

TECH HOLDS OPEN HOUSE

P. E. HEATH IS CYCLE EDITOR FOR NEXT YEAR

King Selected as New Business Manager

At a meeting of the editors of the Cycle last week, men were chosen for the positions of Editor-in-Chief and business manager for the 1930 Cycle. Preston E. Heath, F.P.E., '30 was selected for the office of editor-in-chief and Walter M. King, E.E., '31 was chosen for business manager.

This year Boyden W. Hindman E.E., '29, the retiring editor-in-chief, has been assisted by Heath acting as associate editor. Heath for his work as associate has been given the editor's chair.

E. Percy Boynton, Ch.E., '30, business manager of the '29 Cycle, is retiring as an active member of the staff. He will, however, act as advisory business manager to King on the '30 Cycle.

The associate editor and the various department editors have not been chosen as yet but by the first of this week the entire staff shall have been picked.

On Circus Day of each year the Cycle is usually distributed, however, Hindman is not ready to designate this as the date of distribution this year.

CIRCUS DAY TO CLIMAX JUNIOR CELEBRATIONS

Class Rush, Two Relays and Stunt Show Scheduled

Circus Day, the crowning event of Junior Week, will be held Saturday, May 18. Jack Sitzler and his crew of Marshalls have drawn up plans for a full day of contests.

The class rush, which is scheduled for the first event of the afternoon, should be a good scrap because feeling is running high between the classes. Fifty sacks filled with straw and five sacks filled with sand will be placed in the middle of the field. Each sack of straw will count one point and each sack of sand will count for five. The Sophs with their red shirts will have the north end of the field for a goal and the Frosh will collect their sacks at the south end. It will be absolutely forbidden to throw the sacks over the fence.

The Marshalls, in white knickers and yellow coats, with black trimmings, will be swinging paddles discriminately. In addition to this event, there will be the Pentathlon, for which all students are eligible, the Interclass Relay, and the Stunt Show. In the latter event, each of the fraternities will present a stunt, to be judged by a committee of faculty members. The complete program for Saturday follows:

9:30—Pentathlon
Interclass Relay.
Inter-fraternity Relay.
Afternoon—Class Rush.
Stunt Show.

Tanks of red and green dyes to be used for coloring shirts for Circus Day will be placed at the middle of participants by the middle of the week. The dyes will be in the industrial lab on the 4th floor.

Last Call for Gowns

Seniors who have not yet had their measurements taken for caps and gowns must do so at once.

Call for Bids to Junior Prom Is Heavy; Formal Supper Dance at Congress Will End Social Season at Institute

R. J. SERSON DIRECTS AFFAIR

INTER-HONORARY BANQUET HELD WEDNESDAY NIGHT

The annual inter-honorary banquet held last Wednesday night at the Sutherland hotel, will not be soon forgotten by those attending, nearly every honorary man in school being present.

Mr. W. L. Abbot, chief mechanical engineer of the Commonwealth Edison Co., delivered the address of the evening, "After Coal, What?" in which he emphasized the uncertainty of the future supply of coal.

Annual Varsity vs. Alumni Game Today

Monday Morning, May 13.—At three o'clock this afternoon, the Armour Varsity will engage the alumni in the annual Varsity-Alumni Baseball Game on Ogden Field. Coach Krafft will play his regular lineup against such alumni stars as: W. F. Kueffel, '27, V. A. Hofer, '27, W. E. Downes, '26, S. J. McLaren, '26, G. N. Schumacher, '23, and C. W. Schonne, '28.—John J. Schommer, '12, famous U. of C. athlete, is expected to do the pitching against the varsity. Stehno, Graham or Cannell will probably hurl for the Krafft men.

Bids are rapidly being disposed of for the Junior Prom, to be held next Friday evening. There are but a few available now, and these will be soon taken.

It is to be a formal supper dance, and will be held in the Balloon Room of the Congress Hotel, a location well known to all. The music will be furnished by Charley Stragh and his well-known eight-piece orchestra, formerly of Chicago, and recently returned from a country-wide tour.

Dancing will be from nine till twelve, when supper will be served. Following this dancing will continue till two.

The Junior social committee, led by Robert J. Serson, has done its utmost to provide an enjoyable evening, and are confident that no detail has been overlooked in this respect.

Dr. Raymond, Deans Palmer and Penn, Professor Morton will attend with their wives.

News Staff Banquet to Be Held May 22

A dinner will be given for the staff of the *Armour Tech News* at the Brevoort Hotel on Wednesday evening, May 22, at 6:30 P.M. All present members of the staff are invited, as well as all retiring members. It is planned to have some of the faculty members present that are interested in publication work. Tickets will be \$1.50.

WELCOME

The Armour Institute of Technology extends greetings and a welcome to its friends on the occasion of Open House Night. It is the one event of the year when the Institute makes special preparations to receive guests and show them through the different departments, shops, and laboratories. Members of the faculty will explain the workings of their respective departments and have interesting experiments on display. It is hoped that parents of our students will meet the teachers of their sons and acquire a more intimate knowledge of our methods and work. Our invitation to visit the Institute is not confined to Open House Night, for visitors are welcome on any and all class days of the college year. We hope your enjoyment of this evening will inspire you to visit us again.
Howard M. Raymond.

HOME CONCERT TO BE IN MISSION BLDG. WEDNESDAY NIGHT

Musical Organizations and Fraternities Perform for Visitors

The annual Home Concert will be held Wednesday evening, May 15, at 8:00 o'clock. The Band, Glee Club, Orchestra and Stress and Strains will be featured, the Inter-Fraternity Sing causing a little variety in the program. The program is as follows:

- The Band:
- "Harmony Queen"—Overture D. Coate
 - "Knights of the Road" F. K. Huffer
 - "The Golden Dragon"—overture K. L. King
 - "Washington Post March" J. P. Sousa

- Glee Club:
- "Where'er You Walk" Handel
 - "Eldorado" Protheroe
 - "The Blind Plowman" Clark

- The Orchestra:
- "Zallah"—An Egyptian intermezzo W. Loraine
 - "In the Clock Store"—Descriptive Fantasia C. J. Orth

Inter-Fraternity Sing:

- Glee Club:
- "The Perfect Prayer" Stenson
 - "Song of the Marching Men" Protheroe

3. "Mosquitoes"
Stress and Strains:
- "Ole Man River"
 - "Love Me or Leave Me"
 - "Gypsy"
 - "Chicago Rhythm"

- Orchestra:
- "Shades of Night"—Intermezzo A. Friedland

- Selections from "The Red Mill" Victor Herbert

Frank Aste is leader of the Band. Don Williams is director of the Orchestra. Dr. Protheroe is leader of the Glee Club with J. Higgins assisting at the piano. E. M. Craig is director of Stress and Strains.

