



Plastics Exhibits To Be Sponsored By Armour May 2

New York City to Be Site of Exhibition

For two weeks, beginning May 2, 1938, Armour Institute of Technology will sponsor an exhibition, the first of its kind ever assembled, of plastic materials and new plastic products. This exhibit has been on public display in New York City where it excited considerable interest among not only manufacturers, engineers, and designers, but also the public in general who are finding these plastic products in their homes and in their offices, and who are anxious to learn more about them.

Effective Use of Plastics

The exhibits to be shown typify not only the effective use of plastics, but also show how the use of these man-made materials has solved a long-felt problem. This exemplifies a new manufacturing process by which a complete line of instruments can be marketed without a great amount of expensive tooling up, as the product is cast from liquid resins without pressure in very inexpensive molds, and the design is accomplished in a secondary operation when lines and shapes are introduced.

Compact Yet Light

Dishware of molded resins will solve many problems of non-inflammability, lightness, compactness, nesting qualities, non-fragility and style, for use on trailers, yachts, and passenger planes; a steel mesh-lined leather messenger bag contains plastic mechanism which locks the bag when seized from the carrier, and after a delayed period produces a series of detonations and emits dense streams of yellow tracer smoke, thus attracting attention and aiding police pursuit; ophthalmic lenses made of plastics compare very favorably with glass for correcting all phases of impaired vision; an airplane windshield, with specific gravity of only 1.18, is extremely lightweight and yet possesses great strength, because it is formed from one sheet into a three-dimensional curve; a molded spoke gear represents an advanced step into the evolution of non-metallic gears for elimination of noise in the timing mechanism of high-speed motors; a lamp guard cage, designed for use

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Senior Placement Grave: Setterberg Fewer Companies Make Senior Interviews

By W. N. Setterberg

College graduates will find the going hard when seeking work after commencement this June. The indications are that conditions will parallel those prevalent during the years 1932-34.

Business in general began to fall in August 1937 and a decrease in the number of calls for men for positions in industry was noted. Companies in the heavy industries, whose business reached heights equal to those during 1928-29, felt the decline in business quickly and immediately resorted to measures of economy. At first, the result was shorter hours for the men and later, when production became lower, the result was wholesale lay-offs. This condition brought about an increased number of men seeking employment.

At the present time there are about 100 unemployed listed on the records of the Institute Placement Office. This figure is not high, representing a little over two percent of the total number of the alumni; but, nevertheless it is significant and presents a problem. This condition reproduced at other points throughout the country can become very serious.

During the latter part of No-

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Komarewsky Presents Paper before A. C. S.

The American Chemical Society's meeting at Dallas, Texas was not one of the largest gatherings of this learned group but it was quite successful in the discrimination of recent progress in Chemical Research. Dr. Komarewsky stated that the meeting was well attended, having a total of about one thousand in attendance in the various divisions. The Petroleum Division alone had an attendance of three hundred. The trip was of special interest to those members of the Petroleum Industries because of the proximity to the Texas oil fields. Numerous inspection trips were provided for the enjoyment and education of the visiting scientists.

Among the theses presented was one by Dr. Komarewsky and N. Balai of the Research Foundation in conjunction with the Universal Oil Products Company. He presented a paper on the "Dehydro-polymerization of Ethylene." The article may be summarized in the words of the co-authors. 1. "It was found that by subjecting ethylene to a catalytic polymerization in the presence of a polymerizing and dehydrogenating catalyst a directed conjugate polymerization takes place with an increased formation of aromatic hydrocarbons in gasoline fraction. 2. By subjecting ethylene to a thermal polymerization in the presence of a catalyst nickel a formation of aromatic hydrocarbons takes place. 3. These facts prove the correctness of the mechanism of ethylene polymerization suggested by Ipatieff and Pineas." This was just one of the many papers presented to the conclave of eminent scientists and students.

