



New Courses For Science Students Give B.Sc. Degree

Math, Chem, and Physics Fields Provided

For the first time Armour is now offering to undergraduates a course in science which leads to a degree of Bachelor of Science. Students who are working for such a degree may elect to major in mathematics, physics, or chemistry. Previous to this year only engineering or architecture degrees were awarded. The present course has been substituted for the Engineering Science program, now discontinued. The new arrangement is especially designed for those students who are interested in the fields of pure science rather than in engineering, but who appreciate the rigor and thoroughness of the engineering curricula. Instead of the more specialized professional courses which are usually given in the third and fourth years of the regular program, advanced training in basic science is offered. A large number of elective courses in language, literature, and the social sciences are part of the new curriculum.

Changes in Chem. Dept.

Changes have also taken place in the section of chemistry. Freshman courses are now in charge of Dr. M. J. Murray, his predecessor Dr. Manley having transferred to the Research Foundation. Other men added to the staff, are Bruce Longtin, who teaches physical chemistry, and Melvin Schultz and Hugh J. McDonald who handle beginning chemistry. New subjects now offered are *Advanced* (Continued on page four)

J. Wheeler '97 Comes Back to Visit Armour

"Yes, its the same old Building," were the words of a small grey-haired negro visitor at Armour last Wednesday afternoon. It was a representative of the class of '97 talking, for the old man was John J. Wheeler, M. E. '97 come back to the college of his undergraduate days. Upon questioning by a member of the staff, it was found that Mr. Wheeler, a retired school teacher on pension, was back to get some information from the Alumni Office.

Strolling through the halls, pictures of the class of '99 were approached. "Why there's the man who beat me in the 440," exclaimed Mr. Wheeler. "Boy, those were the days. There weren't as many students as there are now and did we whoop it up. Why, the city limits were at 39th street and the elevated hadn't been built yet," chuckled Mr. Wheeler, when asked of the changes he noticed.

Former Job Situation

When asked of the job situation Mr. Wheeler said, "It was good in those days. Of the twenty-one graduates in our class we seemed to do all right. Why, Professor Perry was a classmate of mine. When I graduated I got a job as clerk on the Illinois State Board of Examiners of Architects," explained Wheeler. "In those days the Architects were made to pass an examination before practicing. I then became an instructor of Machine shop at the Douglas High in Baltimore. I then taught Forging, Mechanical Drawing, Chemistry, Physics and when the Head of the Science department resigned I became Head and remained for 17 years. Been teaching all my life. I had to retire because of deafness and lameness in my chalk writing hand."

"You know that big Corliss engine in the engine room? Well I used to wipe the dust off it every morning and fill it full of oil. You see I got a two term student assistantship for doing that." Mr. Wheeler took leave of the reporter exclaiming, "I want to see the Mission. I read about it and don't want to miss it."

McCormack Greets A.I.Ch.E. Members

Mr. Harry McCormack inaugurated this year's series of A.I.Ch.E. talks with an address on "Opportunities in the Chemical Engineering Field."

His talk dealt chiefly with the types of jobs, the possibilities of advancement, and the range of salaries that a man in the chemical engineering field may expect. Mr. McCormack's talk sounded the keynote of the organization, as contained in the constitution of the A.I.Ch.E.—"The objective of this organization is to clarify for its members the nature of the chemical engineering profession and the various duties of a chemical engineer by its investigation in the field of chemical engineering."

In fulfillment of this objective the officers have prepared a list of well-known speakers who, with their years of experience, will have a clearer and more concise picture of the specific types of work that a graduating chemical engineer can expect. The list to date includes such men as K. M. Watson, author of *Industrial Chemical Calculations* familiar to most chemical engineering students, and Carl S. Miner of Miner Laboratories. (Mr. Miner's talk will be especially pertinent since he is a graduate of Armour.)

Ask Student Opinion

The selection of a number of other speakers is pending the results of a questionnaire to be distributed by the Armour branch of A.I.Ch.E. Answers to the questionnaire will determine the type of speaker and the exact type of information desired by the members.

While the talks will be of an engineering nature, they will not all be of a technical nature. Several of the lectures are to cover subjects of more general interest while still following the aims of the organization.

Membership in the American Institute of Chemical Engineers and attendance of its lecture series is open to all sophomore, junior, and senior students in the Chemical Engineering option.

The second in the lecture series is scheduled for Friday of next week. The speaker, place, and time will be announced later. All men who feel that they have an interest in the type of discussion to be given are invited to attend.

Musical Clubs Want New Men

If you can toot a horn (yours or otherwise), you have a date this afternoon at 5 p.m. with director O. G. Erickson of the Armour Institute of Technology Symphony Orchestra. Mr. Erickson is especially anxious to fill in his violin and cello sections, although other instruments are sought. The orchestra meets every Tuesday from 5 to 6:30 p.m. in the Student Union Auditorium.

Plans are being made for a social engagement at the Pestalozzi Froebel Girls School in the near future. Dancing and refreshments are being offered by the girls.

Enlarge Orchestra

According to Mr. O. G. Erickson, this year's orchestra will be larger and have a greater repertoire than in the past. The orchestra has lost only a few men through graduation but has many prospective new members.

Among the engagements for the first part of the year are the dedication of the Snow Cruiser in Grant Park during October, the meeting of the Midwest Real Estate Board and banquet at the Stevens Hotel in November, and the Art Institute concert during the first week of December.

Accent on the 'Home'



Introduce Huntly At Civil Meeting

An introduction of new additions to the faculty was made to student members of the A.S.C.E. at their first meeting of the school year, in room 2-W, Student Union. George Hanna, president of the society, opened the meeting with an explanation of the purpose of the A. S. C. E. and of its program for the year. He then introduced Prof. Philip C. Huntly, new departmental head, who gave a short statement of conditions as existing and of his intentions and leanings, as head of the department.

Introduces New Men

Prof. Huntly then introduced Profs. Penn, Eliassen, Marin, and White, in that order. Prof. Penn stated the requirements for membership in Chi Epsilon, honorary civil fraternity. These are: one must be in the upper one-third of the senior or junior class, active in extra-curricular activities, be personable, and be voted in by existing members of the fraternity.

Hanna stated that several prominent men in the various engineering fields would be brought in to speak at subsequent meetings. He also said that dates would be reserved for student speakers to give short talks and that freshmen of all courses would be welcome at the meetings.

Menger Leads Math Seminar at Armour

Sponsored by the graduate division, a seminar in mathematics is being held every other Saturday here at Armour. Karl Menger, internationally known mathematician and foremost authority in the field of mathematical economics will deliver a total of eight lectures in which applications of calculus to economic theory will be developed. Professor Menger, who is now with Notre Dame University, has also taught at Harvard University, the University of California and Rice Institute. As Professor of mathematics in the University of Vienna several years ago, he conducted a seminar with Viennese economists.

Van der Broek Talks

Lectures on applications of mechanics by another visiting professor, J. A. Van den Broek are being given Wednesday evenings in the W.S.E. rooms, Engineering Building, 205 Wacker Drive. Topics covered will be the *Theory of Limit Design* and the *Theory of Elastic Energy*.

