

Phi Kaps, Sophs Cop Top Honors In Interfrat, Interclass Swim

Sophs Take All But One First Place; Alpha Sigs Second

In sweeping the interclass swimming meet held last Wednesday night at Bartlett the sophomore class coped all first places with the exception of the forty yard crawl which Whitney Pearson, a Freshman, won easily. The 160 yard relay provided the real thrill of the evening as Pearson unleashed his power in the last lap and almost touched out Bell who was leading by a good five yards at the time.

Sophs Dominate

After the 40 yard free style event, the meet was thoroughly dominated by the sophs. The 160 yard medley was won easily by Sophs Huxhold, Koos, and Mankus when the junior team was disqualified for jumping by Svadgis. However, Svadgis atoned for this unfortunate misstep by placing second in the 40 yard backstroke and third in the 40 yard breast stroke.

The competition was quite a bit keener in the inter-fraternity swim. The powerful Phi Kap team replaced the Alpha Sigs as Champions by a score of 39-24. The Pi Kappas placed third, scoring eighteen points, and Delta Tau Delta placed fourth, scoring twelve points.

Taylor Splashes Foam

A large turnout made it necessary to have two heats in most events and time trials were used. Taylor, a Phi Kap, really went to town in the forty yard crawl, as he turned in the impressive time of twenty one seconds. The crowd relaxed as Heidenreich won easily in the 220, beating his closest opponent by a complete length.

RESULTS

Phi Kappa Sigma 39
Alpha Sigs Phi 24
Pi Kappa Phi 18
Delta Tau Delta 12
Sigma Alpha Mu 2

Interclass

160 Free style relay: Won by Sophs (Rademacher, Mankus, Talcott, Bely), Fresh second, Juniors, third.
40 Yd. free: Won by Pearson (F), Rademacher (S), second, and Hawrysh, (F) third.
40 Yd. Breast: Won by Koos (S), Svadgis (J), second, and Bell (S), third.
40 Yd. Backstroke: Won by Huxhold (S), Talcott (S), and Svadgis (J).
120 Yd. Medley relay: Won by Sophs (Huxhold, Koos, Mankus), Fresh, second, Juniors, third.

Boosters Sure To Win—Davey

That rollicking bunch of economics students, commonly called the Davy Boosters, are out to annex the Intramural Softball title. Unmindful of many fine entries in the tournament, including the defending champs, the Boosters have filed their entry for tourney which starts this week.

Boosters Are Versatile

It certainly would not be surprising if the gang could turn the trick, considering their past fetes. During the fall, they gathered together a football team that was almost invincible. They managed to defeat a team of "Senior" All-Stars. Although they didn't enter the intramural tournament, they managed to beat some of the good teams around school.

The Booster basketball team was undefeated. It was a fresh team largely composed of Boosters that won the Intramural Basketball crown. The team, with Ray LaGodney and Casey Jones as their stars, was a fast high-scoring unit, playing a flashy brand of basketball.

With the baseball now in vogue, the gang is out again to do its best for dear old alma mammy on the diamond. Doctor Davey, the team's sponsor and leading booster, has predicted a victory for the team. We said that it's a shame that he is ineligible, being a faculty member. But instead of being the star player, Doctor Davey will have to be satisfied with being the star roofer.

The team will be loaded down with power. Some of its star sluggers will be Bill Brazelton, Dick Guetzow, Herbie Bay, Mario Silla, Ray LaGodney, Casey Jones and Tom Casman.

Byrne a Flash for Comets

Besides the Boosters other strong freshmen teams are entered in the tournament. The Freshman Comets have exhibited strong power in practice games. Jack Byrne, pitching, Lefty Mongean, the first baseman, and Captain Pete Zemaitis an outfielder are the team's stars.



By Fred DeMoney

Tomorrow will see the opening of the baseball season. As has been the custom of past years the brave Techawks will invade the Midway for a crack at the ball, and the consequently the Maroons. With the exception of Willie Kruse, the lineup will be the same as it was a year ago. The team this year has a fine bunch of frosh hurlers, and strangely enough, two of them use the wrong arm. A newcomer to the other end of the battery is one Fred Lukens. Besides being a fine receiver and possessing a snappy and accurate peg, "Luke" is a hitter. The other day in practice the former U. of Wisconsin student leaned on a cripple and drove it over the centerfield fence.

