



## Jack Russell and Floe Dare Featured at Sophomore Dance

### Affair Will Be Held This Friday at Medinah Athletic Club

Next Friday evening, February 10, the long awaited social of the season, the sophomore informal, will be held in the Grand Ballroom of the Medinah Athletic Club. According to reports this promises to be one of the really fine dances of the year and should be well worth the while of all who attend.

Great pains have been taken by social chairman, Bud Murray, and his committee, Fred DeMoney, Bill Grosse, Joe Hartman, and Elmer Ratzel, to make Friday eve a dance which will not soon be forgotten. To make sure that the music will be at a par with everything else, Jack Russell, and his WGN orchestra, featuring Floe Dare, as vocalist will provide the musical side of the occasion. Jack recently completely an engagement at Melody Mill Ballroom and his success speaks for itself.

### Has Ample Lounge Facilities

When the Grand Ballroom of the Medinah Athletic Club is filled with the harmonious tones of the orchestra and the feminine pulchritude of Floe Dare, nothing else could be added to bring about that exhilarating feeling to everyone as he begins the toil of the new semester, except to add that the tax is only \$1.75.

For all those who are not so well versed in the art of "tripping the light fantastic," there are ample lounge facilities, part of which consists of a balcony overlooking the dance floor. There is also a private check room to be used exclusively by those attending the dance, and for all those who drive a parking lot a block square is provided.

### To Take Souvenir Pictures

The bids, which are of a black and white design, may be procured from any member of the social committee on the bid committee, of which D. Crego is chairman. This gala affair will begin at 9:30 and will last until 12:30 and for all those who want a souvenir of the dance, pictures will be taken in the lobby outside of the dance floor.

## Moreton Takes Leave of Absence Hendricks in Charge of 'Engineer'

President H. T. Heald granted a leave of absence to Professor D. P. Moreton. Professor Moreton was the general manager of the *Armour Engineer and Alumnus* and the head of the public relations department of the Institute, as well as professor of direct current machinery. He officially left the school February 1.

### Hendricks To Head 'Engineer'

Professor Walter Hendricks, chairman of the English department, was appointed editor-in-chief of the *Engineer*. He will have jurisdiction over the editorial and business policies of the publication with an advisory staff of three faculty members. Professor Finnegan will represent the engineer's viewpoint, Professor Thompson will oversee the scientific aspects of the article, and Professor Larkin will read the article to judge it from the business or economic angle. It is thought that this system will cover the varied viewpoints so necessary to producing authoritative and interesting technical articles. Professor Hendricks will be in complete charge and will have student assistants that will help to arrange articles and file photographs and cuts.

### "Morgue" To Be Established

A "morgue" has been arranged in the office of the *Engineer* whereby all cuts of the *News*, *Cycle* and the *Engineer* can be located. Students that have been selected by Prof. Hendricks are: Stephan Finnegan, Sid Heenan, Gene Kalnin, John Ratto and Delano Wessels. The photographs and cuts will be separate. The cuts will be divided into four groups: portraits; buildings and grounds;

**NOTICE**  
Any students interested in joining the staff for the next year are asked to attend a meeting today at 12:30 p.m. in the NEWS' office second entrance Chapin — third floor.

## Faculty Discusses Work of Surveyors In WCFL Broadcast

Continuing the series of talks over WCFL a discussion on surveying was carried on by Professors Penn and Stevens of the Civil Engineering department, and Professor Larkin of the Social Science department, a week ago at 12:15.

Land surveying since the beginning of the United States was discussed. The original thirteen states of the United States were not secured in any orderly manner, and accordingly all boundaries and marks are very irregular and indefinite. Since 1800 a land law has been enacted regulating the division of land into townships and sections.

Corrections for the curvature of the earth are made in the laying out of townships. The closest approach to correct land measurements must be made in the form of a trapezoid. Surveys are based on Greenwich, England, for zero longitude, and the equator for zero latitude. Increased demands for accuracy however, have demanded that a reference point be established within the United States itself. This necessity is caused by the fact that a slight movement of the North American Continent in an easterly and westerly direction is noticeable. This reference point is located on Mead's ranch in Colorado. Measurements of such accuracy as to notice such microscopic movements of continents is only noticeable by making measurements of the stars with astronomical instruments.

Microscopes was the subject of the talk the week before over the same station. Professors Colvert, Copeland, and Zeigler carried on the discussion.

athletics and activities and miscellaneous. Each will be arranged in a paper folder which has been properly recorded and filed according to number. Then if a cut has a number B-6, it can instantly be found to belong into the building group and

### ENGINEER HEAD



Prof. Walter Hendricks

the photograph found by a survey of the file.

"We expect and hope to build from the foundation that has already been established," said Professor Hendricks when interviewed last Friday.

Average distribution of the *Engineer* is about 14,000 copies and the maximum number ever printed for one number was 22,000.

Professor Moreton began his work with the publication 3 1/2 years ago the last issue being his 14th issue. Students were in complete charge of the publication before Professors

(Continued on page four)

## Prof. Roesch To Instruct New Engineering Course

A new course in Diesel Engineering and Design will be available to junior automotive students next semester. According to Professor P. C. Huntly, director of the mechanical engineering option, the course includes such topics as exposition of cycles, valve timing, brake horsepower, fuel characteristics, gas laws, injection systems, and design features of the compression ignition system. Two hours per week will be allotted for the course. It will be taught by Professor Daniel Roesch of the automotive engineering department.

As a continuation of M. E. 511, "Metallurgy and Heat Treatment as Applied to Welding" will be taught next semester by Prof. W. A. Pearl. The course will consist of advance study of microstructure before and after welding and investigation of heat treatment and stress relief.

## Appoint Three New Men for Faculty Roles

President H. T. Heald announced last Friday the appointment of three new members to the faculty of Armour Institute of Technology. Assuming their positions immediately, the appointees will augment the present civil, mechanical, and fire protection engineering staffs.

First of the appointees is Mr. Clayton O. Dohrenwend, who returns to the Institute as a civil engineering instructor. Mr. Dohrenwend had previously taught at the Institute, leaving his position for doctorate study at the University of Michigan, in September, 1937. He holds a Bachelor's and Master's degree from Rensselaer Polytechnic Institute, as well as a Master of Science degree in physics from the same institution.

### Studied at Case and Yale

Dr. R. C. Minarik is the new appointee in the mechanical engineering department. A graduate of the Case School of Applied Science, Dr. Minarik received his Master of Science degree from Yale University and his doctor's degree from the University of California in 1934. From 1933 to 1933, he was instructor in mechanical engineering at the University of California. Author of many technical articles, Dr. Minarik has been engaged in extensive consulting work, having been chemist of the Ohio Chemical Company, consultant to Columbia Axle Co., research and development engineer for the Vichok Tool Co., and engineer-in-charge for the San Francisco Bay Region Tire Survey.

### Sorensen Takes Insurance Job

Mr. Sven Anderson, newly appointed instructor in fire protection engineering and a graduate of Armour Institute of Technology in 1932, returns in a teaching capacity when he assumes his duties this term. He succeeds Mr. Jarl T. Sorensen, who has been an instructor in fire protection engineering at the Institute for the past two and one-half years, who received an appointment on the staff of the Insurance Company of North America.

## Schommer Visits Large Corporations, Objective Is Placement of Seniors

Continuing his efforts to have as many Armour men placed as possible, John J. Schommer, director of placement, made personal visits to many large companies last week. He visited steel companies, engineering firms and various other corporations talking over the possibilities of employing Armour graduates with the personnel managers.

During the last semester all but four members of the '38 class have been placed which shows a very good record for the placement department. Many positions await the June graduates as letters received recently seem to indicate. Many upperclassmen were employed as mail clerks, department store clerks and delivery clerks during the Christmas holidays through the efforts of Mr. Schommer.

## Five Awarded Year Tuitions

Announcement of the winners of freshman scholarships was made by the Dean's office last week. The five winners and their high schools are: William T. Brazelton, Schurz; Hugo H. Geissler, Lindblom; David Roth, Tuley; Fred Sternberg, Aurora; Marvin D. Tornga, Calumet. The alternates chosen are: Stanley E. Asplund, Lane; Aaron Kolom, Crane; Theodore B. Novey, Tilden; Philip Rosenberg, Roosevelt; Warren E. Spitz, Hyde Park. Due to the withdrawal of Roth and Sternberg, Kolom and Rosenberg will serve in their places.

The scholarships are awarded twice annually to incoming freshmen, five for the February class and ten for the September class. Selection of the winners are made on the following basis: a high rating in the competitive exam in physics, chemistry, and mathematics, and a satisfactory rating in English; a successful high school career, in both studies and extra-curricular activities, and a personal interview with members of the scholarship committee.

Activities of the appointees in their various schools are: Phillip Rosenberg, basketball, baseball, football, gymnastics, student publications and the musical club; H. H. Geissler, debating and chemistry club; W. T. Brazelton, baseball, track, and Y.M.C.A.; A. Kolom, basketball, literary publications, national honor society, and valedictorian of his class; M. D. Tornga, baseball, basketball, track, tennis, and student publications.

## New Lasker Boiler Will Be Entirely Self-Regulating

In accordance with the modernization and improvement program for the Armour heating and power plant which was begun last spring, a completely automatic control board is being installed and prepared for operation. Housed in a neat, modern designed, black cabinet, the board houses a Republic steam flow meter, Upstack draft gauge, Overfire gauge, Air duct gauges, a Smoot controller and a flue gas temperature recording device. Also included are the controls for manually operating the boiler room equipment. A system of illumination from the rear, enables the controls to be easily read from all directions.

### Boiler Has Forced Draft

A Westinghouse, two cylinder, air compressor driven by a three horsepower electric motor is the heart of the system. Operating under a pressure of 40 pounds, the compressed air operates plungers which control the operations of the blower, stoker and flue adjustments.

