



A.T.S.A. PLACES TICKETS ON SALE FOR DAD'S NIGHT

Complete Plans for New Social Event

Black dad's tickets and yellow son's tickets for Armour's first Dad's Night were placed on sale last week by the A.T.S.A., under the direction of C. W. Dunbar, in charge of ticket sales. The dad's tickets are priced at \$1.30 and the son's tickets are \$0.90.

Hold Meeting of Leaders
Like an approaching avalanche, the forces promoting Dad's Night are gathering momentum. Last Thursday the A.T.S.A. called a meeting of all class officers and presidents of fraternal and society groups at Science Hall. There the importance and significance of a successful Dad's Night was discussed with those present. They will, in the main, be the ones who will sell most of the tickets.

A. P. Schreiber, speaking for the A.T.S.A., outlined the purposes of Dad's Night, the type of an affair it will be, and the plan by which the tickets are to be sold.

Appoint Men to Sell Tickets
The sale of tickets will be conducted by men representing both the classes and the departments. A list of those men from whom tickets may be purchased follows:

Senior Class: J. C. Stern, C.E., manager; J. F. McCauley, F.P.E.; A. A. Sobolik, E.E.; L. E. Zwissler, C.E.; J. A. Haase, Ch.E.; L. J. Janas, M. E.; and N. Gerber, Sc.

Junior Class: W. J. Chelgren, M.E., manager; C. K. Nauman, M.E.; J. Dunne, Ch.E.; R. F. Beardsley, F.P.E.; G. A. Palka, E.E.; and W. Schlax, C.E.

Sophomore Class: W. E. Kruse, manager; R. R. Tullgren, C.E.; F. C. Mitchell, M.E.; H. C. Anderson, F.P.E.; and R. I. Jaffe, Ch.E.

Freshman Class: D. H. Sunde, manager; J. P. Ransel and J. Winslow.

The faculty representative is Professor P. C. Huntly. J. D. Sheehan will manage the sale of tickets through clubs and fraternities.

The representatives of the various clubs and fraternities are N. Gerber of the Sphinx and Chess club, W. Laise of Delta Tau Delta, P. M. Mar-

(Continued on page four)

Armourites Laud Diana Bacchanale

Smooth Music, Floor Levels Please 'Astaires'

The spirit of the ancient "Bacchanale" was truly present at the modern conception of this ritual as presented by the Armour Arx last Friday. This first social affair of the current year at the beautiful Diana Court had all the spontaneous gaiety and friendliness so essential to any enjoyable dance. A little over five hundred guests stomped and swung to the Royal Club orchestra's catchy rhythms.

Floor Not Crowded
Dancing got under way soon after nine o'clock, many arriving rather early, in order that their terpsichorean accomplishments might be displayed to best advantage before the floor became crowded. The crowd did not reach the uncomfortable stage at any time.

The three dancing levels were found pleasantly unique and "Bojangles" himself would have turned green (?) with envy at the up-and-down-the-stairs routines gone through by Armour's Astaires.

Romantic Atmosphere Prevails
Armour men were able to impress their girls with the sophisticated setting of the modern Court of Diana. Its fashionable balconies and simple furnishings and the tuneful rhythms of Art Wise and his Royal Club orchestra contributed to lend a romantic air that made the strains of the last dance seem to come much too soon. Congratulations to Tom Cunningham and Wally Litwin and all the Arx.

Chi Epsilon Pledges Six to Membership

Chi Epsilon, honorary civil engineering fraternity, pledged six men to its membership at a public pledging held last Friday morning preceding the local W. S. E. meeting. Professor J. C. Penn, honorary member of the fraternity, explained the ideals and principles of the fraternity and the recognition it affords to civil engineering students who are high in scholarship and have other requisites of a good engineer: character, practicability, and sociability.

L. Zwissler, president of Chi Epsilon, introduced the men who were chosen for membership. Seniors pledged were M. Herz, M. Jaedtko, J. Smid, and S. Taradash. F. Palonis and W. F. Schlax were the juniors pledged. The pledge ribbon colors are purple and white.

