



New Registration, Schedule of Exams Released by Office Printed Class Schedules To Be Ready Soon

Announcements of the schedule of final examinations and of the registration procedures for next semester were made today by W. E. Kelly, the institute registrar.

Lists of the exams with their corresponding date, time, place, and instructor have been posted on the boards in the main lobby. A copy is reproduced in this issue of the *Tech News* to provide ready reference for convenience of students. The last line is particularly important and should be complied with at once if it applies to any student.

Plan to Eliminate Confusion

Students are required to be on time for the exams, but early arrival is not desired. In previous years there has been crowding and unnecessary noise in the hall outside of the gym and science hall. This confusion is a decided detriment to those who are inside and struggling with an important problem. For this reason it is requested that students stay away from exam rooms until just before the exam starts. In this way they will give a better chance to those at work. Ample time, ten minutes, is provided between exams for changing classes and beginning the final. No advantage is obtained by arriving early, therefore all are requested to give their fellow students a break and arrive just on time.

Registration procedure will be about the same this year as in previous years. Bulletins from the registrar's office have already been mailed, advising the payment of bills before the final registration day, February 3. Early payment eliminates the waiting line outside the cashier's office, and will aid in securing a place in a certain professor's class before it is filled.

Registration of New Students

One new feature in the coming registration will be the mailing of class schedules rather than posting them on the bulletin board at the stairway in the lobby. This will make it much easier to make out a good schedule and will avoid the crowding which has been prevalent in the past. The schedule of classes has a program blank printed on the reverse side for convenience in picking classes.

For the benefit of new students who are not familiar with Armour registration, the procedure is as follows: Make out a tentative program. A good practice is to have one or two
(Continued on page four)

Sophs Swing It At Medinah Club

Jack Russell and his popular Meidoy Mill orchestra will provide their distinctive rhythm at the annual sophomore dance to be held in the Grand Ballroom of the Medinah Athletic Club on Friday, February 10, from 9:30 till 12:30. Swinging lightly through the lyrics of Miss Floe Dare on a delightfully smooth floor, all who attend are guaranteed an enjoyable evening.

After a long search for a suitable spot the Grand Ballroom of the Medinah was finally selected, not only for its beauty and accessibility, but also because of the many conveniences offered. The parking facilities are excellent, and are coupled with a convenient cloakroom and a spacious lounge.

The bids, which were issued last Tuesday, are black suede with white insert. Although 400 bids are now in circulation, social chairman Bud Murray feels sure that very few will remain unsold. Every enterprising salesman who sells seven bids will be given a complimentary bid. Bids may be procured from any members of the social committee, which consists of Bud Murray, chairman, De Money, W. Grosse, J. Hartman, and R. Ratzel, or any of the class officers.

Shawnee Hears Musical Clubs

The first social affair of 1939 was vastly enjoyed by the men of the Armour Tech Musical Clubs last Sunday afternoon. Held at the beautiful Shawnee Country Club, located just north of Wilmette Harbor in the northern suburb of Wilmette, about one hundred future engineers and their dates had an afternoon full of music, dancing, and refreshments.

One of the purposes of the affair was to afford the club members of the Shawnee and their guests the opportunity of hearing the Armour Tech glee club and orchestra, directed by Mr. Gordon Erickson.

Starting at 3:30 p.m., the concert lasted an hour. Upon its completion a reception was held among the club members and the Techawks, following which dancing took place to the music of Don Charleton and his orchestra in the Shawnee Country Club ballroom. Refreshments were also served to the musical club members and their young lady friends.

On Thursday evening, February 23, the Musical Clubs will hold their annual Goodman Theatre concert. Tickets for this concert will be placed on sale in the Main Lobby Thursday afternoon. All seats are reserved, but it is a known fact that one Goodman Theatre seat is as good as the next from a vision as well as acoustical standpoint.

Dr. Poulter to Speak to Journalists at Banquet

The *Armour Tech News* Banquet will be held on February 9 at the Student Union beginning at 6:30 p.m. President H. T. Heald, Dean C. A. Tibbals, Professor W. W. Colvert, and Mr. B. E. Goetz are expected to attend.

Dr. Thomas C. Poulter, Director of the Research Foundation, is the principal speaker. His subject will be on seismology and radio work in the Antarctic. Doctor Poulter, a very popular speaker, was second in command and chief scientist for Byrd's Antarctic expedition of 1933-35.

Public announcement of the staff of the *Armour Tech News* for the year 1939 will be made. R. I. Jaffee, in charge of the Banquet committee, assures us of an excellent evening of entertainment.

Dr. Reed Arranges Instrument Panel In A. C. Laboratory

Junior electricals will have a complete line of new equipment in their A.C. lab. work next semester. Since the Christmas holidays, Dr. M. B. Reed and Leonard Holmes, assisted by several students, have been working in the shop of the main electrical engineering laboratory. In order that students might get the most out of their experiments by working in small groups, six complete sets of apparatus were constructed; in this course each group will have only two members as compared with four or five as was necessary in previous years.

Among the pieces made were variable air-inductances, capacitors adjustable from 5 to 100 microfarads and a set of new inductive resistors. Fifteen new Weston meters, especially suitable for the required work were bought. Special tables on which the experiments will be performed are being made. On a backboard circuit breakers, switches, and plugs for instruments will be mounted. The laboratory work will parallel the course in A.C. Theory given by Dr. Reed.

Additional equipment has also been built for the radio engineering laboratory by Prof. A. W. Sear. Two precision radio frequency oscillators were made this semester. These oscillators, which are checked against a 1000 kilocycle frequency standard, have a range from 5 to 30,000 kc. A Western Electric audio frequency oscillator is now being modernized and a new Hays bridge is planned. Duplicate apparatus will be necessary in many cases to take care of the large classes anticipated next year.

Pres. H. T. Heald On Trip to East Coast

H. T. Heald, president of Armour Institute, left for the East last Thursday to attend two meetings of engineering interest. He will also visit several colleges enroute, and according to his plans, will contact several Armour alumni in the East. It is expected that President Heald will be back by the end of the week.

At Washington he will attend a meeting of the Assembly of the American Engineering Council. This organization was established in 1920 to serve as a central agency for the engineering profession in general. It represents more than fifty national, state, and local engineering organizations and is governed by an assembly composed of representatives of these bodies.

President Heald will then go to New York and attend the general meeting of the American Society of Civil Engineers. L. E. Grinter, dean of the graduate division, will also represent Armour at this meeting. On the way back President Heald will stop off at Philadelphia and visit the University of Pennsylvania and Drexel Institute of Technology.

Millionth of Second Photographs Taken By Two Research Foundation Technicians

Millionth of a second pictures of a bullet in flight were recently taken by Dr. F. W. Goodwin and Dr. A. O. Walker of the Research Foundation in a demonstration of the new technique in high speed photography, which they have just developed. The pictures, which were published in most of the Chicago's newspapers, showed the successive positions of a bullet as it went through a glass plate, picturing in detail the cracking, piercing and shattering of the glass.

Use Miniature Camera

The photographic principle of this remarkable accomplishment is not new, for it has been used to take similar pictures for several years. A camera, in this case one of the well known "miniature" cameras, is focused on the point at which the bullet will strike the glass and the shutter is opened. When the bullet is fired, a discharge of 38,000 volts through a partially evacuated tube occurs and the resulting flash, furnishes the illumination by which the picture of the bullet is made. The new principle is in the manner in which the discharge is brought about. The gun is aimed so that the bullet in flight will pass just between two poles of a spark gap; the gases from the firing of the bullet then discharge the spark gap, thus causing the discharge in the partially evacuated tube, which furnishes the illumination. This innovation is construed to be the first application to high-speed photography of the above mechanism causing a bullet to take a photograph of itself with no outside or independent mechanism for the tripping of a shutter or discharge of a spark for illumination.

Alter Spark Gap

The position of the bullet at time of illumination, and consequently the time when the picture is taken can be determined by altering slightly the relative positions of the spark gap poles. The current for

Tour of Eastern States Proposed by Electricals

For the purpose of visiting the leading schools and manufacturing plants of the eastern states, a trip has recently been proposed. Definite action on the trip will be carried out during the mid-year vacation. At this time the students will be able to communicate with schools having already made trips similar to the one proposed.

Pending further investigation of the advisability of joining the W.S.E., action by the A.I.E.E. to adopt it as a member organization has been postponed. The next meeting will serve as a business meeting and general discussion of the significance of the W.S.E. as an affiliated organization.

Dance Class Members Elect Their Officers

During the meeting in the West room of the Student Union on Monday, January 9, the dance club held elections for the positions of president and vice president. The votes of the majority of the members established James W. Duncan as president and Charles McAleer as vice president.

