

## PARKER, '28, WIPES SHIP ENGINES ON BUM TO ORIENT

Letter From Former Cycle Editor Finds Him Australia Bound

LEAVES MAC HORN IN FRISCO

Kent H. Parker, '28, and W. MacDowell Horn, '28, students in the F. P. E. course, who were granted leave of absence by J. V. Parker, have been very successful so far in their ambition to reach the Orient. They wandered westward in August in a twenty-five dollar 1922 model Ford, planning to go to the coast—but wait and listen to the last letter received from the Editor-in-Chief of last year's Cycle.

"S. S. Golden Rod, Matson Navigation Co., San Francisco, Cal.

"Dear Gang:

"Oh—a life on the ocean wave"—and all that sort of thing. For here I am, a wiper in the engine room "Black Gang" of the good ship Golden Rod, bound for Australia and the Orient with a load of collapsible toothpicks. But so that Dave and Mike can understand what it's all about, I'll begin at the beginning and narrate what happened so far to the two T. X.'s out west.

Geysers by Moonlight

We were last heard from in Denver, where the streets are paved with gold bricks—not. Well, from there we headed through the high grass to Rocky Mountain Park, where we sheared the mountain goats, and got shorn ourselves (at Estes Park). They have no compunction against fleecing the innocent tourist in Colorado. After exhausting its possibilities, we took a run up to Yellowstone, and sported around there for ten days or so until we got so we could call each geyser by its first name. Camped by the new geyser and saw it by moonlight. Ever see one by moonlight? It's wonderful.

They finally ran us out of the park, and we headed our trusty steed's nose towards Butte (where we went down in a mine) and Spokane. Then down to Portland via Columbia River Highway and from there to Frisco by way of Crater Lake and the Redwood Highway. A Redwood you know is one of those trees you can build forty bungalows out of and still have enough wood left over to build three trestles, six broom handles and a pair of (deleted).

Chow Mein in Frisco

By the time we hit Frisco, we had perambulated some 4500 miles, worn (Continued on page 4)

## Jacobson New Feature Writer For Tech News

A new and important addition to the NEWS staff was made last week, when Joel M. Jacobson, '29, was appointed to the position of Feature Writer. Jacobson has the distinction of ranking highest scholastically in the senior class.

His first contribution appears on page two of this issue, in the form of a review of the books of Albert Edward Wiggam, author of "The New Decalogue of Science," "The Fruit of the Family Tree" and "The Next Age of Man."

Jacobson will have charge of all the feature articles which appear in the NEWS, whether book reviews, biographical sketches, or "human interest" stories. Next week he will review one of the new novels which have recently arrived at the Armour Tech library.

## Ships As Deck Hand



KENT HAMILTON PARKER

## TO COMPETE IN PRIZE CONTEST

The Beaux Arts Institute of Design will conduct a contest for the cover design for the program of their annual ball to be held January 25 in New York City. This competition is open to students in all departments of the institute who have registered for the school year 1928-29.

The committee on architecture proposes as the subject of this competition "Cover Design for Beaux-Arts Ball Program, January 25, 1929." All designs must be presented in colors that are suitable for reproduction.

The first prize will be \$100, and five other prizes of \$10 each are offered for this competition. The ball committee will act as jurors, and the winners will be required to make any reasonable changes in the drawings deemed necessary for successful reproduction. All drawings must be at the institute by 10 a. m. October 15. Announcement of winners will be made on October 23.

The Beaux-Arts ball for 1929 will be planned in the period of Napoleon, with episodes depicting the Egyptian and Russian campaigns and his coronation as emperor.

## Next Sunday Night Is End of Rushing Season

Friday morning at 8:30 o'clock saw the official opening of the rushing season of the Armour social fraternities. From that time on for ten days, until Sunday evening, October 14, at 8 o'clock, a swirl of activities, including everything from yacht parties to football games, will mark the introduction of the incoming freshmen to fraternity life.

According to regulations set down by the Interfraternity Council and agreed to by all the fraternities, no pledging will be done until 8 o'clock in the evening on Sunday, October 14. Lists of the new pledges to the fraternities will be published in next week's issue of the NEWS.

## Heller and Olson, '24 Grads, In Army Corps

Duane L. Heller, '24, M. E. '28, and Alden T. Olsen, '24, have received appointments as cadet flyers in the Army Air Corps and leave Chicago on October 22 for Riverside, Calif., where they will be stationed for training. Both Olsen and Heller took ground school work in aviation at the night school at Armour last year. Heller also holds the degree of mechanical engineer, which was conferred upon him in June, 1928.

## HOYT, SO. PARKS ENGINEER, TALKS AT W.S.E. MEET

Presents Slide Lecture On Outer Drive Bridges

Mr. Hoyt, chief engineer for the South Park Board, furnished the subject matter for the first meeting of the Armour Branch of the Western Society of Engineers. The theme of his talk was, "Structural Reinforced Concrete Bridges."

Actively employed during the past few years on all the improvements promoted by the South Park Board, Mr. Hoyt has been able to gather a large amount of first-hand information on the subject. He personally supervised the design of the bridges across the Illinois Central tracks—which bridges were part of the improvement project being carried out by the South Park Commissioners on the lake front. The bridges have aided greatly in beautifying the outer drive, and in making it more accessible to near South Side traffic. Mr. Hoyt's talk brought out the special features and structural difficulties encountered in the construction of these bridges. He illustrated his lecture with slides, many of which were of a technical nature, while several were actual photographs of the progress of the work.

