Vol. XX. No. 15

Armour Institute of Technology, Chicago, Illinois

Tuesday, January 25, 1938

# Congress Honors Dr. T. C. Poulter for Polar Work

# Receives Congressional Award at Banquet

ploration."

Dr. Poulter is now compiling the scientific data of the 1933-35 Byrd expedition, and it is expected that these will fill some 10 volumes of ward geophysics, aurora observations, meteor observations, magnetic soundings, and ice studies.

#### Read Byrd's Message

Rear Admiral Byrd was unable to attend the ceremonies on account of his being ill, but he sent a message to be read at the banquet. Some of the sentences from his letter to Professor Finnegan, who made all the arrangements for the affair, serve to show his respect for Dr. Poulter:

"Commander Poulter stands No. 3 on my expedition in so far as deserving this medal is concerned. the hardest worker I have ever known. He started working on our scientific program two years before our expedition left the United States, and through his own efforts collected \$100,000 worth of scientific Begin Conference equipment. Every day he arose at six and worked far into the night on the scientific preparations. During the expedition he continued his hard labor, averaging at least sixteen hours a day on the job.

# Recalls Rescue

Base during the darkness of the win- merce. ter night. It was one of the most difficult and hazardous journeys ever undertaken. . . .

gether in that little two by four shack in the snow for two months. The temperature at times got lower than 70 degrees below zero. Under these conditions you get to know a man and to take his measure far more accurately than is possible under normal conditions of civilization."

# Power Discussed

Professor D. P. Moreton of the electrical engineering department discussed the "Power Production Phase of Electrical Engineering" in an interesting lecture last Saturday evening from 7:15 to 7:30 p.m. over radio station WCFL. Interpreter for this broadcast was A. P. Schreiber, publicity director.

talk that electricity did more work and agent in setting up safeguards against did it better in 1937 than in any previ- the economic hazards of the new sitous year, with the United States using | uation. But individual initiative and more than two billion kilowatt hours of electrical energy a week.

ergy is related to electricity. In the line that democratic government is electrical motor the electrical energy likely to be derailed." is converted into mechanical; in the converted into heat energy.

volt, ohm, and watt.

# Dr. Jakob to Teach Graduate Course in Heat Transmission

A graduate course in the evening in heat transmission for students of all departments, is to be offered by Dr. Max Jakob, recognized world authority on heat transmission. The program, as prepared by Dr. Jakob, is to cover the laws of conduction, Five hundred guests paid homage | convection, and radiation of heat, and to Dr. Thomas C. Poulter, director of | problems of heat insulation and heat the Research Foundation, last Wed- flow, as occurring in engineering nesday evening at a dinner at the practice. The course will deal with Palmer House. By a special act of analytical, graphical and experimental Congress, he was awarded a Con- methods, and with significant propgressional Medal "for scientific ac- erties of substances and features of complishment unequalled in polar ex- | design; economical points of view will be considered.

> The outline of the course is: 1) Basic equations for the three kinds of heat transmission.

2) Significant properties of heat 300 pages each. The major portion | transmitting bodies and their measof his endeavors were directed to- urement, including measurements of heat conductivity, materials for building and insulation, surface and fluid temperatures in convective heat transfer, and emission coefficients in ra-

> 3) Typical general problems of heat transmission such as conduction in plates and cylinders, differential equations of heat convection, geometry of heat radiation between surfaces.

> 4) Typical special problems of heat transmission - insulation of pipes, heat conductivity in electrical coils, heat interchanges, transfer in heat engines, transmission from boiling liquids, transfer on stokers and in catalytical tubes, and radiation of heat under various conditions.

# Course Meetings

### Dr. H. L. McCarthy Speaks on Industrial Relations at First Meeting

"It is clear, therefore, that I owe i "Industrial Relations Today" was Poulter a great deal of gratitude for the topic discussed by H. L. McCarthy, the success of our undertaking, but regional director of the social security I have another and even deeper and board, at the first meeting of the secmore personal obligation to him. It and annual conference course on was he, with two assistants, Demas "Executive Control of Personnel" held and Waite, who risked his life to Monday, January 17, at the Palmer come to me during my lonely vigil | House. Dr. McCarthy discussed the when I became so grievously ill from subject from an informed and practithe carbon monoxide poisoning from | cal viewpoint. His previous experimy faulty oil stove. Under the lead- ence included work as manager of ership of Poulter, they made this the regional labor board and as for- Proposal." trip from Little America to Advance | mer dean of De Paul college of com-

No Labor Trouble Panacea

"No single formula will straighten out all labor difficulties," Dr. Mc-"The four of us were jammed to- | Carthy said, "since peace, harmony, and efficiency may be achieved in one situation with a union and in another without." He then related how a worker does not change his character or capacity to produce by joining a union. Of particular importance was his statement that the time has come when you decide things with employees whether there is a union or not. "No man can set himself up as a true diviner of the aspirations of his entire work force. Management must not forget that there exists in By Prof. Moreton any establishment a social organization of those working together which may have very little relation to the organization structure that management has colored and charted."

Initiative, Cooperation Parallel

Mr. McCarthy declared that we have been alert to make the most of the advantages of economic integration, but dangerously slow to realize the social obligation it entails. "The Professor Moreton stated in his government must act as the people's social cooperation are not contraditions. Rather they are parallel tracks, In popular style, he told how en- and it is only when either gets out of

John A. Stephens, manager of instorage battery on discharge, chemi- dustrial relations, Carnegie Illinois is sponsoring the dance, expects the cal energy is converted into electrical, Steel Corporation, spoke on "Practical and in charge the reverse takes place; Training Programs" last night at the and in the toaster electric energy is second meeting of the conference to one hundred couples. course. Mr. Stephens emphasized the He developed in an understandable possibilities for cost reduction and imway the fundamentals of power pro- provements in quality which may reduction and the units used in electri- sult from attention to the instruction | tunity to outshine the other memcal measurement such as the ampere, and upgrading of the skill of the

worker.

# Co-ops to Welcome New Class at Dance

In order to welcome the new co-op class to Armour, the present co-ops are arranging a buffet supper and dance to be held at the Italian Room of the Allerton Hotel on February 5. W. E. Jordan, S. B. Dina, and W. L. Gendron are in charge of the arrangements for the affair.

The class made a trip to the R. R. Donnelley printing plant last Friday. More trips of this kind are being planned to keep the co-ops in touch with outside activities. A splash party is being planned for Friday, January 28, at the Bartlett Gym pool, for which W. Jordan is completing arrangements.