Outside men who are interested in taking these advanced courses are especially invited. Although the lectures started last week, it is not yet too late to enroll.

New Book List Announced By Library Staff

Many new titles and new editions of various technical books have been added to the library during the summer and are now on the shelves ready for circulation. A complete listing of all of the new books can be had from the library. The subject matter of the new books ranges from the latest in electronics, phase rule, and magnetism, to the most recent developments in mathematics, professional writing, time study and public utility regulation. Aerodynamics, highway engineering, electroplating, mental tests, engineering economy and photo-electric cells are all represented in the new editions of books already in the library.

Some New Fiction

In the fiction field the most widely discussed of the new books is "Grapes of Wrath" by John Steinbeck, the story of a family driven from South Dakota by the dust storms and large scale farming to California, where they wandered, living a gypsy life of extreme poverty.

Others not quite as well known are Ayde Biron's "Nebraska Coast," the story of the life of a pioneer family going from New York to Nebraska and their struggles in becoming established.

"Three Harbors" by Francis Van Wyck Mason is a revolutionary war story of the harbors of Massachusetts, Bermuda, and England. It deals with the sea-going people of each of the ports and their lives in the period just preceding the war with emphasis on the doubts in minds of the people of Bermuda as to whether England or Boston would be victorious in the war.

New Transmitter To Be 'Aired' Soon

Officers of Rho Epsilon, Professional Radio Fraternity, announced last week that their newest transmitter will be on the air soon. The old 100 watt transmitter is now being used to transmit news to the stations in the "National Intercollegiate Press Association" throughout the country, and the new one, when completed, will enable Armour's unit to be the key station of the N.I.P.A. in the Middle West.

Code classes will begin soon for those men interested in acquiring an amateur license. These classes will be conducted by E. J. Bauer in the near future. It is essential that program cards of all interested amateurs and radio men be given to the officers of the fraternity by October 3 at the latest.

Movies of Snow Cruiser Shown To Mechs at A.S.M.E. Meeting

Schommer Begins A New Series of Freshman Talks

In connection with the orientation of the freshmen, the dean's office has announced that regular assemblies are to be held not less than every other week on Friday during the free period. The meetings are so arranged that they will coincide with the meetings of the engineering societies in order to provide the meeting hour with an event for the first year men.

At present the assemblies will be sponsored by the Armour branch of the W.S.E., who will present speakers from various fields of engineering. It is hoped that, through these lectures, the freshmen will have some insight into the field of engineering that they choose to enter.

Though the meetings are not compulsory the new men are expected to attend.

Addressed by Schommer

Last Friday the first meeting of the series was addressed by Prof. John J. Schommer. The subject was "Why are you here?"

Elaborating on his title the speaker said that students come to school to get an education. This education is the process of becoming a gentleman and a scholar. As a bit of good advice athletics was recommended as an extra curricular activity to give the student a sense of law and order, the ability to cooperate and take orders, and to be a blocker as well as a ball carrier. There are three things the student must especially watch in his development, namely: scholastic standing, extra curricular activities and past work experience; these being the points that are most highly evaluated by many employers.

Emphasizing these points Mr. Schommer closed with another question, "What are you going to do about it?"

"Eye" Begins Season with New Officers

Officers for the new year were elected and installed at the two hour meeting of the Armour Eye, last Tuesday. To Peter Stanley went the position of president, J. Rummel was made vice president, E. Newhart, secretary, W. Wilson, treasurer, and D. Crego, vice president.

After accepting the office, the president outlined the plans of the club for the remainder of the year. At the monthly meetings, speakers chosen from prominent men in their field will present material on subjects closely allied to photography. The facilities for member's study of color, still life, commercial, and portrait photography will be extended as a part of the new plans.

Have Traveling Salons

Within the last week, the Armour Eye has become a member of the Associated Camera Club of Chicago. The photographic salons of different camera clubs in this region will be available for display and will be shown from time to time. During the year, it is planned to move frequently Armour's two travelling salons. During this summer, one of these was exhibited at the Horace Mann High School in Gary, Indiana. This group was composed of the fifty best photographs selected by the public from those on display at Open House last year.

New men in the club are: J. Wagner, P. Huggins, B. Swanson, H. Toussaint, R. Meagher, R. Jensen, J. Golden, and R. Jacobsen. All men interested in this type of work are invited to come up and see the quarters of the club. Its two dark rooms are completely equipped and the studio has recently been refinished.

Vatborg Appears Before Group As Guest Speaker

Showing the first movies of the new snow cruiser, Mr. Vagborg of the Research Foundation appeared before the A.S.M.E. as the guest speaker at a meeting last Friday morning in Science Hall. President Robert Scott presided over the meeting, the first of the year.

The snow cruiser movies were the last in a series of three films shown in connection with the lecture on research work given by Mr. Vagborg. Stressing the fact that a great deal of invaluable work has been done in this field by schools and various institutions during the past few years, he explained the various ways in which research foundations of the various schools, affiliated with industry, have aroused greater interest in research during the past decade. He went on to say that the schools have an advantage over industrial corporations in that the corporations have men specialized in only one field, while the schools have specialists in many fields who can interchange ideas on the product under examination, offering a flexible, all-embracing research program.

Show Movies

He illustrated the methods of modern research with two movies of the Armour Foundation Laboratories, one of which is now being exhibited at the New York World's Fair by one of the firm's having work done.

Featured was an exclusive preview of the first movies of the snow cruiser ever taken. The first reaction of the audience seemed to be surprise at the immensity of the cruiser which almost blocked out the pullman car against which it was photographed. All the details of construction which have aroused so much interest were readily visible as well as the mammoth tires and rims, which each have its own winch which reduces tire changing time to 45 minutes. As a point of interest Mr. Vagborg pointed out that the pullman car had been placed in front of the cruiser to cut off the view from the throngs who were crowding around and interfering with the work.

Van Pelt Speaks On Engineering

"What Is Expected of the Engineer" will be the subject of Mr. J. R. Van Pelt of the Museum of Science and Industry at the first meeting of Armour's branch of the Western Society of Engineers next Friday morning at 10 o'clock.

Mr. Van Pelt, having an extensive background in the field of engineering, is popularly acclaimed in all engineering circles as a speaker. Friday's meeting will be open to all Armour students as the subject under discussion is of importance to all engineers.

Officers of the W.S.E. met with representatives of the other Armour student engineering societies to plan the activities for the coming year. The group decided that WSE meetings will be held approximately once each month, and that at each meeting there will be a prominent speaker from one particular field. Freshmen are urged to attend these meetings, at which it will be possible for them to learn first hand the type of work engineers of every field are engaged in.

NOTICE

Any men who wish to write in the sports or editorial department of the Tech News are requested to come up to the office, first entrance Chapin, third floor, after 5 o'clock this Friday.

Armour Tech News

Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
3300 Federal St.
CHICAGO, ILLINOIS
Published Weekly During the College Year

1939 Member 1940

Associated College Press

REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.
College 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

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Vol. XXIV. Tuesday, October 3, 1939 No. 2

What About the Undergraduate?