After the representatives from the Republic Meter Company examine the installation and instruct the boiler room attendants in its operation, the board will be placed in service. The new 450 H. P. Lasker "Steam Producer" Boiler will be controlled by this unit. The boiler is fed by two Detroit Roto stokers and is supplied with a forced draft by a blower built by the Clarage Fan Company. This fan is so well balanced that the draft from the 175 foot chimney causes the fan and the ten horsepower electric motor, attached to it, to rotate continually on its ball bearings.

### Plant Supplies A.C. and D.C.

To prevent the chimney from becoming a smoke menace, a three inch layer of special boiler lining was installed. This lining extends from the grate, around the tubes, to a height of three feet. Approximately one ton of this special cement was used. This layer or lining of the boiler is heated red hot and consumes the smoke, thus preventing its appearance from the huge stack. Another feature of the boiler is the siphon arrangement for removing the fly-ash from the tanks. This apparatus removes the ash and injects it back into the flames to be consumed.

The power plant's main purpose is to generate the electric current (D. C.) used at the institute. The buildings are heated from the exhaust steam from the engines driving the

(Continued on page four)

## New Staff To Be Announced at Banquet; Poulter Main Speaker

### Poulter To Speak of His Seismographic Antarctic Work

In his talk before the members of the *Tech News* staff at their annual banquet this coming Thursday evening, Dr. Thomas C. Poulter will describe the processes of exploring the Antarctic continent by means of the seismograph. He will bring along a replica of his original equipment, valued at \$10,000, and motion pictures to demonstrate the technique used in obtaining data.

Seismic observations depend upon the principles of reflected and transmitted wave fronts travelling through the earth's surface. A charge of explosive is set off at the surface, generating a wave front. This wave front then travels down into the earth be-

### PRINCIPAL SPEAKER



Dr. Thomas Poulter

neath until it strikes a layer of some material which is different from that through which it has been travelling. At that point some of the force of the wave will be reflected back up to the surface of the earth where it can be detected by a pair of earphones. By measuring the time required to complete the entire trip, and knowing the velocity of wave travel in the given

(Continued on page four)

## Add Many Graduate Subjects to Night School Curriculum

New courses are being offered this semester in several of the departments by the graduate division of evening school for those desiring advanced degrees and for other qualified students. In the chemical engineering department a course in ceramic engineering will be taught, including a study of the basic engineering and chemical processes involved in vitrification, production of refractories, and cement manufacture. Dr. H. G. Fisk and Dr. H. G. Whittaker will be the instructors in this course.

The Theory of Elasticity is a course offered in the civil engineering department which is concerned with the mathematical and laboratory methods of investigating stresses. Problems applicable to both civil and mechanical engineering will be studied under Dr. H. Reissner. The civil engineering department also offers a course in The Chemistry of Sewage Treatment, emphasizing practical applications, with Dr. F. W. Mohman and Mr. E. Hurwitz as instructors.

Applied Plastics is a new course taught by Mr. J. Delmonte in the mechanical engineering department which treats the manufacture of plastics from the point of view of the process equipment and physical characteristics of the product obtained. The mathematics department is offering a new course entitled Modern Higher Geometries in which non-Euclidean, projective, and inversive geometries as well as their applications to relativity and to space configurations will be studied. Dr. M. Sadowsky is the instructor.

The administration states that additional courses will be offered upon evidence of an adequate demand.

## Speeches, Singing and Movies To Provide Entertainment

Armour's journalists will have their night to howl this coming Thursday evening at the annual *Tech News* banquet. This event is a high light in the year's activities for the scribes, and is always well attended by all of the staff. It will be held in the Union luncheon.

Arrangements for this year's banquet have been placed in the hands of Robert Jaffee, the present managing editor of the *News*. He has planned for a full evening of eating, singing, movies, and speeches. All the members of the editorial board, the publications board, the dean, the president and other notables have promised to be in attendance.

### To Display Valuable Equipment

The speaker for the evening is to be Dr. Thomas C. Poulter. He will address the group on "Seismographic Work in the Antarctic." He has promised to bring along a duplicate of the equipment which he used for this work on the second Byrd expedition. It is a masterpiece of the instrument makers art and is valued at \$10,000. Dr. Poulter also will bring along some pictures of his seismic activities to show the technique that was used in taking data in a rapid and efficient manner.

Dinner is to be served promptly at 6:30 to allow the students attending the banquet to get home at a reasonable hour. Between the courses of the meal there will be group singing. All of the school songs and a group of popular tunes have been printed up for the occasion.

### Install New Staff

After the dinner a short address will be made by Professor Hendricks, who is the chairman of the advisory publications board. Following this the announcement of the new staff for the coming year will be made.

Presentation of the new staff will be made in a more formal manner at this banquet than has been the practice in former years. Each man will be told exactly what his duties are and he will be presented with his official credentials. This will serve to give a little more honor to the positions than has been placed on them in the past and will serve to establish the functions of each office in a clean cut manner. It's hoped that this will make the *News*' staff function more smoothly.

After the staff has been presented, the Dean, Dr. Tibbals, will address the group. He will be followed by President Heald, who will also say a few words. Dr. Poulter, the speaker of the evening will then be introduced.

## Musical Clubs Going on Tour

Armour Tech's Musical Clubs are now casting off anchor for the second semester voyage. The first port toward which they will steer their vessel is Dwight, Illinois, and should arrive there one week from Friday, February 17, in time to refuel and entertain the wharf-folk with a few of their well-rehearsed sea-chanteys and instrumental ditties.

February 23 will bring the good ship and its musical crew back to Chicago with a stop at Grant Park's famous Goodman Theatre. For the past three years the Musical Clubs of Armour Institute of Technology have made this port and have never left it without giving the assembled Techawks the "thrillingest" concert imaginable.

Here are the old timers with salt behind their ears that will spin yarns about Barnacle Bill, Singapore Lil and all the rest: "Girl-in-every-Port" Danforth, "Handsome" Charleston, "Pee-Wee" Doolittle, and "Limehouse" Yeakle. The lads that are just gaining their sea legs are "Kid" Hansen and "Rush" Gromak.

Tilden Tech High school has invited the group over to their school for a concert Friday, March 17. Future dates will include Rotary Club and Union League Club luncheons, CBS, Mutual Broadcasting System.

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### We Step Out

When selected for our positions last February, we felt that a year was a long time for us to manage the paper. Being anything but that, the time has passed so quickly that we find ourselves "stepping out" making way for the new staff which will be announced Thursday evening. Some weeks at the beginning of our term we were often tangled and always lacking vital news, but as the semester became older this difficulty was overcome.

Having created some new ideas and perfected a system as a "stepping stone" in the history of the TECH NEWS we have endeavored to print material which we thought would be of interest to the majority of students.

## Stoopbrain Flunks Out Kold But Kondemz Library Fynez Corp. and Snow Stormz

Deer Sally,  
Moonglow Cassanova, famuss statesman and lover wonce sed, quote: Hea drank the sweet nectar from her lips, as beneath the moon they sat, and wondered if any man befour, had drunk frum a mug like that, unquote.

Wel, deer Sally, greetings of the new year. I am sorry I haven't ritten yew suner sinze I got bak tew skool after the Christmas hoydays. However I hav ben so buzy withe this and that including final exams that I haven't had any spare tyme. Oh, what exams. Take, four example, the final in our Weakness of Materials course. The first question starts owt: given a steal "I" beam of such and such a size. If its stressed a certen amount in a bridge, don't the little molecules feel pretty tired. Answer yoe or not. Then in our thermo course final, a typical question waz: "If steem at a prezure of so and so pounds enters a boiler at 700 degrees F, iz the steem heeted, superheeted, heeted-super or just d-n hot. If so, wat of it." Then at the top of the sheet it sez: "Work any nine of the following—yowre choice." Wat I couldn't figure owt waz that there were only nine problems.

Laste weak wea got the happy news, and agin I kame threwh with flying colers in my marks. I got excellent in every subject of coarse on the sheet withe the marks they hav to abbreviat and so they juste put down "E" after each subject. Even the prof. at the hed of our department complemented mea on my marks: "Yew will goa far, my boy, yew owr halve way tew negative infinity already, unquote.

Rejistrashon waz also laste weak, withe us digging deap in a dream, I meen deap in our pockets for another 200 bucks for tuition, fees, books and the biggest item—library fines. It is rumored that this laste item iz reelly big business and a monopolly, and that the government iz tew investigate. Won ugly rumor iz that Library Fines, Inc., Armour

branch, iz parte of a gigantic holding company withe branches in awl colleges and universities and that they declared a dividend of \$150.00 a share on one million shares of common stock laste year. It iz further rumored that a speshall prosecutor haz ben appointed by the name of Foowey to klean up thiz business.

A funney thing hapened a weak ago in thiz grate city. Snow and more snow. Dew yew no wat snow iz, deer Sally, living down there wear such stuff iz not noawn. Snow iz that wich without it Halt Bisney wuld hav had only White and the Seven Dwarfs. It iz that stuff wich floats down so white and pretty frum the sky that yew think yew owr in heaven. But wen yew hav to shovel it threath feat deap off 150 feet of sidewalk yew wish yew were in h—l. It wuz so deap on the streats that wenever an automobile went down the streat awl yew culd sea wuld bea a ripple on the top of the snow moving in the direction the car wuz going. Streat car and elevated trains were so slow that to pass the tyme away they showed double feutures to the riders on the trains, offering free dinnerware to the ladys with ten cent tickets and free cigars to men over twelve.

Thiz weak iz certianly crowded withe activity. Thursday nite iz the Armoure Tech news banquet in the Misshion. Hear, awl us scribblers and propounders of the written word are tew gather to eat, heer speeches, eat, heer more speeches, eat and heer about the promoshions fore next semester. Then will follow sum humerus (?) entertainment (?) Friday nite iz the annual Soph dance, tew bea held at the Dinah Athletic Club.