The president was chosen from the advanced class, which meets from 4 to 5 o'clock, and the vice president was chosen from the beginner's class which meets from 5 to 6 o'clock. This was so arranged that each group may be represented in the executive body of the club.

For more effective advancement in dancing procedures, the members were organized into groups. Each group is composed of five or six members. These groups will receive personal attention from Dan Stone, the professional instructor.

Due to a popular vote the Dance Club meeting date has been changed. From now on it will meet on Wednesdays instead of Mondays, as has been done in the past.

Lab Testing Device Claims Increase in Rate of Filtration

Among the experiments being conducted by the graduate students in the water filtration laboratory, there is one on water filtering that has been receiving quite a bit of attention. The object of the experiment is to increase the quantity of water filtered per unit of time. R. I. Leland and J. H. Fellouris are the two graduate students who are conducting the experiment. They are working on this subject for their thesis.

At the present time almost all large filtration plants located in cities, towns, and large universities use a standard method to purify their water. Chemicals are used first in an attempt to eliminate any harmful organic matter and most of the impurities that it might contain. This involves precipitation by chemical reaction. The water then passes through large settling tanks and some more of the larger impurities are settled out. The water next passes into a tank containing approximately 30 inches of sand which eliminates the remaining impurities. Leland and Fellouris state that only the top one inch of sand really does the work in cleaning. Their plan is to introduce sub-surface filters so that the capacity of the system will be increased. These filters consist mainly of perforated filters inserted down into the sand. The water emerges from these filters at a level some distance below the top. In this way a lower level of sand can be filtering water at the same time.

The equipment with which they are conducting the experiments was donated by Ira H. Jewel, a maker of sub-surface filters.

NOTICE

This is the last issue of the *TECH NEWS* for the present semester. The next issue will appear on Feb. 7.

U. S. To Establish Precision Lab Here for War Department

Jewelry Committee Approves Contracts

Samples of Keys and Rings To Arrive Next Month

After eight weeks of hard work, the senior jewelry committee has completed the first part of its work. A contract for the rings and keys has been awarded to George H. Spies, Incorporated, of Chicago. In all, nine companies were considered in the bids which were presented. The committee regarded quality, price and reliability of the company as the main points of consideration.

Committee chairman Abe Zarem regrets that a junior was not appointed to the committee so that the work of the next graduation class committee would be made easier. He feels that a better understanding of the work would have made the decisions easier. There is a great variation in the prices due to the fact that seven different stones and various types of silver and gold settings are available. Keys are also available to those seniors who prefer them. Samples will be ready in about a month and the first orders will be taken at that time. The rings to be available are: Gold, 8 pennyweight, 10 karat; Onyx or Sardonyx, \$12.00; Ruby or Spinnelle, \$12.75; Garnet, Tourmaline, or Sapphire, \$13.75. For ten pennyweight rings, \$2.00 will be added to the above prices.

Rhodium plating will be used on the silver rings, which will cost \$5.00 to \$5.75. The cheaper rings are to have onyx and sardonyx stones, while Spinnelle and ruby stones will be used in the \$5.75 rings. Engraving of the monogram "A.I.T." or fraternity Greek letters will be done for \$3.00. Prices for the keys are as follows:

Ten karat, onyx or sardonyx, \$5.50; 10 karat, spinnelle or ruby, \$6.25; sterling, onyx, or sardonyx, \$4.00; sterling, spinnelle, or ruby, \$4.75.

Additional information regarding the jewelry can be obtained from the jewelry committee.

Columbia Yacht Club Site of Greek Dance

A formal interfraternity dance will be held on the night of Saturday, January 28. This dance which is limited to fraternity men alone is going to be held at the Columbia Yacht Club. This Club, which has just recently been redecorated, is situated at Randolph and the Lake just opposite the Naval Reserve Armory. Decorations and the design of the Club is in the motif of a ship both inside and outside. The dance is the first to be held in the redecorated atmosphere.

Sufficient parking space furnished with attendants is assured. Music is going to be furnished by the orchestra of Pierson Thal, an orchestra that has been featured at another Armour occasion. Bids are priced at \$3.00 each and include the cost of parking.

Details for the dance are being handled by a committee of C. DeMent of Phi Pi Phi, R. Dodge of Pi Kappa Phi, and T. Collier of Phi Pi Phi. The dance will be strictly formal, and will begin at 9:30.

Board of Trustees Hold Initial Meeting in Union

For the first time this year members of the Board of Trustees of Armour Institute of Technology held a meeting a week ago Monday in the newly completed Student Union.

The members assembled at the Chicago Club and were brought out to Armour by bus. After a brief dinner the regular January meeting was held. Following the meeting an inspection trip of the Institute was made. The trustees were divided into groups and conducted through the various school and research laboratories, following which there was an informal gathering in the Student Lounge.

Armour Approves Plans To Install Gauge Apparatus

Plans for the installation of a U. S. Army gauge checking laboratory at the Institute in collaboration with the Army Ordnance department in Chicago, have been approved by the Chief of Ordnance, school officials, and officials of the Research Foundation which will have jurisdiction over the project.

New York University also maintains a laboratory for the war department. The government reserves the right to use the equipment at any time, but the Institute will have the privilege of using the equipment.

Uses Precision Instruments

Fully equipped, the laboratory will make possible measurements to within two millionths of an inch using the Van Keuren Light Wave equipment, used to determine wear on Johanssen precision measurement blocks or other instances where great precision is essential. A measuring machine with a capacity of from 0 to 4 feet, measures lengths to the one hundred thousandths of an inch. A screw thread testing machine, built by the Bureau of Standards, a profile projector of the same make, and accessories make possible the closest determination of the characteristics of all types of screw threads.

Armour Has Use of Equipment

The New York laboratory, after which the new laboratory will be patterned, provides a Sheffield comparator with graduations to the 25-millionths of an inch and a Hartness optical profile comparator. There is also a wide angle binocular microscope and a tool maker's microscope with attachments for determining the characteristics of small threads to the ten thousandths of an inch. There are several sets of Hoke, Johanssen and Bureau of Standards precision measuring blocks and a large assortment of verniers, inside and outside micrometers, surface plates, straight edges, a super-micrometer with attachments and accessories for determining the pitch diameter of Acme and 60-degree screw threads. Sine bars and fixtures to check angles to the accuracy of a second; still parallels of assorted sizes, box parallels, precision level, cylindrical squares,
(Continued on page four)

Co-ops Winter Dance on Feb. 3 Bids Cost \$1.50

The Co-op Club's Winter Dance, to be held on Friday, February 3, 1939, now promises to be the most successful affair ever sponsored by the organization. As was announced in last week's *Armour Tech News*, Al Trace's orchestra will furnish the music and the Student Union will provide the setting.

Al Trace has been highly praised by the many students who have heard him play. Well-liked also is Trace's featured soloist, Ruby Abbott.

Al Trace and his "six silly symphonists" are featured regularly at the Hotel Sherman's Old Town Room and at the College Inn. On New Year's Eve the orchestra played for a gay crowd who willingly paid \$5.00 per person to hear them welcome the new year. On January 5, Al played for a program of the *Tribune's* advertising department, appearing with many celebrities that included Joan Davis, popular movie comedienne. The orchestra has also appeared on the stage of the State-Lake theatre and is heard over the Columbia Broadcasting System.

To further assure the success of the occasion, elaborate plans are being made for the decoration of the auditorium. The committee has been assured that the full facilities of the Union Building will be available for the evening.

The price is \$1.50 per couple. Bids are available at the office of the registrar, in the bookstore, and in Mr. Lease's office in Chapin Hall, as well as from Co-op Club members.

Armour Tech News

Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
3300 Federal St.
CHICAGO, ILLINOIS

Published Weekly During the College Year
1938 Member 1939

Associated Collegiate Press

REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.

Chicago Publishers Representative
420 MADISON AVE. NEW YORK, N. Y.
CHICAGO · BOSTON · LOS ANGELES · SAN FRANCISCO

“Entered as second class matter December 8, 1937, at the post office at Chicago, Illinois, under the Act of March 3, 1879.”