Chemicals Hear Talk on Water Treatment

"Water and Sewage Treatment" was the subject of an informative and interesting talk given by Mr. H. H. Gerstein, district chief of the city Water Purification Department and an alumnus of Armour. According to Mr. Gerstein, the pollution from surrounding industrial districts has created a problem which has taxed the ingenuity of municipal chemical engineer. With the present chlorinating system, the phenols and other impurities from the industrial plants sometimes combine with the chlorine to give the water a very objectionable taste. Instead of the usual four pounds per million gallons, as much as eighteen pounds are necessary under these conditions. Unsuccessful efforts have been made to induce the offending companies to dispose of their own pollution.

Install Plant at Crib
An ammonia chlorine mixture was found to give better results, but more time was required by this method. In the district where pollution was greatest it was decided that the purification plant be installed at the crib itself instead of the pumping station.

Purification Plant Important
This method, according to Mr. Gerstein, is not the final solution to the problem. Sentiment in favor of a filtration plant has been growing, and favorable action is expected in regard to a plant at 79th street within a short time. Mr. Gerstein believes that the field of water purification is becoming of increasing importance to the chemical engineer and offers great opportunity.

Dr. M. A. Grossman Speaker at A.I.E.E.

Dr. M. A. Grossman, who is research director at the Carnegie-Illinois Steel company and who is well known at Armour through his work with Professor Carpenter in laboratory research several years ago, spoke at the regular meeting of A.I.E.E. last Friday on "Composition and Heat Treatment of Electrical and Magnetic Steels. His lecture included an explanation of the crystalline theory which has recently been advanced to explain the behavior of metals in a magnetic field, and he named several of the most used steels and alloys in the manufacture of permanent magnets.

Of particular interest to some of the men was the permalloy magnetic chart which shows the permeability of the alloy for various proportions of the alloyed metals. The curve reaches a sharp maximum at a composition of 78% nickel and 22% iron, making the graph appear like an inverted picture of an icicle on a telegraph wire.

Parallel with the electrical advancement in the field of transformers and alternating current machinery, the metallurgical development in electrical steels necessary for transformer cores and alternator applications has proceeded at a rapid rate.

BIDS FOR SENIOR INFORMAL GO ON SALE THIS WEEK

Coupling the beautiful Gold Room of the Congress Hotel with an outstanding orchestra, the seniors will hold their annual "Senior Informal" Friday, November 27, from nine to one o'clock. The bids which will be placed on sale this week are to be at \$1.50. They are of novel design, made of metal with black suede envelopes.

To Play Armour Songs
Jack Russell's popular eleven-piece N.B.C. orchestra has been selected for the dance. He has made special arrangements in order to play the "Armour Fight Song" and a fraternity medley. The Gold Room is considered as the most beautiful room of its kind in Chicago. It ordinarily accommodates 1000 people and provides ample space for dancing. It has been arranged so that Armour is to have use of the two lounges adjoining the Gold Room, the spacious corridor leading to the room itself, and the cozy balcony of the room. Armour students will be welcomed at the Glass Hat and the Congress Casino Lounge (both cocktail lounges) where they will be exempt from minimum and cover charges.

During Thanksgiving Vacation
According to Arthur Dreis, senior social chairman, there will be no home work for day school students and no classes for the evening students which should stimulate interest in the dance.

Install Larger Water Tank in Main Building

A new, modern water reservoir was installed last week in the attic of the main building to replace the old tank which burst several weeks ago. The old tank had been used since 1891 to supply water to the school for purposes other than drinking.

Supplementing the old tank with its riveted connections and simple iron construction is a six-piece, steel, arc-welded reservoir 22 feet in circumference and 7 feet 10 inches high. Due to the excessive size and weight of the individual sections it was necessary to hoist them from the first floor to the attic by means of a windlass. This operation resulted in only minor damage being done to a wall opposite the drafting room entrance.