Wel, deer Sally, enuff of thiz prattle az it iz tyme tew close. Az Algier Drinkwater wonce sed, quote and unquotee tew hiz professor of hier mathematics' question of wat iz an example of an imaginary spheroid, he answered: a rooster's egg.

We considered the "frosch" affairs on the same standard as those of the seniors, favoring none. By publishing articles in an unbiased form and supporting the class dances in the best possible manner, we believe that we have achieved our goal as we set it at the beginning of our term. The retiring seniors can honestly say that the brief period of time spent as a member of the staff will be long remembered as a pleasure in rendering a little service to our school.

The next issue will be under the jurisdiction of the new staff and we hope that they have benefited by our mistakes as they begin one of their most enjoyable years at Armour, to them goes our very best wishes.

### We Need a "Campus Day"

Many universities and colleges have one day in each school year reserved for a "Campus Day." If we could also adopt a system of this kind, it would prove beneficial to our school.

In other schools, the coeds polish desks, arrange books in the library, or assist in a general rearrangement of the furniture. The male students meanwhile, spend their time in an attempt to beautify the grounds, paint and varnish the floors and furniture and cleaning of laboratory equipment.

The logical period for a "Campus Day" would be a date near our annual "Open House." Our visiting day happens to fall on May 10th this year and the day before would be an ideal time for a work day. A number of "squad bosses" could be selected and they in turn could select ten students to form their squad. Then, by previous arrangement, each squad would have a definite duty to perform. One could paint water or steam pipes while another group would wash the ceiling. Another group would then calcimine and trim the room in a bright color. Other squads could polish the railing of the staircases, wash and paint chairs, and clean the equipment in display cases. A plan of this nature, if adopted, would require a well-planned schedule so that each student would know exactly what work he was expected to complete during the day. This system would foster a better school spirit and at the same time allow the students to show their technical abilities applied to a worthwhile purpose.

Students would have no cause for complaint as one day out of each year would be a short time to devote to improving the appearance of the school for the next day. Let's get our shoulders to the wheel and rake one step further to improve our school and have the best "Open House" display ever given at Armour.

### CO-OP NEWS

E. P. Hanuska

This issue of the paper will find the "B" group back at work again and the "A" group in school. We enjoy the change, especially the accompanying dance which climaxes our activities here in school and signals the beginning of a new term for the "A" group. The dance, Friday night, will long remain a pleasant memory. It was more of a success than we had even anticipated, and undoubtedly was by far the best Co-op function ever to be held.

Observed: Jordan, with his hair combed, having a good time... Bert Milleville distributing confetti and streamers... The whole crowd doing the Lambeth Walk in real style... Bill Bobco scaring everyone with the photoflash on his camera... Prof. Winston kicking it up like a genuine jitterbug... E. P. Hanuska dancing with Mrs. Sprague... The three "Hills" finally got together, Charlie, John and Ruth... Hawkins goin' to town on the Dipsy Doodle... Mr. Lease smiling all evening...

Orchids to Hawkins, Krahulec, Milleville, Anthony and all the fellows who really worked to make the dance so successful.

Don't forget, the trips arranged by Fred Krahulec are starting this Friday. We'd like to see you all there, and for your benefit here is our schedule:

Trip 1—Chicago Tribune Plant tour, 435 N. Michigan, meet at 8 p.m. in Tribune lobby on Friday, February 10. Entry on ticket only.

Trip 2—Bell Telephone Company, 311 W. Washington, meet on 18th floor, at 7:50 p.m. Friday, February 17. No ticket necessary. Come!

Trip 3—Chicago Lighting Institute, 20 N. Wacker Drive, meet on 36th floor at 7:50 Friday, February 24. Tickets necessary.

Information on later trips will be mailed to those interested.

We'll be back again with you in two months, so until then, take over "A" group!

### The Slipstick

Cleave to the slipstick; let the slapstick fly where it may.

We welcome all our new readers and all our old reader (Hi Ya Maw) to the Slipstick. For the edification of those who are not in the know, may we tell you that this is a Humor column. Surprised? So are we. Remember the rules. There must be loud and spontaneous "lawfter" after each joke.

His life blood trickled o'er my hand, I tried in vain to stop its flow. But as I stanchued the wound, I knew

He could not rally from the blow. I held him close in anguish great As though to call him back again. Alas! He could not stay with me— My dear old trusty fountain pen.

Prof.: Pick up those two bits on the floor. We all leaned forward and disgustedly observed two matches on the floor.

Doc: Well, Sher, what seems to be the trouble with you?

Sher: I don't know, doctor. One minute I'm cold and then I'm wringing wet.

Doc: Well, those are alarming symptoms. When did you first notice them?

Sher: This morning when I took a shower.

### ADD DEFINITIONS

An optimist is a guy who thinks his wife has quit cigarettes when he finds cigar butts around the house.

"You should meet my husband. He makes a living with his pen."

"Oh, so he's a writer, too?"

"No, he just raises pigs."

The seven ages of a woman—the infant, the little girl, the miss, the young woman, the young woman, the young woman, the young woman.

Each year we try to help all incoming freshmen and guide them in the selection of courses, so we submit the following list:

- Mech Eng.
  - 50%—Handbook
  - 25%—Slide rule
  - 25%—Breeze
- 100% Arch.
  - 5%—Coeds and girls
  - 30%—Smock
  - 25%—Hair
  - 30%—Life class
  - 10%—Paint
- 100% Civil
  - 35%—Transit
  - 25%—Summer camp
  - 40%—Student Union
- 100% F. P. E.
  - 50%—Playing with fire
  - 40%—Underwriters
  - 10%—Listening to Finnegan

- 100% Chems
  - 55.4%—Odor
  - 21.42%—Rubber aprons
  - 10.00%—Poker
  - 13.18%—Riding the elevator
- 100% Electricals
  - 45%—Shock
  - 25%—Connecting wires
  - 30%—Alternating current

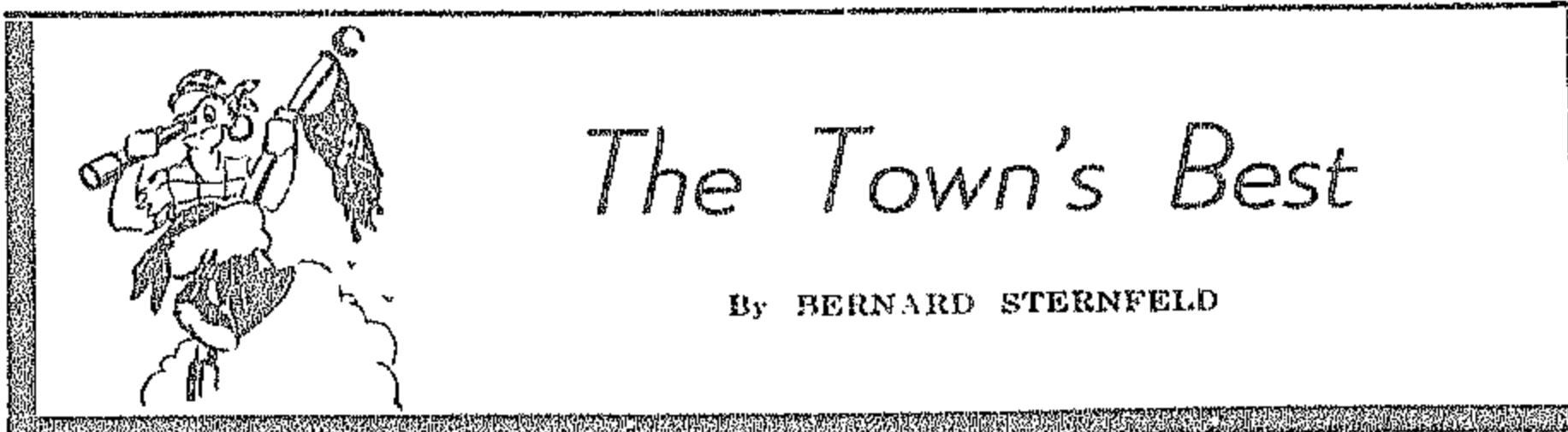
Hi: They say you can tell a girl's character by her clothes. Yo: Bunk! Girls must have more character than that.

Our professors here make awful jokers, But we all laugh with glee. We've found from long experience It helps our marks, you see.

Juice Instructor: Never touch any live wires with your hands. Frosch: Oh, everything sanitary.

You can call a girl a vision. BUT be careful when you refer to her as a sight.

I'll be with you again next week. So... HI-YO SILVER.



## The Town's Best

By BERNARD STERNFELD

By Bernard Sternfeld

IN THE PICTURE DEPT.: That very interesting and widely traveled Judge Hardy clan is back in town again, this time with 90 minutes of "Out West With the Hardys," if you've sat in on any one of Hardy adventure episodes, you know what to expect in the way of plot. Picture opens with old Judge Hardy dishing out old fashioned justice in his court, a letter asking for aid comes from friends in the West, a quick shot of Andy tiffing with Polly, the Hardy's leave en masse to the rescue of said friends, Marion falls in and out of love with a handsome cow nurse, Andy is shown up by a little girl, the friend's problem is solved, and the Andy-Polly quarrel is dissolved in a vigorous final clinch. But no matter how many times the Hardys go through their routine, they're still tops as purveyors of good solid entertainment. See this, it's a must.

AMUSEMENT ODDS AND ENDS: Grape Nuts is putting in a serious bid for radio's number one spot in the variety show field. Their super colossal 60 minutes on Sunday evenings (9:00-10:00, WMAQ), is going to make the Kraft Music Hall, Town Hall, the Rudy Vallee Hour, Maxwell House, and even the Chase-Sanborn show look toward their laurels and Crosley popularity reports. With a line-up top heavy with names like Carole Lombard, Cary Grant, Ronald Coleman, Groucho Marx and his brother Chico, and guest stars of the Lawrence Tibbett, Jose Iturbi, and Noel Coward caliber, it would be hard for THE CIRCLE to miss fire. The whole program is a nicely timed parade of music, some great comedy, and a dash of drama. Try lending an ear next Sunday eve.