The order of the fraternities singing was determined by placing slips of paper with the different names on them in a hat and drawing them out for their order.

Dr. Raymond, Dean Palmer, Dr. Protheroe and Prof. Lee, faculty adviser for the musical organizations, will be the judges in the Inter-Fraternity Sing.

ALL DEPARTMENTS HAVE EXHIBITS OF INTEREST ON ANNUAL VISITORS NIGHT

ALL BUILDINGS OPEN FOR INSPECTION

Tonight the Armour Institute of Technology will be displayed to an estimated crowd of two thousand people as an Engineering school running full blast. The different departments have prepared exhibits and experiments in addition to the regular work shown.

Summary of Open House Exhibits

Following is a brief list of different exhibits and experiments which will be shown by the various departments. For a full account see article in column 6, page 1. For a map of the institute, see columns 2 and 3, page 1.

Mechanical Engineering
There will be experiments running continuously in the Automotive laboratory building, and also in the Mechanics laboratory in the basement of the Main building, during the entire evening.

Electrical Engineering
A motion picture will be shown in the Electrical Recitation Room on the second floor of the Main building. Experiments will be run in the Electrical Engineering laboratory on the second floor of the Main building, also in the Dynamo laboratory on the first floor of the Main building.

Chemical Engineering
Exhibits and experiments will be shown all evening in the Freshman Chemistry laboratory on the third floor of the Main building, in the Industrial Chemistry laboratory on the fourth floor of the Main building, and in the Organic Chemistry laboratory on the fourth floor of the Main building. In the Metallurgical laboratory, reached through the Electrical Engineering laboratory on the second floor of the Main building, a series of experiments will be run during the evening.

Fire Protection Engineering
A model sprinkler system exhibit will be shown all evening in the Physics Lecture Room on the second floor of the main building.

Architecture
Exhibits of Architectural design problems will be displayed in the foyer of the Main building.

Physics
Experiments will be shown in the Physics laboratory on the first floor of Chapin Hall during the entire evening.

Foundry
Exhibits of core making and of molds will be shown in the Foundry on the fourth floor of Machinery Hall. A cupola of molten iron will be poured at about 8:30 P. M.

Wood Shop
Exhibits of pattern making and other forms of craftsmanship will be shown in the wood shop on the third floor of Machinery Hall. All machines will be running.

Machine Shop
Lathe work, milling machines and other mechanical devices will be shown together with samples of student work in the Machine Shop, second floor of the Machinery Hall.

Forge Shop
Thermit welding will be performed every hour. Ornamental forge work will be done continuously all evening, and exhibits of work will be made in the Machine shop on the first floor of the Machinery Hall.

bits and experiments in addition to the regular work shown.

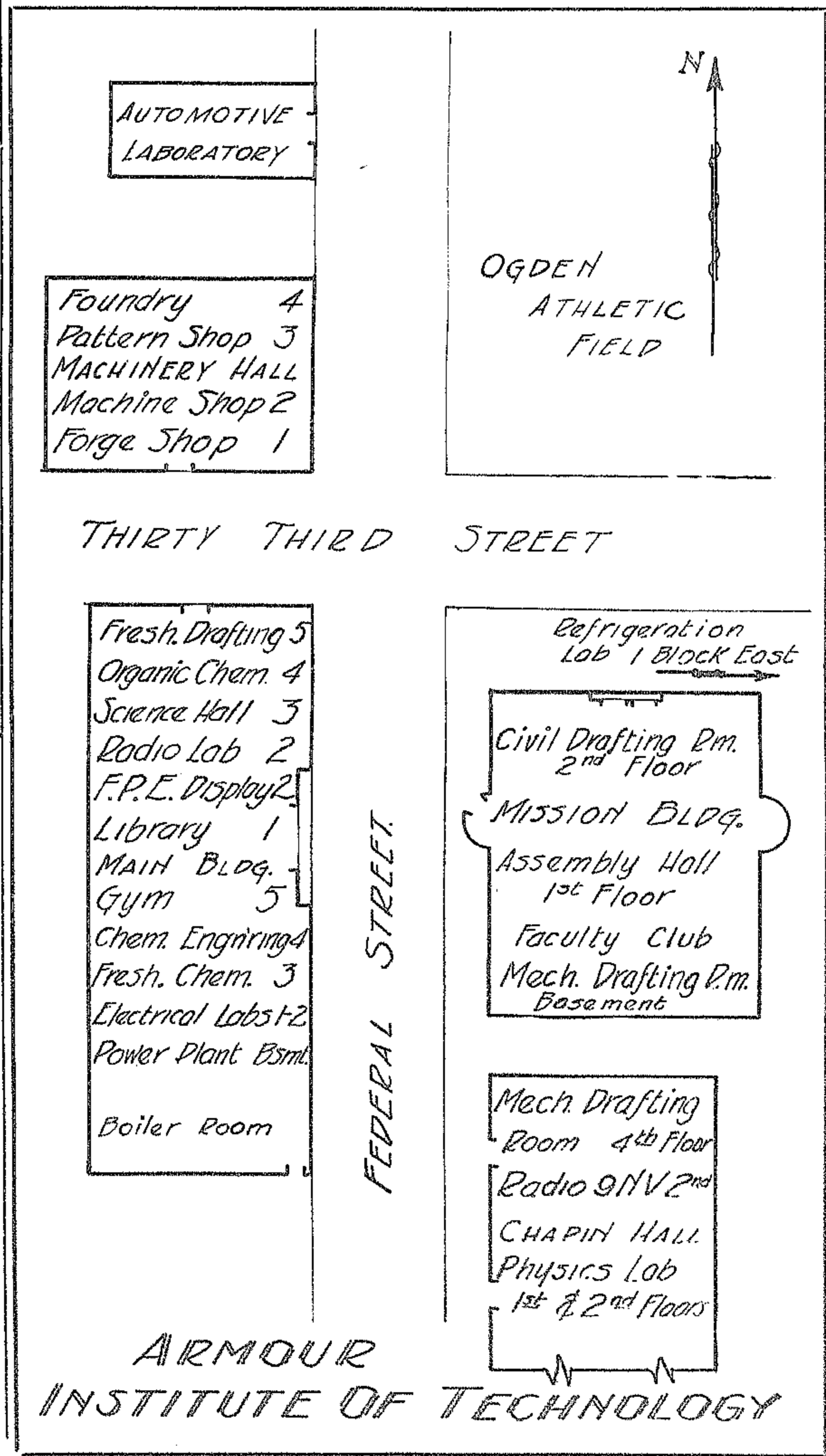
Airship Motor Tested
An interesting test which will be made by the Mechanical Department is an efficiency test of a Packard motor designed for use on airships. The motor is a duplicate of those used on the Shenandoah, and is a six in line type, with a series method of water circulation. A machine will also be shown by the mechanicals to determine the coefficient of friction and wear of automobile brake linings.