Several important devices for eliminating any leak or overflow are incorporated in the tank. This includes an overflow pipe leading to the boiler room in the basement and a small trough around the tank at the bottom to take care of small leaks. The leak in the old tank resulted in the ruining of several ceilings. These were replaced at considerable cost.

Colonel Davis Talks on Military Leaders

Colonel Edward A. Davis, retired military officer formerly the commander in charge of the Sixth Corps Area, was the guest speaker at the Armistice Day Assembly held last Wednesday, November 11. The glee club and orchestra preceded the speaker with a musicale, and, following the assembly, classes were dismissed for the balance of the day.

The simple characteristics of great men was the keynote of Colonel Davis's talk. Because of his close acquaintance with many of the outstanding leaders of the World War the speaker was able to describe several kings and generals such as King Alexander of Jugo-Slavia; Lord Allenby, the great English general who fought in Palestine and Egypt; and Field Marshal von Hindenberg of Germany. At the conclusion of his address Colonel Davis advocated more centralized control for the Federal Government and denounced the waste and inefficiency of local government.

Tickets Are Now on Sale For Play

With the perfection of the Armour players' production now rapidly approaching the standard set by last year's group, Mr. W. B. Fulghum, director of the players, announces that tickets are now on sale, and may be purchased at the book store for the price of ten cents. The play, "Waiting for Lefty," will be given in the Mission on Wednesday, November 25.

"Waiting for Lefty" is well named since all the members of the workers' union are waiting for "Lefty" to appear at their meeting before taking steps toward declaring a strike. The climax of the play is reached with the announcement, "Lefty" has been murdered." The unusual aspect of the play is illustrated in the omission of a solution for the particular labor problem involved.

Ten Men Are Pledged to Alpha Chi Sigma

Ten students in the chemical engineering department were pledged to Alpha Chi Sigma, national professional chemical fraternity, last Friday. The three sophomores and seven juniors pledged were: N. K. Anderson, '38; E. C. Berger, '38; J. Danek, '38; J. Dunne, '38; J. D. Keane, '39; G. F. Morris, '39; P. J. Peltier, '39; L. B. Poskonka, '38; G. Thodos, '38, and E. F. Wagner, '38.

The new and spacious quarters in the Armour flats are being extensively decorated, so the pledging was held at the Phi Lambda Upsilon rooms. Dr. J. A. Shaad, new instructor in chemical engineering and faculty advisor of Armour chapter, was introduced to the new men. Dr. Shaad was formerly a member of Zeta chapter at the University of Illinois.

Hold Soph Smoker on November 25

Will Have Use of Rooms at Lawson Y. M. C. A.

On November 25, the Sophomore Smoker and Splash Party will open the 1936-37 social season for the class of '39. Tickets for this party, which will take place one week from tomorrow night at the Lawson Y.M.C.A., can now be secured from any one of the class officers or members of the social committee.

John J. Schommer to Speak
Plans include the use of Lawson Y.M.C.A., which is located at Chicago Avenue and Dearborn Street. A better site for this event can not be found. The Lawson "Y" affords spacious club and game rooms, a beautiful swimming pool, locker facilities.

During the first part of the evening, John J. Schommer will speak in his own inimitable way to the sophomores. It is not necessary to expound herewith upon all the rare and enviable qualities possessed by this famous Armour Tech professor and Athletic Director. They are well known, and the mere mention of John Schommer's name will cause the weakest heart to fall in line with those who have already purchased their tickets.

To Serve Cider and Doughnuts
Cider and doughnuts—conventional Armour refreshments—will be served during the course of the evening, which will include swimming, sport, card-playing, and a royal participation in "make-up" bull sessions.

Free bids will probably be sent to the presidents of all leading Armour Tech organizations. Sophomores are reminded that their friends are welcome to come and join freely in all the party activities.

Tickets at 50 cents per person can be purchased from the following men of the class of '39: B. G. Anderson, H. S. Anthon, I. Footlik, R. I. Jaffe, E. C. Mitchell, R. Starrman, W. Steward, and R. R. Tullgren.