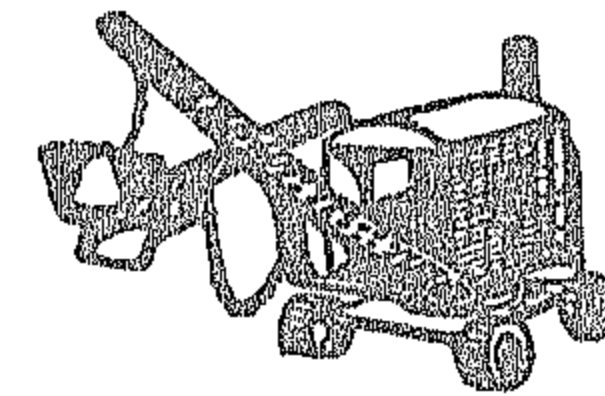
Had occasion last week to take in a matinee of the '38 Pulitzer Prize winner, "Our Town." Came away with the conviction that the acting of today with its underplaying beats the blood and thunder variety everytime. No scenery, no props excepting a couple of step ladders and some tablets and chairs, just a big barren stage criss-crossed by chalk lines. Still, scenery and props are unnecessary when a play has Frank and John Craven, Dorothy McGuire, and others of the same ilk to put over lines. "Our Town" may not be a truly great play, but it certainly deserves your attention. It leaves the Selwyn around the 19th to make way for "Bachelor Born." Try and make it...

New and very good: Richard Hyden, the British comic, doing his monologue act on Rudy Vallee's air show. That tune, "Deep Purple" as rendered by any name band. See if it doesn't take over the No. 1 spot on the Hit Parade within a fortnight.

IN THE SPORTS WORLD: There just ain't this week. The Hawks won't be back in town 'til the 16th. What with the brand of hockey they've been purveying the last few weeks, it's just as well. Our own cagers don't play at home until the 17th, when they tackle Detroit Tech.

But there is ONE good match scheduled for this week. It will be De Paul and Loyola tomorrow night at the Stadium.

## Steam Shovel



Not wishing to be a pessimist, but some of the boys didn't feel like cheering the following week when they received their grades. Well, we're glad most of the fellows had better luck than these unfortunates. Several seniors (mechs and schmiers) breathed a sigh of relief when they received passing marks in juice.

Candidate for the absent minded professor memorial cup? DUTTON forgot to come to "Time and Motion Study" exams and sent a final by mail to all students in the class. (Uncle Sam's government men come through again!)

The men in white with stretchers were kept busy exam week carrying out prostrated students from the gym, scene of most of the "horror quizzes." They were whistling "Deep in a Dream."

Can't something be done with that love sick swain called Yeakle. His latest "dream-girl" is a coed from the City College of New York, he having clipped her picture out of the roto section of a newspaper. The only catch is that the C. C. of N. Y. is a boys' school.

Poor boy. How he must suffer. In his thumb really injured or does CHARLIE EULO have it bandaged so as to gain sympathy from his girl friend BONNIE. He's pretty mean, leaving VIRGINIA at home to pine away.

HUNTER and his SALLY building a six foot snow man in front of Senn high school last week. She is no relation to STOOPBRAIN BLISS' Sally.

Armour Tech News flash: Strocchia, Frost, and Chevalley are reported to have gone up to Evanston to ice skate. However, the National College of Education coeds state that (Continued on page four)

**NOT ONE IN A MILLION!**  
R.F. WILLIAMS, KENT STATE U. BUS DRIVER, HAS DRIVEN A MILLION MILES WITHOUT AN ACCIDENT!

**NORMAN CANRIGHT**  
IS EDITOR OF THE DAILY CALIF-ORNIAN!

**LLOYD SPARKMAN,**  
BLIND LAW STUDENT AT THE UNIV. OF TEXAS, CAN PILOT AN AIRPLANE!

**ODD NAME DEPT.**

**HI-YO SILVER.**

# Quintet Drops Two on Trip; Track Team Beaten

## Detroit, De Sales Whip Cagers; North Central Next Armour Foe

### Swanson and Sliwa Lead Scorers on Trip

By HOWARD COYLE  
Had Tech been looking for easy victories on its eastern trip, it wouldn't have picked for its opposition the winning teams of the University of Detroit or DeSales College, both of whom defeated Armour by substantial margins last week. Armour Tech played games of a good ball club, but couldn't twist up the defense of the Titans, or stop the fast break of the Sailors of Toledo.

For its second defeat of the trip, Armour dropped to Detroit Saturday night 60-35, in the Naval Armory. Switching from man to man defense to zone early in the game, Tech forced most of the Titan scoring back to the guards, two of whom tied for high point honors with 11 points apiece. Accurate loop shots edged the Detroiters ahead as the tight Titan defense held Armour to three field goals in the first half. The halftime score was 28-14.

### Detroit Unbeaten at Home

When Detroit had built up even a larger lead, the Techawks loosened up and scored field goals—two set-ups and a long by Herb Sher, and two short shots by Captain Swanson. Altogether Tech converted 15 out of its 19 free tosses. It was the 8th victory in 11 starts and the 7th on the home floor for the Titans.

Succumbing to a fast break offense in a second half rally, the Techawks lost to DeSales College 51-35 last Thursday night in Toledo, Ohio. The Sailors had a stormy time of it during the first half, but managed to win out for their 11th victory in 14 starts.

### Fast Break Wearies Techawks

Armour Tech's scoring was paced by Captain "Big Stoop" Swanson and Hank Sliwa, both of them copping scoring honors of the game with 13 points apiece. Meanwhile the Sailors barged holes in Tech's tired second half defense by employing all of its 15 man squad, 11 of them participating in the scoring.

For the most part of the inaugural stanza, Coach Stenger's crew was leading DeSales from one to four points. Just before the gun, however, O'Connell and Mosser looped field goals from far out to give DeSales a halftime lead, 21-20.

DeSales had rallied for 18 points in the second half attack while Tech took three free tosses, before Ed O'Connor looped in Armour's first fielder. Barret-Smith accounted for two fielders before the close of the game to bring Tech up 51-35.

| Detroit (60) |    |   |    |              | Armour (35) |    |    |   |  |
|--------------|----|---|----|--------------|-------------|----|----|---|--|
| B            | F  | P | P  |              | B           | F  | P  | P |  |
| Piana, f     | 3  | 1 | 1  | O'Connor, f  | 1           | 1  | 0  | 0 |  |
| Pagan, f     | 1  | 0 | 0  | Sliwa, f     | 1           | 2  | 0  | 0 |  |
| Lundgren, c  | 2  | 0 | 0  | Swanson, c   | 3           | 2  | 3  | 0 |  |
| Buchholz, g  | 4  | 3 | 0  | Scherer, g   | 1           | 3  | 0  | 0 |  |
| O'Donnell, g | 2  | 0 | 0  | Kubička, g   | 1           | 0  | 0  | 0 |  |
| Alex, f      | 0  | 0 | 0  | Lurz, f      | 0           | 0  | 0  | 0 |  |
| McDermott, c | 2  | 0 | 0  | Rudakus, c   | 0           | 0  | 0  | 0 |  |
| Geddis, g    | 1  | 0 | 0  | Janick, g    | 0           | 0  | 0  | 0 |  |
| Dulapa, g    | 5  | 1 | 3  | Sher, g      | 3           | 2  | 0  | 0 |  |
| Talbot, g    | 3  | 0 | 0  | Barret-Smith | 0           | 0  | 0  | 0 |  |
| Palencsar, f | 2  | 0 | 0  |              |             |    |    |   |  |
|              | 26 | 8 | 18 |              | 10          | 15 | 10 |   |  |

| DeSales (51)   |    |   |   |              | Armour (35) |   |   |   |  |
|----------------|----|---|---|--------------|-------------|---|---|---|--|
| B              | F  | P | P |              | B           | F | P | P |  |
| Thompson, f    | 3  | 3 | 0 | O'Connor, f  | 1           | 1 | 0 | 0 |  |
| Smith, f       | 5  | 1 | 1 | Sliwa, f     | 6           | 1 | 1 | 0 |  |
| Holterrieve, c | 2  | 2 | 1 | Swanson, c   | 5           | 3 | 3 | 0 |  |
| Durst, c       | 2  | 0 | 0 | Scherer, g   | 0           | 0 | 0 | 0 |  |
| Herman, g      | 0  | 0 | 0 | Kubička, g   | 0           | 0 | 0 | 0 |  |
| Blackburn, c   | 3  | 0 | 2 | Lurz, f      | 1           | 0 | 0 | 0 |  |
| Mosser, g      | 1  | 0 | 1 | Barret-Smith | 2           | 0 | 0 | 0 |  |
| O'Connell, g   | 1  | 0 | 1 | Sher, g      | 0           | 0 | 0 | 0 |  |
| Reinisch, g    | 1  | 0 | 0 | Janick, g    | 0           | 0 | 0 | 0 |  |
| Sullivan, g    | 1  | 0 | 0 | Rudakus, c   | 0           | 0 | 0 | 0 |  |
| Miesle, f      | 1  | 0 | 0 |              |             |   |   |   |  |
| Fisher, g      | 3  | 0 | 0 |              |             |   |   |   |  |
|                | 23 | 5 | 9 |              | 15          | 5 | 9 |   |  |

### Intramural Sports Again Rule Campus After Exam Rest

With the opening of the second semester comes the announcement by Tom Clark, intramural manager, that one more intramural sports will fill the headlines. Swimming, track, and bowling are the activities scheduled for the ensuing weeks with softball an event of the distant future.

Bowling will start next week according to Clark and will be played under the same conditions as existed last year. Players will shoulder their own expenses such as carfare, alley fees, etc.