The speaker was introduced to an exceptionally large audience by Mr. Mohr, the present chairman. For the information of the members, the W. S. E. has already obtained promises from several excellent and authoritative speakers for future meetings, promising a very successful year for the society.

The meeting was held in Room B, Mission, October 4, at 11:30 a. m.

## 3 Juniors, 3 Seniors Pledged Pi Tau Sigma

The Armour Chapter of Pi Tau Sigma, honorary M. E. fraternity, has pledged six new men—three seniors and three juniors. The seniors are Gordon C. Olson, Arthur E. Nuemann and Howard C. Newman, while the juniors are Carl G. Anderson, Henry W. Faulstich and Edward R. Rowley.

Pi Tau Sigma pledged earlier than the other fraternities this year because they are to hold the initiation ceremonies at the national convention which is to be held here on Friday and Saturday, November 2 and 3. The initiations will be effected on Friday at a combined smoker and banquet.

## Schueler Wins Soph. Class Presidency

Last Thursday the sophomore class held a ten-minute meeting and cast ballots for class officers. The architects, not being in the building at the time, were required to cast their votes the following morning. The results of the vote were:

President	
T. Schueler	82
C. Robin	69
Vice-President	
R. Timmermans	86
E. Craig	64
Secretary	
P. Kjellgren	108
T. Jankowski	42
Treasurer	
H. Bailey	120
L. Bramson	30
Social Chairman	
B. Wilson	97
W. Winkler	53

## First Meeting Held By Tech Radio Club

The Armour Tech Radio Association held its first meeting of the school year October 9, in Science Hall. Officers for the year were elected and plans laid for the operation of Station 9NV, Armour's own broadcasting station. The attendance was somewhat disappointing, but it is hoped that a larger number will attend the next meeting.

The following officers were elected: Chief Operator Harvey H. Dozois, '29 President F. H. Bigelow, '30 Vice-President Beverly Dudley, '30 Secretary R. L. Van Osdol, '30 Treasurer W. J. Ehrmeyer, '29

Eight members have already received or have signified their intention of making applications for station operator's licenses.

## 2-1 VICTORY FOR HOOVER IN POLL

Early results in the ARMOUR TECH NEWS straw vote indicate a landslide for Herbert Hoover, the Republican candidate, by a two-to-one ratio. For Hoover 176 Armour students cast their ballots, and only 84 were for Al Smith. This result may be taken as representative, although less than one-third of the total number enrolled voted.

This poor showing is attributed to the fact that most A. I. T. men did not care to mutilate their copies of the NEWS. To get a more accurate result another count may be taken. One plan which is being considered is to have separate printed ballots enclosed with a regular issue of the NEWS. Any other suggestions from the student body are welcomed. These will be published in the "Letter Box" column.

The cardboard ballot box, which was located in the corridor north of the Dynamo Laboratory, was prepared by Frank Oster, building custodian. His political leanings may be gauged by the partisan cartoons decorating the outside of the box.

## Campus Club Receives Sixteen New Members

Sixteen new members have been received into the Campus Club from the upper-classmen, and in addition many freshmen have expressed a desire to join. This number is already greater than the number of members lost due to graduation last June, and indicates a decided growth.

At an election last week, H. H. Stebbins was elected to the office of vice president. The position was left vacant by the resignation of F. W. McCloska, who had been appointed to serve as executive secretary of the organization.

The Campus Club extends an invitation to all students to visit the club rooms in Chapin Hall.

## New Material Is Needed For Band and Orchestra

The orchestra needs new men, especially those who play instruments other than the violin, according to George A. Rezac, the director. The freshmen responded well to the call of the band for new material, but more men could still be placed. The band rehearses Monday, and the orchestra Tuesday, from 5 to 6 p. m. in the assembly hall.

The band made its first public appearance at the freshman handshake, where it was enthusiastically received.

## FROSH JUMBLE SECOND ATTEMPT TO ELECT HEADS

More Ballot Stuffing Stops Proceedings; To Hold New Elections

PRINTED BALLOTS USED NEXT

The second attempt at an election of Freshman Class officers was made last Monday morning, with President-elect Jerome Laden as chairman of the meeting, Dean Palmer as unofficial adviser, and 97 of the 273 freshmen as the innocent "suspens."

A request by Dean Palmer for orderliness and honesty opened the proceedings. Immediately afterward nominations for the office of vice-president were called for, and O'Conner, Ackerman and Curran were proposed for the office.

A vote taken on these men resulted in the following distribution of choice, 92 ballots being cast:

O'Conner	37
Ackerman	35
Curran	20

At this time a point of order was raised to the effect that the nominations were not legally closed, no vote having been taken on the question. The motion was then duly made and produced a vote of 48 to 24 in favor of closing the nominations, thus making official the previous vote on the candidates.

Burnett, Billings and Arends were nominated for the office of secretary. The poll which followed showed a victory for Billings with 47 votes, while Burnett and Arends received 37 and 27, respectively, according to the count. Totalling 47 plus 37 plus 27 gives the figure 111, whereas actual count of those present showed only 97.

Upon protest from the meeting, a recount and an accurate count was made upon those same ballots, revealing that the winner was Burnett, who polled 37 votes, against 24 and 21 for Billings and Arends.

The conclave was now ready to proceed with the election of a treasurer. Nominations resulted in Edmonds, Richter and Jackson being named for this office.