\$2.00 Per Year Single Copies, 10 Cents Each

EDITORIAL BOARD

EDITOR-IN-CHIEF.....RUSSELL KOTAL
MANAGING EDITOR.....ROBERT JAFFEE
NEWS EDITOR.....MAX EPFRAIM
SPORTS EDITOR.....HOWARD COYLE
COPY EDITOR.....THOMAS YEAKLE
BUSINESS MANAGER.....ROBERT WINBLAD
FACULTY ADVISOR.....WALTER HENDRICKS

EDITORIAL DEPARTMENT

Desk Editor.....Carl Reh
Rewrite Editor.....John Keane
Assignment Editor.....Robert Bartusek, Francis Opila
Asst. Sports Editor.....Tom Clark
Make Up Assistants.....E. Cavanaugh, C. Wright
Fraternity Editor.....R. Perry
Copy Readers.....G. Frost, P. Mead, P. Woods
Columnists.....A. Hansen, E. P. Hanuska, J. Hebron, B. Sternfeld,
W. Laube, F. Prather, S. Silverman, E. Worcester, A. Zarem,
D. Brown, M. Camras, E. Colant, I. Dzikowski, E. Gruca,
J. Hartman, S. Horan, L. Jindrich, E. Kalnin, H. Krantz, R.
Kubitz, A. Kunickis, D. Mackey, W. Mackey, W. Milleville, H.
Quadee, P. Reh, E. Rosenthal, M. Schultz, W. Strassenburg,
J. Thibault, C. toe Laer, R. Underhill, H. Zimmerman.
Sports Writers.....E. Anderson, J. Fahey, E. Worcester
Sports Reporters.....F. DeMoney, J. Ruddy, R. Tatge, W. Simonini
Cartoonist.....J. Mirusinic

BUSINESS DEPARTMENT

Advertising Manager.....Frank Slavin
Circulation Manager.....Ralph Erisman
Circulation Manager-Co-Op.....Robert S. Kohn
Circulation Manager-Exchanges.....Roger Smith
Business Assistants.....R. Abrahamson, R. Besancon,
M. Johnson, R. Jacobsen, W. Mackey, L. Mize, W. Speth.

Vol. XXII, January 17, 1939 No. 14

Semester End

It's hard to believe, but there's no escaping the facts—finals next week. There's definitely something wrong. We were sure there was about a month left to turn in those lab reports . . . and all the studying we were putting off . . . rather leaves an empty feeling in the pits of our collective stomachs.

We can't explain it. Either we've done a Rip Van Winkle for a month, or Mr. Roosevelt has changed the year to eleven months. Time just doesn't pass by that swift.

Someone once said that time fleets when pleasantly spent. We've found this true, both during this rapidly-ending semester, and in our connections with the ARMOUR TECH NEWS, which will come to a close after our next issue. It was one short year ago that the present managing board took over from Jim Sheehan and Bud Parker and their "gang." We had great plans for improving the TECH NEWS, but like a battle-scarred old

fortress, she withstood our onslaught, and came out with perhaps a few more errors in the copy, but little difference otherwise.

There's bull sessions and bull sessions, but none like the kind we have Saturday at the printers while the linotypists call for "heads." A bull session becomes par excellence when it successfully competes with something far more important, but infinitely less interesting. We've had a lot of fun putting out this paper. Of course, many's the time we're verbally griped about all of the Friday nights and Saturday mornings, noons, and nights that we've spent on it, but, given the opportunity, we would do it over. It's been a grand experience to have worked and worried on the TECH NEWS, one that we're glad to have had.

Like all other departing boards we hope that the next managing board will profit by our mistakes. But if they do, they'll probably invent some new ones to pass on down the line.

Mailbox

Reorganization of the Western Society of Engineers
The Armour Branch of the Western Society of Engineers has been functioning as the civil engineering society at Armour for the past twenty years. However in 1935 the membership was made open to the students of all departments in keeping with the policy of the parent organization. This served merely as a gesture because since 1935 the society has been predominantly civil as before. At present the society is taking steps to assume its proper position in serving students of all departments. It is the purpose of this article to explain the reasons for and the steps which have been taken in this direction.

At Armour Institute there is no provision for an all department engineering society. There is a definite need for such a society. Engineering has no static divisions that provide that a man taking, for instance, chemical engineering will become a chemical engineer. Also, we students must recognize that the trends of modern engineering are not towards classifications as chemical engineers, civil engineers or mechanical engineers but towards a broader classification as professional engineer. The Western Society of Engineers organized as an all department engineering society would constitute a step towards the bringing together of the various engineers. There is another perhaps more practical gap in our present engineering society organization which such a society would fill. At present there is nothing which tends to correlate the work of the engineering societies. A good deal of the value of the societies is lost to the majority of the students. In the event of a speaker of national reputation at one of our departmental meetings a majority of the students miss the opportunity to hear his message because a person cannot be in two places at the same time. The need for providing a time and place available to all for important meetings can be fulfilled by an all department engineering society. These ideas serve as a bare outline of the reasons for the reorganization of the Western Society of Engineers.

Several steps have been taken toward the reorganization. The first being meetings with the officers of the various departmental societies. It was decided to draw up a temporary set of by-laws for the presentation to the various societies for suggestions and ultimate approval. An outline of these by-laws is as follows: Membership to be limited to members of the various engineering societies; the proposed society to be managed by a Board of Managers consisting of two members from each society; dues of two dollars per society would qualify all members of the departmental societies as members of the Western Society of Engineers. These dues are for the purpose of paying the fees of the president and secretary as active members in the Western Society of Engineers as required by the constitution.

The by-laws of which the barest outlines appear above were tentatively approved by the president of the departmental engineering societies and are to be brought up for ratification at the earliest opportunity.

Respectfully,

Harold G. Anthon,

President A. B. of W. S. E.

Ed. Note: The last issue of the TECH NEWS carried two news items concerning this question. In both instances, the societies found faults in the by-laws and, although generally in favor of the plan, refused to accept the present rules without revision.

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

It is with great pleasure that I announce that dear old Santa hasn't forgotten us and has at long last brought us our new joke book. So relax my little children, and let's laugh.

"Well, did he pay you?" asked the wife of a dentist who had been to collect a bill for a full set of false teeth that he had made for a man almost a year before.

"Pay me?" growled the dentist. "Not only did he refuse to pay me, but he actually had the effrontery to gnash at me—with my own teeth!"

Overheard at 33rd and Federal streets a few days ago.

Charitable Woman: Here's a penny, my poor man. Tell me, how did you become so destitute?

Beggar: I was always like you, mum, a-givin' away vast sums ter the pore 'an needy.

The Father and Son's Banquet has substantiated our belief that there is always a tie between father and son—and the son usually wears it.

A man rushed into a cigar store. "This cigar you sold me," he said, "it . . . it stinks."

"Well, you needn't complain," said the tobacconist. "You've only got one. I've got thousands of the darn things."

Customer: I'd like some rat poison, please.

Clerk: Will you take it with you?

Customer: No, I'll send the rats over after it.

The minister arose to address his congregation. "There is a certain man amongst us today who is flirting with another man's wife. Unless he puts five dollars in the collection box, his name will be read from the pulpit."

When the collection plate came in, there were nineteen five dollar bills and a two-dollar one with this note attached: "Other three pay day."

This can't go on indefinitely, so like all good things this column and the semester must come to an end together. We'll be expecting to have you back here next semester in our laugh (?) class . . .

HI YO SILVER.

FINAL EXAMINATIONS FIRST SEMESTER—1938-1939

Monday, January 23

Time	Course	Instructor	Place	
8:30-10:20	Higher Algebra, Math. 10	Mathematics Instructors	500 Main Building	
	College Algebra & Elem. of Trig., Math. 101 A-K*		500 Main	
	College Algebra & Elem. of Trig., Math. 101 L-Z*	Mathematics Instructors	502 Main	
	Elementary German, German 101, 201	Hammer	305 Main	
	Elementary French, French 101	Hammer	305 Main	
	Radio Engineering, E.E. 418	Sear	102 Chapin Hall	
	Elements of Heat Power, M.E. 411	Libby	105 Chapin	
	10:30-12:20	Engineering Mechanics, Mech. 201, 202	Mechanics Instructors	500 Main Building
		Applied Mechanics, Mech. 203	Mechanics Instructors	500 Main
		Electricity, E.E. 414	Nash	305 Main
	1:10-3:00	A. C. Machinery, E.E. 407	Freeman	305 Main
Architectural Practice, Arch. 401		Harper	Art Institute	
Electricity, E.E. 414		Sear	102 Chapin Hall	
3:10-5:00	General Metallurgy, Ch.E. 405	Carpenter	502 Main Building	
	Experimental Engineering, M.E. 308, 310, 407	Laboratory Instructors	500 Main	
	Study Techniques	Orcutt	305 Main	
8:30-10:20	Logic, English 201 A-E*	English Instructors	502 Main Building	
	Logic, English 201 F-Z	English Instructors	500 Main	
	Soil Mechanics, C.E. 428	Ensz	205 Chapin Hall	
	Differential Equations, Math. 301	Krathwohl	305 Main	
	Advanced Calculus, Math. 303	Oldenburger	208 Chapin	