Identical rules will cover this tournament as did last year. Each department will be allowed to enter one team which will be composed of five men and one alternate. The two highest totals for the tournament will meet in the finals in a match in which the highest of the two wins the championship. The number of opportunities each team will be allowed to make a

### "Stop Leisure" Is Theme As Team Practices

Having completed a rather disappointing road trip, the Armour Techawks returned today to their own court to prepare for the approaching game with their arch rival, North Central. The battle scheduled for next Tuesday at Naperville will be the sole encounter between the two teams and promises to be a "hum-dinger."

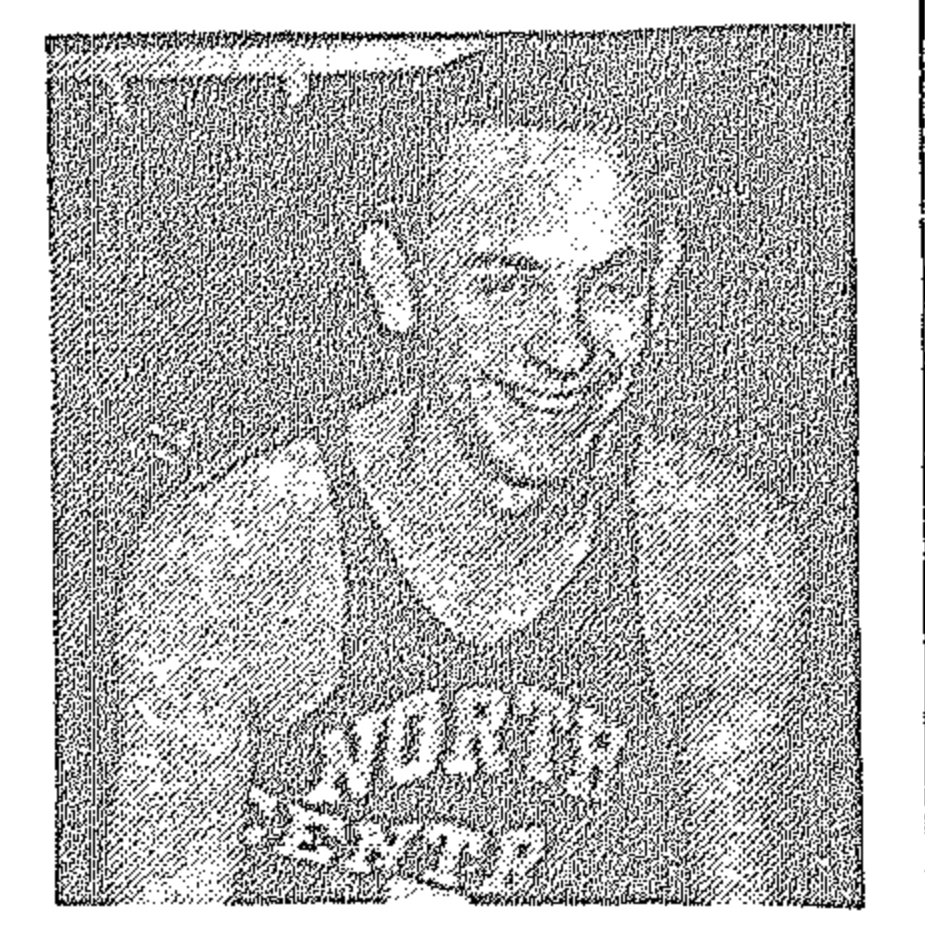
The Armour boys will be fortified for the game by the return of Norkus and Hoffman and although neither will likely start, both will see plenty of action before the game ends. O'Connor who has been handicapped by a bum hand and a severe cold is expected back in shape, and this with the prior addition will again put the Institute at full strength.

### Leisure, No. Central Star

Practice, this week, will consist mostly of an attempt to devise a scheme by which "Slick" Leisure, North Central's high scoring forward, might be stopped. The necessity of halting the Cardinal flash can be seen from a study of his record.

So far this year, this 190 pound junior has totaled 79 points in 6 games. This record looked better before the Carroll games since his three shots only grossed two baskets against the Wisconsinites. Last year he ran up 215 points in 14 games for a new Cardinal record.

Another feature about this Naperville star is his ability to play the full route without slowing up. Although he never played a minute in high school, his time of participation last year was 544 minutes out of a possible 560. Len Bieber considers "Slick" his best product as well as the finest player ever to come out of North Central.



"Slick" Leisure

The problem of who is to guard Leisure will be settled this week after the practice sessions have been concluded although Bill Scherer seems in line for the job. Bill, a resident of Naperville, has scouted Leisure and has hopes of bottling him.

### Whip Arkansas State

To the present time, the Cardinals have won three and dropped a like number. Their outstanding victories were over Arkansas State whom they downed 60 to 26, and Wheaton who fell 51 to 32. In this latter game, Leisure tallied 25 points with ten baskets and five free throws.

Comparative scores against Arkansas State and Elmhurst give North Central a large edge but such comparison was shown the door long ago and it is only the actual game that counts. Naperville whipped Elmhurst 39-29 while Armour lost to the same outfit 37-31.

### total will depend on the number of entrants.

Last year, the present Junior Chemicals were victorious mainly thru the efforts of "Cinderella" Johnny Cultra who bowled the highest line of the tournament when he ran up 266 in the finals.

This year the chews will again have Johnny along with Natinchek and Grigas. The loss of Carpenter and Pincus was a severe blow since Carp's consistent 180 was the main factor in the scoring of the champs, and Pincus could rise to the heights occasionally.

Both swimming and track will be held at the U. of C. and since the final details haven't been worked out, announcement of the present arrangements is being withheld.

### DePauw Tankers Too Strong for Techawks

Before the fatal exam week struck the Armour campus, a group of courageous Techawks braved the ferocious tricks of winter to swim against De Pauw at Greencastle, Ind. The meet was swum on Saturday, Jan. 21. Although the Armour mermen put up a strong battle, the De Pauw squad, a more experienced team, managed to win, 49-35.

By piling up 35 points, this year's wearers of the red, yellow, and black have accomplished something which last year's team did not. Even though the distances were longer than the local lads were used to swimming, no engineer made a bad showing. With but one or two exceptions, the events were very hotly contested.

### Medley Team Wins

Armour's surprise medley team, consisting of Blume, Stowell, and Capt. Winblad, let the cat out of the bag by beating the host's team which had previously whipped Indiana U's team. Blume put the medley team into a half length lead by his backstroking efforts. Stowell held the lead, and Winblad, suffering from a cold, still managed to finish five feet ahead of the De Pauw anchor man.

Perhaps the greatest thrill of the meet, one which had the jammed gallery screaming with excitement, was the 200 yard breast stroke. Bell pulled himself into an early lead of a few feet. Hutchings, Armour's second entry, held on to a slight third place. For the first 150 yards the four swimmers were almost stroke and stroke. In the last fifty yards, however, Bell lost about half his lead, and Hutchings dropped to fourth. The last length was the thriller. Bell, pulling harder than ever, barely managed to touch out his opponent, and all four of the swimmers came in as fast as one can say one, two, three.

### Dodge Takes Three Seconds

Again, as last year, the Lou Gehrig of the water proved to be Ray Dodge. By taking three seconds, he also was Armour's top point man. Ray achieved second places in the 220 yard free style, 100 yard free style, and 440 yard free style events. To swim all of these and make a good showing in one afternoon certainly is test of a swimmer's ability.

All of Armour's swimmers made an excellent showing. Perhaps when DePauw meets Armour at Bartlett Pool in early March, the tables will be turned and the Techawks will be the victors.

### Summaries:

- 300 YARD MEDLEY RELAY—Won by Armour (Blume, Stowell, Winblad). DePauw, second. Time—3:40.7.
- 220 YARD FREE STYLE—Won by Erdman (DeP.); Dodge (A.) second; Stullken (DeP.) third. Time—2:37.2.
- 60 YARD FREE STYLE—Won by Salisbury (DeP.); Olsen (DeP.) second; Blume (A.) third. Time—:32.4.
- DIVING—Won by Sellers (DeP.); Blumberg (A.) second; Stullken (DeP.) third. Time—1:29.8.
- 100 YARD FREE STYLE—Won by Salisbury (DeP.); Dodge (A.) second; Olsen (DeP.) third. Time—:58.6.
- 150 YARD BACK STROKE—Won by Blume (A.); Rosencranz (DeP.) second; Demony (A.) third. Time—2:04.9.
- 200 YARD BREAST STROKE—Won by Bell (A.); Ketcham (De.) second; Ohmans (DeP.) third. Time—2:55.6.
- 440 YARD FREE STYLE—Won by Hartsock (DeP.); Dodge (A.) second; Blumberg (A.) third. Time—4:29.8.
- 400 YARD FREE STYLE RELAY—Won by DePauw (Leslie, Olsen, Erdman, Salisbury). Armour second. Time—4:06.4.

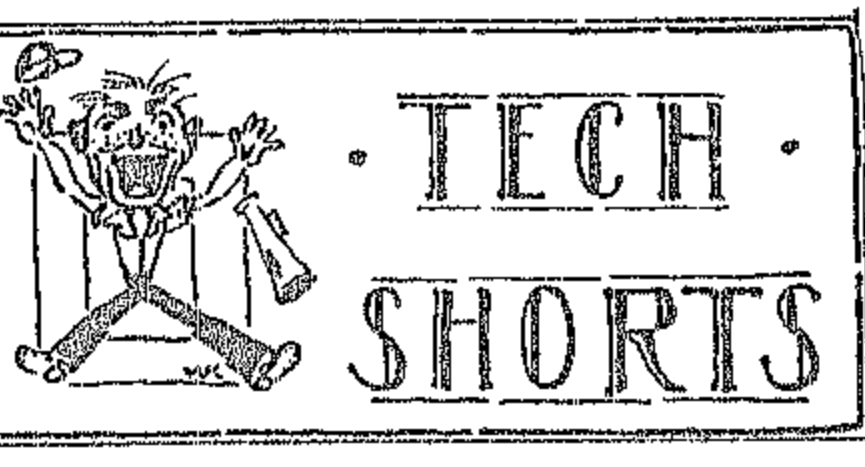
### Kruse Reveals Plans Of Honor A for Year

After resting in peace for a semester, Honor A has aroused and started action conotative of the organization. Announcements made by President Kruse indicate that Honor A will again assume its position as an important student group.