### Announce Freshman Scholarship Winners

Following the recent scholarship examination, given to ninety men on January 8 at Armour Tech, comes the announcement from the office of Dean Tibbals of the winners of the semi-annual awards.

The five high school students who were adjudged the all-around best, and who will be presented with the scholarships are: B. E. Bergman of Crane Tech, R. D. Jackel of Austin, J. Markell of Lane Tech, G. A. Raymond of Calumet, and H. E. Wessel of Foreman.

If, for any reason, any of the men are unable to accept, the scholarship will go to one of the following alternates: J. J. Jacobson, Tuley; R. A. Krause, Tilden; E. Motta, Lake View; J. J. Rowan, St. Paul, Minnesota, and R. J. Shamis, Hirsch.

The \$300 one year scholarships were awarded to the winner on the following basis: a high rating in the competitive exam in physics, chemistry and mathematics, and a satisfactory rating in English; a successful high school career, both in studies and in extra-curricular activities, and a personal interview with members of the scholarship committee.

# Cast Completed for Players Production

"Seek and ye shall find." The Players have sought, verily they have sought, and they have found—a girl

Dunn, the brightest star in the Chicago Repertory Group. Among numerous qualifications for the role, the new leading lady possesses a wealth of theatrical experience, a marked ability to act, an excellent figure, and a face to match.

A University of Chicago graduate, Miss Dunn has deviated from her career as an actress only to direct productions for the Y.W.C.A. and the Douglas Smith Players. After terminating her first rehearsal with the regular case, she expressed definite approval of her role, even comparing it favorably with her previous engagement in Ibsen's "Doll House" and "Peer Gynt."

Now that the cast is complete, the play's progress will be resumed. Barring any more untimely interruptions, "The Proposal" will be staged February 9.

# Fraternity Men Await Formal Dinner Dance

To the rhythm of Art Janke and his Captivators fraternity men will swing next Friday night at the Interfraternity Formal. For a pecuniary stipend of nominal magnitude, a dinner furnished by one of the finest cuisines in the city plus romantic rhythm under soft lights will long be retained as a memory by those who attend the annual formal.

houses to be well represented and

Besides being the first Armour formal for many of the pledges, it will also give the pledges an oppor- equipment. bers of the houses who are now getting along in years.

# A. T. S. A. Releases New Budget; Appropriations Total \$15,007

#### Armour Tech Student Association Budget Approved by Board of Control for the College Year 1937-38

Income—Student Activity Fees	\$15,270.00
Baseball	. 1,100.00
Basketball	. 1,400.00
Blankets	. 232.00
Boxing and Wrestling	. 450.00
Directors and Coaches	. 4,350.00
General Expenses	. 500.00
Golf	. 375.00
Intramural	. 75.00
Musical Clubs	. 450.00
Rifle Clubs	. 50.00
Swimming	. 250.00
Tennis	. 375.00
Track	650.00
Track Relays	
Cycle	
Armour Engineer	. 1,575.00
Total Appropriations	15,007.00
Reserve	· · · · · · · · · · · · · · · · · · ·
	\$15,270.00

#### Junior Formal to Feature Excellent Dancing Facilities Plus Gay Claridge's Music

cial calendar for March 5.

Four and one-half hours of dancorchestra which, although new to room. Armour dancers, offers rhythm in a style worthy of any big name orchestra.

ner which will appeal to the most ments were originally planned provided as only Chicago's Palmer immediate attention. House, the site of the dance, can provide them.

to play the part of Natalya in "The sale soon for \$5.50, which sum may vator from 2:30 to 4:30 o'clock be paid in installments any time be- every afternoon. She is none other than Miss Rose fore the dance. The bids will be on sale soon and may be purchased from any of the junior class officers, or

> Arrangements have been made by B. G. Anderson, junior social chairman, for Armour men to rent formal clothes at a nominal price. Tuxedos will be available at \$3.25 and tails at \$4.25.

# Plans Underway for New Student Union

Plans for a student union which would include a complete remodeling of the Mission building are now underway. The architectural staff investigated the possibilities of the conversion of the Mission building into Armour's recreative center and found them rather good. In accordance with this, sample floor plans have already been completed.

Although nothing definite has been stated in regard the exact nature of the remodeling, the promoters of the plan feel that the Civil drafting room could be easily converted into a spacious lounge.

Further possible changes submitted by the student leaders include the remodeling of various class rooms into offices for the alumni associa-! to provide a large space for the The inter-fraternity council, which formation of a large dining hall to accommodate the various student furnishings and providing movable dent Association.

followed will be made.

# New Wash Room to Be Completed Soon

An entirely new and modern Dining and dancing in a superla-|shower and washroom on the fifth|ciation was formed in 1935 and at tive style is the promise of the jun- floor of Main will be ready next se- the same time it was voted to add iors at their Junior Formal dinner mester, it was announced today by \$15 a year to the student fees in the dance scheduled on the Armour so- Mr. W. Koster, superintendent of form of an activity fee for the mainmaintenance.

The improvements will include a ing on a perfect dance floor, with new type composition floor, eight respect to both size and quality, to showers, two Crane pedestal type the music of Gay Claridge and his lavatories, and an enlarged wash-

The modernization came as an answer to complaints from various school groups which condemned the A seven course fried chicken din- out-moded facilities. The improvecritical of persons will start the eve- the summer vacation period but unning. Other arrangements will be avoidable circumstances prompted

Due to the temporary lack of wash room facilities on the fifth floor, Bids for the Formal will be on freshmen are allowed to ride the ele-

# any member of the social committee. E. S. S. A. Meets to Discuss Constitution

For the purpose of formulating the articles of constitution of the newly organized Evening School Student | troduction to greater cooperation be-Association, a constitutional commit- tween Illinois colleges. A resolution tee consisting of nineteen night was passed that they meet again in school men will meet next Saturday | the Spring of this year to discuss at at 3:00 o'clock in D Mission.

The interest in the new student union among the evening school students is running high. Only about seventy men have attended the organization meetings; however these meetings were meant to be small since it was their purpose only to secure volunteers for the constitutional | committee.

Dr. Freud, dean of the evening school, is solidly behind the new organization. It is what is needed to make these men feel that they are Armour men and not transient students, he says. Mr. Oakhill, temporary chairman of the group, believes the organization will be an exceptionally well balanced one whose activities are likely to be very diversi-

According to Mr. Oakhill, the night school student union should be of intion, and the moving of the kitchen | terest to day school men. It would to one end of the ground floor so as provide the day school men with an invaluable means of contact with men actually engaged in industry.