Social Science Dept. Gives Many Lectures

The social science department of Armour has been doing many things in recent weeks. The professors have all been very active in the delivering of lectures to several economic organizations upon important current topics.

During the first part of last week Prof. Dutton acted as one of an examining committee on a state project. The state has started several administrative organizations as a result of the recent unemployment insurance acts. Since the employees of these divisions are to be under civil service management, the examination board was required to see that the proper men were selected.

In addition to these activities Prof. Dutton has also been lecturing on several occasions. On April 19 he addressed the Chicago Chapter of the Society for the Advancement of Management on the subject of "Management: Some Overall Considerations." Also on April 5, he spoke before the junior section of the Western Engineering Society on "Opportunities in Management for Engineers."

Professor Goetz is going to give a one-man debate on the subject of "Collectivism" at the Literary Club of Chicago next Monday evening. This subject has become increasingly important in recent years with the development of dictatorships in so many countries. Professor Hansen has been working upon his professional job of statistical actuary in the field of unemployment insurance.

Kent Talks on 'Television' Before Commerce Convention

Earl L. Kent, a member of the electrical department lectured on the subject of "Television" at the East Chicago Chamber of Commerce forum meeting last Thursday noon in the East Congregational church auditorium.

Mr. Kent is a graduate of Kansas State College where he received his Master of Science degree. He has spent three years in study and research work on television equipment. At present Mr. Kent is building a high definition television transmitter, the first in Chicago.

Sphinx Initiates Eight Men into Fraternity

Sphinx fraternity, honorary literary society, initiated eight new men into their ranks last Tuesday night. Sphinx honors a selected group of men each year for their achievements on the school publications, the *Armour Tech News*, *Engineer* and *Alumnus*, and the *Cycle*.

The men were inducted into the organization at a banquet given in their honor, in the faculty grill. A large number of the alumni were present to witness the ceremonies and aid in the festivities. Among the faculty representatives at the occasion were Professors Finnegan, Hendricks and Ahern. The two first mentioned are honorary members of the Armour chapter, while Professor Ahern is a member from his student days.

Those who were honored include: B. W. Bernstrom, T. A. Clark, H. R. Coyle, Max Ephraim, S. P. Finnegan, R. I. Jaffee, C. W. Reh, and H. E. Stehman.