The first item of import stated by Kruse was the presenting of an award to the freshman who is deemed as the outstanding member of his class. The basis for this award will be the value of the man to his team, his ability, and his versatility in his undertakings.

Plans for an alumni reunion and banquet were discussed and formulated. This idea for a get-together of the past and present athletes is to be further expanded by sending out questionnaires to determine the alumni reaction to such an event.

Plans were also made to have a social gathering either in the form of a sleigh ride or hay ride social. A committee headed by Ralph Tull-



By Jim Fahey

See where two of Armour's "A" men have returned to the fold, meaning Irv Seidenberg and Joe Pacocha. In case you have forgotten (we don't know how you could) Irv was co-captain, catcher, leading hitter, the spirit, and the brains of last year's baseball team while Joe was one half of the pitching staff.

\* \* \*

Remember the game at Lake Forest when Kruse pitched his heart out in that 14 inning, 7 to 6 defeat that cracked Armour's 14 game winning streak, Seidenberg's knee, and the team. In that game Irv got six for seven and yet didn't score a run and Joe made a spectacular, game saving, catch in deep right center in addition to hitting a home run through left.

\* \* \*

Wonder if Joe will play this year. At present he says no but let's wait until he hears the crack of the bat against ball and the glory and thrill of feeling the spikes digging into the turf, the flash of cleats, and the impact of leg against bag. Then we'll ask him.

\* \* \*

But baseball belongs to the spring and winter is still with us and basketball is the sport of the hour. The Techawks returned from a disastrous road trip Sunday, dropping both games and leaving their record at 5 wins and 6 losses.

\* \* \*

This record doesn't speak well for the team when one considers who they beat. In Chicago Teachers, they faced a small inferior team that shouldn't have come close, yet both games were tight. Arkansas State was a gift, George Williams a set-up, and DeKalb, a bunch of sophomores still learning the game. Wonder if the team wouldn't do better if they'd all follow Eddie O'Connor's forte and try all the time and also remember it takes five men, playing together, to make a good team.

\* \* \*

North Central is the Techawk's next foe and the boys have to figure a way to stop a fellow named Leisure whose been doing a mighty mess of scoring this year. Detroit Tech and DeSales will bring the schedule to a close.

\* \* \*

Hats off to Paul Henriksen who passed up the Detroit trip so that some one else could make the trip. It was a typical Henriksen gesture and shows that Paul, despite his inability to play, still looks for the welfare of the team.

\* \* \*

Coach Bibb of the golf team comes out with the notice that the faculty has organized a golf team and is patiently waiting for a match with the four high (and we do mean high) scorers on the golf squad. Aherne, Harris, Miller, and Bibb will represent the professors.

\* \* \*

Incidentally the golf net has been rearranged in the gym and anyone wishing to better his form, driving, etc., is invited to make use of the facilities. Coach Bibb promises to drop around occasionally and lend a helping hand to anyone desiring instructions.

\* \* \*

gren was appointed to construct the further details.

The 1938 pledges of the Honor A will be informally initiated at a stag smoker. The pledges are to be selected early in March. Formal initiation will take place during the proposed reunion banquet. In the event that the banquet is not held, the formal initiation will be held at an event which will be announced later.

Standardization of the award sweaters is being striven for by the Honor A this year. The Honor A will also work for the giving of awards to the athletic teams at the end of their season instead of waiting until the end of the year.

## North Central Monopolizes Two Events To Halt Techawk Squad

### Morton Wrestlers Easy for Institute

Displaying a new strength now that the finals are over, the Tech mat artists showed the Morton grapplers that Armour's men become stronger as the season progresses by downing the Junior College boys last Friday night at Morton 34½ to 1½. This victory, the engineers' second of the year over Morton, was achieved by six falls, one decision and a time advantage.

Till kept in his winning ways by gaining a decision in his 9 minute bout with Mona at 121 lbs. Wagner, a newcomer to Armour's squad, wrestled well to out-manuever his opponent Cadieux at 128 and pin him in 4:15. In the 135 lb. Class Ropek made short work of Kibby to gain another five points for Armour by pinning his man in 1:35. Harrison wrestling his first bout under Armour's colors fell-off Hall at 145 lbs. in minutes.

Hanna, wrestling in the 155 lb. class, easily pinned his opponent Sukoma in the good time of 1:55. Nigrelli and Dvorek, 165 lbs. put on a good battle and were awarded 1½ points each by the judge.

Kazmierowicz put his opponent down in the best time of the meet by stretching Hoffman at 175 in 1:15. Tullgren rounded out a very successful evening by overcoming Uhen in the heavyweight class in the fast time of 1:28.

### Cagers, Beaten by Elmhurst, Victors In Coliseum Battle

Coupling good rebound work with a flock of free throws, Armour's cagers once more gave Chicago Teachers College the short end of the score when they took the Normalites 34 to 29 at the Coliseum. The game was played before an audience of 2,000 spectators January 21 as the curtain raiser of a twin bill offered by the Coliseum.

Led by Eddie O'Connor, the Techawks held a 17 to 8 lead at half time and, although the Teachers came tremendously close, retained the lead for the remainder of the game. O'Connor scored nine points before being ejected on fouls in the first two minutes of the second half, but Sliwa took up where Eddie left off and tallied nine points. High point man for Armour was Swanson with ten points. These enabled Ed to finish second to King of Normal, who sank seven baskets and a free throw.

### Wild Passes Spoil Chances

Ragged passing after O'Connor's departure prevented the Institute from running up a larger score. A continual fast break was useless due to the inability of the passers to find the receivers.

The Normalites were handicapped by the loss of three players through fouls and this slowed up both their offensive and defensive play. Despite this, the Teachers came within one point of tying the score in the last few minutes before successive baskets by Scherer, Sliwa and Swanson put the game on ice.

### Elmhurst Wins 37-31

Unsuccessful at freezing the ball in the last minute of play, the Techawks were forced to award an overtime period to an inspired Elmhurst five, the latter going on to triumph 37-31. The game was played at Elmhurst three weeks ago tonight.

Although the engineers rallied from a 12-17 halftime setback against heavy odds, a three point lead melted away twice in the last minute and personal fouls called on Tech took out Captain Ed Swanson, Hank Sliwa, and Ed O'Connor. As a result, the Techawks were held scoreless during the overtime period. Bill Scherer played throughout the 45 minutes and gathered high points for Tech with 2 field goals and 6 free-tosses.

### Team Loses First Meet By 64-31 Score

The Redbirds of North Central scored a victory over the Techawk trackmen last Saturday morning to the tune of 64-31. It was the first meet of the season for the Techawks and the absence of some men and lack of conditioning on the part of others contributed largely to North Central's superiority.

The meet was fairly even until North Central scored clean sweeps in the quarter mile and half mile to take a commanding lead. In the first event, the 60-yard dash, Rikli of North Central took an easy first to give the Redbirds a 5-4 lead. The mile run followed, and it was here that Armour's new miler, Fisher, came through with a well run race to take first place and even the score at nine all.

### Harv Drops Close Ones

The running of the high hurdles event brought forth one of the closest finishes of the day. Rothenberg, of Armour, lost the decision to a Redbird for first, and Barry of Armour, lost a very close decision for third. The finish of the low hurdles event was almost exactly the same as the highs. In the two mile run Finnegan was forced to drop out when his side troubled him. That is the same thing which hindered him last season.

The results of the shot put gave Armour a first and second as Vandekieft and Burman came through in that order. Vandekieft scored another first in the high jump when White and Enz of North Central were unable to clear 5 feet 6 inches. The pole vault was the scene of another Redbird victory, as White cleared 12 feet 6 inches. In the last event, the relay, the Redbirds showed what their excellent mile relay team could do as they paced the distance in 3:32.5.

Elwood, of the Techawks, was very fortunate in escaping injury in the pole vault. With the bar set at 12 feet, he came running down the runway, and set his pole in the slot. Just as he reached the top of his jump, the pole broke. Managing to twist away, Elwood landed in the pit with only a cut lip as the result of his experience.

| Elmhurst (37) |    |    |    |             | Armour Tech (31) |   |    |   |  |
|---------------|----|----|----|-------------|------------------|---|----|---|--|
| B             | F  | P  | P  |             | B                | F | P  | P |  |
| Dalhous, f    | 0  | 0  | 0  | O'Connor, f | 3                | 1 | 4  |   |  |
| Schoettle, f  | 4  | 3  | 4  | Sliwa, f    | 1                | 0 | 4  |   |  |
| Hakewill, c   | 4  | 3  | 2  | Swanson, c  | 3                | 1 | 4  |   |  |
| Eisner, g     | 2  | 5  | 3  | Scherer, g  | 2                | 6 | 2  |   |  |
| Buchholz, g   | 1  | 2  | 0  | Kubička, g  | 1                | 1 | 3  |   |  |
| Bierman, f    | 0  | 0  | 0  | Lurz, f     | 1                | 0 | 3  |   |  |
| McGowney, f   | 1  | 0  | 0  | Janick, f   | 0                | 0 | 1  |   |  |
| Gruenwald, g  | 0  | 0  | 1  | Sher, g     | 0                | 0 | 0  |   |  |
|               | 12 | 13 | 16 |             | 11               | 9 | 21 |   |  |

| Armour (34) |    |    |    |              | Chicago Teachers (29) |   |    |   |  |
|-------------|----|----|----|--------------|-----------------------|---|----|---|--|
| B           | F  | P  | P  |              | B                     | F | P  | P |  |
| O'Connor, f | 3  | 3  | 4  | Novak, f     | 1                     | 2 | 1  |   |  |
| Sliwa, f    | 4  | 1  | 3  | John, f      | 0                     | 0 | 4  |   |  |
| Swanson, c  | 2  | 6  | 1  | Gottfried, c | 0                     | 0 | 4  |   |  |
| Scherer, g  | 2  | 1  | 2  | King, g      | 7                     | 1 | 2  |   |  |
| Kubička, g  | 0  | 0  | 4  | Mulenyh, g   | 0                     | 2 | 4  |   |  |
| Lurz, f     | 0  | 1  | 1  | Henly, c     | 0                     | 1 | 2  |   |  |
| Janick, g   | 0  | 0  | 0  | Bensh, f     | 2                     | 3 | 1  |   |  |
|             |    |    |    | Kiley, g     | 0                     | 0 | 2  |   |  |
|             |    |    |    | Riggin, g    | 0                     | 0 | 0  |   |  |
| Totals      | 11 | 12 | 15 |              | 10                    | 9 | 20 |   |  |