The nineteen members of the conbanquets. An idea was submitted stitutional committee will also act as "Bakelite" will be the topic of disare making arrangements for eighty which proposed the conversion of the temporary class chairmen. They will assembly hall into a small dance make a list of their classmates who floor by removing the obsolete wish to join and work with the Stu-

> It is only after the class groups lite. When the plans are complete, defi- are known, that the organization can ganizational plans and policies.

# Publications, Coaches Take Lion's Share of Allotments

In accordance with an amendment to the A.T.S.A. constitution passed by the student body in December of 1935 which stated that the budget of the Armour Tech Student Association should be published in the Armour Tech News each year so as to keep the student body informed of its expenditures, the A.T.S.A. budget for the year 1937-38 has been released.

Largest appropriations have been made for three items-directors and coaches, the Cycle, and the Armour Engineer and Alumnus. These three total \$8,675 of the \$15,270 income from student activity fees.

Not included in this budget is the amount appropriated from the activity fees for support of the Armour Tech News. This is one dollar per semester for each student. The money is given directly to the Board of Publications and is not administered by the A.T.S.A.

The item of blankets includes expenses for the award of a blanket to each graduating senior who has won a major "A" during any one of his four years. General expenses is a cushion item to take care of emergencies,

The Armour Tech Athletic Assotenance of student activities. In 1930, the student body voted that one dollar a semester to added to the activity fee to be used in operating the Tech News. The activity fee is appropriated to various activities by the Board of Control and disbursed through the treasurer of the Insti-

# Heald Returns from President Conference

Acting in his capacity as temporary president of Armour Institute, Dean Heald attended the meeting of the colleges in Illinois at the University of Illinois. This meeting, which was held last week, was suggested by the University of Illinois in order to discuss problems common to all colleges.

The University of Illinois maintains an Institutional Research Bureau to secure information to be used by these colleges. The first meeting was in the nature of an ina conference whatever progress has been made.

The major problem that is confronting the group is the education of the public as to the aims and purposes of these colleges. Very few people really know the purpose of a great many colleges. Lack of this knowledge does not enable the general public to take full advantage of the opportunities offered them by these institutions of learning. Knowledge as to the purpose of agricultural, mining or osteopathic colleges is woefully lacking.

This conference composed of all colleges, not only engineering schools, is sponsored by the state university in order to enable the citizens of this state to realize the benefits of their educational facilities.

# "Bakelite" to Be Subject at Coming A.I.Ch.E. Meeting

A topic of interest to all students will be presented at the next meeting of the A.I.Ch.E. to be held on Friday, February 11 in science hall. cussion and will be illustrated by movies shown through the courtesy of Chicago Moulded Projects Co., manufacturers and moulders of bake-

The movie was secured through nite statements as to the plan to be come together and formulate its or- the efforts of J. J. Bachner, graduate student.

# Armour Tech News

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Vol. XX. January 25, 1938 No. 15

#### To Our Successors

Retiring members of the Tech News staff always experience a feeling of loss at giving up a job which has occupied much of their time, and which has helped liberalize their engineering education.

We senior members of this year's paper have been particularly fortunate in having an unusually loyal and industrious staff of co-workers, men who have become our close friends through association and a common purpose of presenting the news of the school, to the students. Consequently, we feel that we have been lucky in this respect.

We know that we are leaving the paper in capable hands. We hope that our successors have profited by recognizing our mistakes, and will edit a better newspaper than we have.

To the eleventh staff of the Armour Tech News we wish a most successful year!

# First Pledge Made Toward Student Union Drive

First of the pledges which will be made toward the fund needed for the conversion of the Mission Building into a Student Union building is one of five hundred dollars from the Armour Tech News. This money has been made possible through economical administration of the paper, and since it comes from the student body, it was thought fair to return it through this project of benefit to all students.

Comment on the need of a Student Union was brought out last year by the present staff. Early this school year an unfruitful ballot was placed in the paper to determine student interest. Although the ballots returned were few, students have showed interest and should support the project with real spirit.

The cost will depend on the extent to which the work is carried. Prof. Jerrold Loebl, assistant director of the department of architecture, has prepared preliminary sketches of the building but these are only tentative and may receive considerable revision. In pith the idea is to convert the civil drafting room on the second floor of Mission into a modern lounge, to revise the layout of the lunch rooms so as to have a large banquet hall, to redecorate the assembly hall, and to provide rooms for the publications and the alumni files.

Graduates will be able to look back and see a project they aided and can look forward to a possible "homecoming" which might be terminated by a banquet in the Student Union building. Lower classmen will receive the immediate benefit. They will enjoy the association with other students and a chance to let their minds and bodies relax in popular topics and sofas respectively.

The name "Student Union" seems to form a mind picture of two hands clasped in a firm grip symbolizing help to fellow men and the inference that they will not let each other down. It also indicates common interest and effort.

A good symbol for the Student Union campaign

would be those two hands clasped together as mentioned above. It is of common interest and all must work together so as not to "let the other fellow down."

The school does not have a surplus of money so that the effort must arise from the student body and be aided by the alumni, or possibly made possible by a philanthropic gift.

When the time comes to aid a drive for a Student Union, let's be the other hand in that mind

# Fraternity Notes

Midnight oil is being burned this week along Fraternity Row. After finals, however, many of the houses are planning affairs to celebrate or forget their recent trials.

The long anticipated Interfraternity Formal has at last arrived. Friday night, at the Lake Shore Athletic club, about eighty fraternity men and their dates will dance to Art Janke's music, and forget all about their cause of the frat notes. This column

The Interfraternity Council will meet next at the Triangle house. Delegates from all the houses will be present to discuss a Freshman Week preceding the regular semester.

Most of the houses will start practice for the Interfraternity Swimming Meet. Phi Kappa Sigma are determined to retain their swimming championship, while Rho Delta Rho aims to add a first to their string of second places in interfraternity events.

Phi Pi Phi elected officers Monday of last week. They

President	Thomas Collier
	William I. Buckeridge
	William M. Caldwell
Chaplain	
Sentinel	Henry B. Muehlhausen
Social Chairman	Richard N. Vandekieft
The Pho Delte' housewe	arming stag is schoduled for

The Rho Delts' housewarming stag is scheduled for Feb. 3, between semesters. Sid Kreiman and Irv Footlik are planning a gala evening for the actives, pledges, and alumni. Now that their pool table has been assembled, the tournament, under the able leadership of Brother Frank Miller, may be continued.