Other experiments will be tests of anti-knock gas, ordinary gasoline, tensile tests of steel and cast iron. An Olsen tension testing machine will be utilized to destroy the metal. Other experiments drawn from the regular class work will be done in the Mechanical laboratory, totaling sixty in all.

Electricals Exhibit Marvels
The Electrical Engineering department has a series of surprises in store for visitors which they would not discuss before-hand. Among the most spectacular are a radio controlled car, an electric echo machine, a Jacob's Ladder, and a shocking machine. The radio controlled car will parade around the floor of the Electrical Engineering laboratory, guided by a radio control mechanism under the direction of a student. The electrical echo machine is a delayed speech device. One talks to it, and it returns his exact words a moment later. An exhibition of Neon tubes, giving many lighting effects will be seen in the Electrical Engineering laboratory. Also in the same room, will be run a test of an electrical cost meter, and a rotating field experiment. In the Dynamo laboratory, a series motor test and an oscillograph operation will be the features. An added attraction of the evening is a motion picture to be shown in the Electrical Recitation room.

Chemicals Offer Variety
The chemicals, in their many labs, will offer a more widely varied program than ever before. In the Freshman lab, on the third floor of the main building, there can be seen the Chemical Garden and the Lead Tree. There will be demonstrations of osmotic pressure and spectroscopic analysis. There will be analyses made of iron ores and of baking powder. In the Metallurgical lab., which is reached through the Electricity Lab. on the second floor, there will be shown the compounding and vulcanizing of rubber, and the assaying of ores for gold and silver. In the Industrial lab. on the fourth floor the Juniors will have in operation a column still, a Swensen evaporator, and Sweetland filter press. There will be an exhibit of the treatment of city water by chlorination and the methods for testing the water supply. There will be six microscopes set up so that the bacteria present in the water can be readily seen. The preparation of washing soda will be explained in detail. The Seniors in the same lab. will have a complete exhibit of the manufacture of paper, starting with the wood pulp and ending with finished writing paper. They will also show the methods of producing gasoline and lubricating oils from crude oil.

(Continued on page 8)



Armour Tech News

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

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Exchanges C. E. Rudelius, '30

Vol. III MAY 14, 1929 No. 15

OPEN HOUSE

Open House Night is an event of the school year which is far more important than many realize. It affords an opportunity for the public at large to learn something of the work done here. A leading engineering school is shown with its laboratories and shops running full blast. This exhibition, as perhaps no other could, illustrates the ascent of man over nature. The stage of the theatre, a few yards square, shows conflict between people. Our stage is scattered blocks apart, between six or seven buildings, and shows man conquering nature, and learning her innermost secrets.

In one place a great steel column is crushed with a force of half a million pounds; in another, measurements are taken to one millionth of a pound. In a laboratory, voices are transmitted over a beam of light; in a shop across the street, the clang of forging hammers sound like many thunders.

Roaring furnaces that will melt the hardest steels feature one exhibit, while a refrigerator is shown in another that will attain a temperature lower than any ever encountered in the Arctic circle. Liquid oxygen is shown, with a temperature 360 degrees below zero. Metals are shown from the glowing cupola of molten iron in the foundry to the motors of finest steels and alloys tested in the Automotive laboratory.

These exhibits of science and engineering show strikingly what has been accomplished to the present. But they are only beginnings of what must inevitably be discovered in the future.

Armour Institute takes pride in the exhibits of its annual open-house. It enjoys being in the spotlight for a brief evening, after a long, quiet year of perseverance in training and inspiring young men to find their place in the great work of scientific progress.

SELF EDUCATION

The founding of the luncheon discussion club by Architectural student members of the English classes is very commendable. By securing outstanding men to speak on subjects of interest, much may be accomplished. These students have gone forth to seek enlightenment—they have not waited for it to be brought to them.

The resistance of the average college student to education is considerable. Facts and theories bounce off his cranium like rain off a tin roof. Of course some streams of knowledge leak into the great open spaces inside, but only when the student does not suspect the faculty of pouring the golden liquid.

As long as the youth thinks he is being dosed with learning, he absorbs the required material and nothing more. When, however, he becomes interested in a subject for its own sake, education becomes an intriguing game, where the student is the seeker, with increased knowledge and wisdom as his goal. The will to learn motivates his spirit and the college, instead of being a place where education is systematically injected, becomes a singular opportunity for self-development of character and mind.

“THE SLIPSTICK”

Cleave to “The Slipstick”; let the Slipstick fly where it may.

THE SONG OF THE LAZY STUDENT

You know that now sweet Spring is here, and birds make music in my ear. I feel so very much depressed; with winter went my vim and zest. When I sit down to desk at night, with lab. reports in mind to write, my thoughts roam off somewhere adrift, and soon into the streets I shift. But here's the thing: next day in class, I'll have a new excuse to pass. When Prof. asks where's report due in, I'll just perk up and say, “'Tis Spring.”

Yes, in between snow storms and tornadoes, one can pick out the season. And Spring does call forth this: Love is a particularly squasy condition of the head produced by an appetite in the heart.