Tuesday, January 24

8:30-10:20	General Physics, Physics 201	Physics Instructors	500 Main Building
	General Physics, Physics 202	Physics Instructors	502 Main
	General Physics, Physics 203	Potter	502 Main
	Electric Power Plants, E.E. 406	Freeman	305 Main
10:30-12:20	Engineering Metallurgy, Ch.E. 417	Miller	102 Chapin Hall
	General Chemistry, Chem. 101 A-R*	Chemistry Instructors	500 Main Building
	General Chemistry, Chem. 101 S-Z	Chemistry Instructors	502 Main
	Flow of Fluids, Mech. 308	Mangold	305 Main
1:10-3:00	Graphic Statics, C.E. 314	Spears	102 Chapin
	Chemical Hazards, Ch.E. 317	Tibbals	105 Chapin
	Bridge and Structural Design, C.E. 408	Stevens	108 Chapin
	Heat and Radiation, Physics 301	Thompson	111 Chapin
	3:10-5:00	Business Org. & Control, Soc. Sc. 241	Hansen
Mechanics of Materials, Mech. 301		Mechanics Instructors	500 Main
Descriptive Geom. & Arch. Appl., Arch. 101		Harper	Art Institute
Structural Design, C.E. 413		Spears	102 Chapin Hall
8:30-10:20	Engineering Shops, M.E. 318, 418	Pearl	500 Main Building
	Electricity, E.E. 415	Ahern	502 Main

Wednesday, January 25

8:30-10:20	Thermodynamics, M.E. 305	Thermo. Instructors	500 Main Building
	Elementary Thermodynamics, M.E. 316	Peebles	305 Main
	Mechanics, M.E. 201	M. E. Instructors	502 Main
	Industrial Chemistry, Ch.E. 312	Schommer	102 Chapin Hall
10:30-12:20	Stresses in Framed Structures, C.E. 303	Stevens	105 Chapin
	Business Policy, Soc. Sc. 431	Social Sci. Instructors	500 Main Building
	Machine Design, M.E. 205	Swineford, Winston, Cowie	305 Main
	Solid Geometry, Math. 11	Spencer, Sadovskiy	502 Main
1:10-3:00	Elementary Surveying, C.E. 209	Penn	102 Chapin Hall
	Business Policy, Soc. Sc. 111	Social Sci. Instructors	500 Main Building
	Advanced Inorganic Chem., Chem. 411	Schaud	502 Main
	Engineering Chemistry, Ch. E. 307	Schommer	305 Main
	Water Supply Engineering, C.E. 405	Vagtberg	214 Chapin Hall
3:10-5:00	Diff. and Int. Calculus, Math. 201 A-J*	Mathematics Instructors	502 Main Building
	Diff. and Int. Calculus, Math 201 K-Z	Mathematics Instructors	500 Main
	Diff. and Int. Calculus, Math. 202	Mathematics Instructors	500 Main
	Diff. and Int. Calculus, Math. 209	Ford	500 Main
	Mathematics for Architects, Math. 103	Bibb	500 Main
	Anal. Geom. & Appl. of Trig., Math 102	Mathematics Instructors	305 Main

(Continued on page four)

KNOW YOUR PROFS

Dr. Poulter

Research Director at Armour Institute . . . second in command of the Byrd Expedition, and senior scientist . . . head of the entire division of physical sciences, mathematics and astronomy at Iowa Wesleyan College for one year . . . possessor of two doctorates . . . member of over a dozen societies . . . possessor of the congressional medal . . . lecturer in the State universities of fourteen states during one summer . . .

A famous scientist fills every one of these positions, which, in all, are but a sample of his well rounded life. His name, but seldom heard among members of the day school, is Dr. Thomas C. Poulter. Of him Rear-Admiral Richard E. Byrd has said:

"Fast in Action"—Byrd

"Very much of a man, this Dr. Poulter; physically a giant, as fast in action as he is slow in words. How he ever managed to dispose of his great bulk among the myriads of machinery and the complications of his meteor apparatus was one of the mysteries of little America . . . He is that rare combination—a true scientist with an extraordinary gift in practical handiness . . . Before, during, and after the expedition, Dr. Poulter took leadership in the scientific field and the results obtained are far superior to the work of any other scientist who has ever accompanied me on my undertakings."

A native of Iowa, Dr. Poulter attended Iowa Wesleyan Academy as a professor of physics from 1916 to 1917. He then entered the navy during the World War as a member of the crew of the United States Submarine C-4, which operated from Panama. In 1919 he came back to Iowa, and became an assistant pro-

fessor of biology, chemistry, and physics at Iowa Wesleyan College, and four years later received his B.S. degree.

For the next two years he attended Chicago University as a graduate student and an assistant in chemistry. The following two years found him back in Iowa as head of the chemistry department at Iowa Wesleyan College, and he became head of the department of physics there for the next six years. Then Chicago University awarded him the Ph. D. degree. For a year following this he became head of the division of physical sciences, mathematics and astronomy at Iowa Wesleyan College. This was in 1933.

His main field is research, however, and for several years previous to this he had already engaged in it. He started out in 1927 with lectures to fourteen state universities that summer. Four years later he did some research as a physics professor, and the following year he became a member of the Midwest Meteor Association, and went on the expedition that investigated the Arizona meteor crater.

Received Honorary Degree

In 1933 and 1934 Dr. Poulter received a John Simon Guggenheim Fellowship, which he used while acting as the second in command and the senior scientist on the second Byrd expedition which lasted from 1933 to 1935. As a result of this he received an honorary Doctorate of Science in 1935, from the Iowa Wesleyan College.

He is also a member of the Seismological Society of America. In this connection an article published in the newspapers of a year ago says:

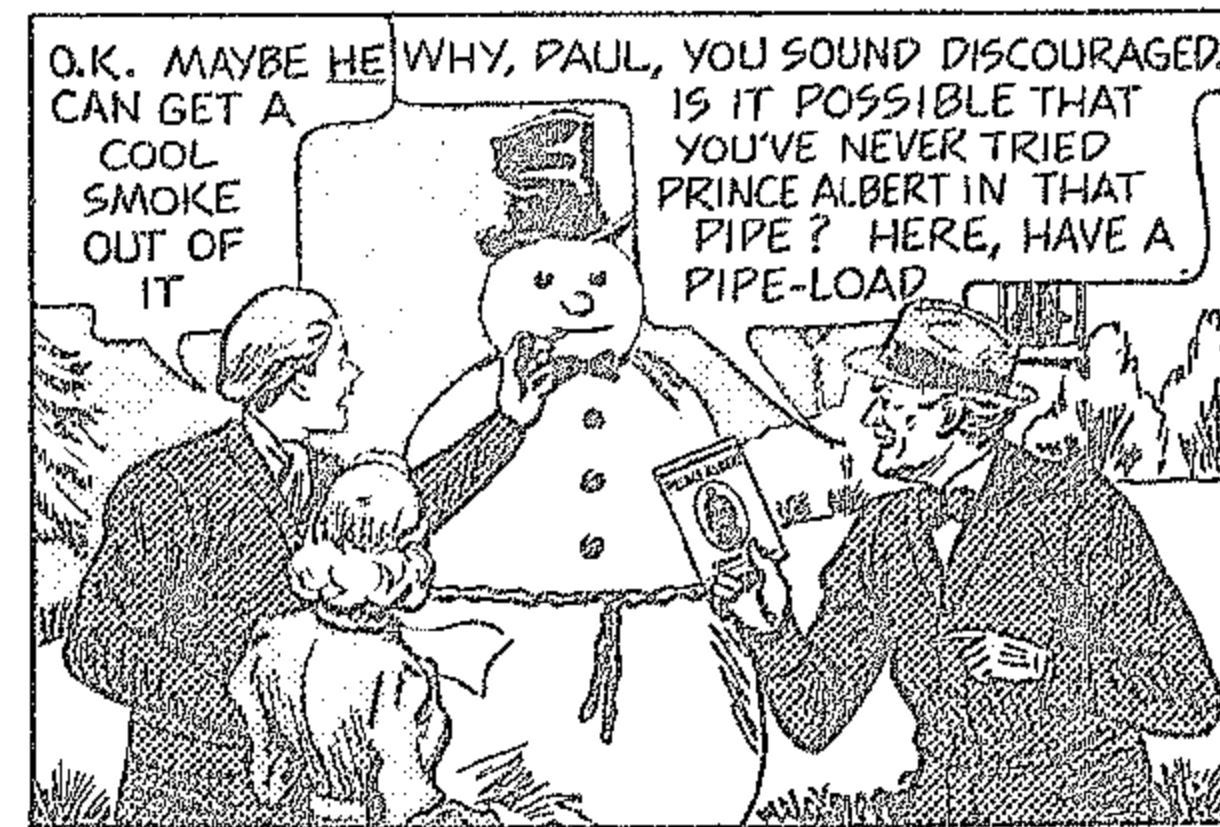
"In the Antarctic, Dr. Poulter's special fields of scientific activity involved observations of meteors and

an elaborate series of seismic measurements involving the use of explosives and designed to give information regarding the thickness of the ice and the position of underlying rock with reference to sea level. This latter work resulted in the discovery of an island, previously unknown, about one hundred miles in length, rising to one thousand feet above sea level, with an ice cap 400 feet thick."