The Pi Kapp mothers' club held a very successful bridge party last Tuesday. The ping-pong tournament is producing some furious games. The Pi Kappa Phi officers were installed into office at a meeting last week. And incidentally Pi Kapp Newling pinned his steady last week-result: ice cream and cake for the entire chapter from Brother Newling.

# The Slipstick

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

Ah, how we will remember our first column. Like a diamond in the rough, it wasn't so much to look at, but the pontentialities were there. We were friendless, our efforts were coldly received, no kind word was ever spoken to us. But now, after three years of polishing that diamond in the rough, what have we got now-a rough-cut diamond, only smaller! We have no enemies now, but all our friends hate us. No one speaks a harsh word to us now-no one speaks to us. What price glory! Does anyone want to buy a second-hand typewriter?

Constipated? So what? So are we! Try Munch-Crunch.

The frats are raising a riot behas always kept out of foreign affairs but this time we must take sides. For example, look at an orig-

inal copy sent in by Phi Pi Delta:. We refuse to congratulate Rho Alpha Rho on their recent basketball victory over us guys. They're a bunch of dirty rats and we hope they break their legs. Anyhow, our guys were at least built like athletes.

#### Here's one from Rectangle:

We ain't gonna toin in no more notes to yewr old paper. The trouble wid jouse is dat yewr copy-reeder ruins our gude spelling and grammer. Nertz to youse, Sheehaam and Porker.

It looks like Stoop brain Bliss wrote that one. And finally this bit of trash from Kappa Si Sigma, written on the border of a worn out blotter and hurled through a window of the NEWS office tied to a brick: .....

The Mater's of our dear fraternity met last Friday. Skinny Dugan's mother and Stinky Mason's mother both wore the same dresses. Skinny is joining Tau Lamda Omicron next semester. Fatso Dolan and his mom left early 'cause Fatso fell in the punch bowl and got his clothes wet.

And now reader, who's right . . . the NEWS or the GREEKS?

#### Dr. Ford to Talk on Fourth Dimension Before Math Club

Dr. L. R. Ford, head of the mathematics department at Armour, will present a talk for the Senior Mathe- English, Social Science, matics Club of the University of Chicago on Tuesday, January 25. His subject will be projective transformation in two complex variables. In his talk Dr. Ford will tell of some unpublished researches of his own and of his former students in the for many years, various electives field of four-dimensional geometry. Early next semester the Armour Math Club hopes to have Dr. Ford partmental electives chosen may be as guest speaker.

# Special Committee to Pick New President

Contrary to popular belief, the work of selecting a president is being carried on by a committee composed of faculty members and the Board of Trustees, according to Dean H. T. Heald. The problem of selecting a president has been found a difficult one. A large number of men have been contacted and a great many more will be approached before a final selection is made.

At the present time, there is no particular hurry in the selection of president, popular opinion holding that it is to the best interests of the Institute that sufficient time be taken for the selection of the proper man.

## Sounds in the Night

- "We can still be friends . . ." "Ma, ain't Pa home yet?"
- "Fresh!!"

"Easy does it."

for  $me \dots?$ "Now where in heck is that ear?" | ing. "The answer book must be wrong!"

This is our swan-song and we hate to and advanced logic. sing it. It's been great fun, being able to rough it up a little every week, and | listed three electives which will be we want to thank you all for the opportunity of doing so. Good luck, make a class are interested. They every one, and so long!

Eejay and Zazu.

# Electives Offered to Upperclassmen

Engineering Directors List Elective Courses

As has been the custom at Armour will be open to upperclassmen during the next semester. Any of the depursued only with the approval of the director of the option. Men in one department may also elect courses in other departments.

The chemical department offers four elective courses. The juniors may select from bacteriology and advanced inorganic chemistry; the seniors, plant design, advanced inorganic chemistry, and catalysis.

Variety Offered

Senior mechanicals may take electives in steam power plant drawing, automobile engineering, refrigerating engineering, aero-dynamics, airplane design, and physical metal-

Electrical seniors may elect engineering economics, radio engineering, electron physics, and television. Junior electrical electives are machine design, machine drawing, differential equations, and engineering analysis.

Electives offered to the senior civils are differential equations, astronomy, aero-dynamics, and airplane design; the junior civils may elect mechanism, machine design, "Ma! . . . Will ya turn on the light | mechanical equipment of buildings, and advanced experimental engineer-

#### Non-Departmental Courses

The English department has listed five possible electives. Modern prob-Munch-Crunch has a specific lems is open only to seniors. Elecgravity of 10.63. It'll stick with you. | tives offered to the student body as a whole are Utopias, public speaking, Well-we might as well face you. dramatics and history of the theatre,

The social science department has offered only if enough students to are advanced economics, advanced accounting, and business problems.



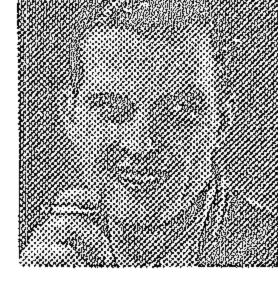
FED YOCHUM was born and raised in the L cattle country. Speaking from personal observation, Ted says: "Cow-punchers are great Camel smokers. Seems like if a man smokes Camels once—he sticks to 'em. Come round-up time - I'm in the saddle for hours, and not sparin' myself. A Camel sure hits the spot then. I get a mighty pleasant 'lift.'"

Yes, and to America at large, Camel's costlier tobaccos have such a special appeal that they are the largest-selling cigarette in this country!

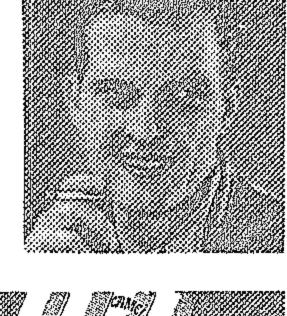


COLLEGE STUDENT Herb Weast (left): "In that jammed-up week before exams, nerves often tighten up. I've found Camels don't get on my nerves."