Waistlines—Jesse, the local authority of all hot stove controversy, comments on the inaugural of the softball tournament. . . . "If the senior chems would stick together and not fight, they're a cinch to win . . . look at the material"

INTRAMURAL SOFTBALL SCHEDULE

Tues.	9:00	Sr. F.P.E. - 4B Coops.
	10:00	Jr. Ch. E. - 5B Coops.
	11:00	Sr. M. E. - Soph M. E.
	11:00	Sr. M. E. - Soph M. E.
	2:00	Soph F.P.E. - Nameless Wonders
Wed.	11:00	Sr. E. E. - Jr. F.P.E.
	2:00	Soph Ch. E. - Boosters.
	3:00	Soph C. E. - Bruins
	4:00	Soph E. E. - Comets.
Thurs.	2:00	Jr. C. E. - Meeches.
Fri.	10:00	Graduates - 2B Coops.
	1:00	Sr. C. E. - Jr. M. E.
	2:00	Jr. E. E. - Technologists.
	3:00	Sr. Ch. E. - Buzzards.

Stenger's Nine To Open Season On Midway Against Maroons

Teams Start Play In Softball League

This week marks the beginning of play in the annual intramural softball tournament. Twenty-six teams are now entered from the day school, including three Co-op teams, one graduate team, and seven freshmen teams. The freshman entries read off like the Sing Sing roll call, for it consists of the Buzzards, Meeches, Boosters, Nameless Wonders, Bruins, Comets, and Technologists. Despite the fact that play has started, it is not too late to enter the tournament.

One Official Diamond

Each team is scheduled to play one game this week, and all of the games will be played on one official diamond. The southwest corner of Ogden field will act as the official diamond. The games will be seven innings long and the officials will be selected by the mutual consent of the participating teams. There will be twelve medals awarded to the winning team. A new ruling, introduced by the ATSA board makes all lettermen ineligible for competition in the sport that they have won their letter. Thus a baseball letter winner will not be permitted to participate in the softball tournament.

"Ringers" O. K. Here

Another intramural sport included on the spring calendar is the horse-shoe tourney. Entries for this sport are coming in rather slowly and intramural manager Frank Opila would enjoy seeing a lot more singles entries and also a few more doubles. The tournament will be held in three clay courts especially built for the purpose in back of Chapin. There are many around school who are experts in this "barnyard golf" sport, and thus many a ringer is expected to be thrown in this new intramural sport.

Al Yursis on Mound for Techawks; Bauch To Catch

University of Chicago vs Armour Tech!! That's the opening game of the baseball season for the Techawks and is scheduled for Wednesday at the University of Chicago. On Saturday Armour will meet George Williams College at Ogden Field. These games will be played if the weather man is willing and should be a real test for the squad.

Team Shaping Up

Armour's team is shaping up very well this season and will give a creditable account of themselves against any opposition. The U. of Chicago baseball team, however, unlike the football squad of the same name, is always an aggregation to be reckoned with in the Big Ten, which is proof enough of their strength. In Chicago, Armour will find its strongest opposition of the year and the outcome of this game ought to be a fair yardstick with which to measure the chances of the Engineers during the forthcoming season.

Although no official announcement has been made concerning the pitchers for the two games this week, it is fairly certain that Coach Stenger will pitch Alex "Wild Cat" Yursis against Chicago and probably Red James against George Williams.

Starting Lineup Announced

The starting lineup will be much the same as the one which closed the season last year, and barring unforeseen accidents should be as follows: Bauch, catcher; Carrier or Woiniak, 1st; Mueller, second; Leonard, short; and Thodos at third base. In the outfield Krause will be in left, Achnakian in center and Rehwaldt in right. This lineup is the same as last year with the exception of first base where Carrier or Woiniak will replace Lyckberg, who graduated last year.