For the past several years, we of the undergraduate body, have noticed a gradual change in the general policy of the Institute. Armour Tech formerly was entirely an undergraduate school. Two years ago a development program was decided upon, in order to build up a graduate school. Several new faculty members, prominent in their fields, had been secured to develop new courses. A planned program for the expansion of the school to make use of the new faculty was undertaken at the same time. This program has succeeded so well, that the enrollment of the school has increased over fifty per cent in the past few years.

This is all very well and good but it is evident that these changes have taken place at the expense of the undergraduates. The rapid expansion of the student body has resulted in the use of every bit of available space for classrooms. In addition class schedules have been revised so that every hour between eight in the morning and five in the afternoon is used for classes, and a common lunch hour abandoned.

With the present set-up, all rooms used by honoraries have been turned into an integral part of the mind-factory. The absence of a common lunch hour has played havoc with the calling of small meetings and the scheduling of an intramural program.

A great many graduates have gone forth in the past few years with the following blanket opinion: "An Armour man is a good engineer, but as a social man?" Now, we don't advocate making a tea-hound of the average graduate, but we do say that a college student should be familiar with the ordinary amenities of life.

A few years ago the school regularly sponsored a series of talks by prominent leaders in fields other than engineering. For an engineer to speak intelligently it is necessary to know something about politics, books, and yes, even music and art. Why can't something be done to revive a similar program?

There are a few organizations at Armour that have endeavored to foster the general tenor of a liberal education. They started with all of the good intentions in the world, but because of a lack of support at the present time their effect is practically negligible. The present system must be modified in some way to enable the gradual return of some of the, so often called, finer things of life.

This cannot be done by the student alone but requires the active cooperation of the Institute. Armour is slipping into the classification of a mind-factory. It is not too late to change now. It may be important to know that a structure may fail under the effects of induced stresses, but it is also important to know that Kreisler is a violinist and not a form of indefinite integral.

"The Slipstick"

Cleave to "The Slipstick"; let
the Slapstick fly where it may

Having found such a new and appreciative following it becomes a great pleasure to again present for your gratification and elucidation some choice bits of literature. We have been formally informed that henceforth the study of this column for one semester shall be considered equivalent for credit in English 000001. This course is required of all students having an I. Q. rating of 6.7-8 or lower and is optional for all other morons at the Institute.

*They pointed him out on the campus
As a classic example of sin,
The man who failed in his learning,
For he couldn't tell whiskey from gin.*

*He never was seen at the places
All good Joe Colleges go
In fact, they say, when a sophomore
He invited a girl to a show.*

*No pipe stuck in his manly mouth
From his lips burst no sooty song
He was known from student to student
As the senior who went wrong.*

Eleanor: Do you know the things they've been saying about me?

Hi Yo Silver: That's why I'm here.

A certain absent-minded member of our esteemed faculty sorta' liked to get together with some of the members of his calc class and play cards in the Student Union. It was agreed that each player should start by putting ten cents in the "kitty." All did so with the exception of the prof.

Although he was known to be absent-minded the students were not going to let him get away with that, but not liking to tell him directly they pretended to argue among themselves as to which of them had not paid his stake. The professor listened for a moment or two, then quickly withdrew one of the dimes from the "kitty."

"If you young men are going to quarrel," he said, "I'm going to take my money back."

Me: Then you're not angry because I'm sharing my love with your beautiful roommate?

Her: Not at all. It's been fun halving you.

She: How do you like my new dress?

Me: I can't tell until you get up from the table.

The theatre was crowded and a devoted couple had been forced to accept single seats. The young lady didn't care at all for the arrangement and tried to remedy matters. It had occurred to her that their neighbor might be willing to exchange seats with her fiancé.

Accordingly, she leaned over and whispered: "Pardon me. Are you alone?"

The meek little man gave no sign of having heard, so she repeated her question a little louder. Still no answer, and she tried again.

At that, the little man turned slightly toward her, keeping his eyes upon the stage.

"Cut it out," he whispered savagely. "My whole damn family's here."

SLOGANS

"Four Out of Five Have It"—but the professor is watching and they can't use their ponies.

"Dated Package"—any good looking coed dated by an Armourite.

"Covers the Earth"—the bull tossed by the Senior Chems.

"The Flavor Lasts"—the kiss of an Armourite.

It used to be that the first man out of a fraternity house was the best dressed—now he's the only one dressed.

He knocked at the door of my room.

"May I come in? It's the room I had when I went to college in '90," he said.

I invited him in.

"Yes, sir," He said, lost in reverie. "Same old room. Same old windows. Same old furniture. Same old view of the campus. Same old closet."

He opened the door. There stood a girl, terrified.

"This is my sister," I said.

"Yes, sir. Same old Story!"

A prayer by a small boy: (Via the Republican Party).
"Thank Mr. Roosevelt for the bread we eat;
Thank Mr. Roosevelt for the meat we have;
Thank Mr. Roosevelt for a place to sleep."

"Hey, Dad, who am I going to thank when Mr. Roosevelt is gone?"

The father replied, "Thank the Lord, son."

Co-eds Prayer

*Junior or Senior, Freshman or Soph,
Young instructor, or wrinkled prof:
God send something wearing pants
To take me to the next Armour dance.*

Marion: What are your views on sex?
Sid: Boy from here, they're SWELL!!

Before we say good-bye until next week, don't forget to do your good deed or you won't go to the Proper Place. We know that the night club owner who put in a midge fan dancer for the benefit of the customers under the tables has made the honor roll for the week. Let's hope you can make it the next time.

HI-YO SILVER.

CO-OPS

The two weeks of school left to the Coops before they return to work will see a lot of activity as preparations for a number of projects (including final exams) get under way. . . .

The course in Advanced Calculus will begin the first week of the approaching work period. Class will be held in the evenings twice a week. Coops are urged to think seriously of this opportunity of expanding their knowledge.

We have all heard, time and again, that engineering students lack the polish and poise in everyday matters that is so characteristic of the liberal arts student. The engineer can talk fluently of integrals and stresses but is tongue-tied when it comes to discussing drama, politics, or literature intelligently with people whose friendship is vital to his own success. Books are a great help in bridging this gap between the mere technician and the well rounded executive.

With this thought in mind, Professor Lease has worked out a plan which is intended to encourage more reading of worth-while books by Coops in their spare time while at work.

Briefly, the idea is this: The student will select from an approved list a few of the books he would like to read. He will read these during the eight week work period and present written reports on each. Regular English credit will be given depending upon the amount of work done. No limit will be set. The fellow who does more work will receive more credit. Professor Hendricks has kindly agreed to supervise the project and will meet with those fellows who are interested within the next week.

Sophomores, Pre-Juniors, and Juniors! Our professional career should begin with a membership in the A.S.M.E. Now is the time to join as the fiscal year starts on Oct. 1. . . .

The Junior class gathered for a picnic at Cantigny Woods on Sunday. A good time was had by all.

Shades of Yesteryear

Headline:—"300 Students in Class Rush Riot Start Car Panic" . . .