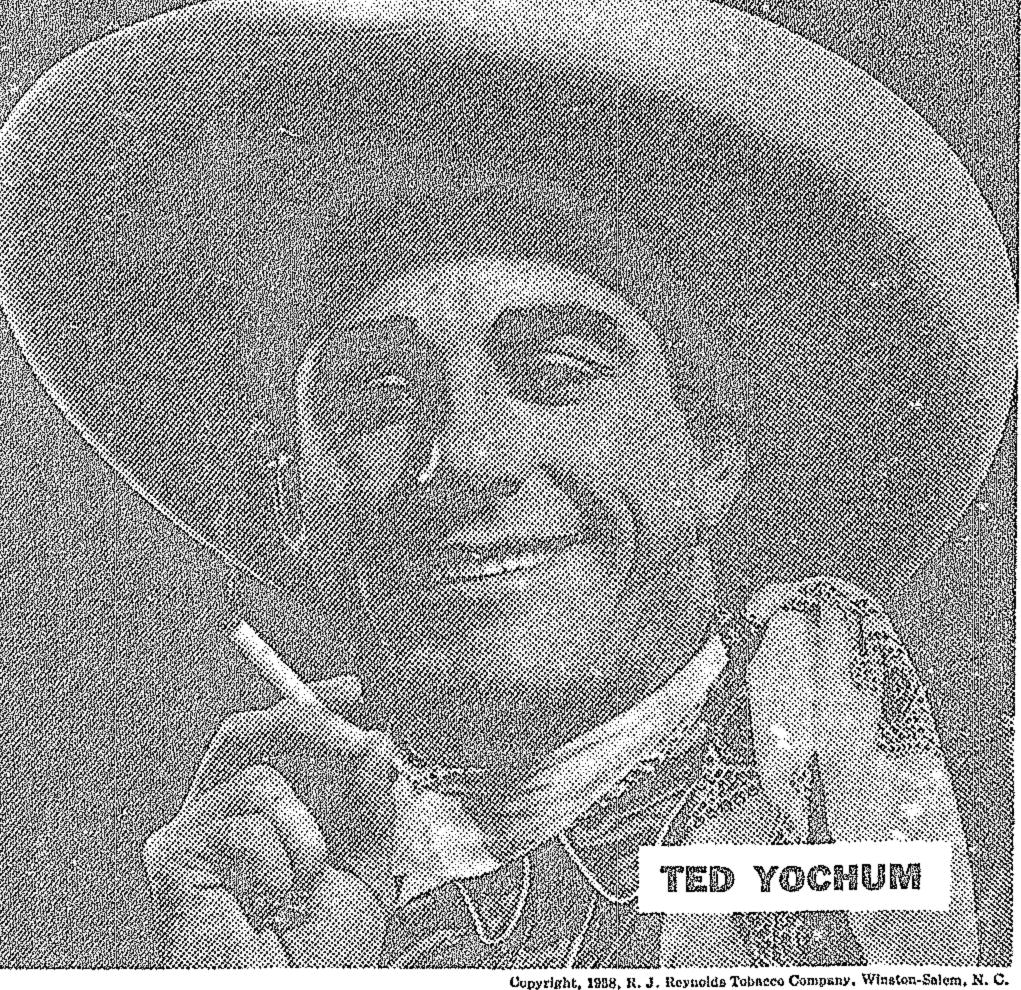
AUTO MECHANIC Al Patterson (right): "In the garage business you have to catch your meals on the run. I find that Camels seem to smooth the way for good digestion."

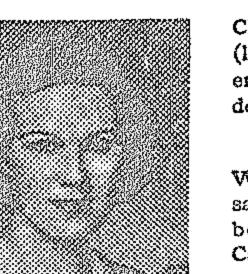


Camel spends MILLIONS MORE FOR COSTLIER TOBACCOS! Camels are a matchless blend of finer-MORE EXPENSIVE TOBACCOS -Turkish and Domestic



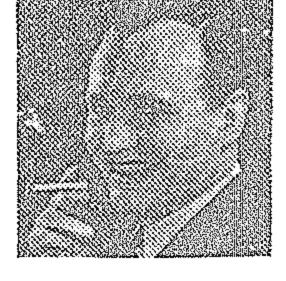


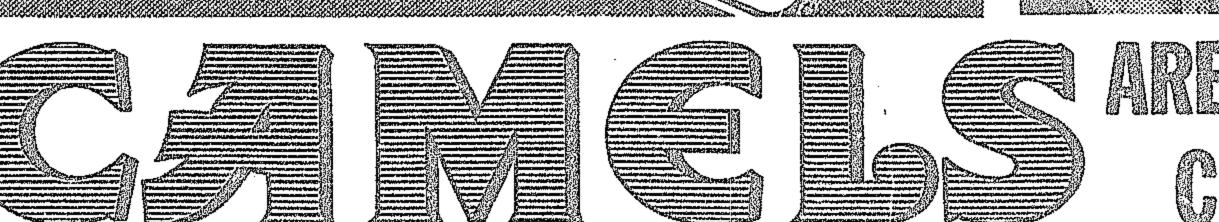




CHAMPION TYPIST Remo Poulsen (left) says: "I enjoy Camels from one end of the day to the other. And Camels don't irritate my throat."

WATCHMAKER I. C. Gorkun (right) says: "Every Camel I smoke seems to be milder and tastier than the last. Camels don't leave me 'smoked out' no matter how many I light up a day."





# Ypsilanti Upsets Tech Five 38-29 in Live Battle

Walsh Leads Michigan Normal Attack With Sixteen Points

15-15 TIE AT HALF TIME

		_					
(Mich.	Normai b	(3 f	8) P	Armour	(29) b	f	1
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Four years is a long time, and that is the length of time that it took Michigan Normal to come out on top in basketball over the Techawks. Last Thursday in the Armory they defeated the local quintet 38-

Ypsîlanti brought along a little fellow named Walsh who packed a wallop that netted almost half of his team's total score. He consistently set up shots for his team mates with his confusing reverses and subsequent bullet-like passes. Swanson's ability on long shots again made him scorer for Armour, with a total of nine points, while Norkus and O'Brien followed with eight and seven, respectively.

#### Little Spirit in Evidence

Except for an occasional spurt here and there the game was rather dispirited. Armour displayed little of the fight that was much in evidence earlier in the week against Elmhurst. Both teams played wide-open, cured the advantage at the outset allowing their opponents to take long and although Shoger broke a good shots of giving them a chance to work the ball in under the basket.

The Normal coach had the Rockne system of play, sending every man, with the exception of the manager, in to the game at one time or the other. A you-make-a-basket-andthen-let-me-spirit during the first period accounted for a score of 15 up at the half. It was early in the second period Normal began to place points between themselves and the Techawks until the difference in the two scores was of sufficient magnitude to allow them to coast in the later minutes of the game.

# Scherer Starts Tech Scoring

Normal took the tip-off and worked the ball steadily in until with | into the basket, for as it left his in shooting distance, where Norkus | hands it traveled in a horizontal line. retrieved it on the rebound of a the floor.