Chicago Opener on '40 Tennis Schedule

After five weeks of practice at the Armory, the tennis team is rapidly rounding into shape for its opening meet with the University of Chicago netmen, next Wednesday at 2:30 on the Midway courts. Bad weather has held off practice outside, and now with good weather coming on, a few days practice on outside courts will do much to help the team.

Swanson and Biddle Missed

This spring found Swanson and Biddle to be the only members of last year's team lost through graduation. Nick Natinchek, Bob Lange, and Ralph Wagner are last year's returning lettermen. Competition has been keen to replace the two positions left open on the team. Dunworth, Wehrle, Abrahamson, Hauswald, Sherman, and Phillips are some of the men trying for the open spots. Lange and Natinchek have been showing good form as a doubles team and should take quite a few matches this season.

Face Tough Schedule

Manager John Balsewick has made up a pretty tough schedule, with a few more meets to be added later as soon as arrangements can be completed. The schedule, besides including the opening meet with the University of Chicago, also includes a Junior Week trip to Indiana, with meets at Purdue, Indiana State Teachers, and Butler University.

TENNIS SCHEDULE—1940

April 17—University of Chicago, there.
April 26—Chicago Teachers, here.
April 30—De Kalb, here.
May 1—Indiana State Teachers, here.
May 2—Chicago Teachers, there.
May 7—Purdue, there.
May 8—Indiana State Teachers, there.
May 9—Butler University, there.
May 15—De Kalb, there.
May 27—Wheaton, there.

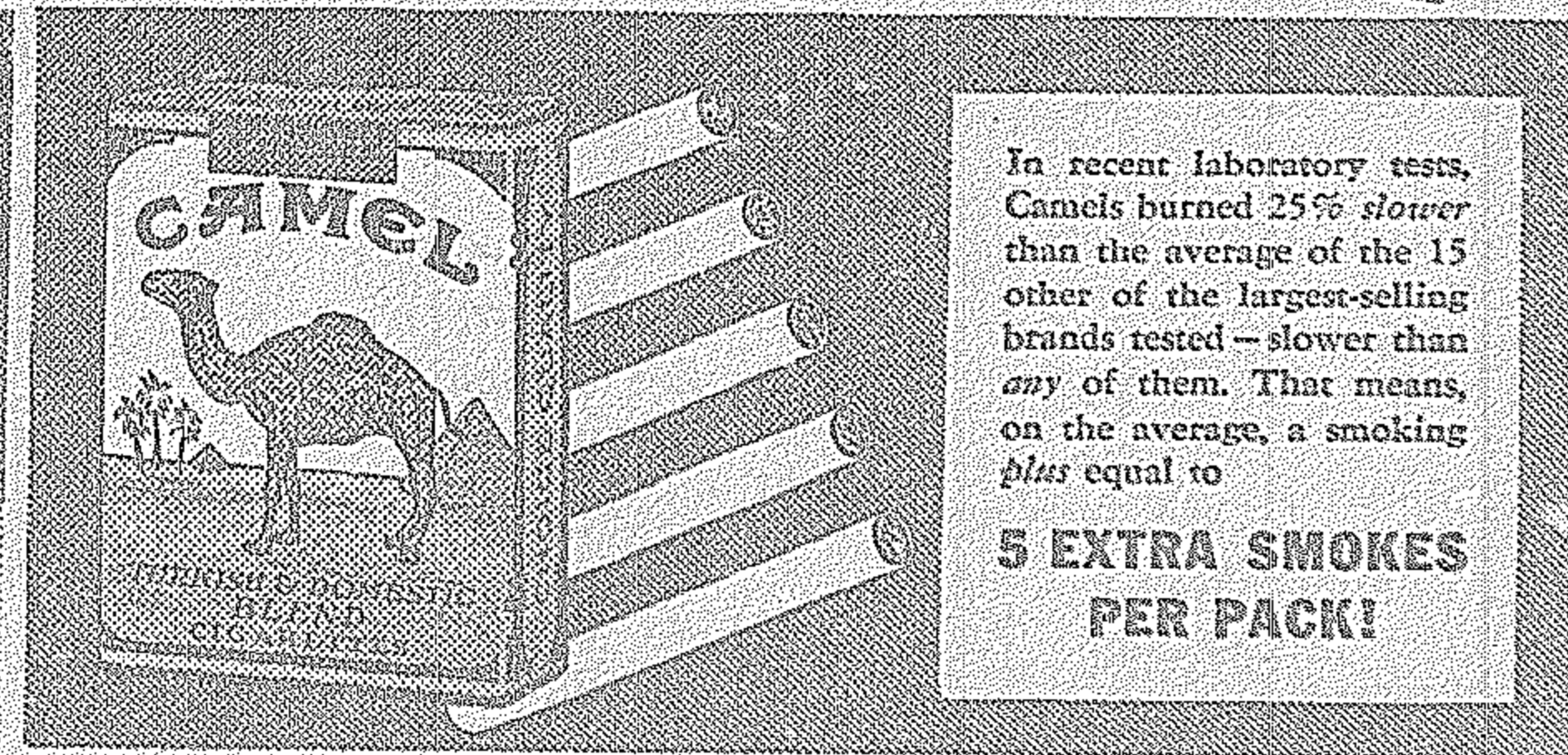
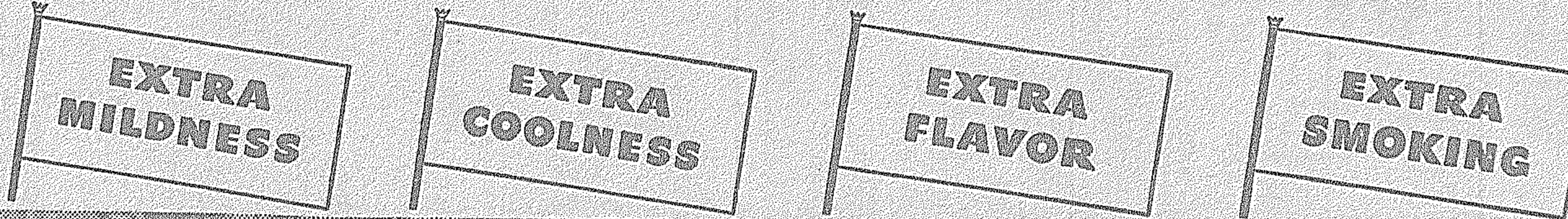
Bob Swanson