Phi Lambda Upsilon Pledges Seven Men

Armour's branch of the honorary chemical fraternity, Phi Lambda Upsilon, has pledged another science student among its usual quota of chemical students. H. L. Bliss is the senior science student. The chemical pledges are F. D. Hoffert, M. L. Holland, R. M. Levy of the senior class of '37, and N. K. Anderson, W. K. Marshall, E. F. Wagner, who are members of the junior class of '38.

The above seven men of Armour were given their pledge vows last Tuesday night, November 10 in the Tau Beta Pi rooms and were given the pledge ribbons which they now wear on their coat lapels. Ribbon colors are litmus red and litmus blue.

Science students, because of a wide choice of electives, are able to guide their study along the line of any department they wish, whether it be mechanical, electrical, or some other type of engineering. Therefore, science students that are selected to pledge Phi Lambda Upsilon are those men who have chosen to major in chemical engineering.

A.S.M.E. Sees Movie on Auto Production

"Master Hands," a motion picture produced and shown through the courtesy of the Chevrolet motor car company, was shown last Friday at the meeting of the A.S.M.E. Pictures of the production of the modern motor car from the foundry to the final assembly lines were vividly portrayed.

Show Mass Production Methods
Highlights of the film were the mass production methods, and the complexity of the automatic machines, climaxed by the gigantic presses for forming the solid steel body tops.

A short business meeting was called to order by President S. Miner before the pictures were shown.

Two student speakers, I. Thomas and H. Nicholas will speak at the meeting on Nov. 20. Their subjects will be in order mentioned, "Technical Aspects of a Trip West" and "Tool Rebuilding." The speeches will conform with the convention competition and will be judged by student judges picked for the occasion.

Hold Special Meeting

A special meeting will be held Nov. 24, at Science Hall. Mr. W. E. George, a representative of the American Steel and Foundry Company, will tell about the things to be noted in the inspection trip Wednesday, November 25. All arrangements concerning transportation should be sent to J. Hlousek.

Plans for the annual smoker were discussed with details to be announced later. This smoker will be held December 2 in the Student Mission.

Soil Mechanics Topic at W.S.E. Meeting

At the W. S. E. meeting, Mr. A. E. Cummings delivered a talk on the practical application of soil mechanics to foundation problems. Mr. Cummings, who is employed by the Gow Concrete and Foundation Company, has spent many years in the study of soil mechanics. According to Mr. Cummings, the lag of research in soil and foundations behind research into structural design of buildings has been caused by the more involved mathematics needed in the former problems. In order to explain more closely he used several slides showing the stress analysis of a simple beam alongside of an analysis of a footing problem.

Most of the progress, he stated, has been made within the last 20 to 25 years, but progress will be more rapid when the architects and engineers exchange their ideas on soil and settlement problems more freely.

W. J. CHELGREN IS ELECTED JUNIOR CLASS PRESIDENT

Dunne, Healy, Schlax, Seidenberg Are Poll Victors

USE RUN-OFF ELECTION

W. J. Chelgren, leader in the preliminary election, was elected president of the junior class in a run-off election held last Tuesday, November 10. "Bill" Chelgren, as he is known to his classmates, is an assignment editor on the News, secretary of the A.T.S.A. Board, and secretary-treasurer of the musical clubs as well as a member of the mechanical engineering department.

Almost 100 Per Cent Vote

W. F. Schlax, civil engineering student, was elected as vice-president; J. Dunne, chemical engineering student, was elected as secretary; I. Seidenberg, mechanical engineering student, was elected as treasurer; and S. E. Healy, mechanical engineering student, was elected as social chairman.

In the preliminary election held on November 6, 139 of the 163 members of the junior class cast ballots, but in the run-off election 157 juniors, almost 100 % of the class, cast their ballots.

Run-Off Balloting Also Close

The ballot of the run-off election contained the names of the two candidates for each office who had received the most votes in the preliminary election.