Norkus made one of two free throws good, when fouled while dom seen in today's revised game, quick succession with a basket by leaped high into the air. With methrow by Walsh. Pivoting from a long shot to start the scoring. Armore away to give a one point lead point in the earlier part of this period, have passed through the rim to get | a sizable lead.

# Matmen Conquer Cardinals 24-10

Tech Wins Six Out of Eight Bouts on Three Falls

Although they presented a revised lineup, Armour's mat men continued in their winning ways by running over the North Central Cardinals at Naperville on Friday by the score of 24-10. The Tech men crearly dominated the entire meet, winning three bouts on falls and three on referees' decisions while North Central got their ten points on two falls.

Armour Wins First Three Matches McDaniel got Armour off to a flying start in the 118 lb. class by pinning Wessley in 3:25. McDaniel had the advantage at the end of two minutes and quickly disposed of his opponent, giving Armour their initial five points. Till, wrestling for the second time under Armour's colors, pinned Bassent in 6:11 in the 125 lb. division. Capt. Dunne at 135 found a very tough opponent in Brands and had to be content with a nod from the referee at the end of the nine minute bout. Dunne secured an early advantage, but whenever he got a good pin hold, Brands seemed to be able to free himself and forced the bout to go the entire the Michigan Central a week from quintet five points. route. The Cardinals finally broke into the scoring column by virtue of Douerspike's pin of Hanna in 3:34 at 145 lbs. Kiekhoefer, wrestling in his first bout, completed the scoring for the home team by pinning Ropek in 8:38. Ropek was at decided weight disadvantage, giving his opponent about 20 lbs. in the 155 lb. Although hampered by a bloody nose, Ropek extended his heavier opponent to the limit. Maxant at 165 pinned Shoger in 3:09, the

Techmen Take Weight Bouts Tullgren had some real competition in Rock at 175. The Armourite secured an advantage at the outset and was able to hold it throughout, although unable to pin his man. At the end of the nine minute bout Tullgren got the referee's decision. Kazmierowicz, getting his first taste of competition for Armour, gave Armour their final three points by outpointing Dotlick in the heavyweight division, and the final tabulation showed Armour with 24 points against North Central's 10.

best time in the meet. Maxant se-

hold, Maxant added five points to

Armour's total by pinning his man.

Armour regained the lead when missed long shot. Armour started | Co-captain O'Brien sank an overhead the scoring when Scherer potted one | shot, but quickly lost it again as from the east side lines, to be fol- Casucci scored. Baskets by Walsh lowed by a similar type shot by and Davis, were matched by Swan-Walsh but from the opposite end of son, Norkus, and Scherer to even matters up, 15-15, at the half.

The center-jump, a spectacle selshooting by Casucci, followed in again went to Normal as Engle Scherer, and two dittos plus a free chanical precision Walsh put away a central position, Norkus put two mour matched Ypsilanti point for of seven to six. Engle put an end but gradually the visitors put the to this when he sank one that must pressure on and in a short time had

# Armour Tankmen Overtake North Central Team in Relay Event, 34-32

# Tech Swimmers Eye Trip to Greencastle

For their first victory of the year, the Armour swimmers defeated North Central at Naperville, a week ago Saturday, by a score of 34-32. With North Central leading 32-27, it was the last event, the relay, which open back flip. spelled success to the Tech mermen. Adding to the excitement of the meet was the fact that two pool records were broken. In the 200 yard free style, captain Ray Dodge yard back, a new record was estabshowed fine form in leading the field in 2:26.1, for a new record. The other record was broken by Henning of North Central, who bettered the old 100 yard backstroke by some seconds when he touched the edge in

1:06.4.North Central took an early lead by winning the opening event, the 150 yard medley. It was in this tral showed his potential speed by giving North Central almost a half length lead. However, Tech came back with a first in the 200 yard free style, with Dodge breaking the pool record.

In the 50 yard free style, almost a blanket finish took place, with Henning of Naperville taking first, and Pettes and Downing taking second third respectively. Grove of N. C. placed first in the diving, with Pettes at his heels, the latter winning the ovation of the gallery with a perfect

Dodge again counted for Armour with a first in the 100 yard free, Grove coming in second with Hawkins of Tech third. Again in the 100 lished with Henning splashing in ahead of Winblad and Blume. With the meet drawing to a close, Nelson touched out Svagdis, taking the 100 yard breast from Tech in the most exciting race of the meet.

Because of the rule of three events per man the Naperville squad was a man shy for the relay. However, the football captain was persuaded to event that Henning of North Cen- don a swimming suit in an effort to preserve the slim lead of 32-27 which they held at this point. With a lead of a length Downing flashed in to win the meet for Armour by

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# TECH-

Donners of Tech shorts will be getting workouts while the rest o us are catching up on sleep during the forthcoming week; there are actually five sports events booked for Armour during the holidays, including a Morton wrestling meet the first day of school.

The first of these events fits in immediately after Friday's finals with the track team edging out ahead of yellow quiz books and Maroon shorts -we hope. They open their indoor track season at this time against Chicago, and unless they tie their pants run off by the Midway boys.

With the thought of their annual basket. love affairs in ports Ypsilanti and Detroit, the basket artists eye their trip next week from several different angles. Their annual dates, both in a week from Thursday and Saturday, the squad leaving for Ypsilanti on Thursday morning, and leaving Detroit early Sunday.

# Techawks Break Cage Jinx; Rally Over Elmhurst to Triumph, 44-35

game losing streak as the Armour Techawks triumphed over Elmhurst 44-35 last Tuesday afternoon in the Armory. It wasn't lack of competition, but rather a renewed interest in the game that earned the Engi-

neers their third win of the season. Norkus, sophomore forward, lead the team and scoring with six baskets and three gift shots for fifteen points. O'Brien followed with an the running tally at 21 all at half even dozen points, while Swanson time. tipped in a like number of buckets with one free throw for 11 points.

The game started very slowly, both teams playing with caution in their tight defenses and restrained ofon well, may find these latter articles fenses. The Techawks showed a marked improvement in their fight

Norkus opened the scoring on a free pass, and it was six minutes before either team scored again, when Elmhurst dropped two free throws the court and on the campus, will be for which Swanson retalliated with a beautiful long shot. Eizner's two

converted it, immediately following some time.

The jinx ended and with it a seven | with another bucket on a long try from the side lines. O'Brien and Norkus compensated for Dreisike's two field goals, and Wagner's free of 39-25. throw tied the scoring at 13-all.