Another protest now proceeded from the floor to the effect that the tellers were self-appointed, and all of the same department of engineering at the Institute. While this was being discussed it was further revealed that a block of ballots had been marked on the back with the name O'Conner, and then passed out to the voters with the blank side up. Upon this "expose" Dean Palmer declared all counts for that day un- (Continued on page 4, column 1)

## Archs' Copies of News Individually Addressed

In order to secure a more satisfactory distribution of the ARMOUR TECH NEWS, those subscribers who are at the Art Institute on Thursday morning of each week will receive their papers there in individual envelopes, personally addressed to them. The business department has finally resorted to this scheme as promising the best and surest distribution of the NEWS to the architects, who until this time have had difficulty in securing copies of the paper on Thursdays.

Students taking the architectural course and who are here at the Armour Institute buildings on Thursday mornings will receive their copies in the regular way at the circulation desk in the foyer of the main building.

**ARMOUR TECH NEWS**

Student Publication of the  
**ARMOUR INSTITUTE OF TECHNOLOGY**  
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 Published Weekly During the College Year

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**What's To Be Done About It?**

Our editorial of last week, headed "Armour's Annual Vaudeville," created considerable discussion, some kindly, much of it otherwise, among the student body. We should have been sadly disappointed if it had not.

We believe that the unfavorable comment, however, was due entirely to a complete misunderstanding of the article and its intent.

To clarify our position on the matter, we wish to enlarge somewhat on the subject thus brought up, and, if possible, to offer a few suggestions which might aid toward eliminating the cause of all the hubbub. Before proceeding with this article, we suggest a careful re-reading of last week's onslaught.

Regarding the misunderstandings: First, that article was construed by many to apply directly to the recent Senior Class election. The article specifically included all four classes, and all their sequels, the farcical attempt at a Freshman election last Monday being no exception.

It was further misconstrued, particularly by the members of the Campus Club, to be a direct criticism of the victories reaped by the non-fraternity factions. To the contrary, the non-fraternity victories as such were a very healthy reaction to a series of fraternity walk-aways in previous years. The article applied much more pointedly to the class of '29 election of last year than to that of this year. Nor did we by any inference condemn the actual campaigning among the factions. If any group wants to contribute a few nickels to the Illinois Bell, or invest a few of their good dollars for posters and campaign literature in order to advance their cause, that is their own concern, and a perfectly legitimate one.

To get back to the original subject, let us analyze the situation as a whole. We have a series of elections. Each is hotly contested; each stirs intense rivalry, and each precipitates several factions among the students. The nominations are opened, and probably two, maybe three men, are put on the presidential slate. There may be four or five factions or parties, each having their own idea of a choice, yet all do not obtain representation. The discretion as to who shall be nominated lies almost entirely with the chairman of the meeting, who, in the case of the upper-classmen, is the previous year's president. This chairman is usually very much biased as to whom he wants nominated, and when he wants the nominations closed.

There, as we see it, is the big flaw in the present system of choosing class officers. To this very condition we referred last week when we said the elections were unrepresentative. The actual number of ballots cast in any election for any one man means nothing, if the original slate upon which he appeared does not contain truly representative men.

And now a possible solution, if any, to correct the fault in the system. The presiding chairman must be a non-interested, unprejudiced individual.

Wabash College, of Indiana, attains this end by placing the four class meetings in charge of student committees of three, one to preside and two to act as tellers and general assistants, the appointment of these committees being vested in the Senior Council, which in turn is composed of a group of the distinguished men in the Senior Class. A faculty representative sits in on the meeting which draws up the committees.

Still different and very likely superior methods are in vogue elsewhere. Some effect the nominations through a nominating committee, which committee usu-

(Continued on column 4)

**BOOK REVIEWS**

ALBERT EDWARD WIGGAM

"The Fruits of the Family Tree"  
 "The New Decalogue of Science"  
 "The Next Age of Man"

By JOEL M. JACOBSON

"The Fruit of the Family Tree" is the best and most simple explanation of the causes and effects of heredity that the layman can read and understand. Clearly and simply, in the modest tone of a true scientist, he sets before us the facts of modern biology. The fight between the exponents of heredity and those of environment in the determination of character is subsiding. There is now but slight doubt that environment has but little effect in man's development except in that it changes the direction of the stream of heredity. (An unproven possibility.) The late researches into the ancestry of a number of typical families show this clearly. One family, in 200 years of existence, produced 12 college presidents, 65 college professors, 265 college graduates, 60 physicians, 100 clergymen, 30 judges, 80 public officers, 3 congressmen, 2 senators and 1 vice-president of the United States; while another family in the same time has given the world 310 professional beggars, 40 wrecked by disease, 50 prostitutes, 60 thieves, 7 murderers and 53 other criminals. What more proof is needed? In such a length of time the effects of poor environment can be safely disregarded, so that the history of such a family—one which has never produced a single useful citizen—cannot be overlooked.

Without the preparation of the "Fruit of the Family Tree" I would probably have never completed the second and later of Mr. Wiggam's books. His "ten commandments" antagonize me. Mr. Wiggam, laying down the law like a modern Moses, is not to my taste, and yet I feel sure that all he says is vitally important to the welfare of the human race. In other words, the "ten commandments of science" would have affected me much more deeply had they not been written in the tone of a biological alarmist.

Notwithstanding Mr. Wiggam's arrogant presentation, he has given us something worth thinking about. I, personally, have never believed that all men are born equal or will ever grow equal under the same conditions. This book strengthens my opinions with tangible proof. The author's conclusion is well worth considering: "The bright will always be ahead, and the dull will always be behind."