"Armour Freshmen and Sophomores Elude Police and Hold Revel on Midway." . . . "Three hundred freshmen and sophomore students of Armour Institute of Technology last night smashed windows in crowded street cars, throwing passengers into a panic, stopped other cars and pulled the trolley pole down and raised havoc in general in a triumphant midnight march from Thirty-ninth street and Cottage Grove avenue to the University of Chicago campus. . . . A far different story would have been written had the students carried out their intention of holding the class rush on Ogden Field, at Thirty-third and Armour avenue. This is where Dr. Gunsaulus, president of the Institute, was told it was going to be held. . . . Dr. Gunsaulus had five patrol wagons and fifty policemen waiting at the field. But the students decided differently. They marched down Cottage Grove avenue to 57th street, breaking street car windows and pulling down trolleys en route, then turned east to Jackson avenue, then south to the Midway and then east to University avenue. After leaving Cottage Grove avenue they pulled up small trees and tipped over everything movable, at the same time arousing residents with class yells."—From press clipping published in Cycle of 1914.

The Wise Senior
"You are wise, honored Senior," the Freshie said,
"And your brain with facts is stuffed tight;
Yet you skip recitations by dozens and scores,
Do you think that is really just right?"
"When young," this vain Senior replied to the Frosh,
"In hope of improving my brain, I went to each class—but I now know so much
That I skip them again, and again, and again."
—The Integral, 1909
(Continued on page four)

STEAM SHOVEL

After that blowoff of last week (something of a record, whether you liked all the items or not), we're going to take it easy this week. And did a couple of items raise a furor, though! One hour after the paper was out, one instructor who had been put under our microscope rushed into the News office, and demanded . . . well, demanded . . . three copies sent to his three relatives.

Another "victim," as listed lower in the column, sent in a violent letter challenging us to meet him on the field of honor if we did not retract the item and print what he called the real truth. Okay, he asked for it, so we'll give it to him . . . swords at thirty paces.

A third "victim," PROF. LARKIN, cannot be intimidated. He still wears those flaming red ties, the "eye-holders" of the class.

The Cincinnati Reds finally won a pennant, much to the consternation of "Gabby," and so John Allen, who formerly worked in the boiler room, could not resist coming back to his past haunts here at Armour and crow at all those Cub fans. Well, he had been talking of nothing but the Reds for the last two or three years, so it's about time something came along to quiet him. If the pennant doesn't quiet him, the Yanks will by "etherizing" their National league "opponents" the same way they did the Cubs in '38.

No wonder a great number of the would-be pilots have high blood pressure, according to DOC. McNAMARA, what with most of the fellows climbing 101 steps before taking the exam.

It has happened again. LLOYD NORKUS, for the fifth time in two years, has lost his heart to a little filly. The young creature this time answers to the name of BILLIE MAYER. If anybody is interested, the phone is Sag. 8844.

With a little pestering Mr. Oldenburger, Math prof, could be persuaded to let you see some of the candid poses (he has some wows) the students have caught him in.

If there is a good guitar player hanging loose around the school, TED GEOMAK wants to snap him up right away. Ted, who can really twang those strings in his own right, wishes a third for the novelty trio of HERB HANSEN, Gromak, and I.

"Doc" (Halfstoop) Catlin is back again, and this is a good one. He has bet three dollars with Winkler that he won't spend a cent on a girl until next June, and that he won't even go over and see his girl friend till next Thanksgiving (whatever that is), let alone spend a nickel calling her on the phone. Poor "Doc." He can't even go to the Rialto, because that would be spending money on women!

What incentive prompted Prof. Billy Goetz to reverse the alphabetical seating order of his freshman economics class?

P.S.—Wonder if it could be that two of the new coeds have names beginning with "S" and "V."

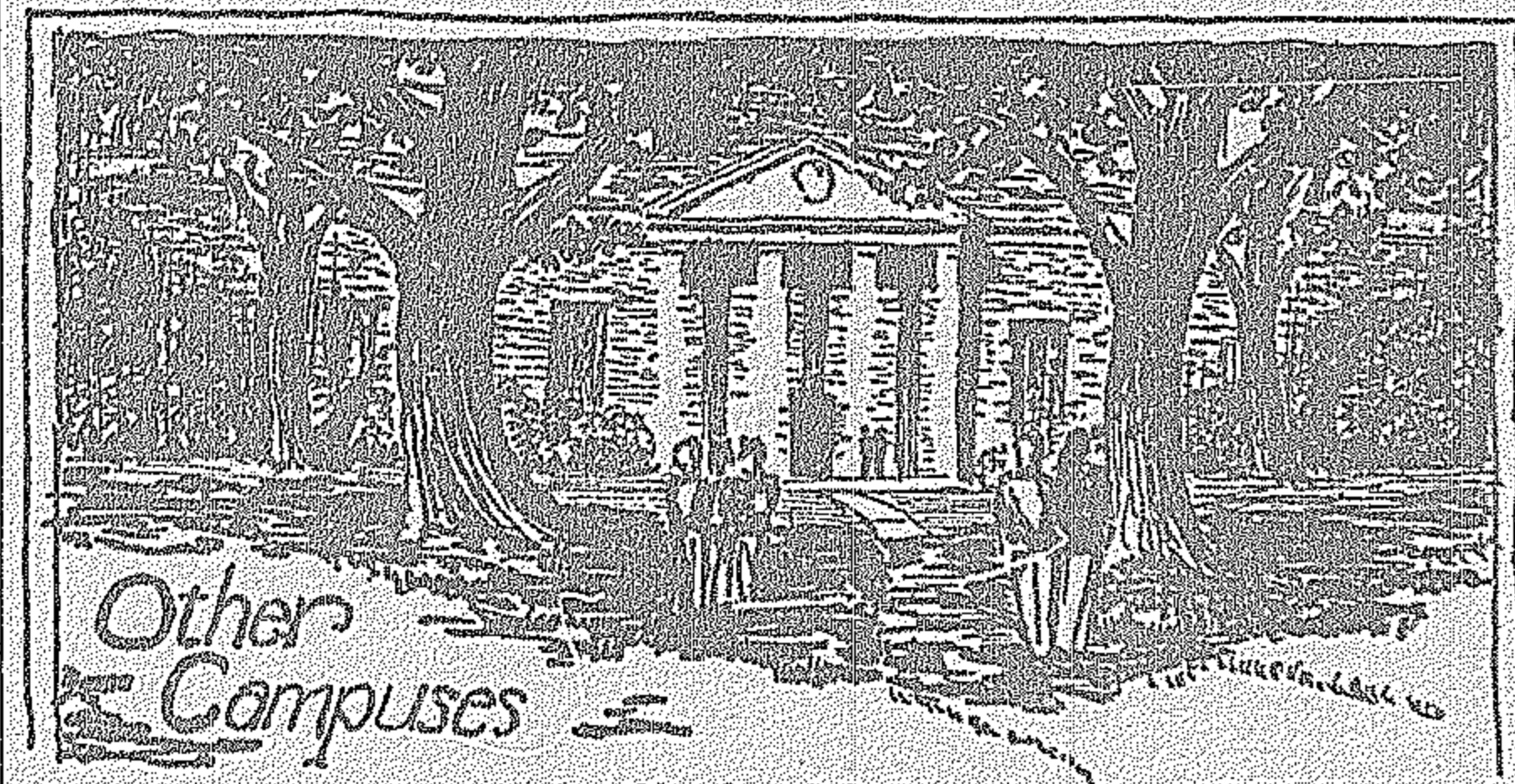
Editor Attention:

"I have been insulted!!! I demand a retraction of your statement of Tuesday last that I went with a 'fugitive from a rail fence.' I grant that she was a fugitive from a picket fence, but not one of the rail variety. I would appreciate it greatly if you would clear up this matter as soon as possible with a correction in the TECH NEWS or I will demand satisfaction on the field of honor."