Elmhurst went momentarily ahead at 19-15, but a short pivot shot and a long basket by O'Brien tied things up again at 19 all. After Eizner dropped a pass from a teammate Norkus took his own rebound twice, and on the charmed third try tied

The second period started fast, both teams exchanging free throws and a basket, the score mounting to a 26 all tie. Baskets by Wagner and Swanson against two for Elmhurst, maneuvering and smart passing. At again tied the score at 31 apiece. Schlissinger and Dreisike completed under their own and the opponent's | Elmhurst's scoring for the afternoon (with five minutes of play still remaining) with two field goals, the visitors in the lead at 35-31.

Tech then took hold of the situation and scored the next thirteen points, the whistle ending the scoring spree. Wagner's long shot, handed shot and Dreisike's four free Swanson's left underhanded basket throw chances netted the Elmhurst and three more buckets and a free throw by Norkus ended the first son lead Futerer by a point with Swanson took Norkus' pass and really spirited Techawk game in

North Central Five Beats Frosh, 39-25

Playing before a packed house in the new North Central fieldhouse, the freshmen dropped then second game of three played thus far by a score

The Armour boys played the best game of the season, and until the last quarter had the game well in hand. It was at this point that Umbriet, ex-Chicago high school star, opened up and closely followed by other members of the team, tallied 15 points.

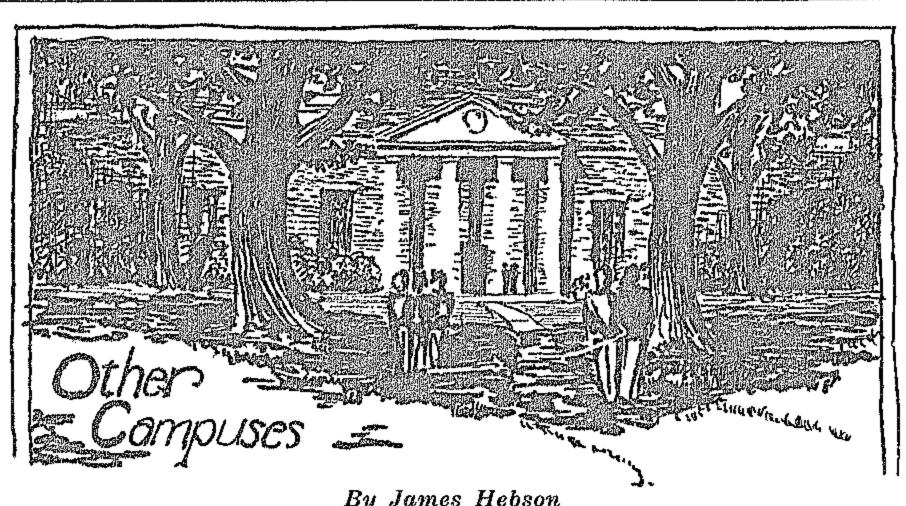
The scoring started quickly, when Fisher scored two baskets in rapid succession, followed by a North Central score. The game then settled down to real college type ball, every basket being the result of quick the half the score stoog at 17-13, the hosts leading, but at the three quarters marker had pulled up to 24-24.

Most of Armour's baskets were made on long shots, the squad being unable to penetrate the tight defense of the Naperville team.

Leading the score for both teams was Umbriet, of North Central, with 13 points. For Armour, Wally Johnthree field goals and a charity toss for seven altogether.



THE MEN WHO KNOW FORKCO BEST-1178 LUCKIES 2:10



By James Hebson

Findings that upset the atomic theory of matter were recently sent from Washington University of St. Louis to the American Association for the Advancement of Science. Scientists at the university believe that instead of one kind of electron, there are hundreds.

A cooperative educational enterprise which will link Carnegie Institute of Technology with the Westinghouse Electric and Manufacturing Company is being launched in Pittsburgh. To make this project possible the Westinghouse Company has appropriated \$200,000 for the college.

Dr. Walter B. Townsend, Butler University professor, advises girls in their teens to have a new beau every

WELLESLEY COLLEGE DENTS HAVE DONATED \$600 | Cambridge school was so snobbish," he FOR WAR RELIEF IN CHINA. | declares, "that somebody had to start WELLESLEY IS THE SCHOOL a college for members of the human FROM WHICH MADAME CHIANG, WIFE OF THE CHINESE GENER-ALISSIMO, WAS GRADUATED.

The least crowded occupation for women today is that of the intelligent wife of the well-to-do man. We need a lot of her, says Mrs. Chase Going Woodhouse, Connecticut College economics professor.

collect the ten per cent admission school by digging graves. tax to football games or other athletic events at universities operated by a State.

the long-standing belief that women | 1914. out-talk men. A speech professor finds from a study of 400 students that men like to talk more than women do.

The names of more than 4,000 graduates are engraved on the senior walk at the University of Arkansas.

The dean and 42 members of the class of 135 of Drake university paraded around the campus carrying an ivy chain in a traditional ceremony recently. It wasn't until after the ceremony that they discovered it was poison ivy.

Louisiana State university's semiweekly publication will join the ranks of college daily papers next semester.

#### CONSOLATION: EVERYBODY ELSE IS HAVING FINALS TOO.

speak as well as write good English girl friend. in order to obtain a diploma.

were listed. The "Big Three," includ- salesmen last summer. They claim ing Princeton, Harvard, and Yale, still rank highest with the girls, but Williams and Dartmouth run close behind. chuckle, chuckle . . . we believe them.

Since the Christmas vacation, Penn State coeds have taken an enthusiastic interest in bowling. More than 140 girls are organized into teams, and competitive games have taken the campus by storm.

A University of Pittsburgh scientist believes that the human race is only in the infancy of its development with a race of "supermen" scheduled to suceed homo sapiens and bring the millenium.

The 6,000 coeds of the University onto the floor. of California blushed collectively and tried to keep the news from their dads when Jean Scott Berg, voted recently one of the five best dressed girl on the campus, revealed she spends but \$240 a year on clothes.

ried pledges' books, and performed drews."

Dr. T. C. Poulter Completes Tour Through Eight Cities

Presentation of the Congressional Medal to Dr. Poulter last week climaxed a lecture tour which took him to eight cities extending from Minneapolis to Buffalo and of a week's duration. He spoke on the research work completed under his jurisdiction both here and on the Byrd expedition.

with a lecture delivered to the short, between-semesters, honey American Chemical Society in Chicago. Subsequent lectures were pre- | sophomore wildmen will be a terrific sented before various engineering so- letdown for him after the solitude cieties in Minneapolis, Madison, Mil- of the Vermont backwoods. waukee, Appleton, Buffalo and other eastern cities.