Member of Many Societies

In addition to these, Dr. Poulter is also a member of the American Association for the Advancement of Science, the American Physical Society, the American Chemical Society, the Iowa Academy of Science, the American Polar Society, the Illinois Academy of Science, the American Meteor Society, the Geophysical Union, the Quadrangle Club of the University of Chicago, the Chicago Astronomical Society, Sigma Chi, and Theta Kappa Nu. He is also a fellow of the Geographical Society of Chicago, as well as its third vice-president; a life member of the National Geographic Society; director of the Physics Club of Chicago; and a member of the finance committee of the American Chemical Society.

Dr. Poulter is one of the most active men among us, having averaged about four lectures per month, which are given all over the country. He has written almost thirty articles, of which 15 were published by the Iowa Academy of Science, and over half of which have been concerned with the effects of extremely high pressures on all sorts of things from the voltage of a Weston electric cell to the indices of refraction of substances, absorption spectra, and optical rotation. Several articles are in preparation as yet, most of them being concerned with observations during the Antarctic expedition.—And all of this refers to Dr. Poulter!



MY HAT'S OFF TO P.A. IT'S EXTRA MILD, YET RICH-TASTING. WHAT A TEAM FOR PERFECT SMOKING

SMOKE 20 FRAGRANT PIPEFULS of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Co., Winston-Salem, North Carolina

Copyright, 1939, R. J. Reynolds Tobacco Co.

50 pipefuls of fragrant tobacco in every 2-oz. tin of Prince Albert THE NATIONAL JOY SMOKE

Tech in Coliseum Saturday; On Elmhurst Floor Tonight

Armour vs. C. T. C. Part Of Double Bill

Armour Tech's basketball squad will perform in the Coliseum next Saturday night when it faces the Chicago Teachers College five, for the second time this season, in a game which is one of a series being conducted for the public of Chicago. Following the custom of New York City with its popular intersectional and home games held frequently in Madison Square Gardens, the Coliseum has inaugurated similar contests here in the city.

Saturday's game will be one of a double header with the Chicago Cavaliers, sponsored by the LaSalle Hotel, facing the Missouri Valley AAU league, of which the Chicago Cavaliers are the leaders. The Coliseum saw a similar double header last Friday night when Macomb Teachers defeated St. Marys of Winona, and the Chicago Cavaliers took the Trailers from Tulsa, Okla.

C.T.C. Tough Victim in Opener

Chicago Teachers slowed down in the first Armour game of the year only enough to see Tech take the lead by one point, following 35 minutes of trailing the visitors and hold Teachers scoreless for the final four minutes to win 30-29. Healy was high scorer for the opponents with 10.

The Chicago Teachers have showed marked improvement. They have met Illinois Normal, Illinois Wesleyan, and several other teams of this category and against these they have more than held their own. Coach Boyle has employed a fast breaking offense and a tight up-the-floor, man to man defense. This latter is particularly irksome to any team using a slow breaking offense such as Armour's.

Facing Teachers next Saturday night at the Coliseum will be Tech's lineup of O'Connor and Sliwa, forwards, Swanson, center, and Scherer and Janicek at guard positions. Others to see action will probably be Herb Sher, guard, Lurz and Rudakas at forward, and Al Kubicka, guard.

Travel to Elmhurst Tonight

Armour's Techawks will be attempting to establish a winning streak after their win over George Williams by repeating their last year's triumph over Elmhurst College at Elmhurst tonight.

Last year Armour overcame Elmhurst by a late rally, 44-35. With Swanson and Norkus leading the scorers, the Techmen took a hard fought battle on the Armory floor. Elmhurst's squad has been handicapped this year by ineligibleities, and has thus far won only one out of six contests. One more encouraging fact as to the relative strength of the two teams can be found in the fact that Armour has a victory over DeKalb, while the latter came through with a win over the Elmhurst five.

Swanson, O'Connor Lead Scoring

Captain Ed Swanson, because of his 6 foot 4 inch height and ability to grab rebounds and to tip in any-

Tech Swimmers Ready For Jaunt to DePauw

To put off the threat of onrushing exams, the Tech mermen will head for DePauw U. at Greencastle, Ind., Friday for their annual meet taking place on Saturday. Last year Armour was defeated twice by the very strong Indiana squad, and this year they have practically the same team back.

From the previous showings of the engineers, it seems as though there is plenty of material with which to build a well rounded team. The main difficulty, at least at this time of the year, is that few of the men are in actual competitive condition. After the finals, the swimmers will develop into a much better team.

Taking some of the meets from last year, and analyzing the results of the meets, it appears that Armour does better as the season progresses. Last year Armour first met DePauw between semesters with DePauw as hosts. Then at the end of the season DePauw had a very hard time nosing out Armour at Bartlett pool.

Team Leaves for Toledo, Detroit after Finals

Following the Teachers game, the team will rest before embarking on its annual eastern trip. The Techawks will ride in style Thursday, Feb. 2 when they leave for Toledo, Ohio, to play Thursday night with DeSales. DeSales is a new opponent on the schedule for the engineers, but will be faced again here at the close of the season.

Two days later Tech will be up against the Detroit University Titans, the group which handed Armour its final drubbing last season. Tech lost that game only in the final minutes, and so if they are in full strength in Detroit on Saturday night, Feb. 4, they should give the Motor City gallery a good taste of basketball.

Who would make the trip or how the team would travel was not definite by last Friday night, according to Coach Stenger. The New York Central would probably be taken to Toledo, and thence to Detroit, while the Michigan Central would return the squad to Chicago.

Whether traveling the streamlined 20th Century would be possible was doubtful as it arrives in Toledo not until 8:30 p.m.

thing within the free throw line, still leads the Techawks with individual scoring honors. He has 59 points accumulated from the seven games played.

Not far behind, however, is Ed O'Connor, forward, who joined the engineers this fall after leaving St. Viators College, and who has taken second honors with 46 points.

Probable lineups tonight:

Armour Tech	Elmhurst
O'Connor, f	Schettle, f
Sliwa, f	McGooney, f
Swanson, c	Hakewill, c
Scherer, g	Izner, g
Kubicka, g	Cuthoit, g

Armour Defeats Williams, 30-26, In Defensive Tilt

In a rough and tumble game that kept a meager audience both excited and amused, Tech's fighting five whipped an outclassed George Williams College quintet, 30-26, on the Armory floor last week. Armour led all the way, although the mid-game margin was only two points. O'Connor dropped five baskets for Tech to lead in scoring the victory.

The contest lacked the speed and brilliance that both teams showed in the Lake Forest tilt, featured heavy defensive tactics by Williams, but there was excitement and a good show. Both teams missed a large number of scoring opportunities, when the ball rolled in and out the hoop. Bill Scherer made two pretty long tries and a pair of free tosses, while several other long shots missed entering the hoop by inches.

Richstad of Williams opened the scoring, but Sliwa took Swanson's rebound and dropped it in while O'Connor and Scherer made field goals to put Tech into a lead she never relinquished. At this point Joe Janicek replaced Norkus, and put on a show for the customers by waddling about the Armory floor after a referee with his sweat trousers around his ankles. In despair, Sands of Williams lent him needed aid, and Joe entered the fray. The half closed with a scoring spurge by O'Connor on rebounds of "Bloomers" Janicek and Swanson.

Lurz started the second half at guard and applied the old principle of try, try, try again, till he sank his own rebound. Tech went into a nice lead on a few long shots by Scherer and captain Swanson, but Sands and Van Akkerman got cutting and whittled the margin to two points. The game went on the proverbial block of ice when Sher made a nice basket, and Rudakas, who also has Joe's trouble of removing his drawers, controlled the Tech defensive bank board and basket, thus dim-



By TOM CLARK

Two weeks more and the first semester of the school year is history. With tests starting next Monday, continuing for a week, and then, nine days of vacation, there's going to be a lull in athletics here at Armour. With the exception of the basket ball team's games on the second and fourth of February, nothing will be orthocoming in this period.