Sincerely yours,

Roy Edgar Jacobsen.

"Railbird" Buck Donoghue (note above article) is the joy who was escorting above "rail fence" much to the pleasure of R.E.G. Now we'll see what Buck has to say about it.



Charles Schultz

The Ides of September saw over a million and a quarter student turnout to their respective schools. Many are sent completely through by parental aid but the majority are not so fortunate for over 67 per cent either partially or completely pay for their education by their own earnings.

Join the Tech News

During the month of January, 1938, some 38,000 undergraduates were on the rolls of the National Youth Administration.

Write for the News

An enterprising student at Princeton earns his keep by peddling soft drinks and sandwiches through Pyne Hall during the evenings.

Prudent Students Join the News

Paul Lindars, president of the Board and Room Job Club at Washington U., recently worked several months baby-nursing one Fritz Berkenkotter to prove his point!

The marriage problem is nicely taken care of at Utah State Agricultural College and Brigham Young University where the newly-weds have thriving trailer colonies.

Use the News

Pacific College, Oregon, boasts "the lowest cost in the state of Oregon," their shining example being a chap entered with fifty dollars in his pocket and emerged with the original capital plus a diploma.

The News Relies Upon You

Emmet Deadman, University of Chicago, although entirely self-dependent while at school, was a waiter, caddie-master, campus correspondent for A.P. and holder of the chief editorial post on the campus.

Support the Tech News

The University of Washington has originated the Tolo dance, one of the so-called social phenomena of the depression. At a Tolo dance the coed pays all the bills; dinner, a boutonniere for the boy friend, a corsage, transportation, and the price of admission. The train fare to Washington is \$58.35!

A Reporter's Life is a Merry One

Filling the treasury at Pacific College takes in a prune-picking project which employs not only the entire student body but the members of the faculty as well.

Weissman Gets Record Turnout For Wrestling, Boxing; 92 Report

New System Installed For Wrestlers

Friday, September 29 marked an event of the uppermost significance in the athletic history of Armour Tech. This date featured the largest turnout of men for athletic competition in the many years of the school's sporting activity. Ninety-two men reported for the wrestling and boxing teams at a meeting held in the gymnasium.

Coach Sonny Weissman expects the total to swell to over one-hundred and twenty during the season. Competition will naturally be keener than in past years, and consequently the caliber of the squads is expected to be improved.

Tough on Wrestlers

This season major letters will be awarded in wrestling as was the case during the past semester. Boxing has not reached the status of a major sport and will not be honored with major awards. Much greater interest has been displayed in wrestling, over two-thirds of the candidates having reported for this sport. The following rules will hold for the awarding of major letters in wrestling:

- 1) A major letter shall be awarded to any team member who participates in every meet during the season.
- 2) A major letter will be awarded to any team member who wins a majority of the meets in which he participates, said number of meets to be determined by the coach.
- 3) A major letter shall be awarded to any team member who in the opinion of the coach has participated in a sufficient number of matches and displayed some winning form and winning spirit.

Challenge System Installed

All candidates for positions on the wrestling team will be rated by coach Weissman according to weight and ability. If any candidate desires to raise his rating he may do so by challenging the men in the position above his and fighting a bout under notice to the coach or manager. These bouts must be with advance notice and must be fought at least three days before any scheduled meet.

A great majority of the regular team is back for competition this year. Among those who have graduated are Co-captain Tullgren and McDaniels. No number one man's position is assured as yet, but the returning men will probably be favored for the posts.

Prospects Good

The new crop includes a high school state champion and a runner up. Most of the boys have competed in high school or with neighborhood clubs.

Boxers will be given special attention so that a school team will be formed which is capable of competing with other school squads. The best boxers will be given an opportunity to compete in the Golden Gloves and other citywide tourneys.

McGillivray Starts Men On Swimming Practice

As a sign that the swimming season is not far off, the first meeting of McGillivray's boys for the '39-'40 season was held last Monday. The conclave was conducted by the team's manager, Fred DeMoney.

About thirty men were present, some twenty being new men and the rest lettermen. The fact that many of the new men have had team experience makes this season's outlook seem very bright. Among the newcomers are Pearson, a Lane Tech teammate of Otto Jarret, and Sanders, transfer student from Oklahoma A. & M. The former does the 100 yard free style in about :56, while the latter swam two years varsity as a backstroke in the 150 yard event.

Although no meets have been definitely scheduled, practice will start this week in Bartlett pool at U. of Chicago. Under the expert guidance of coach McGillivray, the men will take their daily workouts from two to five o'clock every afternoon. The first meet will probably be held in the first part of January.

Basketball Card Released; Sixteen Games Scheduled

Although going into the season with the smallest Armour team in late years, Coach Stenger has carded the longest as well as the most appropriate Armour schedule in some time. Fifteen games have already been scheduled and another is planned to complete a well balanced program.

In contrast to other years when teams far superior and well as far inferior were met, this schedule contains only two games that might fall in this category. Chicago may be classed in the former and George Williams in the latter.

Trip to Grand Rapids, Detroit

In all other games the Techawks will be playing teams they stand a good chance of beating. Detroit University and DeSales University of Toledo have been supplanted on the schedule by Grand Rapids U. and Lawrence Tech of Detroit. These teams will be faced on the annual trip which this year will be taken from February 1 to 4.

Regulars on the schedule are Arkansas State, Lake Forest, De Kalb, Chicago, Elmhurst, and North Central, while Beloit is returning after a year's absence. Elmhurst and North Central will be played twice instead of the usual once this year.

Practise is scheduled to start on or about the first of November.

(Next Week—Prospects)

BASEBALL SCHEDULE

Tuesday—Frosh-Soph.
Wednesday—Junior-Senior.
Thursday—Finals.

BASKETBALL SCHEDULE 1939-40

When	Who	Where	Last Year We	Last Year They
Saturday, Dec. 2	Beloit College	There	—	—
Thursday, Dec. 7	Arkansas State	Here	37	34
Saturday, Dec. 9	Lake Forest	There	29	33
Tuesday, Dec. 12	De Kalb	There	36	31
Saturday, Dec. 16	Chicago University	There	11	48
Thursday, Jan. 4	Lake Forest	Here	45	54
Tuesday, Jan. 9	Grand Rapids U.	Here	—	—
Thursday, Jan. 11	Elmhurst College	Here	31	37
Tuesday, Jan. 16	Open Date	Here	—	—
Friday, Jan. 19	North Central	There	32	35
Thursday, Feb. 1	Grand Rapids U.	There	—	—
Saturday, Feb. 3	Lawrence Tech	There	—	—
Thursday, Feb. 8	Geo Williams College	Here	30	26
Tuesday, Feb. 13	Elmhurst College	There	—	—
Thursday, Feb. 15	Lawrence Tech	Here	—	—
Thursday, Feb. 22	North Central	Here	—	—



By Jim Fahey

May we be among the first to congratulate the new intramural manager, Frank Opila. Frank's got a job on his hands but if he handles it in his usual manner it will be taken care of in the right way.