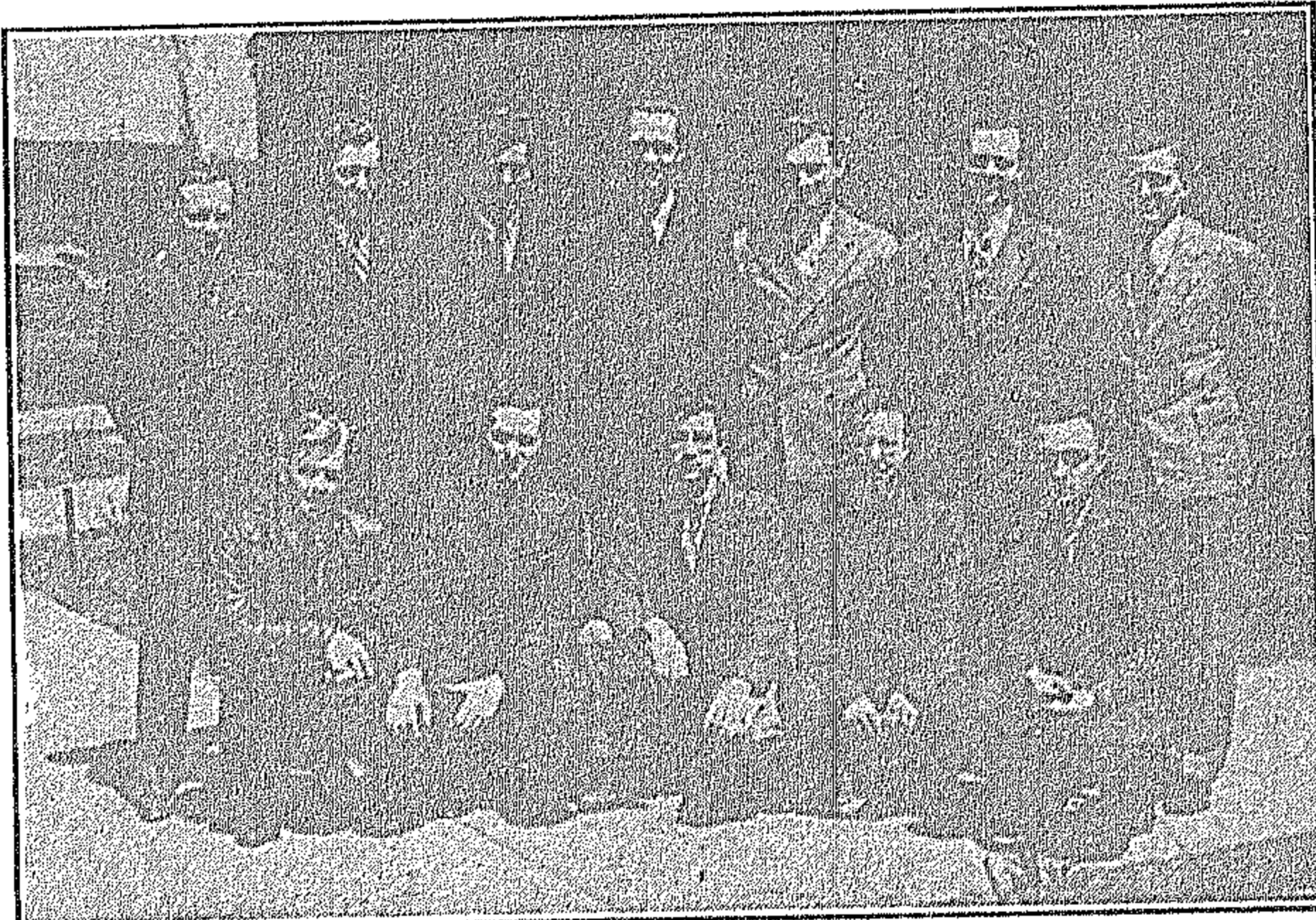
Elect P. Hendriksen President of A.S.M.E.

Officers for the coming year were elected at the meeting of the Armour branch of the American Society of Mechanical Engineers, held last Friday at 10:30. The men elected to office were: P. Hendriksen, president; H. C. Soukup, vice president; J. J. Janicek, secretary; B. W. Bernstrom, treasurer. Professor Nachman was elected as (faculty) chairman.

The new officers will take over their specific duties at the next meeting. Plans for the society's activities for the next year have already been discussed by the new staff. An event of primary importance will be an proposed trip to Detroit next fall, expressly for the purpose of inspecting various automotive industries in that vicinity.

The winner of an award of a Junior Branch membership, worth ten dollars, will be announced next week. The awarding of the membership will be based on scholarship and service to the student branch of the society.

PLEDGED TO TAU BETA PI



Pledged last week to Tau Beta Pi, engineering honorary fraternity, are, left to right, top row: W. J. Laise, P. J. Peltier, L. Lange, B. K. Lyckberg, C. J. Kovacic, A. M. Zarem, and N. D. Rice; bottom row: H. S. Anthon, R. A. Braun, T. W. Yeakle, H. B. Nicholas, and I. Gebel. Missing from this picture are Tau Beta pledges L. B. Parker and L. B. Poskonka.

Freshman Fatally Shoots Self While Cleaning Rifle

Theodore A. Andersen, an Armour freshman student, was fatally shot last Monday when a rifle that he had been cleaning accidentally discharged. Andersen had made a hobby of his collection of guns. He was known to many Armour students through his connection with the glee club and interclass athletics.

A.T.S.A. to Elect Officers Shortly

The Armour Tech Student Association is to have its annual election in the very near future, according to President C. W. Dunbar. Each year, close to Junior Week, the students are called upon as an entire body to express their choice as to the men who are to lead them for the following year. This year the elections are to be held shortly after the close of Junior Week, possibly the third week of May.