It's four out of seven for the squad with respect to games won and lost, with wins over Arkansas, Chicago Teachers, DeKalb, and George Williams, and a loss to the University of Chicago and two to Lake Forest. The De Kalb squad were quite surprised by their loss to us. One of their players, we won't mention names, commented before the game that he was amazed that Tech didn't defeat Arkansas by a larger margin than she did. Incidentally Arkansas defeated Iowa State in a subsequent game.

It's two out of three for Loyola in swimming meets held in the past two years. Last Wednesday's was the first meet for Armour and the greenness was plainly evidenced. Slow starts, and clumsy turns, all coupled with lack of condition did the trick. Then of course they swam in a 25 yard pool, while our fellows are accustomed to a 20 yard pool. However, all was not a total loss, for afterwards there was a dance in the school gym. Assistant manager Hawkins

ming Williams' hope of continuing an offense as minutes and the game slipped away.

Armour Tech (30)		George Williams (26)	
	B. P.		B. P.
O'Connor, f	5 0 4	Richstad, f	2 1 0
Norkus, f	0 0 0	Van, f	0 0 0
Swanson, c	2 4 2	Akkerman, c	2 2 1
Scherer, g	2 2 1	Sands, g	2 5 2
Janicek, g	0 0 0	Chatman, g	0 3 3
Sliwa, g	1 0 0	Rudak, g	1 0 2
Lurz, g	1 0 1		
Sher, g	1 0 0		
Rudakas, f	0 0 0		
	12 6 12		7 12 12

says that three girls from Mundeline are plenty okay.

There's still time to enter the wrestling and boxing tournament. Said tournament comes off tomorrow night in the gym with Sonny Weissman officiating and administrating. All the weights are well represented in both events, with the exception of the very lower and upper divisions. Freshmen are as scarce as hen's teeth in this classic—must be a bad case of inferiority complex.

Matmen Recuperate From Purdue Battle To Face Herzl Friday

After having received a vicious setback down at Purdue University a week ago last night, 27-5, the wrestlers are again in training for their next meet, the fourth of the season, to be held here next Friday at 4 p.m. against Herzl College.

Future meets to be contemplated by the squad between semesters are those at Morton Feb. 3, and at DeKalb during the first week of classes Feb. 8. The squad to date has defeated Morton once, and has lost to two of its toughest opponents, Wheaton's conference champs, and Purdue's matmen.

While down at Lafayette, Leo Ropak, student manager of the groaner as well as 135 pound mat ace, was the only Techawk to come through with flying colors at full mast. He pinned his man for Tech's lone five points.

Despite the fact that Till, McDaniel, and Harrison, who battled 20 pounds over his weight, were all pinned, the 27 score of the Boiler-makers was no indication of a one-sided battle. The point system used in the Big Ten allowed much leeway in awarding points when ordinarily the Techawks would be earning time. Purdue will be faced here on Feb. 18, and decisions will be based on time advantage.

Loyola Hands Tech Its First Ducking

Dodge Wins 200 Yd. Free; Blumberg Competes in Diving

Displaying new talent in all but but one event, the Armour Tech swimmers were dealt their first defeat of the season last Wednesday night when they met a better conditioned Loyola team at the north siders' pool. The score was 46-20.

Armour managed to get one first and four seconds among the events. Ray Dodge, who did a good job of swimming the 220 last year, jumped into an early lead and held on to win the 200 yard free style. Bell and Blumberg, two newcomers took second place in the 100 yard breast and diving, respectively. A battle royal was put on by Blumberg, and his graceful dives brought many a cheer from the feminine gallery.

Except for moments in the 200 yard free style, none of the races was close. It was only the diving that caused some consternation among the spectators, for Dougherty barely beat out Blumberg by three points.

Perhaps by next semester, last year's lettermen will be in form and the new members more experienced so that Armour will turn the approaching schedule into wins.

Summaries:

200 YARD RELAY—Won by Loyola (Shapiro, Corboy, Dougherty, Carilli). Time—1:46.5.
100 YARD BREAST STROKE—Won by Burke (L.); Bell (A.) second; McNulty (L.) third. Time—1:15.1.
50 YARD FREE STYLE—Won by Carroll (L.); Shapiro (L.) second; Talcott (A.) third. Time—2:26.2.
100 YARD BACK STROKE—Won by O'Shaughnessy (L.); Blume (A.) second; Corboy (L.) third. Time—1:14.9.
200 YARD FREE STYLE—Won by Dodge (A.); McKeever (L.) second; Rein (A.) third. Time—2:29.4.
FANCY DIVING—Won by Dougherty (L.); Blumberg (A.) second; Volokaty (A.) third.
100 YARD FREE STYLE—Won by Carroll (L.); Dodge (A.) second; Moore (L.) third. Time—1:00.1.
150 YARD MEDLEY RELAY—Won by Loyola (O'Shaughnessy, Burke, Dougherty). Time—1:22.

SKIING IS EXCITING!—"But don't let nerve tension spoil your fun . . ."



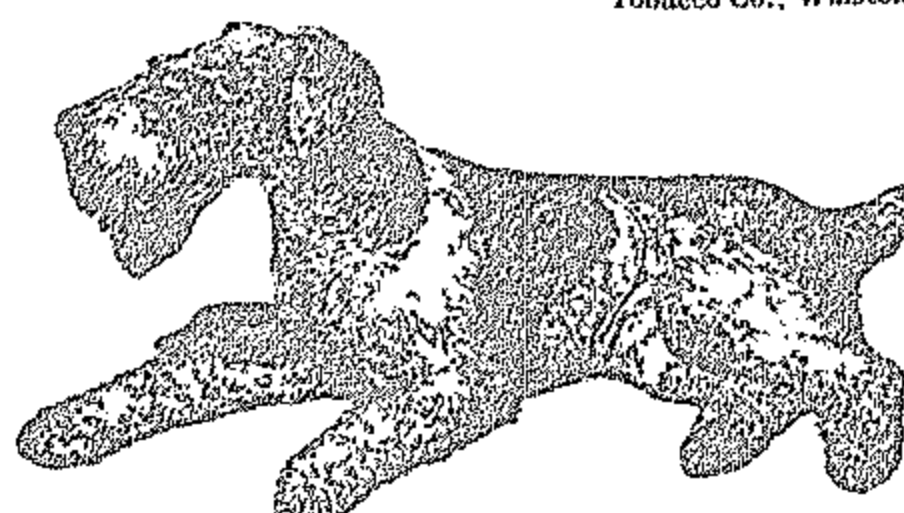
advises HANS THORNER Skiing expert and director of the Mount Washington (N. H.) Swiss Ski School



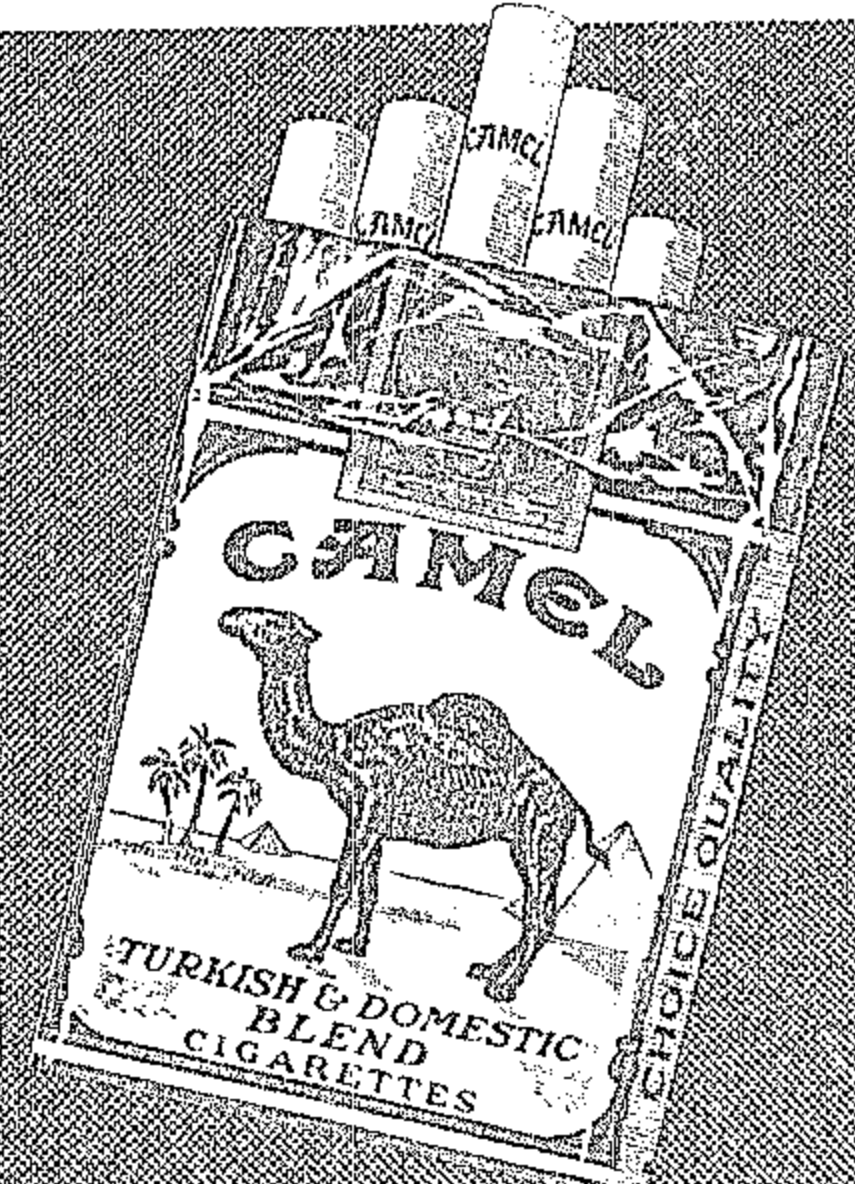
HUNDREDS OF SKIERS have made their debut this winter sport under Hans Thorner's expert guidance. One skiing principle he stresses is: "Don't let your nerves get tense, keyed-up." His advice to pupils: "Pause regularly—let up—light up a Camel."