In reality the ten commandments are the methods Wiggam suggests for avoiding the results of his "third warning"—"that the highest triumphs of science are mainly enlisted on the side of race deterioration." Man, forsaking his natural outdoor life more and more, is gradually weakening. Couple this to the fact

that we are continually saving the weak, the diseased, the criminal, the insane, and the feeble-minded to reproduce their kind, and we have a truly momentous warning. Until society prevents these types from having children the race cannot advance.

The "tenth commandment"—"the duty of philosophical reconstruction," particularly interests me because a small part of the discussion is devoted to a rather new school of philosophy—naturalism.

"In this philosophy of naturalism the universe stands revealed at last in all its gaunt nakedness, as a mere machine without sympathy or purpose. Man is found to be a brother not only to the brute, but to the clod and the crystal. He sweeps for a brief moment round his little orbit, and passes into the trackless void with the same mechanical precision as the stars. Life, itself, instead of being the warm, pulsing thing which we have thought, is believed to be a mere phenomenon of matter. . . ."

If such an interpretation of life actually were accepted by the man on the street it would have one of three results, which one, being largely a matter of education. First, men may assume a sort of "eat, drink and be merry" philosophy. Second, it may cause the world to plunge into social and political revolution, each seeking to grab what he can. Third, it may cause the adoption of a "true liberalism, a true freeing of the human spirit" . . . resulting in a "civilization, not of power but of values, a civilization of beauty, gaiety and happiness; of social tenderness, sweetness and gentility; of intellectual and spiritual adventure, such as did characterize the old Renaissance and the most high and palmy state of Rome and Greece, and those other precious moments of history when society thought of men as persons and not as masses."

In his latest book, "The Next Age of Man," Wiggam has not the highly idealistic and sure attitude of the "New Decalogue." He repeats himself considerably, whole chapters being much like his earlier books. He is more practical, however, and reverts more to the methods of his first and best book. The practical means of carrying out the ideas of the biologist, birth control, is being misused. Where its purpose should be to prevent the reproduction of the unintelligent and unfit, it tends to do the opposite. Only the higher classes can secure the necessary information. "For example," the author says, "if I should mention at this point any method of birth regulation, I should be promptly and unceremoniously jailed as a common criminal." Whether or not such a situation can be remedied will depend on the efforts of Wiggam and the other biologists to change public opinion.

to the subject? Many students admit having spent eight and nine hours on this task. If it is necessary that we spend so much time, why do we not receive credit in proportion? Something should be done to remedy this condition of unbalance. —One of Them.

ENTHUSIASM is the dynamics of your personality. Without it, whatever abilities you may have lie dormant. You may possess knowledge, sound judgment, good reasoning facilities, but no one will know it until you discover how to put your heart into thought and action. A wonderful thing is this quality which we call enthusiasm. If you would like to be a power among men, cultivate enthusiasm. People will like you better for it; you will escape the dull routine of a mechanical existence and you will make headway wherever you are. —J. Ogden Armour.

**"THE SLIPSTICK"**

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

In the crowded street car  
 The homely lady stood—  
 And stood and stood and stood and stood  
 And stood and stood and stood.

"At last the worm has turned!" exclaimed the excited M. E. as he adjusted the gears.

She (indignantly): "I'd like to see you kiss me again?"  
 He: "All right; keep your eyes OPEN this time."

When playing poker, and all seems gloomy and hopeless, remember the words of Perry or John Paul Jones or somebody: "Don't give up the ship!"

Izzy: "What has three brains and dances?"  
 Dizzy: "I bite. What has three brains and dances?"  
 Izzy: "Ten thousand chorus girls!"

Though not definitely known, this remark is attributed to Napoleon or Socrates: "You can always tell a senior—but not much."

**The Slipstick Receives a Spirit Message**  
 Dear Slipstick:

—The Ghost of the Attic.

Professor Cooper: "Use vermilion in a sentence."  
 Bird: "My girl is ugly, but her old man is rich, and I'd like to have vermilion."

Nervous Patient: "Howinell do you take these capsules? Do you break 'em open?"  
 Irritated Doc: "No; swallow them, and they'll break open on your gallstones."

Griffith: "Why didn't you examine some of the stones around the campus as I told you to do?"  
 Rose: "I couldn't find the campus!"

Grif: "Well, didn't you see that blade of grass?"

An echo is the only thing that can cheat a woman out of the last word.

And don't forget, Freshie, the big Armour-Vassar football game will be held at 8:30 a. m. at Schommer Stadium next Saturday!

Our office record shows the enrollment of a freshman from Yuma, Ariz. Investigation disclosed the fact that he lived his entire life in that city, and has been happy. My! my! What a wonderful sense of Yuma he must have!

(Continued from column 1)

ally corresponds to the Senior Council mentioned above. Others have nominations by petition, which system works very smoothly and effectively. None have as much faith in human nature as we apparently had when our present system was adopted.

These are but a few of the possible solutions. The LETTER BOX welcomes any others that the students may have to offer. What is to be done about it?

**A \$500,000,000 Bonfire**

This week is Fire Prevention Week. Every year the National Fire Prevention Association sets aside one week in which to carry on an active campaign among the citizens and property-holders of the country, spreading propaganda in an attempt to reduce somewhat the half-billion-dollar annual fire loss which occurs in this country. Adding to this figure a little reading on the history of disastrous fires, makes one realize the appropriateness of such a campaign.

The first important fire of which we have authentic record is that of Rome, in 65 A. D. Emperor Nero is held responsible by many. It is known, at any rate, that he was notoriously slow about taking measures for the city's protection.