This new job makes Frank the No. 1 man of the senior class beyond a shadow of a doubt. In addition to this, he is president of Tau Beta and managing editor of this sheet. He is also in the orchestra and has won a sweater award in track. Can anyone else claim such versatility.

Was very surprised when looking over the basketball schedule to see Elmhurst listed. If the Athletic department of that school should read this column, may we congratulate you on the magnificent display of sportsmanship you have shown after

our performance on the diamond last year.

See where Willie Kruse and Bernie Lyckberg nearly won the championship for their department in the Standard Oil Baseball League. Then they decided Willie was a ringer and disqualified the team from the semifinals.

You racketeers better get going and finish that tennis tournament or else you'll be playing in the snow.

Wonder why basketball and baseball don't get the turnout wrestling and boxing get. Must be that Weissman personality. Eh what!!!

Jesse Kremer, former manager of the Chemicals of '40, wants to wager that the Reds will win more games than the Cubs did in their two series with the Yanks. He's got takers but he won't give any odds. Shame.

In regard to the intramural manager appointment, did you know that it is the first time in years that the asst manager of the year before didn't get the job. That shows how high Opila ranks in the estimation of the men who count.

Fox Shoots a 74 to Lead Golfers Tourney

Sammy Bibb is happy at last. He held his fall golf tourney out at Cog-hill a week ago and to his supreme delight, several of the boys were in the seventies.

Low scoring honors went to John Fox, senior Architect, who had a well earned 74, two over par. Next in line, crowding Fox for honors, were Al Bredlau, sophomore Mechanical, with a 75; and Ralph Schmal, junior Co-op, with a 76. There was a 77 by Taylor, a 79 by Ahern and an 80 by Seig. Four of these men, Fox, Schmal, Bredlau, and Seig are regular team members from last season. Mel Korrell, the team's number one golfer, was unable to attend.

With such excellent material at hand the manager is working on a schedule consisting of several prominent universities and colleges. If enough good golfers are available next spring, a B-team will be formed and a schedule made up for it.

The manager also wishes to announce that the driving net is available up in the gym for those who are desirous of its use.

The tourney scores, in order of rank, are as follows:

John Fox, 74; Al Bredlau, 75; Ralph Schmal, 76-79; John Taylor, 77; Bill Ahern, 79; Harry Seig, 80-81; Paul Buercholtz, 80; Don Mackey, 81; Don Sunde, 82; Hal Malmquist, 82; Bob Shanley, 83; Bob Hull, 85; Jack Rider, 87; Bob Sundstrom, 87; Frank Lasker, 95; Sonny Weissman, 98; Carmen Basile, 98. * Played two rounds.

BEG PARDON

In last week's writeup on Grant Stenger, a few erroneous statements were made. Mr. Stenger did not coach at Naperville but at Wheaton. The baseball team record last year was six wins and seven losses instead of five wins and seven losses.

Bill O'Brien Is Reappointed as Frosh's Coach

Former Techawk Captain To Resume Duties

William P. O'Brien of Chicago will resume his duties this year as coach of the freshman basketball squad. Bill received his degree in Mechanical Engineering in the Armour class of 1938. He was co-captain of the cagers in his senior year, during which he carried much of the load. O'Brien was on the basketball squad for three years and was active in interclass sports for four years. During his freshman year, Bill acted



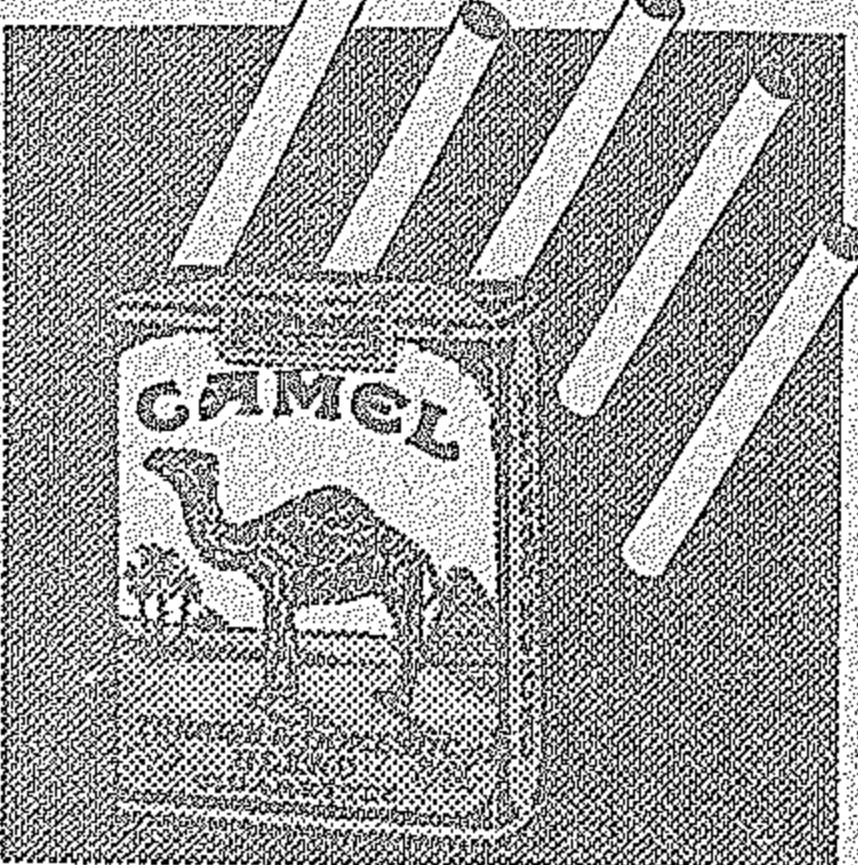
Bill O'Brien

as A.T.S.A. representative and in succeeding terms he was active in other organizations including Honor A.

Last year Bill had a small but fighting team. However, his team's fight did not quite make up for their small stature, and for that reason the freshman squad had difficulty winning ball games. But this year, with larger and more experienced freshmen in evidence, and with O'Brien's ability to handle the boys, the freshman squad should be an improvement over previous teams.

By burning 25% slower than the average of the 15 other of the largest-selling brands tested—slower than any of them—CAMELS give a smoking plus equal to

5 EXTRA SMOKES PER PACK



Here are the facts about cigarettes recently confirmed through scientific laboratory tests of 16 of the largest-selling brands:

1 CAMELS were found to contain more tobacco by weight than the average for the 15 other of the largest-selling brands.

2 Camels burned slower than any other brand tested—25% slower than the average time of the 15 other of the largest-selling brands! By burning 25% slower, on the average, Camels give smokers the equivalent of 5 extra smokes per pack!

3 In the same tests, Camels held their ash far longer than the average time for all the other brands.

Yes, those choicer tobaccos for which Camel pays millions more do make a difference! Camels are the quality cigarette every smoker can afford.