First: I say, what are you doing these days?
Nother: Umpiring for the union.
First: What's that?
Nother: Calling strikes.

Here's a real good market tip: Asparagus.

He Got Off Easy

Why all the bandages about Jones' head?
Rotten bridge.
Did it break through?
Nope; he trumped his wife's ace.

JABBERWOCKY VERSE

The shortstop grabbed the forward pass,
And shot it through the hoop,
The hockey player stood and cussed;
The horses refused to loop-the-loop.

DANGEROUS? IT'S FATAL

She: Is it dangerous to drive with one hand?
He: You bet. More than one fellow has run into a church doing it.

Have you ever been fired with enthusiasm?
Have I? I'll say so. From nearly every job I've had.
Freddie.

RAILROAD NEWS

Prof. Wilcox: I call my eight-thirty class the “Pullman Class,” because it has ten sleepers and an observation section.

Prof. Leigh: That's fine, but I call my nine-thirty class the “Pony Express.”
A. J.

“Civils See Bridge Plant,” says the Tech Nooze. Gosh, I never knew that the craze had gone so far that plants were playing cards now.
Iowa Bill.

This One Is a Secret!

Simpson: We gave the umpire fifty bucks to throw the game for us.
Stenho: Well, did you win?
Simpson: Naw, the guy was crooked.
Freddie.

HOUSEHOLD HINTS

Table scraps are very valuable; they can be converted quite easily into many useful things with little trouble. For example, if the scrap ends in tears, the Little Woman can convert it into a Spring Hat.

And from the other point of view, husbands are often most exasperating. They will buy a suit with two pairs of trousers just so that their wives will have twice as many pockets to go through to get anything.

Sorry, Prof, but my slipstick isn't working well today on account of the dampness.
A. J.

Judge: Speeding, were you? Ten dollars fine.
Collegiate: Sure thing. Can you change a twenty?
Judge: Nope. Twenty dollars fine.

“Let's go, team,” yelled the farmer.

A Horrible Accident

He: I fell over fifty feet.
She: And you weren't hurt?
He: Oh, no. I was only getting off a crowded street-car.

“I'm so proud of my boys,” said a happy mother.
“Not one of them has ever been arrested for speeding or on liquor charges.”

“Waiter, what's wrong with this chicken?”
“It's been in a fight, sir.”
“Well, take it back and bring me the winner.”

The thing that used to be the general topic of conversation was Wine, Women, and Song; now it's advanced (?) to Jazz, Janes, and Gin.
—H. A. M.

HIS MISTAKE

He: You look good enough to eat.
She (insinuatingly): Well, I'm hungry enough to.

Honesty is defined by the very learned Mr. Webster as freedom from guilt or fraud. He neglected to say one thing, freedom from money.

And it's Open House night. We hope all the visitors have appreciated the display, and have been successfully deluded that all laboratories are a lot of fun and no work. (At least, that's how it seemed to us not so many years ago.) And to the prospective frosh, remember, contribs are always a source of joy to the poor humor ed.
Al. Auerbach.



Professor Clyde Barnes Cooper

(A Biographical Sketch)

By A. J. AUKSTAITIS, '31

Clyde Barnes Cooper, Head of the Department of English, was born in Prairie, Illinois, December 27, 1875. His early boyhood was spent in this town, and it was here that he attended grade school, but when he was ready for high school, his parents migrated to Lincoln, Neb. At Lincoln Professor Cooper pursued his secondary education, and also completed his college course at the University of Nebraska. He received his bachelor's degree in 1897, and three years later attained his master's degree at the University of Iowa.

After his graduation he was instructor and fellow scholar in English for one year at the University of Nebraska, after which he returned to the University of Iowa, teaching there from 1899 to 1902.

Professor Cooper's next move was to Lafayette, Ind., to teach in the English Department of Purdue University under the title of Associate Professor of English. Here he taught until he came to Armour Tech in 1909, as head of the department.

Since coming to Armour, Professor Cooper has built the department up from a secondary course to an extremely essential part of the curriculum. While busily engaged in his work here, he found time to continue his studies and his researches into languages, and was awarded his doctor's degree from the University of Chicago in 1914.

Professor Cooper was married in 1901 to Helen Hatch, a graduate of the University of Iowa, and has three children: Dorothy, who is the wife of Professor Hartshorn of the University of Chicago; Marjorie, well-known camp-fire girl worker; and Philip, who is at present studying Mechanical Engineering at Massachusetts Institute of Technology.

Professor Cooper is a sponsor and member of the Little Literary Club, and a charter member of the New Philosophy Club. This club is famed for its free thinking and advanced ideas, and also for the prominence of its members.

A “Dissertation on Ovid” is one of several books and pamphlets written by Professor Cooper. He has also edited two editions of Shakespeare, is contributor to “Modern Language Notes,” to the “Manly Anniversary Volume,” and to “Books Abroad,” a magazine of historical reviews.

At present Professor Cooper is gathering about him the students who are acquainted with the foreign languages. He is attempting to get together those who have knowledge of the old languages of small races and having them translate the gems of literature from their mother tongue into English. Thus by bringing all of these together, getting a contrast and comparison of ancient tales, he hopes to be able to publish a book of folk-lore which should be a boon to the literary world.

This project, together with his English classes, his outside connections, and his hobbies, (including bridge), provide a very active schedule and an interesting one.

Aurora High Feted By Fraternities

There are to be eighty-eight students from East High, of Aurora, Ill. here at the Institute this evening who will be entertained as guests of the various fraternities.

Seniors to Take Varied Positions

The following is a partial list of the positions to be filled by the present Senior class members upon graduation. The vocations being followed vary as widely as the places to which they will go.

This list will be continued in later issues of the News.

J. M. Kernan, C.E., W. C. Healy, C.E., G. A. Kloepfer, C.E., and E. R. Schofield, E.E., all of the class of '29, are to go into the Naval Air Service. All have taken their qualifying work at Armour during the past year. The work will consist of one month's work at Great Lakes followed by eight months at Pensacola, Fla., for flight training. They will then be with the fleet for one year. At the end of this training work all intend to go into commercial aviation.