In the run-off election the returns showed the voting to be close. Many men were elected to office by narrow margins. The complete returns from the election as stated by the election committee of C. Basile, C. Dunbar, W. R. Marshall, G. A. Palka, and I. Seidenberg are as follows: For president W. J. Chelgren, 92, W. P. O'Brien 65; for vice-president W. F. Schlax 86, R. M. Faust 71; for secretary J. Dunne 102, R. F. Beardsley 56; for treasurer I. Seidenberg, 95, C. K. Nauman, 63; and for social chairman S. E. Healy, 99, R. E. Worcester, 58.

Armour Grad Talks On Electrical Codes

Members of the F.P.E.S. were privileged to hear a talk last Friday in the physics lecture room by a man well known in the electrical field, Mr. Victor Tousley. Speaking before the group on the subject "Prevention of Fires in Electrical Hazards," Mr. Tousley thoroughly discussed the National Electrical Code and cited a few of the important advantages to both manufacturer and consumer of a national set of rules and regulations governing the installation and use of electrical equipment.

The National Electrical Code, in existence for approximately fifty years, was formulated to reduce the number of fires and fatalities resulting from improper installation of electrical appliances. The national government found it impossible to draw up such a set of rules due to state hindrances. The work was subsequently taken up by a committee of interested individuals. As a result of their work, the code, in its present revised form is recognized in most of the 48 states and is strictly complied with.

That the code has accomplished its purpose is very much evident by comparing fires and accidents resulting in both the electrical and automotive fields from the increased use of electricity and automobiles. Increased use of automobiles has resulted in a proportional increase in accidents and fatalities, whereas an increased consumption of electricity has led to no appreciable rise in the number of fires and fatalities. According to Mr. Tousley, this is directly due to the National Electrical Code.

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Dad's Night

Armour's engineers and architects are faced with the most novel and advantageous situation in years—that of being offered the opportunity of founding a Dad's Night and of doing some Christmas shopping early. In formulating the plans for Dad's Night, one of the objections raised was that the date was too close to Christmas and that many fellows would say, "Say Dad, may I have three dollars to take you out?" Our viewpoint is, let's treat our dads—make this the first item on our Christmas budget!

We wonder how many of us have even considered a budget. One dime a day, starting today, would easily meet the expenses for December 19. We feel certain, too, that our dads would have an exceptionally fine evening. No matter how much we tell them about school, it cannot be real to them without the background which a natural conversation among students will supply. In materializing Armour into a friendly, warm place, we will create for many of our dads a new home, and for many more an alma mater which they can adopt. The net effect will be to increase the strength and effectiveness of the alumni, not twofold, but at least fivefold—our dads will join us as alumni.

The importance of such an affair can hardly be over-estimated, yet its importance doesn't make it less attractive. Commencing with an eight course dinner in such admirable surroundings as only the University of Chicago can supply—the university campus in general, and the Reynolds Club and Mandel Hall—one which the Armour campus will soon attempt to compete with, the assembly will be entertained by interesting after-dinner speakers and the musical clubs. After the ensuing basketball game, the evening should really get under way.



While this column is being "put to bed", as the journalist's lingo goes, the lilting melodies of the Arx Dance will have just started. Such being the circumstances necessitates a "pre-death post mortem" for want of a better definition. When you read this the past tense will be the past tense but when this was written the past tense will still be the future tense. Get it? I don't. Check this for its accuracy (better than the Digest Poll, I hope). The majority of the crowd were Arx. The Junior Massier rushed around hither-thither making sure that everything was all right.

The New Street-Cars

The introduction of the new "streamlined" street cars to the people of urban Chicago makes another step forward in the Chicago traction companies' revolution of equipment.

Despite the lean years of the depression both the Chicago Surface Lines and the Chicago Motor Coach Company were sufficiently interested in giving to their patrons a quicker and more comfortable service, that a definite factor of their meagre returns during this period were expended for the purpose of engineering research that this objective might be attained.