President Dunbar has completed his selection of the nominating committee and lists them as follows. The men are Dick Vandekeft, chairman; W. J. Chelgren, E. F. Wagner, W. B. Kruse, Paul Hendrickson, Eugene Worcester, Bob Graham. The nominating committee will propose men for the position of first vice-president, second vice-president, and secretary. According to the provisions in the A. T. S. A. constitution there must be at least two men nominated for each job.

The procedure in the A. T. S. A. offices is for the first vice-president to be from the present sophomore class and the second vice-president to be from the junior class. When the first vice-president reaches his senior year he will automatically become the A. T. S. A. president.

Half of Faculty at S.P.E.E. Convention

With about fifty per cent of Armour Tech's faculty in attendance, the Illinois-Indiana section of the Society, for the Promotion of Engineering Education will hold its fourth annual meeting next Saturday at the Rose Polytechnic Institute, Terre Haute, Indiana. Professor Winston of the mechanical engineering department and member of the board of directors of the S. P. E. E. will officially represent Armour.

Activities will start next Friday evening with an informal dinner and group discussion for those who arrive early.

The main program will get under way Saturday morning with a speech of welcome by Dr. D. B. Prentice, president of Rose Polytechnic Institute. The morning's business will also include the regular business.

The afternoon session will begin immediately after luncheon and will be composed of group conferences in the various divisions and departments of engineering. Members of Armour Tech's faculty will take an important part in these. Mr. C. O. Harris will be the chairman of the mechanics conference, while that in shop laboratories will be presided over by Professor W. A. Pearl. The faculty members who will take active part in the conference program will include Professors H. McCormick, W. Hendricks, H. A. Vagthorg, W. H. Seegrist, R. C. Kinter, A. W. Sear, C. E. Hammet, W. A. Spencer, S. M. Spears, and W. A. Wagner. Each will speak on topics related to their own field in engineering.

Professor McCormack will give "An Engineering Professor's Opinion" of engineering, while "An English Professor's Opinion" will be expressed by Professor Hendricks.

Junior Week Will Make Grand Entry Next Week

JUNIOR WEEK PROGRAM

Tuesday—May 10

1:30—Interfraternity Track Meet.
Evening—Interfraternity Open House.

Wednesday—May 11

9:00—Frosh-Soph Baseball Game.
10:00—Junior-Senior Baseball Game.
3:00-10:00—Open House.
9:45—Dancing in the Gym.

Thursday—May 12

9:00—Interclass Baseball Finals.
10:30—Interclass Relays.
11:00—Frosh-Soph Events.
1:00—Senior-Faculty Baseball Game.
2:30—Pentathlon.
8:30—Annual Spring Concert of Musical Clubs and Interfraternity Sing.

Friday, May 13

9:00—Interfraternity Baseball Finals.
10:00—Junior-Senior Events.
1:00—Interfraternity Pageant and Presentation of Awards.
3:00—Class Rush.
Evening—Junior Dance.

Head of Insurance Patrol Lectures Before F.P.E.S.

Captain Young of the Chicago Fire Insurance Patrol spoke before the F. P. E. S. last Friday. With the aid of many fine slides Captain Young told of the work of the patrol in salvaging property.

There are about ten patrols in the city, each one operating in an area of about twenty-five square miles. Each patrol carries forty 14 by 19 foot canvas covers with it for the purpose of covering furniture in a burning building. They also carry first aid equipment.

The patrols are paid for by the fire insurance companies who give two percent of their income for their support.

H. S. Anthon Elected W. S. E. President at Combined Meeting

Officers for the coming year were elected at the meeting of the Armour branch of the Western Society of Engineers last Friday. H. S. Anthon was elected president, and will be assisted by C. W. Reh, vice president, B. Kirz, treasurer, and E. C. Carlson, secretary. F. W. Neubauer is the new student representative.