BETWEEN ORGANIZING CLASSES, checking up on equipment, giving exhibitions, and a host of other activities, there's plenty of nerve strain in Hans Thorner's day too! At left you see him taking his own advice about the way to avoid getting tense, jittery. He's letting up to light up a Camel. "It's a grand way to break nerve tension," says Thorner. "I find Camels quite soothing to the nerves."



WHEN BUSY, STRENUOUS days put your nerves on the spot, take a tip from the wire fox terrier pictured here. Despite his complex nerve system, he quickly halts after activity, to relax—to ease his nerves. Often, we humans ignore this instinctive urge to break nerve tension. We may even drive on relentlessly, forgetting that tiring nerves may soon be jittery nerves! Yet the welfare of your nerves is really vital to your success, to your happiness. Make it your pleasant rule to pause regularly—to LET UP—LIGHT UP A CAMEL. Start today—add an extra measure of comfort to your smoking with Camel's finer, costlier tobaccos.



COSTLIER TOBACCOS Smoke 6 packs of Camels and find out why they are the LARGEST-SELLING CIGARETTE IN AMERICA

Smokers find Camel's Costlier Tobaccos are Soothing to the Nerves

EDDIE CANTOR—America's great comic personality in a riot of fun, music, and song. Each Monday evening on the Columbia Network. 7:30 p.m. E. S. T., 9:30 p.m. C. S. T., 8:30 p.m. M. S. T., 7:30 p.m. P. S. T.

BENNY GOODMAN—King of Swing, and the world's greatest swing band—each Tuesday evening—Columbia Network. 9:30 p.m. E. S. T., 8:30 p.m. C. S. T., 7:30 p.m. M. S. T., 6:30 p.m. P. S. T.

TUTORING, CLASSES, student directory work keep John H. Naylor (above) hopping. "Can't let tension 'get' my nerves," he says. "I rest them frequently. 'Let up—light up a Camel' works 100% with me. Camels are soothing—comforting."

Giovan Shows Color Slides At Camera Club Meeting

Colored pictures of the Azores, Gibraltar, Algiers, Greece, scarlet cyprianthems in full splendour scenes of Christmas outdoor lighting, all these and more served as the elements of a feast of color held by the Armour Eye last Friday. They were shown from colored slides which were photographed by A. C. Giovan during a trip to the Mediterranean lands, and by L. Wooding during the last year. The latter group included photographs of the Christmas show at the Garfield Park Conservatory. This colorful display was followed by the monthly picture contest held by the club in which pictures were displayed on the subjects "Portraits" and "Winter." The guest that was invited to judge the photographs was P. J. Stanley. Prizes were awarded to A. C. Giovan, who received first prize in the "Portrait" class, Bob Grunwald, whose portrait ran a close second, and C. E. Hammett, who was given first prize in the "Winter" subject class.

CO-OP NEWS

E. P. Hanuska

Our own wrestling champion, Fred Till, B2, who returned from Purdue University last week where he suffered his first defeat of the year, comments: "I had a very interesting time. The wrestling? Oh, I should have been more careful. The fraternities treated me fine—they even lent me a slide rule to do my homework with."

Till tells us they have nine fellows to each girl down there. That's no cause for comment; look at us Armour men!

A meeting of the A.S.M.E. will take place at 10:30 A.M. on Friday, January 20. Co-op members: Plan to be present!

The Aurora group of Co-ops are holding a combination dinner and meeting on January 30 which will be attended by factory representatives.

The activity of the Aurora group of Co-ops in furthering their social and economic interests should bestir some reflection on the part of the rest of us. As conditions exist at present, the Co-ops, in general, lack the necessary unity of thought and action essential to a progressive body. Attendance at class meetings should be 100 per cent. Members in the various societies and clubs should make it a point to attend meetings and see what's going on. The coming dance is a good opportunity to lend your support and show your interest in Co-op affairs.

Fred Krahelec B3 has arranged a trip to the Tribune Plant for Friday evening, Feb. 10.

Complete New Washroom; Locker Room Is Enlarged

Under the direction of W. Koster, Superintendent of buildings and grounds, the various changes in the basement of the main building which had been in progress for the past month were completed last week. The old washroom fixtures have been completely replaced by ones of a modern design. Concrete now takes the place of the old tile floor which had served the purpose for so many years.

Additional locker space is provided by the south west room. The wash basins which formerly occupied this room have been removed and a part of the 105 new steel lockers purchased by the school have been installed in this room. As in the past, the lockers will be available for use of upperclassmen only.

ARMY LABORATORY—

(Continued from page one)

universal right angle irons, a bench center, universal square, and adjustable angle plate are but a few of the numerous items of equipment which would be augmented from time to time.

The laboratory, owned and operated by the war department will be a valuable asset to the Institute, making available a place where instruments may be calibrated prior to research investigations, and also to industries in the metropolitan area which may benefit by these facilities. All precision equipment, which will be installed, will be calibrated at the Bureau of Standards and the tabulated calibrations will be part of the laboratory records to be applied to any tests. Actual completion of the laboratory is not expected until 1940.

REGISTRATION—

(Continued from page one)

alternatives ready to meet conditions as they arise. Next, get a registration card and fill it out. Then give it to the registrar and get a bill. Third: pay the bill at the cashier's office on the second floor, north end. Fourth: enroll in your tentative classes. This is done by going to the rooms designated by the registrar in his bulletin, and enrolling with the professor in charge of enrollment in your particular courses. There may be two or more men handling certain departments, so be sure the right class and professor are picked. Be positive that the bill is marked paid, and the enrollment card ready for signatures. Finally: turn in the completed enrollment card and final program card to the registrar's office. This should be done not later than two weeks after registration.

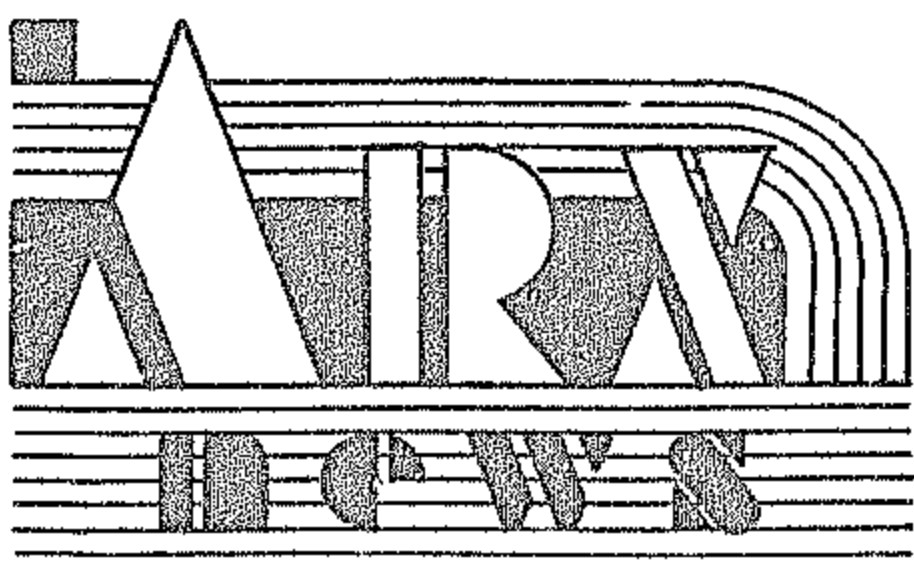
Necessary books and supplies may be purchased in the bookstore. Here also, early purchase is advisable to avoid standing in line. Books should be on hand for the reconvening of classes on Monday, Feb. 6.