The Great Fire of London, with property damage of \$60,000,000, occurred in 1666. In 1812 the great Moscow fire consumed 51,000 buildings at a loss of \$150,000,000.

Within the last century many of the larger American cities have been partially destroyed by fire. The business section of New York City was practically wiped out in 1835 by a fire starting in a narrow, wind-swept street. The great Chicago fire of 1871 is said to have been started by a cow kicking over a lantern. The next year Boston had its great fire. In 1900 the Hoboken pier and steamer fire cost 215 lives. In 1906 San Francisco had its great fire following an earthquake, and with a loss of 200 lives and \$350,000,000 property damage.

And just the other day the newspapers were headlining the Madrid theater fire, the sixteenth great theater fire in the world since 1811.

Let us all give the matter of Fire Prevention some special thought this week. A small fire prevented may mean a big disaster averted.

**LETTER-BOX**

A. I. T., Chicago, Ill., Oct. 8, 1928.  
 Letter Box: Now that the courses at Armour are run on the semester-hour system, have the students any reason to expect that the figures given in the catalogue are true? In most cases, it seems that the instructors adhere to the system by assigning only enough work to require the indicated amount of time to be spent in preparation. In other cases, however, the student cannot possibly prepare his work in the time shown in the catalogue. The catalogue shows for Physics Laboratory, three hours in the lab. and two hours preparation each week. In this two hours "preliminary" must be written, results calculated, and a "final" written. Where is the students who can do all this in the time allotted

## Marvels of Radio Progress On View At Coliseum Show

By MAX SCHINKE

The latest marvels and discoveries of radio and electricity which have been developed in the immense research laboratories of the General Electric Company, Westinghouse Electric and Manufacturing Company, and the Radio Corporation of America, and the newest of the offerings of manufacturers of radio sets and accessories, may be viewed this week at the Seventh Annual Chicago Radio Show being held at the Coliseum.

Other than the development of television, no radical discoveries are incorporated in the sets exhibited this year. Since the radio set is now considered as a piece of furniture, it has been the aim of most makers to put them into beautiful consoles containing set, loud speaker, and power supply. On the other hand, numerous receivers are being displayed in sheet-metal cabinets, having all finishes from polished brass to fantastic shades of jade green and bright red.

### Automatic Tuning Exhibited

Gone are the sets having three or four dials and several knobs. Single dials of artistic design, with switch and volume-control knobs, have amply proven to fulfill all requirements. Two companies have sets with automatic tuning. In one—the Zenith—levers provide this means of simplified tuning. The station desired is secured in the usual manner on the dial. A small cap on the top of the automatic lever is then unscrewed, the lever pressed down and the cap tightened. Whenever this button is then pushed, the station at which it is set is tuned in automatically. Several such levers are provided. Regardless of these settings, the dial can be used in the usual manner to tune in other stations.

### Most Sets All-Electric

Alternating current electric sets are almost universal, although several manufacturers are selling receivers to be used from light sockets in direct current districts. The A.C. sets employ the new tubes using low potential alternating current secured from a transformer for filament lighting and a built-in "B" eliminator for plate supply.

Improved tone-quality, secured by means of special power tubes, push-pull amplification, and power speakers, is featured in almost all receivers. In the past it was hard to eliminate distortion when the set was delivering sufficient volume only to fill a room, while with this season's models an auditorium can be filled with lifelike music and speech.

Dynamic cone and air-column speakers predominate at the exhibition. The usual type is a small cone about eight inches in diameter, made of leather. In place of a diaphragm is a low-impedance moving coil placed in a strong magnetic field set up by field coils which are operated by direct current either from a storage battery or power unit. Several speakers have a built-in rectifier and filter system so the field current is obtained from the A.C. lighting lines. The moving coil is coupled to the amplifier by means of a transformer. More perfect reproduction is secured in this manner.

A number of units designed to change any battery-operated receiver to a light-socket set are displayed. When these are used, all the special-purpose tubes, such as high- $\mu$ , shield-grid, and special detectors, may be employed.

### More Short-Wave Sets Noted

A number of different short-wave receivers have been perfected for general use by the public. These are both in the form of complete sets and in units for transforming a regular set to receive high-frequency signals. All employ plug-in coils to cover the complete range of short-wave bands. Shield-grid tubes were (Continued on page 4, column 3)

## 1927 Fire Losses Show Decrease, Says Survey

For the first time since 1919 tangible evidences of success in the eternal battle with the common enemy, fire, are available for this year's consideration of the national fire problem during Fire Prevention Week, October 7 to 13.

The 1927 fire loss estimate of \$478,000,000 is a decrease of \$82,000,000 as compared with the loss of 1926, and is the first time in seven years that there has been an actual dollar decline in America's annual losses by fire.

This is especially important when it is considered that during this seven-year period more than \$7,000,000,000 worth of new construction each year has been added to the fire risk, which now reaches a total of \$50,000,000,000 worth of new buildings in the United States for the period.

More than 200 American cities show a decrease in fire waste for 1927, say investigators of the National Lumber Manufacturers' Association, who have made a careful study of fire statistics in each state and for the most important cities.

New York, Chicago and Philadelphia—the three largest cities of the nation—each show a decrease in fire losses in 1927.

## Stabovitz Heads Chem. Engineering Society

A week ago Wednesday the first meeting of the A. I. Ch. E. was held. John Attwood, '29, as chairman, gave a summary of the purposes of the society and outlined the plans for the present semester. Nominations were then declared in order for president. A. J. Stabovitz was nominated and elected to the office by a unanimous vote. The other officers elected were: Vice-President—J. E. Tarman, '30. Secretary—Sturm, '30. Treasurer—Linnel, '29.

