

Tech Scientists Investigating Vital Questions on Rubber

Dr. Harris Directing Mechanical Project On Properties of Synthetic Rubber

Rubber—how much will it stand and how long will it last?

The answers to these vital questions and others about rubber and the synthetic product will be sought by scientists at Illinois Institute of Technology.

The research work—first such investigation in an educational institution—is a mechanics project being carried out by Dr. C. O. Harris, assistant professor of mechanics, and three graduate assistants at Illinois Tech.

The results of the work are expected to tell exactly what can be expected of the rubber compounds and to reveal information about the properties of the product.

The scientists are also seeking to determine how much energy is lost under the strain of using rubber parts, what type of rubber should be used for various purposes and how long rubber compounds will endure under dynamic loading.

The laboratory in which the pioneering work will be done is in itself unique. With no available equipment on the market for such a project, Dr. Harris has designed and built special machinery for the research.

The equipment for the work, which alone is a step forward in the rubber industry, has been very inexpensive. An old automobile distributor, purchased for a dollar, has been incorporated into the basic equipment, the cost of which has not yet reached \$100.

The graduate assistants working with Dr. Harris are: Thomas A. Hunter, George H. Martin, Jr., and Ted Zielinski. All three did their undergraduate work at Illinois Tech.

● Campus

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plants were found at 333 North Michigan.

A safety training center in the Civic Opera Building, completes the eight "campuses" of Illinois Tech.

But so large is the Institute's safety program that it has nine "branch campuses." Illinois Tech safety classes meet at six high schools in the Chicago area and at the St. Peter and St. Paul Church.

The high schools include: Austin, Fenger, Lane Tech, Lindblom, Morton, and Schurz.

Seven industries in Chicago also serve as Illinois Tech campuses one or two days a week, as the Institute has set up war training classes right in the plants for these industries.

These include: American Phenolic Corporation, Victor Adding Machine Company, Carnegie-Illinois Steel Corporation, Wyman Gordon Company, Howard Aircraft Corporation, Western Electric Company, and Revere Copper and Brass, Inc.

In certain isolated cases for particular classes, space has also been leased in various loop office buildings including one class at the Chicago Engineers' Club.

If one is asked where the Illinois Tech campus is, "Chicago" seems to be the only answer that really takes in all the necessary territory.

Peterhans Displays Modern Photographs

An exhibition of modern photographs by Professor Walter Peterhans of the IIT architectural department is now on display at the Art Institute of Chicago.

The majority of the photographs are still life arrangements which display both beauty and precision in technical detail. They are objective in nature, and, although subtle, depict factual statements.

ITSA MINUTES

Meeting was called to order at 2:25 p.m. by Harry Anderson April 13, 1943.

Mr. Spaeth and Mr. Weissman of faculty were present.

Harry Anderson, Earl Mills, Ray Tubergen, Ronald Ailara, Ed Hemzacek and Harry Gillespie of the Board were present. Fourteen members of student body were present.

The chairman of the Dance Club requested financial help from the I.T.S.A. Board. It was discussed and finally decided upon that due to the service the club performs for the students, it should be given due consideration and support.

Ed Hemzacek moved, Ray Tubergen seconded, that the I.T.S.A. Board appropriate \$25 to the Dance Club for instructor's fee for the remainder of the present semester. Motion carried.

The Armour players asked for a loan to cover expenses to be incurred in near future.

Ed Hemzacek moved and Ronald Ailara seconded that the I.T.S.A. Board loan \$50 to the Armour players due to be repaid at end of present semester. Motion carried.

Mr. Weissman moved and Gillespie seconded that all class and I.T.S.A. elections be held second week of next semester. Motion carried.

Ray Tubergen accepted appointment as a committee of one to arrange for another all school sing.

Another discussion was held on having music in the lunchroom and Rho Epsilon agreed to give another trial to an F.M. set. Discussion tabled.

The policy of holding downtown dances sponsored by some part of I.I.T. was discussed. It was suggested that all persons concerned be notified of the powers and policies of the Tail school social committee as set up by the I.T.S.A. Board.

Mr. Spaeth agreed to cooperate by not approving finances for such dances until approved by the all school social committee or the I.T.S.A. Board.

Dick Larson, editor of Tech News, asked that Mr. Ridings be appointed faculty advisor to Tech News.