Topic of A.S.M.E. Meeting To Be W.S.E. Foundation

Armour's student branch of the American Society of Mechanical Engineers, at their next meeting, Friday, Jan. 20, at 10:30 a.m., will discuss the foundation of a Western Society of Engineers chapter here. According to the proposed plan, this society would become the parent engineering society at Armour, and would be under the management of the departmental societies.

A discussion of the advantages of the organization and the proposed regulations will be led by Paul Henriksen, president of the A.S.M.E. The floor will be left open for any questions, additions or objections, to the plan, by the students.

A large attendance of faculty and student members is expected for such an important discussion, which may influence every engineering society at Armour. The meeting will be held in Science Hall.



As the semester comes to a close, labor day(s) approaches. Instead of having Labor Day in September, it would be very appropriate to have it some time this week. . . . But that's life, I guess.

Speaking of life, the sophs are always in such a dither on Friday which comes after Thursday when they do have life. It kinda affects them; I guess it's the day-after effects. Some sophs seem to be waiting for an extension to their senior year for their log cabins. Maybe OSTERGREN, the Arx bookie, will give them odds. . . . The same sophs were all "het-up" about some gals across the way, until they said that they would meet the sophs at a ritzy club, after having been asked for dates. The sophs quickly remembered their home-work. . . . Most amazing, aye, disgusting sight of the week: red socks, black shoes, vivid green pants, blue shirt, jamboree tie, black and white sweater — all on SALZMAN.

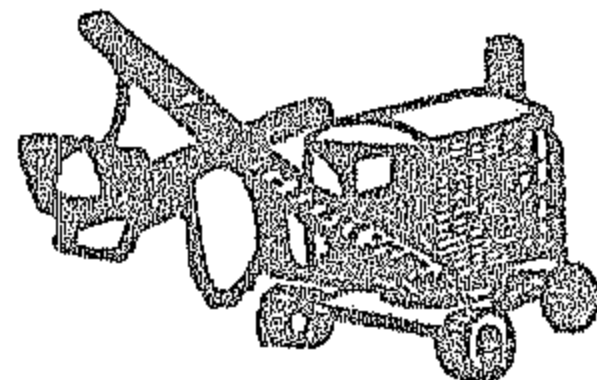
Almost all of the frosh were sleepy last week; except OSTERGREN, and he wishes now that he had been, for many things happened to him, amongst them was the happy or unhappy (at any rate: pleasant) adventure of his in the Freehand room on Thursday; the model fell in a faint; she thought she was seeing a personal appearance of "The Son of Frankenstein" . . . Piper attempted to cut his hair—that is, Ossie's . . . He also promoted a broad-jump that was near tragedy.

It seems as though some juniors have got the goods on Goldsmith, and he claims that if that choice piece of "info" is let out, he'll be a ruined man . . . My, my, another Indian bites the dust; women again, I hear.

'Til next,

BOZ-ARTS.

Steam Shovel



Shoo-sh-sh-sh-shoo. Shooo! Shooo! Sh-sh-sh-shoo! Siss-s-s-s-s. . . . Yep, the Steam Shovel's here again. Can't you hear it digging away up above to get the dirt? If not send in for our "Little Snappy" hearing trumpet, the best little trumpet outside of those used by Horace Heidt and his "Trumpeteers."

Catlin! Have you heard the name before? Have you seen the name in lights on theatre marquees? Have you heard his name mentioned on the radio? Has his name been in big red letters on box tops? NO!! But somebody loves him, even if she's only 17 years old (or is it sixteen?).

... Can it be the breeze, de de, de dum, de de, or is it Love in Bloom?" Ask Emil Daniel or Bill Kurtz, senior juicers. Setting out to get their pictures taken in the loop last week for the Cycle, they longingly passed up the Rialto because of lack of quarters (not lack of interest) and ended up in the cooking school at Marshall Field's. Perhaps they're taking Prof. Schommer's advice of "not getting married," and are learning to do their own cooking.

John Schommer has been chiseling on his fire protects. A few of the boys worked up a warm acquaintance with a beautiful blonde at Inland Steel, whereupon John forced his way in and whispered . . . well, whispered sweet nothings in her ear. Later he sent the firemen home and assured them she would be well taken care of. (That's what makes a wild-cat wild.)

Neck and neck. No, it's not a horse race. It's Lyckberg and that gojus blonde—Marilyn.

(Continued from page two)

Thursday, January 26

8:30-10:20 Physical Chemistry, Chem. 308 Mech. and Elect. Equip. for Bldgs., M.E. 314 Steam Power Plant Eng., M.E. 401, 409 A. C. Circuits, E.E. 408 City and Highway Planning, C.E. 424	Freud Seegrist Nachman Richardson Spears	305 Main Building 102 Chapin Hall 502 Main 106 Chapin 108 Chapin
10:30-12:20 F. P. E. Lectures, F.P.E. 301 Underwriters' Standards, F.P.E. 405 History of Arch., Arch. 103, 203 Chemical Engineering, Ch.E. 401 Hydrology, C.E. 422 Dynamics of Heat Eng., M.E. 302	Finnegan Finnegan Harper Kintner Penn Perry	305 Main Building 305 Main Art Institute 500 Main 102 Chapin Hall 502 Main
1:10-3:00 Organic Chemistry, Chem. 204 Elem. of Electrical Eng., E.E. 205 Business Law and Contracts, Soc.Sc. 321 Civil Eng. Draw and Est., C.E. 201	Freud Richardson Larkin Simpson	500 Main Building 305 Main 502 Main 102 Chapin Hall
3:10-5:00 Literature and Composition, English 101 A-R Literature and Composition, English 101 S-Z D. C. Machinery, E.E. 306	English Instructors English Instructors Reed	500 Main Building 305 Main 502 Main

Friday, January 27

8:30-10:20 Descriptive Geometry, M.E. 103 Descriptive Geometry, M.E. 103 Chemical Engineering, Ch.E. 301 Aerodynamics, C.E. 410 Schedule Rating, F.P.E. 408 Surveying, C.E. 417	Seegrist, McLarney Hammett McCormack Wells Sorenson Penn, Salgo	502 Main Building 401 Physics Building 305 Main 102 Chapin Hall 105 Chapin 500 Main
10:30-12:20 Fire Insurance Schedules, F.P.E. 201 Public Policy, Soc.Sc. 421 Engineering Shops, M.E. 310, 419	Finnegan Larkin Penn	102 Chapin Hall 305 Main Building 500 Main
1:10-3:00 Fire Insurance Practice, F.P.E. 305 Special Hazards, F.P.E. 406 Economics, Soc. Sc. 211	Finnegan Finnegan Hansen	305 Main Building 305 Main 500 Main
3:10-5:00 Personal Psychology, Psychology 401	Oreutt	305 Main Building

*A-K, L-Z refers to members of class whose names begin with these letters.
PLEASE REPORT ALL CONFLICTS TO THE OFFICE OF THE REGISTRAR IMMEDIATELY.

Charlton Promises Gala Affair for Junior Formal

Arrangements for the junior formal are being made early by the social committee to insure the best and largest formal ever staged by the third year men. As has already been announced, it will be held at the Congress Casino on Friday, March 10.

This room, with private check room and entrance, will be reserved exclusively for the Tech supper party. A popular ballroom orchestra is being engaged and the menu planned for a full eight course dinner.

Geometrical Coordinates Is Topic of Giddings' Talk

Last Friday evening, January 13, Professor H. A. Giddings of the department of Mathematics, spoke to the members of the Chicago Mathematical Society. Dr. Giddings discussed generalized geometrical coordinates and their application in the proof of the theorem of Desargues.

The Chicago Mathematical Society is a group of north side school and college students which meets periodically at the homes of its members to further interest in mathematics.

America's CHOICE

... the HAPPY COMBINATION (blend) of American and Turkish tobaccos in Chesterfield which gives millions more smoking pleasure.

Chesterfield combines in rare degree qualities you'll find in no other cigarette. In *Chesterfield* you'll find refreshing mildness... better taste... more pleasing aroma. Its can't-be-copied blend . . . a combination of the world's best cigarette tobaccos... brings out the finer qualities of each tobacco.

When you try them you will know why Chesterfields give millions of men and women more smoking pleasure... why THEY SATISFY

Chesterfield

...the blend that can't be copied
...the RIGHT COMBINATION of the
world's best cigarette tobaccos



MARYLIN MESEKE, of Marion, Ohio, chosen as the country's most beautiful girl of the year.

They Satisfy