## H. TURK, '29, RECEIVES BEAUX-ARTS MENTION

The judgments of the Beaux-Arts Institute of Design summer projects received last week were as follows: Mention in Class B projet, H. Turk, '29.

One half mention, Class B, A. Crizevsky.

H. C. Class A projet, T. E. Samuelson.

A mention gives the student one value and similarly a one-half mention entitles the student to one-half value. An H. C. means that there were errors in the drawing and for that reason full credit could not be given.

This competition was open to all junior and senior architectural students taking courses at summer school at the Art Institute.

Mr. E. H. Reed, professor of Architecture at the Art Institute, will conduct a local re-judging of last year's Class B V. projet, which requires the immediate return of all projets taken away. These drawings were previously judged at New York by the Beaux Arts Institute of Design.

## Prof. Freud Installed Chairman Chicago A.C.S.

The Chicago Branch of the American Chemical Society, which last spring elected Dr. Benjamin B. Freud, professor of Organic Chemistry here, to the position of chairman, held its first meeting of the season on Friday evening, September 28, at the City Club.

The principal speaker of the evening was the retiring chairman, Dr. S. L. Kedman, whose address was entitled "The Tools of the Chemist." In this paper he compared the laboratory of the medieval alchemist to the workshop of the present-day scientist. The meeting was well attended. Several Armour professors and students were present.

## Examinations For Removal of Conditions Posted

- Tuesday, Oct. 16th**  
2:00 P. M.  
Organic Chemistry (Ch.E. and F.P.E.)  
Assoc. Prof. Freud, Room C, Main Bldg.
- Wednesday, Oct 17th**  
10:30 A. M.  
Thermodynamics (M.E.)  
Steam Power Plants (E.E.)  
Assoc. Prof. Nachman, Room A, Chapin Hall
- 2:10 P. M.  
Quantitative Chemistry  
Assoc. Prof. Tibbals, Room C, Main Bldg.
- 3:00 P. M.  
Precision of Measurements  
Assoc. Prof. Doubt, Room A, Chapin Hall
- Thursday, Oct. 18th**  
2:10 P. M.  
Physics I, II, III, and IV.  
Prof. Wilcox, Physics Lecture Room
- Friday, Oct. 19th**  
2:10 P. M.  
Engineering Mechanics I and II  
Applied Mechanics (Arch.)  
Hydromechanics  
Prof. Paul, Room B, Chapin Hall

Students entered in these examinations are advised to see their instructors as soon as possible so that proper arrangements may be made.

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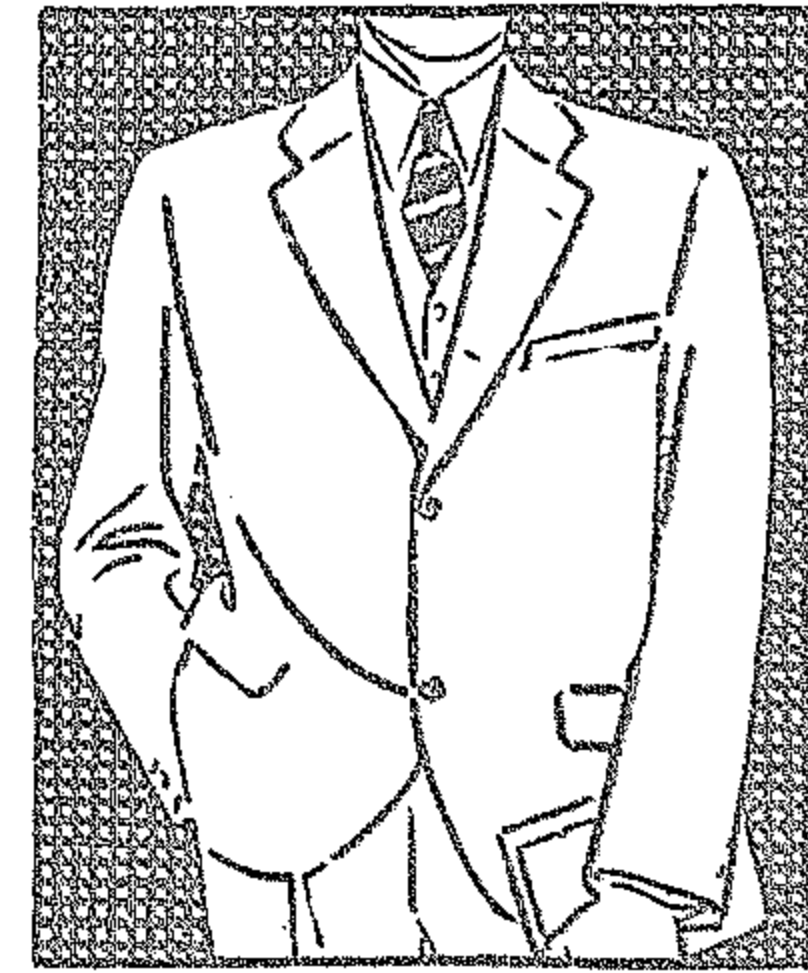
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## JUNIORS DEFEAT SOPHS IN CLASS BASEBALL TILT

### Paul's Homer Features Contest

The Juniors, with Simpson on the mound, won the interclass baseball tournament October 3 at Ogden Field by defeating the Sophomores, in which Paul scored the only run of the game by hitting a homer over the left-field fence in the third inning.