picks his racing cars for speed—his cigarettes for slow burning



HERE THEY COME in a hurricane of flying dirt and squirting oil. You can almost hear the high whine of the motors and the shriek of brakes and burning tires as they streak into the sharp unbanked curves. They may call 'em "midget racers," but there's speed to burn underneath those toy-like hoods. Leading the pack in the picture above is Bob Swanson, Pacific Coast champ. In a split second these racers may be climbing each other's hoods, hurdling, somersaulting, flying through fences. Bob Swanson likes a slower pace in his off-time. Fishes a lot. Smokes Camels a lot. He explains: "I don't like overheating in my cigarette any more than I like it in a racing motor. I stick to Camels. I know they're slower-burning... milder and cooler."

Slower-Burning Camels Give the Extras



In recent laboratory tests, Camels burned 25% slower than the average of the 15 other of the largest-selling brands tested— slower than any of them. That means, on the average, a smoking plus equal to

5 EXTRA SMOKES PER PACK!

MORE PLEASURE PER PUFF...MORE PUFFS PER PACK!

WITH BOB SWANSON, it's always a slow-burning Camel. "That slower burning makes a big difference," says Bob. "Camels are milder—easier on my throat. They don't bother my nerves. And they never tire my taste. They give an extra amount of smoking, too." Yes, speed is fine in the right place, but millions have learned that in cigarettes the coveted extras of coolness, mildness, and full, rich flavor go with slow-burning Camels.

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CAMELS

—the cigarette of costlier tobaccos

A.A.S. Smoker Features Talk By J. Rodgers

How Armour Institute is becoming one of the foremost among architectural schools was explained by Professor J. B. Rodgers of the department of architecture to a group of budding architects who met in the Student Union lounge last Wednesday night. Said Professor Rodgers, "Armour is already creating interest and curiosity throughout the profession, and is beginning to be imitated in architectural education." He also spoke of Harvard and Princeton as following our routine to some degree.