The speaker of the meeting was O. T. Birkness, consultant sanitary engineer, who spoke on the subject "Water, Sanitation, and Filtration." The oldest of the various methods of sterilizing water, according to Mr. Birkness, was used by the Chinese, who simply boiled it. The next important step in the sterilization of water did not occur until the early part of the twentieth century, when bleaching powder began to be used. This was followed by the use of hypochlorite of lime, liquid chlorine, and chlorine gas.

Some of the many uses of chlorine and chlorine compounds other than in the treatment of water were also discussed by Mr. Birkness. These included use in the disposition of sewage and ordors, the sterilization of wounds, and the bleaching of paper and flour.

On Friday, May 20, the W.S.E. will hold a picnic with abundant refreshments for members, professors and their wives at Nickolas Marsh's farm near Antioch, Illinois.

NOTICE!

Editorial reporters and members of editorial board: An important meeting is to be held in the Tech News Office today at 12:20. It is imperative that every member of the staff be present.

Classes Vie in Friendly Rivalry in Various Competitions

Junior Week with its carnival of fun, sports events, exhibitions, contests, dancing, singing, concerts, pageantry, Open House, and the Classic annual frosh-soph rush will be crammed into three short days this year beginning Wednesday, May 11. "Weather permitting—weather is all important—the event promises to be one of the most successful events of the college year," said Junior Marshal J. Janicek. All classes will be dismissed for these three days.

Open House First Event

Open House, traditionally popular event of the Institute will be held Wednesday afternoon beginning at 3 p.m. Plans are being made to make it one of the greatest exhibits of Armour Tech. Scientific exhibits are being planned for popular appeal. Work done by former students will also be on display. All departments of the Institute will participate. Dancing to the music of an eight piece orchestra will follow at 9:45 in the gym. Everyone is welcome. A large attendance is expected.

The senior-faculty game is expected to be a walk-away for the faculty again this year. For many years now the faculty always managed to nose out the seniors by a sizeable score. Professor Schommer is counted on to lead the faculty to another victory. It has been rumored by some of the juniors that the seniors lose for strategic purposes but this has been heatedly denied by every senior class of the past who has lost—and they all have. Professor Schommer contends that it is just a matter of superiority. The game should be very interesting.

Spring Concert Thursday

The Annual Spring Concert of Musical Clubs which takes place the same evening, Thursday, at 8:30 will include the Interfraternity Sing and will be held in the Assembly Hall. Everyone is invited to attend. Admission is free. O. Gordon Erickson, Armour's Musical Director, has arranged a variety program that promises to be very interesting. The fraternities who will participate in the

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Glee Club to Sing on C B S Coast - to - Coast 'Music Week' Program

Busses will leave at 10:30 Friday morning to entertain at the New State Hospital in Kankakee at 1:30 p.m. Then at 3:30 the same afternoon, the members of the musical clubs will present a concert before the Kankakee High School. The audience will be entertained by the school's 100 piece band until the Armourites arrive. Another program will be given at the Old State hospital in a seven o'clock performance.

Next Saturday morning, May 7th, the glee club will sing over a coast to coast Columbia network, under the direction of O. Gordon Erickson from 11:15 to 11:30 a.m. The Chicago outlet will be radio station WBBM. The tentative program begins with the Alma Mater and followed by: *Secrets*, *Black Eyed Susie*, *The Drum*, *Old Man River*, a baritone solo by Thomas Yeakle, entitled, *Had a Horse*, and *De Animals A' Comin'*.

Last Friday evening the glee club and orchestra presented a program before the members of the Evanston Country Club and the "dates" of the Armourites. After the concert, the musical members danced in the main ballroom of the club.

A private dining room was reserved for the musical club members at "Cooley's Cupboard," a swanky Evanston restaurant.

Another concert was presented before the Union League Club last Saturday afternoon. The members of the Union League Club are prominent business men about Chicago.