V. V. Poupitch, M.E., '29, will join the Army Flying Corps, while Harry Nissen, C.E., '29, will do drafting work for the Berliner-Joice Aircraft Co. After a training period he is to enter airplane design work.

The U. S. Geological Survey will probably claim three students of the civil department. Leo Litanoff, Edward Rutkowski and T. W. Friedman are the probable employees. F. B. Farrell is also to join the government employees as Junior Highway Engineer for the Dept. of Agriculture.

D. L. Williams, C.E., will go to Pittsburgh, Pa., as an employee of the Wilson Snyder Co.

G. H. Smith, M.E., has announced his intention of joining the ranks of the Harnischfeger Sales Corp., in the sale of excavating and similar machinery.

F. C. Theede, M.E., and M. J. Kittler, M.E., will join forces with Buda Motors.

H. C. Newman, M.E., will travel to New York and join the men of the electrical department who are to go there.

W. H. Ohlbauer, M.E., will go with Burge Ice Machine Co., while C. A. Blomquist, M.E., joins Link-Belt Co. and M. B. Golber states Armour & Co. as his future employment residence.

G. C. Olson, also a M.E., is to join O. R. S. Engineering Co.

Almost all of the Fire Protects will join the underwriters. F. D. Gedelman and Francis Sandels will stay in Chicago with the Chicago Board of Underwriters. R. E. Phelps will go to Grand Rapids with the Michigan Inspection Board, E. A. Blume to Minneapolis with the General Inspection Bureau, W. H. Berry to St. Louis with the Missouri Inspection Bureau, W. M. Buggy to Fort Wayne as a part of the Indiana Inspection Bureau, John Hommes to Louisville with the Kentucky Actuarial Bureau, and Vernon Steenrod to Wichita for the Kansas Inspection Bureau.

This article is the first of a series which will appear giving the future employment of this year's graduates.

BETA PSI

Beta Psi fraternity held an informal dance at the chapter house Saturday, May 6. Many alumni were present at the affair.

FRATERNITY NOTES

PHI PI PHI

Phi Pi Phi fraternity announces the pledging of Henry Leichtenberg.

THETA XI

Annual Parents' Day Dinner was served at 1:30 P. M., Sunday, May 12th, at the Chapter House. About twenty parents were present, in addition to the active chapter.

During the meal A. H. Olsen, '32, was awarded a silver cup for being the most outstanding member of the Freshman class. The cup, awarded by P. E. Heath, president, is to be awarded each year to that member of the Freshman class who, in the opinion of the officers of the Chapter, has been the most outstanding in his activity during the school year.

There will be open house on Monday and Wednesday nights and all day Saturday.

DELTA TAU DELTA

The Delts had a Formal Dance at their Chapter House May 10th, to celebrate the twenty-eighth anniversary of Gamma Beta Chapter of Delta Tau Delta.

Many alumni took advantage of this opportunity to visit their old haunts.

The house was attractively decorated in the fraternity colors and a light lunch was served to the guests.

PHI KAPPA SIGMA

The Phi Kaps held their annual picnic, Sunday, May 5. The place was a secluded and picturesque spot a few miles out of Aurora.

TRIANGLE

Triangle is availing itself of the many favorable opportunities offered by Junior Week to aid in the administration of Probation Week to five of its pledges. The men going through are:

Martin Vanderveelde, '30.
Eugene Richards, '32.
John McKana, '31.
Harvey Rossing, '32.
Walter McWilliams, '32.

(Continued from page 1)
 At the other end of the building, on the same floor, is the Quantitative and Organic lab. Here, Prof. Freud's "All-American" selection of organic products is featured. Each year, the best compounds made by the sophomore chemicals during the second semester are selected and placed in this exhibit. The preparation of chloroform, picric acid, and nitrophenol, and an exhibit of the separation of alcohol from water by means of fractional distillation are also shown. In the same lab., quantitative determination of metals by volumetric methods is demonstrated.

Show Sprinkler System

A model sprinkler system, which operates, will be the main feature of the Fire Protection Engineering department exhibit in the Physics Lecture Room on the second floor in the main building. The system will be complete in all details, and will show a riser pipe, dry pipe valve, head lines, and sprinkler heads.

Architects Show Drawings

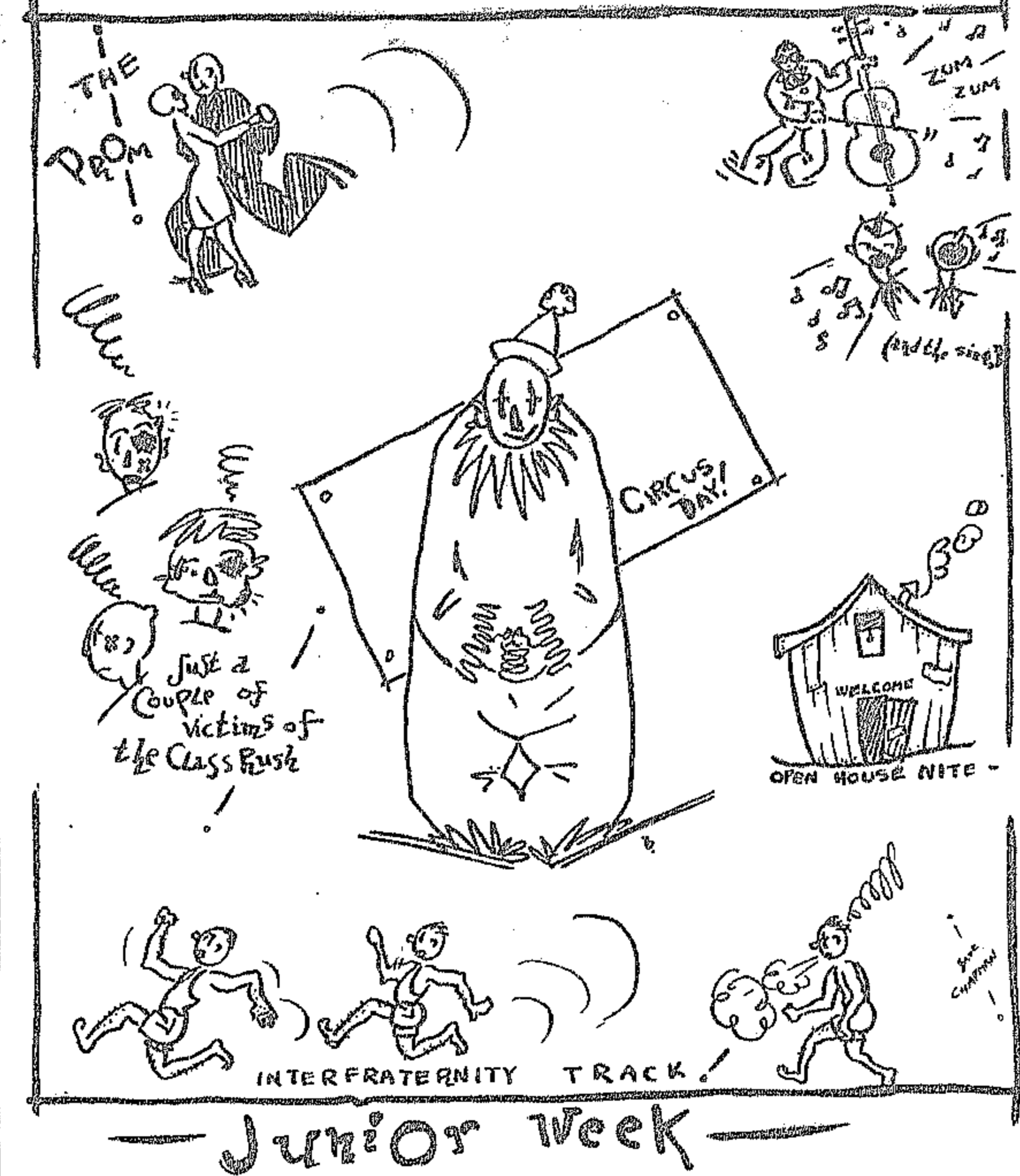
In the foyer of the main building will be displayed problems of the Architectural students.