Informal Meeting

The Arx students began gathering in the lounge about 6:30, and leisurely pulled up their chairs—and relaxed. Whenever someone felt like smoking, a cigarette or a pipe would emerge from his pocket, and soon a few puffs of smoke would be seen. Shortly after seven o'clock, Professor Rodgers was introduced. Refusing a stuffed chair for a wooden one, lest he be "too comfortable," and lighting his pipe after he was seated, he commenced to speak, beginning with Armour's status in general, and then went on to his particular field: construction.

Construction Important

"Architecture is building with art," he said, "and therefore a good architect is just as much a builder as he is a designer." He went on to say that this was the reason for the importance of construction in architectural education. However, most schools teach design and construction separately, with little emphasis on the connecton between the two.

In contrast to this, according to Professor Rodgers, the main purpose behind our method of teaching is to induce the student to think about construction when he is designing. He also mentioned later, that emphasis is put largely on the details in many other schools while the tendency here is to bring out the principles. Another aim is to integrate the two phases of architecture during our course.

A.S.M.E.—

(Continued from page one)
on an engineering subject, and one on any subject. The judging will be based on picture composition, engineering representation, and general interest. Four awards and several honorable mentions will be made by H. J. Johnson of the Hawthorne Camera Club.

Number of Prizes

Eight prizes will be awarded in the essay contest for technical subjects, consistin g of \$35, \$25, \$15 and three prizes of ten dollars each. A slide rule and a steel tape will be given to the seventh and eighth prize winners. Chairman of the judging committee for these papers is Mr. R. E. Turner, editor of "Power Plant Engineering."

As previously announced, the student's A.S.M.E. conference is to be held April 15 and 16 with Armour acting as host. Assisting Prof. Roesch are R. W. Scott, M. R. Balis, and John Catlin. Over 400 delegates from 16 midwestern colleges are expected.

BANQUET—

(Continued from page one)
A. Larson, vice-president of the Association, who is in charge of all arrangements, Clay DeMent, Fred DeMoney, Roman T. Mankus, and Rocco DeStefano. Cooperating with these men are Dean Tibbals and Professor Schommer, in the role of faculty advisors.

Schommer Toastmaster

Mr. Schommer is to be the toastmaster of the evening and has done a great deal in securing a speaker for the occasion. In this he has been so successful that Mr. Tappen Gregory has been procured. Mr. Gregory is a lawyer, author, and naturalist, and, with his vital background, is expected to deliver a very interesting address. After a lively evening at the banquet tables, the evening will be culminated by a tour of the Institute. This will give the fathers a better idea of what Armour is and has. To make the affair a success, the date was chosen so that the Open House exhibits might be seen. All concerned with the arrangements feel that they have just cause to be optimistic about it, and to expect a record turn-out.

Math Professors To Present Many Papers at A.S.M.

Nine of a total of fifty-nine papers will be delivered by members of the staff of the department of mathematics of Armour Institute of Technology on April 12-13, at the three hundred sixty-eighth regular meeting of the American Mathematical Society at the University of Chicago. On account of the desire of the mathematics faculty, to be present at this important gathering, all day-school classes in mathematics will be excused for this Friday only.

Complex Subjects

Nine papers, to be delivered before the society by Armour men are: Scalar Extensions of Algebra with Exponent Equal to Index, by Dr. Sam Perlis; A Quotient Ring over the Ring of Bounded Operators in Hilbert Space I, by Professor John W. Calkin; Regions and their "Patterns" in Conformal Mapping, by Mr. Hugh J. Miser; and The Minimal Numbers of Binary Forms, by Professor Rufus Oldenburger. To be presented to the society but not read are five papers: A Generalization of a Theorem of Weyl, by Professor Calkin; Functions of Several Variables and Absolute Continuity, also by Professor Calkin; On a Class of Non-negative Matrices, by Professor Oldenburger; Polynomials in Several Variables, also by Professor Oldenburger; and Sufficient Conditions that Polynomials in Several Variables be Positive, by Dr. Irwin E. Parlin.