Harry Gillespie so moved and Earl Mills seconded. Motion carried.

Harry Anderson suggested that an open discussion be held for benefit of Tech News Managing Board. Criticisms were received and suggestions were offered.

Tech News staff explained their positions and asked for cooperation of the Board and student body.

The managing board agreed to present their expense account to I.T.S.A. Board. It was reviewed by the board.

The senior class president of Lewis presented the problem of the senior class at Lewis. The funds of the class were turned over to the field house fund and the senior class at Lewis asked the I.T.S.A. Board to return some of the funds for a senior banquet. It was the decision of the board that they had no authorization to perform such an action. Discussion was tabled.

Next meeting is to be held April 27, 1943, at 2 p.m. in the East Dining Room of the Student Union.

Rush Party Held

Phi Beta Pi sorority held a rush luncheon on Sunday, March 23, at the Knickerbocker Hotel. The rush-ee guests were Rhoda Weissman, Pearl Moskowitz, and Pauline Zamd.

Sphinx Pledges Smile

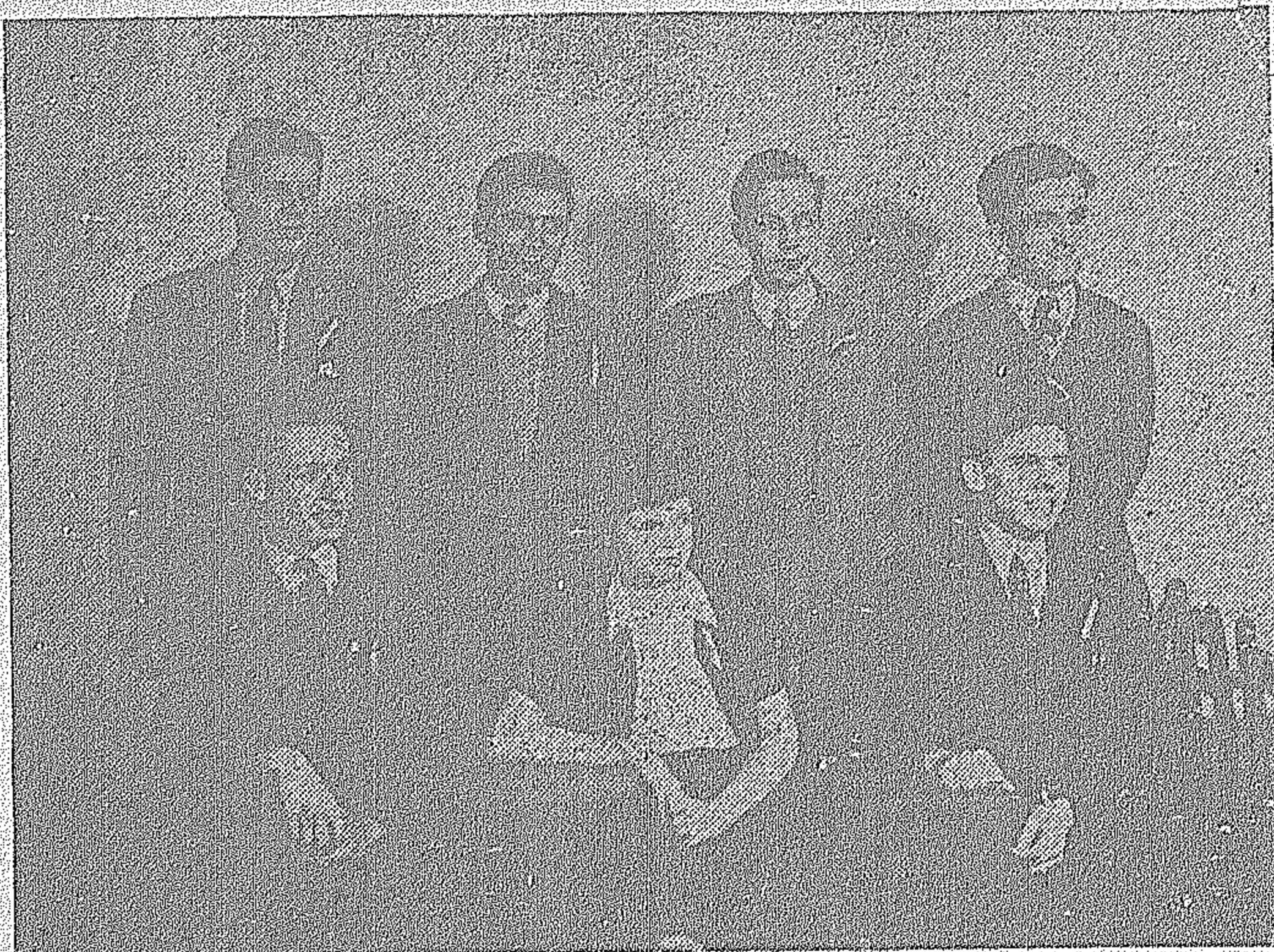


Photo by Visual Training Lab

Top row—left to right: Bob Weiss, Jerry Houle, Chuck Rowbotham, Ulysses Backas,

Front row—left to right: Milt Burkart, Blanche Fried, Art Olson.

Rho Epsilon Pledges Puzzle Campus With Mysterious Buzzes

With radio tubes and brilliantly colored resistors attached to their lapels, plus bizzing sounds arising from the depths of their pockets, the pledges to Rho Epsilon, the honorary radio fraternity, present a striking appearance.

The pledges are Harry Beach, Ken Black, Burton Fried, Peter Fritsch, Joseph Hind, Robert Lamons, Robert Mueller, George Reifensstuhl, George Roskam, and Elston Swanson.

AIEE Plans Picnic For Spring Meet

Tentative plans for a spring picnic were made last Friday by the members of the IIT chapter of the American Institute of Electrical Engineers. The electricals were determined to have a fling sometime in the near future. It was decided that a picnic would be held during the second week of the next semester.

The AIEE will have the privilege of hearing Frank F. Fowle, president of Frank F. Fowle and Company, at their next meeting, April 30. Mr. Fowle's practice covers electric power and telephone utilities, and he is a consulting engineer for the National Electrical Light Association.

The body especially invites all sophomore electricals to attend the meeting. They are also extending an invitation to join the organization. All of those interested are urged to contact Gerald Landsman, chapter secretary.

Professor Ernest H. Freeman was elected as the faculty advisor for the chapter.