Physics Shows Liquid Air

Routine experiments will be performed in the Physics Laboratory in Chapin Hall. In addition, the manufacture of liquid air will be shown. Gold fish will be frozen and broken into small fragments, while others will be frozen and then revived. The velocity of sound will be measured, light will be measured, the rotation of light will be demonstrated, and other precise work will be done.

Four Molten Iron

The running of a cupola in full blast, and then tapping it, is the feature of the Foundry located on the fourth floor of Machinery Hall. The cupola will be tapped at about 8:30 P. M. The showering of sparks



and the high excitement brought on as the waiting molds are filled with molten metal provides a great thrill for those watching.

The wood shop and the machine shop will have their lathes, milling machines, and cutters all running in connection with an exhibit of student work in glass cases.

The Forge, in connection with another special exhibit, plans to give an exhibition of thermit welding every hour. The steam hammer will be working and possibly the forging furnaces. Students will be working on ornamental forging, crane hooks, forging tools, chisels and other tempered tools.

Armour Hangs Up Eighth Straight Victory

Armour baseball team registered its season's eighth straight victory when it subdued Northwestern College of Watertown, Wisconsin, 7-6, at Ogden Field last Wednesday.

Notice
Bill's No-Tip Barber Shop
 HAIRCUT 50¢ SHAVE 25¢
 We Reserve Chairs by Appointment
 OPEN 8 A. M. TO 6 P. M.
 Labrador Bldg. 59 E. Adams
 Room 204 Wabash 8877

Late Sport Notices

**Wheaton 65
 Armour 52**
 Suffering the first defeat of the outdoor Track season, Armour went down before Wheaton College at Wheaton Saturday afternoon, May 11, by a score of 65 to 52. Though Armour took an early lead with the first few events, later gains by Wheaton in the middle and long distance runs threw the balance to the opponents. High point men for Armour were Paul, Yount, and Sturm. Hess, champion distance runner of the "Little Nineteen" was high point man for Wheaton, winning the mile in 4:36 1-5, and the two mile in 10:15, though bothered by a stiff wind and a soft track.

**Armour 6
 Mich. State Normal 1**

**Armour 5
 Detroit College 1**

The Armour Tennis team, continued its victorious march during the week end when it defeated Michigan State Normal at Ypsilanti by 6-1 and Detroit City College at Detroit by 5-1. The members of the Armour team that made the trip were: Jennings, Stellar, Lamb, Winkler, and Eddy.

S.A.M. vs. Phi Pi Phi's in Baseball Final

Inter-fraternity baseball is well under way. Play started at the beginning of the week, and the semi-final games were run off Friday. All games are played under regulation indoor rules, using regulation indoor baseballs and bats. Phi Pi Phi, last year's winners, entered the finals by beating Sigma Kappa Delta by a score of 14-8. Sigma Alpha Mu entered the next to last round by winning from Theta Xi, 8-5. Beta Psi beat Rho Delta Rho, 9-4. These two winners met for the right to play Phi Pi Phi for the championship. The early round scores:
 Sigma Alpha Mu 9, Theta Xi, 5;
 Phi Pi Phi 14, Sigma Kappa Delta 8;
 Beta Psi 7, Triangle 2;
 Sigma Kappa Delta 8, Phi Kappa Sigma 7;
 Phi Pi Phi 28, Kappa Delta Tau 4;
 Beta Psi 7, Sigma Alpha Mu 8.

Link Out for Season

While winning its eighth straight victory, Armour lost the services of one of its regular catchers, Charles Link, in the game with Northwestern College Wednesday. Link was guarding the plate as a Northwestern player tried to score in the sixth inning. The runner made an awkward attempt to slide, hitting Link just above his hip with a knee. An examination later showed that the ligaments around the hip were severely torn. Link will not be able to play for the rest of the season, it is feared.

A wrist watch and a pair of glasses are awaiting their owners in the Dean's office.