CAMARAS—

(Continued from page one)
the wire will retain its magnetization quite accurately for many years; and the time, labor, and space required to create and store recorded programs has been considerably lessened.

Award Presented

Another highlight of A.I.E.E. proceedings at Armour during the past two weeks was the award of a year's paid membership to Al Veras, President of Armour branch. This is awarded each year to the student deemed by the branch members to be most outstanding in scholarship and in service to the organization.

Komarewsky Talks About Catalysis at Graduate Lecture

"Catalysis" was the subject of Professor Vasil I. Komarewsky's talk last Friday morning, in the Electrical lecture room, the third lecture in the spring graduate series.

Tracing the history of processing of oils to obtain gasoline, Professor Komarewsky explained that the original process of obtaining oils was distillation. By means of distillation, one could extract 20 to 35 percent gasoline from crude oil, at an octane rating of about 50. Then came oil cracking by which as much as 50 percent crude oil could be converted to gasoline of a 70 octane quality.

Improved Methods

Not satisfied with this, Ipatieff, famous Russian chemist and expert on hydrocarbons, together with Professor Komarewsky and others were brought to this country by Universal Oil Products to improve the process of refining oil by chemical methods. By using catalytic agents, beginning with sulfuric acid, then using phosphoric acid, and graduating finally to more expensive catalysts such as platinum and palladium, they were able to convert finally practically 100 per cent crude oil to 120 octane gasoline.

Cracking Defined

The octane rating of a gasoline is defined in terms of the knock properties of the gasoline. The interest in high octane gasoline has been due primarily to the demands for it by the aviation industries. By a further refinement of their technique, the chemists hope to convert a greater percentage of crude oil into gasolines of even higher octane ratings.

The gasoline now obtained consists of various grades, only some of which have octane number 120. Refining oil processes consist essentially of the following steps after cracking: 1) polymerization, a process whereby the number of atoms of each kind in a molecule is increased by an integral factor; thus when one goes from a molecule CH to 2CH and 3CH; and 2) Dehydrogenation, whereby hydrogen atoms are removed from molecules and hydrogenation where hydrogen atoms are added to molecules.

POWER CONFERENCE—

(Continued from page one)
The afternoon will feature an interesting inspection trip to the Electro-Motive Corporation, subsidiary of General Motors, at LaGrange, Illinois. The Conference will be climaxed by a smoker at 8:00 p.m. Wednesday which will feature motion pictures of the Anaretic Snow Cruiser. Dr. Poulter, director of the Research Foundation of Armour Institute, who accompanied the cruiser to the South Pole, will speak if it is possible for him to attend.

A large attendance is expected at the conference from the industries which are concerned with power production or transmission. Students and faculty of engineering schools will also be present.

To encourage attendance by the students of Armour Institute admission will be granted to sessions and discussion groups without the presentation of a registration fee unless the men desire copies of the printed proceedings. Realizing the importance of the conference to seniors, the department heads have arranged for classes to be adjourned to permit attendance as follows: senior mechanicals, Tuesday, all day and Wednesday all morning; senior electricals, Tuesday, all afternoon; senior chemicals, Wednesday, all morning; senior civils, Wednesday all morning. The senior fire protects and science students will not have any classes adjourned, but students especially interested may attend by individual arrangement with instructors.

CO-OP NEWS—

(Continued from page two)
finding it very interesting. Most of the credit for making these Co-ops sit up and listen attentively is due to Prof. Larkin who is an excellent speaker. Unfortunately, Prof. Larkin was only filling in temporarily for Dr. Davy who returned from the east at the end of the week. The first session with Dr. Davy ended with the class well satisfied. There seems to be no possibility of the class falling asleep in this course (a peculiar characteristic of most non-engineering subjects. Certainly we have need of more courses in economics and English than we now get.

This spring weather has a devastating effect on the fellows. As a result, the honorary somnolent fraternity, Gotta Koppa Snooz, is pledging more candidates than at any other time in the year. We can only mention a few of the more outstanding pledges, being pressed for space. Bert Nelson 5B, Boardman, Haneman, Swanson, Cavanaugh, Reider 4B'sc. Of course, Dan Stone 4B is still maintaining his championship form and it is considered probable that he will soon displace Walter Hutchings 5B as president.