MORE PLEASURE PER PUFF—
MORE PUFFS PER PACK—

Penny for penny
your best cigarette buy

"With a cigarette as good as CAMEL, it's swell to get those extra puffs!"

SAYS LLOYD CHILD,
FAMOUS POWER-DIVE TEST PILOT

LLOYD CHILD at Buffalo Airport, scene of his recent world record power-dive—more than 575 m.p.h. in the Curtiss Hawk 75-A—pauses to give his slant on cigarettes: "I've smoked Camels for about fifteen years. I knew that they were the long-burning cigarette. That means more smoking for my money. On a pack of twenty, as those scientific reports show, it's like getting five extra smokes per pack. It's the right kind of smoking, too—mild and swell, cooler, non-irritating, better for my kind of steady, day-after-day smoking." Don't miss the fun of smoking Camels! Enjoy their matchless blend of choice tobaccos...while enjoying the economy of that long-burning feature that makes Camels "penny for penny your best cigarette buy."

CAMELS—Long-Burning Costlier Tobaccos



By Rudy Zoeliner

Perhaps the most important single problem facing the American Public—and in particular the American Youth—is the question of the Arms Embargo. What stand are we, as a neutral nation, to adopt? Should we sell arms and munitions to the warring nations? If we decide to, how will the belligerents pay for them? And how will the goods be delivered? If we decide against selling arms and munitions, should we also refrain from selling to the countries involved, any other vital necessities such as steel, copper, cotton, medicines, and food stuffs? If we follow this last course, what will be the effect of it upon our national economy, upon our standard of living and upon our political makeup? These are important questions which must be considered carefully before any final decision can possibly be made.

Middle-West Opinion

It was my fortune to discuss these questions with a large number of individuals in different parts of the Middle West. The people with whom I talked on these subjects were all people who, because of their occupations and positions, are extremely interested in the answer to the questions raised. A farmer in Indiana said to me, "I don't think that we should supply them with guns and airplanes, because that would prolong the war and might even help to get us involved into the mess. I do, however, think that we should sell them foodstuffs, medicines, and agricultural products because we had been doing that in peace time. We would not be changing our policy in any way and at the same time we would continue to keep our foreign markets."

Problems Involved

This attitude sounds fairly reasonable. Yet upon closer examination, flaws appear in the argument. How are these goods to be shipped? If they are shipped upon American vessels, what will our attitude be if one of our ships is sunk or even captured by any of the belligerents? And if they are shipped in the vessels of the belligerents, what will be our stand if both sides keep raiders and submarines stationed off our coast? No provision about the manner or method of payment for the goods was mentioned. Are we to give extensive credit as we did in the last war in the hope that someday, somehow we will be repaid? Or are we to trade only on the "cash-an-carry" plan? If this plan is adopted, what will we do with the gold—for gold we will receive as we will not be interested in building up a credit in any of the warring nations—after we have it? We—that is the government—is already embarrassed by its huge gold holdings; any great additions to these would only complicate the gold situation and might force many governments to abandon gold as the basis of their currency—in which case we may be left with tons of gold the value of which would be very small compared to the artificial value of today.

An Indian Idea

A small town storekeeper in Ohio offered this plan as a solution:

"Let's not sell them anything. Let's keep our noses out of their squabbles over there. They'll soon stop fighting when they realize we won't supply them with anything."

This suggestion, too, has its good points, but it also raises several questions. If we "hibernate while the boys fight it out over there" what will become of our foreign trade and the industries which depend in the main or to a large degree upon the foreign markets for their profits? How are we to know how long the struggle will last—after all did not the World War rage on for four years, before German resistance broke down because Germany could not get the necessary supplies to continue fighting? If this war lasts any length of time, can our industries remain entirely idle or barely moving without dealing our national economy a serious blow? Can we keep on piling up farm products surpluses because our Federal Government buys them up? These are questions which

must be answered before we decide in favor of isolation.

Salesman Talks

The other extreme was suggested by a traveling man. He said: "I think that its our duty to help the Allies in their fight against Fascism. Not that we should send soldiers over to help them fight, but to give them any other help we may be able to offer. If they (the Allies) can't pay for our help, well, then let them have it on credit, and write it off of our books later on. We'll be well paid if they clean up Fascism. After all, they're acting as a buffer for us."

Must Make Decision

In 1917 our national attitude was very similar to that of this man. But after looking back upon our hope of that day, we know that we were bitterly disappointed. We can, today, not be sure that the same situation that prevailed after the world war and up to the beginning of this war will not continue after peace has been made. We cannot afford to risk so much with so little reassurance that anything will be gained. And yet we must decide what course to follow.

Opinions Vary

These three viewpoints are representative of those which I heard expressed. They are the opinions of many people—people who have to make a decision soon. Perhaps that decision will not be along the lines of any one of these viewpoints; perhaps it will contain something of all of them. Nevertheless, a decision must be made, and when it is made, its effect will be felt for many years to come.

Legionnaires Bomb Stoopbrain in Loop As Hero of the Barn Attends Convention

Deer Sally,

Wel, az the barber sed tew hiz customer az he started in on him, quote—It won't be long now, unquote, and deer Sally, I stil feel like I've ben clipped, after that Legion convension laste weak. Oh, wat a tyme. I stil don't sea how thoze men got owt tew parade at 9 A.M., wat withe awl the ice bags piled on there heds.

Wel, yew woodn't believe it, but that parade lasted 12 howrs plus or minus—thiz expansion being allowed fore tyme standing stil wen the o-o-omph! girl road by. I don't sea how shea ever became a veteran, but I suppose shea got that way fighting—off the men.

Wood yew beleave it that thoze Legion men bombed the city—yes, and the bombs kept landing on ino-scent women and kiddies. Lucky they were only baloons filled withe water.

Cute little tricks the boys pulled whir tew try and make women step into panties they held in front of they're legs az they walked a'long. Golly, it wuz funny. This guy did it tew won women and then looked up withe a gasp az shea grabbed him by thea ear and sez, quote—Elmer, wear did yew get my best panties. I suppose yew'd like tew wear the pantz in thiz familie." With that shea dragged him off amid cheers.

I saw sum Legionnaires withe a horse in a hotel lobby, so I sez tew myself—why not and so I grabbed a policeman's horse and tryed the

same trick—and wat happened? Wel, the horse got his hed in won section of the revolving door, hiz body in the next section, and hiz tale in a third section. I got in the forth section and az the door whent round hea saw hiz tale tew sections ahead of him. Thinking it waz another horse hea set off at a gallop. Wel, I hav never run so fast in my life trying tew keep up withe my section az it zoomed around, and it wuz 15 minutes before that horse wuz convinced that the other horse culd run faster and gave up. Funny, so did the other horse. Wel, anyway, the hole affair increased my circulation.

Wel, az the prof sed: never marry a farmer's dawter, shea always wants a little mower.

Yures,

Stoopbrain Bliss.

Yesteryear

(Continued from page two)

Royal Order of Omega Vaselines
Alpha Chapter: Armour Institute.
Beta Chapter: Armour Tech.
Delta Chapter: A.I.T.