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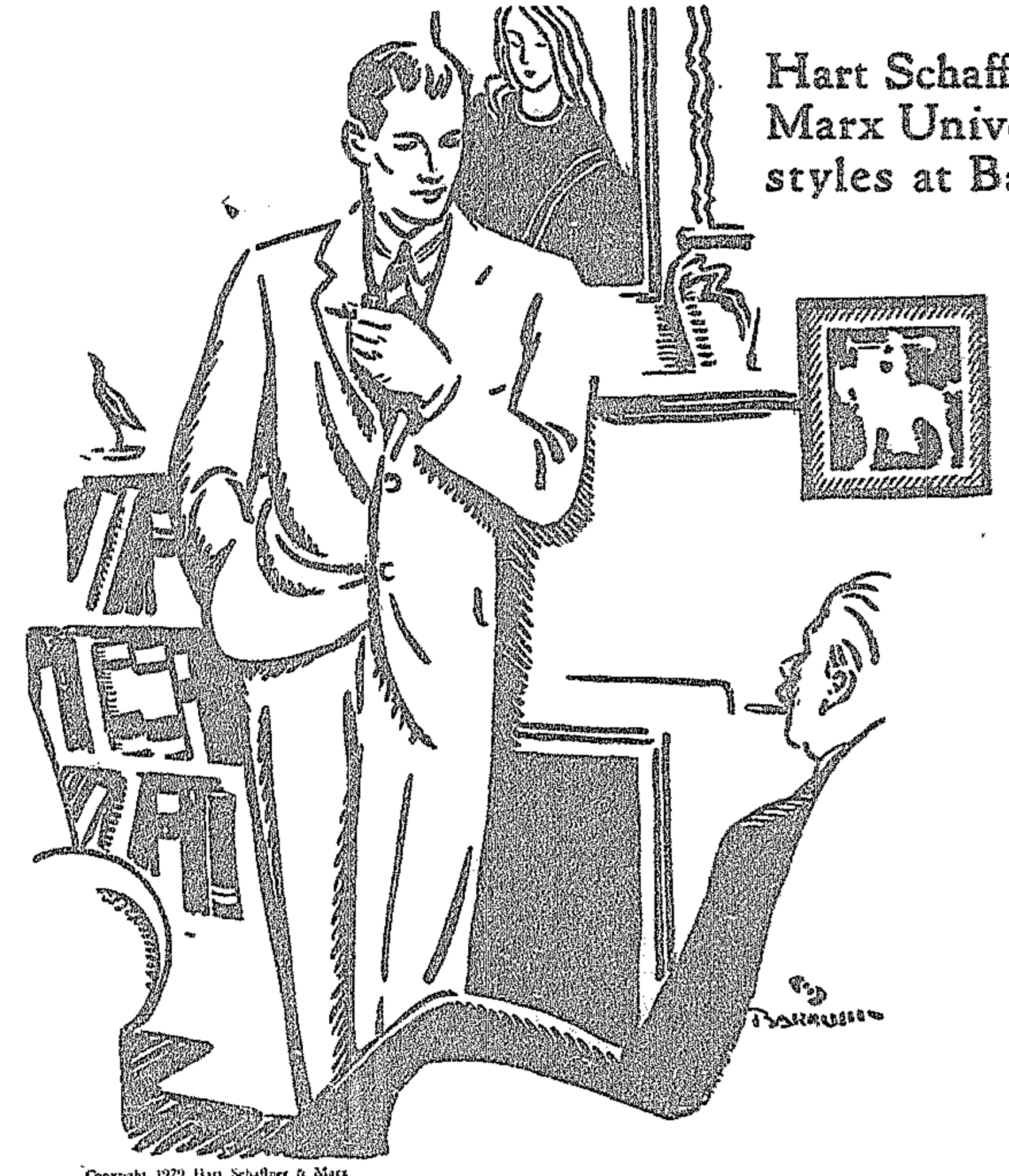
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HARD GAMES ON LIST OF UNDEFEATED ARMOUR BALL TEAM

Play Return Game with Michigan State. Normal on Home Diamond

Saturday Morning, May 11.—With Simpson in superb hurling form, Armour Tech hung up its ninth straight baseball triumph by defeating Michigan State Normal, 5 to 3 Friday. Simpson fanned twenty-one.

Nine enemies have met and nine have been defeated; such is the impressive record of Armour's '29 baseball team up to date. Under the able direction of Coach W. C. Kraft, our men have decisively defeated many of the strongest college baseball teams in the middle west. Luther, Lake Forest, Northwestern College, and the University of Chicago are those teams included in this great record of the Tech apple-knockers.

Tuesday, May 14, Tech will travel to Lake Forest, Ill., to engage the diamond artists of Lake Forest in a baseball game which promises to be chuck full of thrillers. Armour defeated Lake Forest at Ogdan Field once this semester in a close game, and Lake Forest is itching to get revenge. Simpson will probably pitch.

Later in the week, on Friday, Tech will engage Michigan State Normal College of Ypsilanti at Ogdan Field. Ed Stehno will probably do the pitching against the men from Michigan. However, Simpson will be kept in readiness as a relief pitcher.

Track Team Meets Lake Forest Friday

Armour's third outdoor track meet will be held Friday, May 17 at Lake Forest with Lake Forest College at 3 P.M. As there is no school Friday afternoon, many of the students are expected to attend the meet. The track team will go as a unit in a bus.

Notre Dame Gives First Defeat to Tennis Team

The Notre Dame tennis team, one of the best in the Middle West, brought about the Tech's first defeat of the season by emerging on the long end of a 4-3 score, Friday afternoon, May 3, on the home courts.

Singles—Jennings (A.) defeated Markey (N.D.) 2-6, 8-6, 6-4; Stellar (A.) defeated Griffin (N.D.) 6-4, 6-3; Burns (N.D.) defeated Lamb (A.) 7-5, 6-3; O'Brien (N.D.) defeated Winkler (A.) 6-2, 6-2; Eddy (A.) defeated Kane (N.D.) 6-4, 6-3.

Doubles—Burns and O'Brien (N.D.) defeated Stellar and Winkler (A.) 6-2, 6-2; Markey and Griffin (N.D.) defeated Jennings and Eddy (A.) 6-4, 6-3.

Golf Team Wins Over St. John U.