Remarks from the first baseball practice indicate that the boys need plenty of practice and liniment...

Dr. Tibbals Presides At Meeting of Deans Conducted at Lewis

Last Saturday, at Lewis Institute, the Fifth Annual Meeting of the Illinois Association of Deans and Advisors of College Men was held. Attending the meeting were about fifty men representing the leading Colleges and Universities in the state.

A full day's program was presented for the deans. In the morning Doctor J. A. Melrose, professor of psychology at James Milliken University presented a paper on "Factual Approach to Counseling."

Dean Speaks

After a luncheon, the program continued with speeches by W. E. Lyman, Director in Personal Adjustment at Northwestern, and Dean Fred Turner of the University of Illinois. The meeting, which had started at 10 in the morning, was adjourned late in afternoon.

Dean C. A. Tibbals of Armour Institute of Technology presided at the meeting as president of the association. Other officers of the association are Dean C. L. Miller of James Milliken University, secretary, and Dean Emerson of Wheaton College, is vice president of the organization.

Besides Dean Tibbals several other members of the Armour Personnel Department attended the meeting. Included in this group were several of the freshmen advisors.

Potter To Speak To Symposium On Electronic Theory

Friday, at 10:10 A.M. in room 114, Chapin Hall, Prof. J. G. Potter will present a talk on the introduction to the theory of electronic work functions and an illustrated description of some of the methods and techniques employed in them. He will especially emphasize experimental investigation of variations with temperature in high vacuum.

Prof. M. B. Reed, recently delivered a talk to the Seminar on Research in Electricity and Electronics on "What Can Be Done With Matrices in Electric Circuit Analysis."

Prof. Reed first discussed the five fundamental electrical laws and then pointed out how matrices arise in the study of electricity. Algebraic matrices are shorthand symbols for systems of linear equations. Matrices are used wherever a complex network may occur, and it takes out the cut and try method of solving network systems.

PHOTO RECORDS—

(Continued from Page One)
cards. This provides an accurate record, since if a man was there he will be in the picture. It is expected that this will abolish a great deal of friction over this matter.

STEAM SHOVEL—

(Continued from page two)
car, etc., etc., he decided to go back... nuts... Weehr's version is sorta different)... in that connection what soph spent a Saturday afternoon helping Elly with descript?...
Salzman's latest addition to the famous last word series... I came down to see Mr. Krebbiel, didn't I Francis... Oh yeah!... the A.A.S. meeting saw eight dozen big (and heavy) doughnuts disappear... Schneider principal offender... Gittelson trying to find out how to meet the Art School gal's from Pehta, as if he would know, but as Dodge would say "Why"...

D. W. Hayes 4B has been taking vocal music lessons for some time now at an exhorbitant fee. So don't be surprised when D. W. invites you to a recital at some future date. Remember, we warned you... The advanced calculus course is now half over. The fellows will resume their integration, etc., in October... Carl Swanson 4B would like to see his engagement announced in this column similar to announcements made here last term, but he lacks the young lady... B. J. Nigrelli and W. S. Hutchings, 5A's, were pledged to Honor A Friday night Congratulations!

Busiest Cigarette in the Country

...that's Chesterfield



Miss Aasta Pedersen
... the smiling hostess who welcomes guests at one of New York's most famous hotels. She will tell you Chesterfield is the busiest cigarette in the place.

Going "two packs at a time" because Chesterfield is today's definitely milder, cooler-smoking, better-tasting cigarette.

These three qualities—MILDNESS, COOLNESS, TASTE... are the sum and substance of real smoking pleasure. You enjoy all three in Chesterfield's right combination of the world's best cigarette tobaccos.

At over a million places where cigarettes are sold you can see these clean white Chesterfield packages going into more pockets and more handbags every day. All over the country smokers are finding out you can't buy a better cigarette.

Chesterfield

Today's DEFINITELY Milder, Cooler-Smoking, Better-Tasting Cigarette