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Associated Collegiate Press

TO ADULT platform-speakers, social workers and editorial writers in all sections of the U. S., today's youth is the major problem for all thinking Americans. Countless are the solutions of this problem offered up in the public press and from the public platform, with not one of them seeming to "ring the bell" to end the fight for the welfare of youth and the ruling generations of the future.

But, says the University of California Daily Trojan, these adults are so concerned with the conception of youth as a problem that they fail "to realize thoroughly that they constitute just as much of a problem to youth as youth constitutes for them, or more. For instance, most of the students at the university expect to be trying soon to find employment of some sort, to be voting in elections, and to be assuming positions of importance in their communities.

STEPPING OUT of the university to function as an active element of society, they face the prospects of a strife-torn world that is in the grip of economic depression, that cannot choose between the capitalistic and communistic economic systems, that does not know whether dictatorship or democracy is the better type of government. They face a world controlled by persons who, themselves, cannot think analytically, cannot distinguish between propaganda and fact, cannot get along with each other, are not tolerant, have no particular sense of integrity.

"There is need for a realization among those who run the world, that although youth may be truly a problem, there is a better way to solve that problem than by working on youth directly. That way is to work on the economic, political and social system into which youth steps as it reaches adulthood, and remove some of the causes of the problem. Until such time as that is done, there will be a constant recurrence of the 'problem of youth' with each new succeeding generation."

COLLEGE NEWSPAPERS and student organizations have been bombarded during the last month with letters from "a Chinese student" asking for support of the Chinese cause in the current "incident" with Japan. These letters ask that U. S. students "send letters to men in key government positions urging them to make unlawful the sale or shipment of arms or munitions, and other war materials to aggressor nations." Surveys of collegiate opinion on the Sino-Japanese war indicate that collegians believe Japan to be the aggressor, that the U. S. should take the side of warring China.

BUT MOST collegians believe today that the U. S. should not go beyond its borders to fight another nation's battles. Not so word-strong are most editorials on the subject as the one in the University of Mississippi Mississippian, but most seem to be in accord with its sentiments:

"No one questions the fact that aggression and brutality are abhorrent to a civilized people such as we Americans pride ourselves on being. But for such a nation to be pinched by the nose and carried into a propagandistic woodshed to have its mind whipped into shape is equally abhorrent. It's about time the U. S. began to be a little more selfish in its convictions. If necessary, we can 'live alone and like it.' The only thanks we've ever had for sticking our noses into the affairs of other nations is a bunch of repudiated debts and an invitation to play the sucker again."

BUT ON the foreign situation in general, college and university undergraduates seem to be in as much of a quandary as most U. S. citizens. The following seems to be the general trend on the campuses today:

Opinion is divided on the Spanish question. Many believe the embargo should be lifted. As many shout that it should be maintained.

All believe that aid should be given refugees, and many student groups are raising funds to financially prove their sympathy with the downtrodden of all nations.

Few support the persecution of minorities, and most all heap coals

**POULTER'S TALK AT TECH NEWS BANQUET**

(Continued from page one)

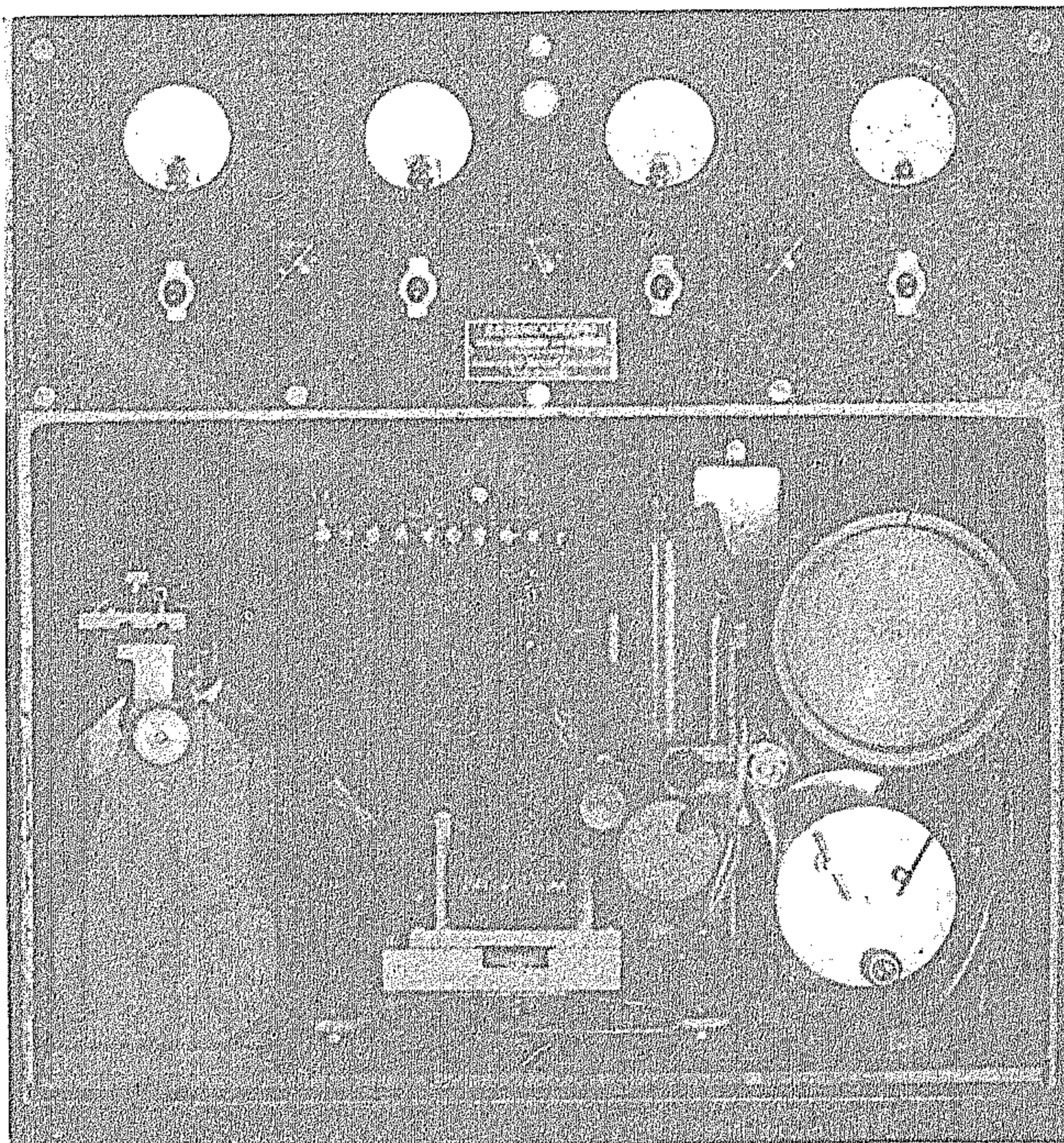
surface, the distance that was traversed can easily be found. In this way the depth of certain geologic layers can be found from the surface of the earth, without taking samples or doing any drilling.

In the work that Dr. Poulter did at the south pole the problem was to find out what the actual shore-line of the Antarctic continent was, and to check on some of the land that had been reported by previous expeditions. Since they had no knowledge of the velocities of sound in the types of geologic strata in which they were going to work, it was necessary to establish a datum level and then extrapolate the data into the new regions that were covered. The datum was

firing of the charges. By making use of an automatic recording seismograph the times required for the wave to travel its path were accurately measured.

By making use of the laws of reflection and a bit of trigonometry it is possible to tell how far down in the earth the reflection occurred. In this way the outlines of an island, here-to-fore unknown, were plotted. Another island, supposed to exist by virtue of previous exploration, was found to be non-existent. In addition to this the thickness of the ice at several locations was also determined, establishing to some degree, the shore-line of the continent.

The theory of these underground



Photograph of the \$10,000 seismograph used on the Antarctic trip of the Byrd Expedition. A duplicate instrument will be on display at the banquet Thursday evening.

fixed by taking soundings off of the face of the barrier ice. The velocity of sound in the sea water at that particular place and the structure of the ice were determined. The depth of the ocean at the edge of the ice was also found.

After the preliminary work had been taken care of, the work on the interior of the land was started. In order to get the greatest possible amount of data in an accurate fashion it was necessary to devise a neat system for operating the seismic equipment. This was done in the following manner. The sleds, upon which the equipment was carried, were linked together by a long cable. The length of the cable between each of the three sleds was carefully measured at frequent intervals, in order to keep it constant. By this means the spacing of the sleds was known, without doing much measuring, at each stop of the party. All that remained to be done was the digging of the pits for the placing of the explosive charges, the rigging of the earphones, and the

explorations is the same as that involved in the location of oil fields in the south-western part of the United States. The main difference in the equipment used is in the weight involved and in the physical size. In the case of the oil exploration the weight of the recording equipment runs in the neighborhood of five or six thousand pounds. Because of the limitations imposed by the use of sleds and purely man power, the weight of the equipment on the Byrd expedition had to be on the order of five hundred or so pounds. This included the weight of the explosives that were to be used.