The Armour Golf team came out on the long end of a 10-8 score in a match with St. John's University of Toledo, Ohio. The match was played at the Evergreen Country Club on Friday, May 10, in place of the scheduled match with the University of Wisconsin. Armour won both the doubles and the singles matches. The results:

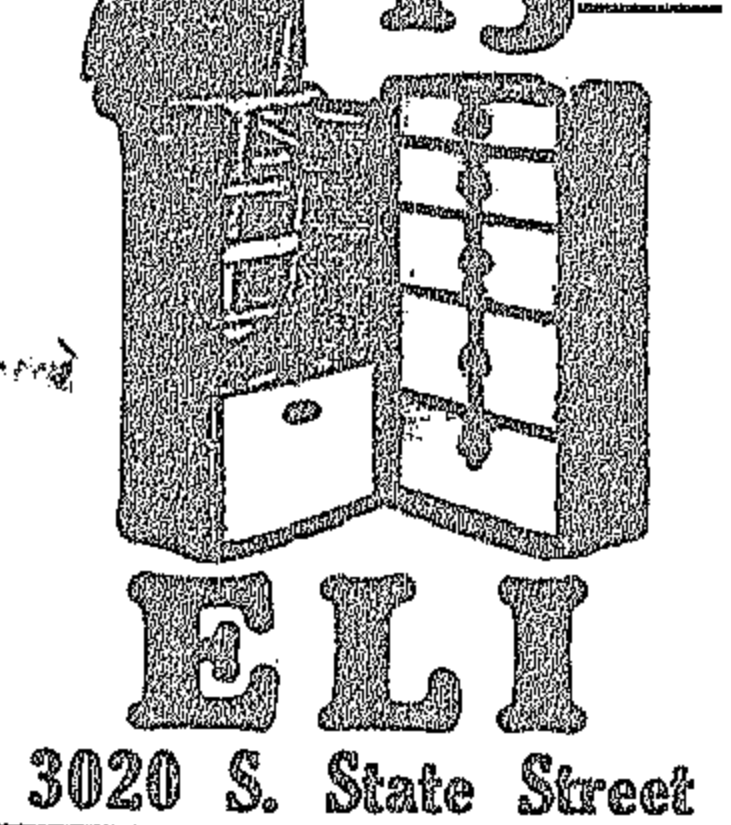
Singles Matches
Christiansen lost to Cook... 2 1
Ong beat Pemberton..... 2½ ½
Pfeifer beat De Tellem.... 2½ ½
Weiss lost to McKinnon... ½ 2½

Doubles Matches
Christiansen & Ong beat Cook & Pemberton..... 2½ ½
Pfeifer & Weiss beat De Tellem & McKinnon.... 2 1

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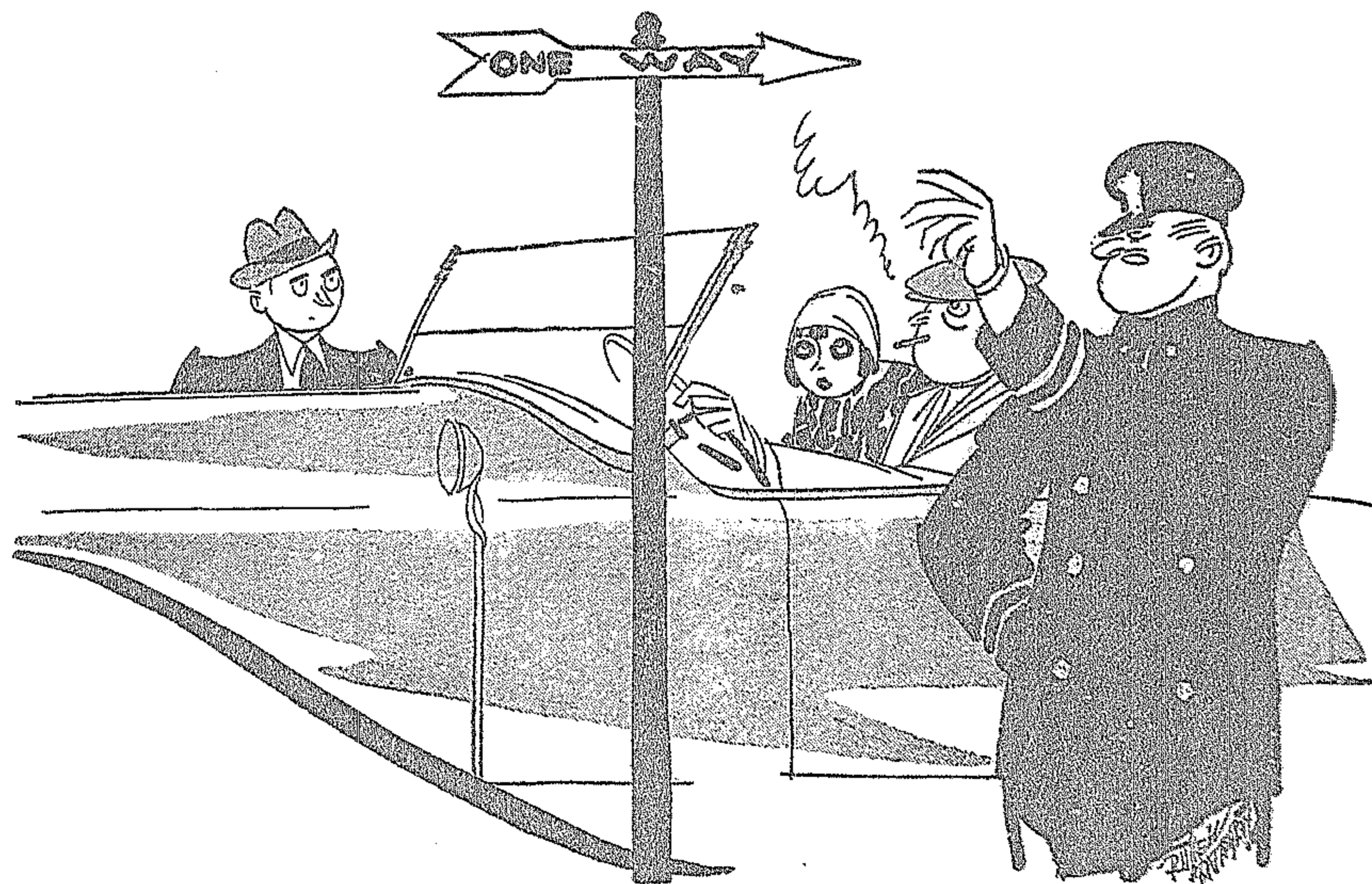
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