The encounter was a beautifully pitched struggle by two star hurlers, Simpson and Stehno. Simpson had the better of the duel, throwing the sphere past the Sophomores with such skill that fifteen of them fell a la strikeout route. Three others hit infield grounders, while Miran, the Soph. shortstop, got the only hit off King—a line double over the right-field fence in the first inning, after running the count to 3 and 2.

Stehno, although not as effective as Simpson, pitched great ball, by giving the Juniors only two hits—one a double by Simpson, the other Paul's homes, which he propelled over the left-field fence. This last blow proved to be the decisive one, as there were no other scoring threats from either side.

At the outset nobody would have given a whoop for the Sophs' chances, but as the game progressed they exhibited a staunch defense behind some fine hurling, only to lose out on Paul's circuit drive. Their weakness at bat was partly due to Simpson's strikeout ball, which had everybody baffled but Hensen, who went out twice, shortstop to first.

The only error of the game was committed by Hensen in the second inning on a hard-hit ground ball by Griffin, which bounded out of Hensen's glove, advancing Simpson, who had doubled, to third. In the fifth inning the Sophomores started out as if intent to tie the score, but a fine play by Weldon, the Junior catcher, nipped the Sophs' chances. In this frame Hensen placed a bunt down the first-base line, which Weldon fielded with great speed and with an accurate peg got his man at first base by an eyelash. The crowd showed its appreciation of the play by applauding the effort. The contest brought to a close one of the most popular baseball tournaments ever staged at Ogden Field.

#### THE LINE-UP

Juniors (1)	Sophomores (9)
Ransel, c.f.	Hauser, c.f.
Weldon, c.	Mago, 3b.
Aste, s.s.	Miran, s.s.
Reichle, 2b.	Robin, 1b.
Simpson, p.	Hensen, 2b.
Kribeck, 1b.	M. Lane, r.f.
Griffin, 3b.	Kutteruf, l.f.
Bechtold, r.f.	Link, c.
Paul, l.f.	Stehno, p.

#### SCORE BY INNINGS

Sophs	0	0	0	0	0	0	1	1
Juniors	0	0	1	0	*	1	2	0

## Frosh Jumble Second Attempt At Election

(Continued from page 1) official, and decided that, keeping the same nominees, a printed ballot was to be drawn up, which was to be voted upon at another meeting at a later date.

To make a complete ballot, nominations for the position of social chairman were received, at which time J. M. Johnson, Chapman and Scanlan were put on the slate.

The meeting then adjourned of its own accord, no definite time being set for the final election, though it was the opinion of Dean Palmer that it would have to be held after classes were dismissed, on some day at 5 o'clock.

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## 4th Round Of Fall Golf Tourney Ends

This week marks the end of the fourth round of the annual golf tournament, leaving four men and two rounds left to be played. The contests have, in the main, been played well before the closing dates, one match of the fourth round having been contested before Monday of this week, placing Briggs in the semi-final round by virtue of a win over Joe Bechtold, 6-5.

Probably one of the closest matches was that between George Jennings and Abel Gent. This match went to the extent of 27 holes before Jennings could subdue his opponent. Baldwin will hook up with Jennings in the next round, and this promises to be quite a battle. As yet, Baldwin has not engaged in any competition in this tournament, having moved up in the bracket by reason of default. In all there have been five defaults out of a total of thirty-two starters.

Monday of next week should see the championship decided.

## Former Cycle Editor Bound For Australia

(Continued from page 1)

out two sets of bands, sixteen spark-plugs, ten tires, and our entire combined vocabularies. That (deleted) bus was running on hot air and prayers (?), but it came to an end finally. We sold it for \$7.50 and blew ourselves to a chow mein dinner in Chinatown.

#### Sheepskin vs. Seaman's Haircut

Well, as the story goes, the two collegians went out to get a job on a boat to the Orient. After four years college, we thought some company would see the advantage of having us in their employ. But strange to say, they all were ignorant (deleted) (deleted) and turned us down cold. Imagine! Well, we finally discarded the "Joe Collich" act, gave each other a seaman's haircut and entered the ranks of the unemployed. But you have to have discharges to get signed on, as work is very scarce, and we wandered all over the dock until finally we hit this one job. Didn't look like a chance of getting one together, so I took it. And so here I am, in the fo'castle of this tub bound for Australia, after loading lumber at Aberdeen and Seattle. God knows where Mac is. I left him in Frisco, and won't know what he's doing till I get some mail, if ever.

If any of you boids ever want to work real badly, get a job as wiper on some ocean going dory like this one. I'm a sea going janitor whose sole business is to do all the dirty work that the engineers and the firemen and oilers don't want to do. We have to climb into the boilers and rake out the muck, blow tubes, manure floors, plates, shine brass and wipe up grease, all in a temperature that bids fair to rival that of hell fire.

But after your eight hour day you eat like a horse and sleep like a log, if you can cling to your bunk. Half the time the ship is rolling on its beam ends and you're too busy dodging the flying article to sleep. But it's a lot of fun and I'm having a (deleted) good time and a lot of exercise. Anyway I'll be back before you buns get flunked out. Don't forget to manicure your nails.

"Kent Parker."

## TECH RIFLE CLUB HAS MEETING WED. ELECTS OFFICERS

Last Wednesday, October 3, the Armour Tech Rifle Club held its annual meeting. Election of officers was held and the following were all unanimously elected:

President—S. Pulaski.  
Vice-President—S. Janiszewski.  
Secretary—C. Rambolt.  
Treasurer—F. Farrell.  
Sergeant-at-Arms—J. Jacobson.  
Range Officer—L. Statkus.