PURPOSE

Social relaxation and scientific research of the bar.

MOTTO:

'Twas hustle made them famous.

BY-LAWS:

Buy early and often.

GRIP:

Any old grip, but La Grippe.

—The Integral, 1909.

B Co-ops To Celebrate Term-End With Dance

On Saturday, October 14th, the B Co-ops will celebrate their term-end with a rollicking, fun-packed dance in the Student Union.

The committee has been bending all its efforts toward a completion of plans for the affair. Bill Bobco, pre-junior, heads the committee, and he is being assisted in his task by two members from each class. Bert Nelson and Milt Hawkins, juniors, H. Stryz, pre-junior, Ken Shearer and Clarence Shauberger, sophomores, and John Joerger and Richard Gentzler, freshmen, complete the committees.

Three orchestras are to be auditioned, and from one of these will come the music to which the Co-op will dance. Plans include extensive decorations in the Student Union for the occasion.

Bids will soon be out and may be had from committee members and class officers. The price will be \$.75 per, and bids will be sold at the door from 8:30 until 9:00 on the night of the dance.

Arx To Hold Their Dance At Shawnee Country Club

Armour's Arx will bring forth their best at the Shawnee Country Club Friday, Nov. 3, according to the latest reports of the committee. The orchestra for the occasion is said to be that of Correy Lynn.

The committee has been scouting the ground and promises to come with details as to location, facilities, price, surroundings, ways and means, etc. So watch for more!

NEW COURSES—

(Continued from page one)

Inorganic Chemistry by Mr. McDonald, Recent Developments of Organic Chemistry by Dr. Freud, Plastics by Dr. Manley, and Chemical Thermodynamics by Mr. Longtin. On next semester's program, the following additional subjects are scheduled: Qualitative Organic Chemistry, Chemistry of Surfaces, and Phase Rule.

Several special courses are being given by the mathematics department. Those students who take Theory of Equations with Krathwohl will learn why the trisection of an angle by ruler and compass is impossible, and how to solve cubic and quadratic equations instantaneously. Future financiers will do well to enroll in Prof. Bibb's Mathematical Theory of Investment. Dr. Ford urges all sophomores who have shown an aptitude in mathematics to take Calculus 209 instead of the regular Math 201; in addition to covering the scope of second year math, students will be given a chance to investigate subjects in which they are especially interested. Last year some of those who took the course did excellent outside work on complex numbers, non-Euclidean geometry, logarithms of negative numbers, etc.

The physics department has added a number of new courses to adapt itself to the science program. Students working for a science degree and majoring in physics will take on semester courses in Physical Mechanics and Kinetic Theory and Heat. One year courses in Wave Motion, Sound and Light, and Electricity and Magnetism are among the required subjects, while electives include Spectroscopy and Atomic Structure, and Electron Physics.

FRED ASTAIRE
has the right combination
of great acting and dancing
to give you more pleasure

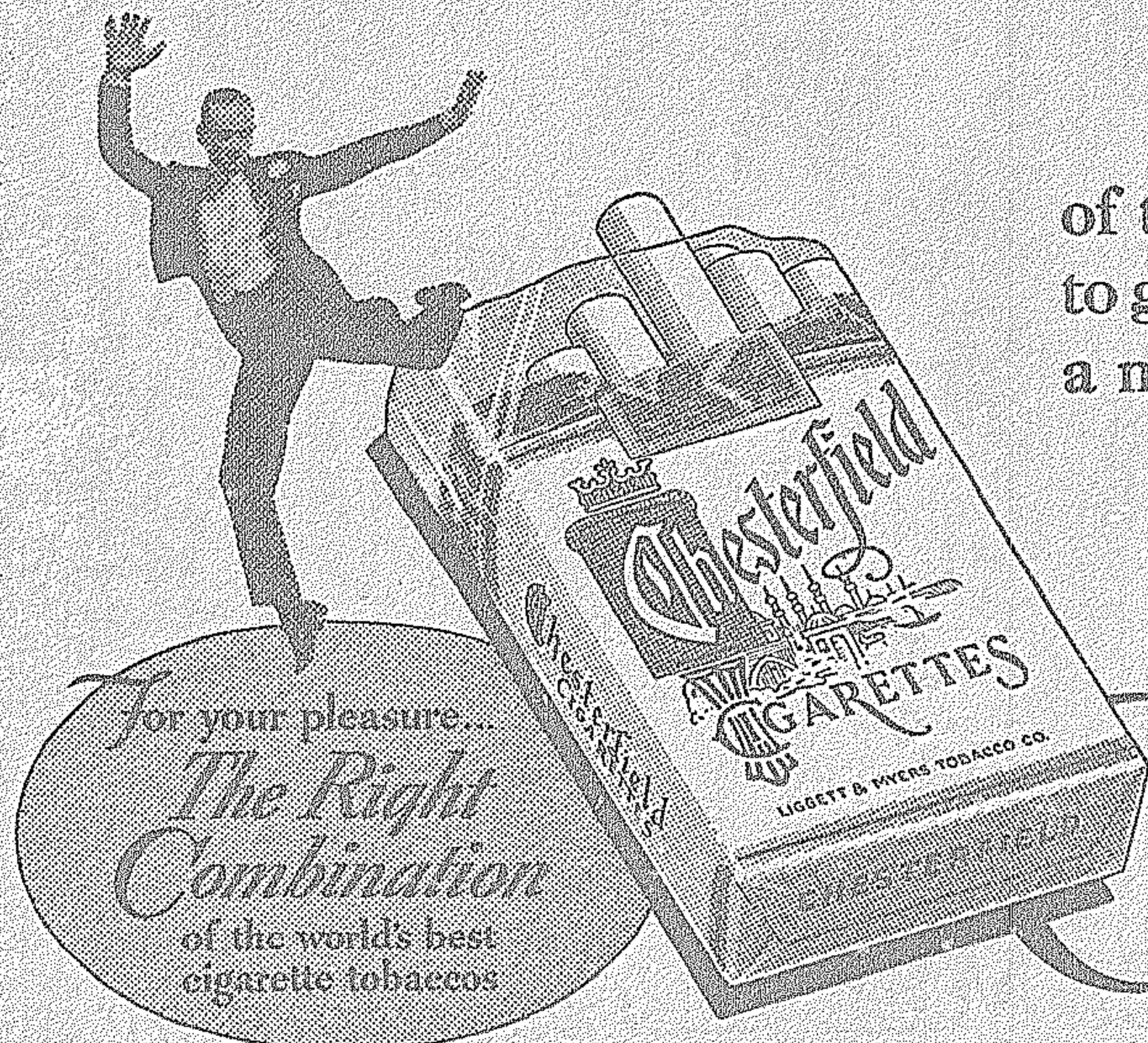
THEY HAVE THE

Right Combination

FOR MORE PLEASURE

Chesterfield blends the *Right Combination* of the finest American and Turkish tobaccos to give you a milder, better-tasting smoke with a more pleasing aroma...

And when you try them you'll find that these are the qualities Chesterfield has above all others in giving you *More Smoking Pleasure. THEY SATISFY.*



Chesterfield