A short discussion was held on the subject of the skit to be presented by the electrical department during Junior Week. Although the exact nature of the skit cannot be told, it holds promise of being one that will bring high honors to this department.

Music Clubs to Sing at Shawnee Country Club

The Musical Clubs have accepted an invitation from The Michigan Shore Club of Wilmette, (formerly The Shawnee Country Club), to present a program Sunday afternoon, May 2nd, at four o'clock.

Each boy in the club is asked to bring a young lady as his guest.

Following the concert the boys and girls will be served a buffet supper in the spacious parlor of the club. After supper the concert hall will be transformed into a beautiful ballroom and dancing will be the order of the evening.

Grinter Tells Of Deferments

"All engineers of IIT should be interested in the new change inaugurated last week by the War Manpower Commission regarding the deferment of scientists and engineers," says Dean Linton E. Grinter, who was instrumental in establishing this change, "as this new setup places the problem of the deferment of engineers in the hands of people who know engineering and who are able judges of technical men."

Dean Grinter, advisor to the War Manpower Commission, revealed that the establishment of a National Committee of Engineers and Chemists to advise draft boards on the deferment of essential technical personnel has been authorized by the War Manpower Commission.

Committee members will be selected from the National Roster of Scientific and Specialized Personnel. It is anticipated that the work of the committee will be so extensive that regional subcommittees will have to be set up.

Thus far, the National Committee of Physicists, which has been in existence for some time, has had to pass on about 100 cases per week. There are about 7,000 physicists and 350,000 engineers and chemists in the United States. It is therefore expected that the committee will act on about 5,000 cases per week.

The organization will function as follows: A copy of form 42-A, which is filled out by the firm desiring the deferment of an employee, will be sent to the committee. The committee will investigate the person's qualifications and position in industry, and will report its findings to the local draft board. The local draft board, which retains its autonomy, is expected to act according to the suggestions of the committee. Instructions to this effect have been issued by Selective Service Headquarters.

ASK THE SOLDIER IN THE SOUTH PACIFIC

"BOY, THE HEAT AND WORK DOWN HERE ARE SOMETHIN', AREN'T THEY?"

"WHAT LUCK... COKE! IT'S GOOD FOR THE OLD MORALE."

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