Each member of the club elected to office was chosen on his merits. The ability of these men to function in their respective offices has been demonstrated by their interest in the club during the past year.

The dues of the club are very small and entitle the members to unlimited use of the club's equipment and rifle practice. Many freshmen were in attendance at the meeting.

The range is open to members during the following days:

Monday ..... 1:00 to 5:00  
Tuesday ..... 10:30 to 12:30  
Wednesday .. 1:00 to 5:00  
Friday ..... 1:00 to 5:00

A range officer has been assigned to each period and is responsible for the students on the range. His duty is not only to oversee the range, but to give instructions in the technique of rifle marksmanship.

The Rifle Team has lost several members by graduation and needs new material. Every member of the club is eligible for the team. High-point men will be selected to fire in competitions.

## Marvels of Radio Progress Viewed at Coliseum Show

(Continued from page 3)

used by some in a single stage of untuned radio frequency amplification.

In the "Theater of Wonders," in the south balcony, may be seen mysterious demonstrations of the latest scientific achievements. A piezo quartz crystal oscillator which is used to keep broadcasting stations exactly on their assigned frequency was included in the devices shown here.

Other exhibits include the smallest synchronous motor ever built; a new radio-photo device which can transmit a five-by-eight inch photo in about one minute; a photo-glow tube which by its sensitivity to light and shadow can perform and control numerous operations.

The first audion tube made by Dr. Lee De Forest is one of the features. This bit of glass and metal made modern broadcasting possible. In only fifteen years this tube has created a giant industry.

Television is here! This is proven by the exhibit of the Carter Radio Company. However, at the present time it is only for the experimenter. The pictures received are small, indistinct, and the apparatus is costly, delicate and crude. Much research and improvement is necessary before the general public will be able to tune in perfect pictures in addition to sound.

## Armour Tech Students Usher At U. of Chicago

For the past few years Armour students have had the privilege of ushering the home football games of the University of Chicago, and this year, as before, tickets are available. This year our allotment of tickets is 150, and that means when 150 badges are distributed, 150 men should be on hand for usher duty. However, such was not the case at the South Carolina and Wyoming games. At the Carolina affair 28 men were missing, and 30 at the Wyoming game. That means that those men who failed to make their appearance at Stagg Field at the assigned hour have forfeited their badges. Continued abuse of the privilege extended to us by the U. of C. may mean a complete cancellation of our entire allotment.

According to recent announcement, gateman tickets will be available for the Navy-Notre Dame game to be played at Soldier Field October 13. Ushers of good standing at the U. of C. games will be given first choice. Such an attraction should be an inducement for all ushers to observe all rules as laid down by the officials in charge.

In this connection, please observe the following rules while on duty:

1. Be on time (12:15).
2. Wear suits—not sweaters.
3. Be courteous.
4. Give your best as an usher.

Tickets for next Saturday's games

## TENNIS TOURNAMENT TO BE STARTED SOON AT ARMOUR

### Matches To Be Played As Per Schedule

The tennis tournament, although a little late in getting under way, will be definitely started and played according to schedule. This tournament, like the golf and baseball tournaments, gives the coach a chance to get a line on new material for the varsity squad, and should bring out a bunch of good material. Positions are open on the varsity due to graduation of two of last year's squad. Thus the winners of this affair will be in line for consideration for next season's team.

Captain Stellar is in charge, and will handle the matching of all contestants. He announces that sixty-three men have entered and that the first round must be played by Sunday, October 14. Each match will be a singles game of three sets, best two out of three, and may be played anywhere suitable to the contestants. The semi-finals and finals, however, must be played on the Institute courts, and will probably be played not later than October 24 or 25.

will be distributed in the south end of the main lobby Friday morning at 9:30 o'clock. Additional Chicago badges will be distributed.

## INTERCLASS BASEBALL NOTES

Real hot summer weather prevailed and a great number of students turned out to view the final game in the interclass baseball tournament. The Junior class was well represented, applauding everything done by their team. The Sophs likewise had a large crowd to cheer them on.

Paul's home run in the third inning was a line drive over Kutteruf's head. Kutteruf started back with the sound of the bat, but the fence stopped him.

Miran's double off Simpson in the first inning was a legitimate hit. With the count 3 and 2, Miran swung with big-league poise and drove a line drive over the fence into the gas engine lab.

Johnnie Yount umpired the game and did a good job of it.

Griffin surely raised a lot of chatter down at third base for the Juniors; reminded us of Gabby Hartnett on one of his good days.

One of Simpson's fast curve balls glided off Weldon's glove and jolted

one of his fingers, but after shaking the hand for awhile he continued catching. By the way, Weldon did a good job of catching Simpson.

After Paul's "homer" Stehno was heard to say that that was all the hits the Juniors would get, and he kept his word by pitching perfect baseball, after the damaging blow.

Coach Krafft sat in the stands and scouted for prospects for his next year's team. The way the fellows played looks like he will have to offer a lot of contracts.

Stehno and his mates tried to beat Simpson with strategy. King was putting so much stuff on the ball that Weldon continuously dropped the third strike, necessitating a throw to first; therefore the Sophs worked out a scheme that if the batter saw a third strike coming he was to drop his bat and make a dash for first.

Stehno evened up matters with Paul by striking him out in the fifth inning, after which the Sophs had their last bats without success, three men striking out to end the game.

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