Seismic vibrations can be used in many other ways than in underground exploration. By passing the waves through structural members of airplanes, boats, or buildings certain characteristics of the structure can be determined, which could not be found readily by any other method. Considerable work has been done in this field, so that now the methods have been rather well worked out.

**Honor Christie of Hopkins University Before A.S.M.E.**

On January 27, over 200 engineers attended the annual President's Night of the Chicago section of the American Society of Mechanical Engineers which met in the Imperial room of the Medinah Club. The purpose of the meeting was to honor Professor A. G. Christie, a professor of mechanical engineering at the John Hopkins University.

Professor Christie, besides being national president of the society, is a world authority on power plant practice. As featured speaker of the evening, he gave a fully illustrated talk on "Modern Steam Generators."

of denunciation on the heads of the totalitarian states.

Democracy is supported enthusiastically, but many believe that steps should be taken to promote its support by groups of all ages.

General accord is expressed with the "keep American out of any war" idea, and many favor a policy on the part of our officials that would prevent them from making actions or statements that might arouse the ire of foreign nations.

Opinion is about evenly divided on President Roosevelt's rearmament program.

**Hold Meeting To Discuss Election and Dance Plans**

Coed dancing partners, new secretary and treasurer, and new steps will be the subject considered at the current meeting of the dance club, tomorrow in the Student Union Auditorium, at 4 p.m. The meeting, which follows the dance class, will be under the direction of James W. Duncan, the newly elected president, while Dan V. Stone, will have charge of the dance classes as usual.

The dance club was organized to teach ballroom dancing, both beginning and advanced, to whomever wished to learn. The only requirement in joining the dance club, for which there is no charge or dues, is that one appear at the classes.

The female dancing partners will be invited from the local colleges to attend dances sponsored by the club. These dances will be attended only by the members of the club, according to the present plans.

At 4 p.m. the advanced class will meet, to be followed at 5:00 by the business meeting. The beginner's class will begin immediately thereafter. All who desire to learn to dance, to improve their dancing, or possibly to be eligible to meet the coeds, are invited to attend this meeting.

**Record Crop of Freshmen Enroll as Semester Starts**

A new high in the number of freshmen enrolled featured last week's day school registration. A total of 317 green-cappers including 71 new men were enrolled up to late Friday night. Of the total of 976 registered in their classes by this time, sophomores with 265 students led the group of upper years. The juniors were represented by 221 students while the seniors have 137 men signed up. Included in the total are 36 part time students.

The figures shown above are not complete by any means. Registration continues for at least a week after classes have begun. Official complete figures will be released within two weeks on the actual number of students now attending school.

**Tests Given to New Students**

Oriental tests in mental ability, comprehension, vocabulary, mathematics, and visualization were given to all the incoming students last Friday afternoon. It seemed that the freshmen enjoyed the tests, particularly after the newness wore off, and a spirit of competition prevailed, as each student tried to outdo the other.

The first test was a general mental ability examination, being the psychological examination of the American Council on Education. The second test was intended to find out how fast the student can read and yet comprehend what he has read. The reason for this test is that a student who can read and comprehend 400 words a minute can do his homework four times as fast as one who can read but 100 words a minute. Ranges as great as these are common in all large colleges.

The third test was a vocabulary examination. This was followed by a quiz on the student's aptitude for mathematics. The last test given to the students was one in visualization. This test is of primary importance since it determines the student's ability to visualize objects in space. Students who have a poor sense of visualization usually have a difficult time in studying for an engineering profession and usually make poor engineers. These tests enable deficiencies to be discovered and corrected.

**Dr. Walker Causes Human Short-Circuit Demonstration**

If volts were votes, Doctor A. C. Walker of the Research Foundation would have won the election. With Doctor F. W. Godwin, he was demonstrating their new apparatus for the taking of pictures of a bullet in flight. The demonstration was for the benefit of Jack Lieb, a motion picture news cameraman.

Dr. Walker leaned over the apparatus and suddenly there was a dazzling display of electrical fireworks as from 30,000 to 40,000 volts passed through Dr. Walker's body. He had touched an exposed wire.

As the voltage coursed through his body, the scientist shouted "Get me off. Get me off."

The cameraman, automatically jumping to his camera, screamed "He's being electrocuted!" and started cranking away.

Al Schrieber, publicity director, fainted at the display of sparks and in falling opened the switch and Dr. Walker straightened up, unharmed.

The cameraman, Lieb, probably disappointed a bit because he was cheated out of the greatest scoop in his life, was more in need of attention than Dr. Walker.

It was explained that the voltage was high, but the amperage so low that not enough current entered his body even to hurt him. The average student is advised not to try to repeat the experiment.

**POWER PLANT—**

(Continued from page one) generators. All the alternating current used at the school is supplied from the mains of the Commonwealth Edison Company. The capacity of the large generator is 1740 amperes at peak load. The small engine generates 800 amperes. The average daily output of the boiler is approximately 400 horsepower. During the month of January, the power output of the Armour plant was 34,520 kilowatt-hours. This required the daily consumption of 14 tons of coal.

**Navy Man Inspects Foundation's Labs**

Following the introduction of a laboratory by the United States Army department at the Research Foundation, Commander H. W. Graf of the United States Navy called to investigate the usefulness of the foundation laboratories as an aid in carrying out the National defense program. Commander Graf called last week and conferred with the officers for some time. However, it has not yet been ascertained whether or not the navy will make use of Armour's facilities.

In connection with the clientele of the Research Foundation, it is of interest to note that since the conception of foundation some two and one-half years ago, over 300 individuals, companies, and associations of manufacturers have utilized the services offered. These services include testing of all types of equipment and original research in fields of physics, chemistry, x-rays, high pressures, and any number of other subjects.

Many changes are being made in the offices and laboratories of the foundation proper. A new reading room and library which will contain all types of testing and research standards and procedures is underway. This material is made available through contributions received from the individual members of the board of directors of the foundation. In addition to this, subscriptions to many technical journals, which include foreign publication, have been purchased.

In the shell of the old refrigeration laboratory, the research foundation have constructed a new combustion laboratory. The principle use of this laboratory at the moment is in the testing of stokers. To aid in this, a 150 h. p. boiler was installed.

**STEAMSHOVEL**

(Continued from page two) they came up there for other things and it wasn't taffy pulling.

Will NORM RICE please quit bragging about how he goes out on dates Saturday nights and it only costs him 24 cents carfare (three full fares and one half fare). After all, we all can't go to one girl friend's house for supper and then go to another's to sit and park for the rest of the evening (or can we?).

Runner-up for the absent-minded professor's memorial cup is Prof. PERRY. After waiting for 15 minutes for him to give the final exam to his dynamics class, Mr. KELLY had to call him up. "Oh, right, I'll be right over," he cried.

Odd name department: De MONEY handles the N.Y.A. payroll at school, and DOE had charge of the dough from the recent play, "Journey's End."

Professor Paul is more famous than you might suspect. He is mentioned as gazing into the crystal ball in the third stanza of the swing song, "I must See Annie Tonight."

Overheard outside the Dean's office on registration day last Friday: "What subjects are you taking this semester?" Ingenious reply: "Last semester's."

WaHoo-oo-oo-oo!!! What's the excitement, Bud? Why, exams are over! What?! Sure, let's give a cheer together: "Yippee!!"

**Champs Crowned In Fight Tourneys**

With all but two bouts completed in the interclass boxing and wrestling, the seniors and frosh are tied for honors in the tourney. The seniors have three victories, and the frosh are also sure of three wins. The two remaining bouts will be run off this week, and if Willman defeats Rehwaldt in the 175 lb. wrestling division, the frosh will take tourney honors.

Five weight divisions were wrestled in the mat events. Wagner, a senior, proved to be promising material for the school squad by overcoming Cole in the 125 lb. division. At 145 lbs. Thodos brought honor to his freshmen class by outpointing his junior opponent, Ralph Wagner. Finnegan, 155, achieved the only pin in the finals by laying Collier on the mat in 2:04. Willman advanced to the finals with a victory over Ruddy at 175, and will meet Rehwaldt this week. Pocius of the frosh won a time advantage in 6 minutes from Isakson in the heavy class.

Four weight classes and one exhibition bout made up the boxing events in the tourney. Vandekieft, by his aggressiveness, battered his way to a three round decision over Rehwaldt at 175. Aberer proved to be a little too much for his 135 lb. opponent Pederson. The frosh had things all their own way in the 160 lb. class with two frosh surviving the semi-finals. Peterman and Mankus will throw fists at each other in this division during the week. Erickson was victorious at 135 over Collins. In an exhibition match Colant triumphed over Koester.

**Poulter Article Reprinted In Polar Society Magazine**

In a recent issue of *The Polar Times*, published by the American Polar Society, an article by Dr. Poulter, titled "The Application of Seismic Methods in the Discovery of New Lands in the Antarctic," was printed. This article, which appeared originally in the *Armour Engineer and Alumnus* of March, 1937, discussed the difficulties encountered in mapping Little America and how these difficulties were overcome with the aid of the lightweight seismograph.

**ENGINEER—**

(Continued from page one) Hendricks and Moreton took over. The stories were not very important and were lacking in technical expression of the subjects. Today, however, the *Armour Engineer and Alumnus* is found on the reading tables of many companies and corporations. The pictures are clear and the articles express the thought of the article completely, which are indicative of a well-planned publication.

Professor Moreton is well known to the students for his work in remodeling the Student Union building and this with his outstanding work on the *Engineer* will be well-remembered by the present students and faculty members.

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