the board provisions of the above policy, the general findings of fact to individual cases, a suggested procedure for presenting detailed facts to local boards having jurisdiction of cases of individual students has been prepared by the American Council on Education and concurred in by National Headquarters of Selective Service System. This procedure is set out in detail in the American Council on Education's Bulletin No. 10, sufficient copies of which are being forwarded to State Headquarters, under separate cover, to allow for a distribution of one per local board.

"In brief, this procedure provides for the getting into the hands of the local board a 'Student Statement of Information' presenting the student's statement of his status and plans, and an 'affidavit of the College or University' in which the college officials testify as to the student's standing, courses, and occupational objectives, together with a general evaluation of the student as a 'necessary man.' This information should be considered by the local board in the same manner as a Form 42 in other occupational deferment cases."

General Hershey also requested that State directors cooperate with the colleges and universities in their respective States so that uniformity of operation as outlined in Bulletin 10, American Council on Education, may be attained.