## Night School Registration Indicates Large Enrollment

Advance registrations in the metal tool work, welding, foundry, and week, gave indication of a full reg- | well, who knows? istration in all of these subjects for division.

all subjects would start this week, past. tending, to sign up in their classes without the rush which commonly BYE NOW. accompanies one registration day.

ARX NEWS

Well, boys, next issue you'll be reading somebody else's stuff. All you little snitchers will have to tell your bits of information to the column's successor, who will soon find that this paper has a censor if he uses some of the stuff you tell him.

The chief item of interest this week is the now-hitched MR. MELL His tour started on January 11 He-plus is going to Vermont on a moon. Coming back to school to his

You too can have a letdown if you will do what MEISTER did. Ask him about his pal, "Al." We wonder if the other pal is Jerry.

scended upon the veteran charetters. With a problem due and finals the Hutchins of Armour was second. next day, there is little chance for cramming; so what one knows, one engineering, drawing courses last knows, and what one doesn't know-

the last half of this year's evening there always is an irresistible urge place in the 100 yard event. Hur- week-end and swim at three o'clock to reminisce. I won't. "Moan" Wag- ried by his team mate, Svagdis, he Saturday afternoon. As all of the Dr. B. B. Freud, dean of the eve- ner, "Bunny" Nielson, "Rabbit" Pelz, finished in the nice time of 1:19.6. | squad are studious fellows, they will ning division, said that this registra- "Worry" Goldsmith, "Gun" Scott, With the score of 28-20 in favor probably read a little Economics Sattion involved only the above courses "Tyrone" Kliphardt, and the rest of of Armour, Feeley and Hanavan of urday night. After this Sunday and that the advance registration in them can rest safely in the dimming South Side cut down the lead by morning, the team will head for

DIMMING, BOYS, DIMMING . . .

ART GUM.

# Swimmers Down Southside 38-37

By the narrow margin of one point, the Tech Mermen submerged with the medley. South Side, 38-37, a week ago yesterday at the opponent's tank. Their taken in like manner, the meet was clinched with the 120 yard medley. With Winblad swimming the back stroke of the medley, the South Siders succumbed to an early lead and were beaten by almost half a length.

Opening the meet, the South Side swimmers won the 160 yard relay in the time of 1:23.8. Dodge then went out to even up the score by winning the 220 yard free in 2:43.3. Vic Svagdis put Armour in the lead with A new aura of calmness has de- brilliant swimming in the 100 yard breast stroke with the time of 1:21.2.

The home squad came back with Feeley barely nosing out Pettes to win the 40 yard free. Winblad ably filled up the vacancy in the back fifth of February, the team expects. When one comes to the end of a job stroke division by carrying off first to leave the Friday night of the

> placing first and third respectively home. This trip is one of the two in the 100 yard free style with cap- scheduled traveling meets, the other tain Dodge placing second. The being in March with K. Y. F. of Ken-South Side divers then took advan- osha.

tage of the only noticeable weakness on the Armour squad, and captured both first and second in that event. This put the home natators in the lead by two points, but the Techawk tanksters went ahead to win the meet

Their spirit increased by their last two victories the Tech Mermen are second victory of the season, both looking forward with great expectations to their trip to Greencastle, Ind., where DePauw lies in wait for them. Their meet is scheduled for | Saturday afternoon.

Despite the fact that DePauw is in intercollegiate competition swims the regulation intercollegiate distances and events, Armour has always showed up well, losing last year's meet by a matter of a few points, and winning the contest of the previous year. DePauw is one of the oldest colloges in the middle west, and has a coeducational student. body of 1200. Placed about twenty miles west of Indianapolis. Greencastle is a typical small college town.

While the meet is scheduled for the



According to ex-Senator Hiram Bingham of Connecticut, Yale really STU- owes its existence to Harvard. "The

all lowly duties. But 'tis said that

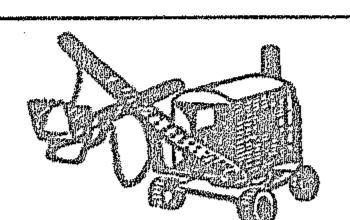
the active had their revenge the next

Two members of Ohio State's Buckeye club have started a letterwriting agency with the intention of aiding love-stricken students, or those who desire to break off relations with a girl, but don't know how to do it.

Professors who have a habit of saying, "You're digging your own The United States Fifth Circuit grave," had better not say it a cer-Court of Appeals has held that the tain student at Texas Christian Unifederal government has no right to versity. He is earning his way through

George Olsen, popular dance orchestra leader, was the first college drum major to throw his baton over Scientific experiments at the Uni- the goal posts. He was the Universiversity of Minnesota have disproved ty of Michigan's drum major in

# STEAM SHOVEL



Ed Berger is feuding with his mother. She won't let him take the car to school anymore. "I wouldn't even drive that car if she begged me," asserts Ed, "I only hope there's a big 'el' crash and I'm the only one that gets killed . . . or even hurt. It would serve her right!"

BOB WORCESTER rats on his brother, GENE, with this one. Gene's gal told him he'd look just too, too masculine with a pipe in his mouth. Gene immediately went home and started practicing on Bob's corn cob. Students at the University of Everything was hunky-dory till Gene Pennsylvania are now required to lit the thing. Gene broke up with his

It has finally gotten around that After a nation-wide poll of women | GEORGE FROST and FRED NEUstudents recently the heroes of coeds | BAUER were dashing Fuller Brush that their activity was confined solely to selling brushes . . . and,

> Another gag for that little schemer of the junior electricals—his real name is Ed Chevalley, but we call him "LOW VOLTAGE." He's always taking up collections for some poor prof that's sick in bed, where, if we had waited, could see the prof. walking out of the elevator.

Bill Graf, civil-mechanical, is not interested in juice. He was sleeping in class as per usual last Wednesday when Prof. Kent walked past and tripped over him. Bill comes up swinging and knocks all his books

Evan Stoll, on the other hand, is quite wrapped up in his study of electrical theory. But too much Bridge Design the night before put him in the arms of Morpheus later in the same hour. After Andrews had fully explained the operation of a Pledges ruled the activities for motor, Kent asked Stoll if he agreed one day in one fraternity at the Uni- with Fred's explanation. Stoll woke versity of Oklahoma. As a result of up with all his faculties at hand and a bet between actives and pledges, replied, "I wasn't listening because which the pledges won, the older I know that stuff and I didn't want members were pledge buttons, car- to get mixed up by listening to An-