The first public notice of this activity was the introduction by the Chicago Surface Lines, in 1933, of the experimental "streamliner" presented by the Bull Company. The Pullman Company "streamliner" followed shortly.

The Chicago Motor Coach Company followed suit by presenting a new type double deck bus, constructed by the General Motors Corporation. The result was the arousing of considerable public interest in the question of obtaining better traction service.

The Chicago Motor Coach Company was the first to take decisive action by placing in service a fleet of "single deck" "streamlined" buses, which was followed just recently by the introduction of a fleet of "streamlined" double-decked buses patterned after the experimental type.

The introduction of the new street cars will undoubtedly have a rather disturbing effect upon the argument of a certain portion of the city's populace, and an even greater relative portion of the city council, who have propounded the theory that the street car mode of transportation is antiquated and should be replaced in its entirety by the more modern, pleasant appearing motor buses. This event will cause an even greater upset among those ranks of those of our local politicians who have given the above reason for continually postponing the drafting of a unified city traction franchise.

Since these new street cars will be used in their entirety to replace all of the existing equipment on the Madison street line, which line runs in competition with two of the major west side bus routes, Jackson Boulevard and Washington Boulevard, the traction officials, the city's abler officers, and the entire populace of the city will be able to observe the relative merits of each type of new equipment as they vie with each other for first honors.

Midsemester Slump!

Only two weeks until Thanksgiving recess. Recess? that's what you think. With those lab reports and problems piling up it looks as if you Armourites will have to work harder during the vacation than you do during school. Well, there is still a chance; there remains one week of school during which you can do a little more than the regular assignments, and so put a dent in that pile of back work. Why not get down to business, so you can enjoy the holidays without having to worry about that work lying on the study table?

We know it's hard to get homework done when that good radio program is tuned in, or when you would like to see a good movie. But remember, the world is full of men who have just got by in their duties—those who have dodged responsibility in favor of too many good times; they claim that old man opportunity just passed them by. There are a few men, however, directing and leading the "average" man, incidentally, who knew how to work. Their self-stated reasons for success have become almost an American proverb: hard work and plenty of it, mixed with some well spent leisure hours.

Someone said that it was too bad that Bill Wagner had to have the chicken pox at a time like this. Scott's blind date was not a tall girl and he thinks she is very O. K. There are quite a number of profs around, some for the whole evening and some just in and out. Lots of people had lots of fun fooling around with that "up and down stairs" business. Every social chairman from every class was there but... MOST of the Arx made their own way home and I won't guess at the few exceptions. And the best looking girl? I told you so.

This week there were four judgments. The Juniors had two, one on their Firehouse and one on water color. After the jury had made their red marks on the Firehouses the impatient and hopeful Juniors found out that Johanson had a First Mention and Litwin, Skubic, Iwasa, Pelz, Scheel and Davidson had Mentions. In a water color class of thirteen there were nine judgments which gives the Juniors a high average for

the first judgment. The Freshmen stood around nervously for the most of Wednesday afternoon and then found out that they fared only so-so and that so far Moy and Sauermann were the class' best renderers, each having a Mention commended to his credit.

The fourth judgment is probably of most interest because it is financially lucrative. There is a prize of twenty-five dollars for the best drawing, offered by the Scarab Fraternity. THE MEN WHO RATED LOCALLY WILL HAVE THEIR SKETCHES SENT TO THE UNIVERSITY OF MINNESOTA FOR THE FINAL DECISION WHICH COMES DURING THE LAST WEEK IN NOVEMBER. SKUBIC HAD THE BEST GROUP LOCALLY WITH RICHARDSON, RAMP, KICHAVEN AND LISCHER ALSO RATING.

That's all, there ain't no more. Crazyly yours, ART GUM(foot)

The Slipstick

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

Once when I was very small, I dreamt I'd grow up to be tall; I prayed within my little crib That nature'd see I'd be no squib.

I hoped I'd grow up strong and high, Until my hands could touch the sky; To be an actor bold and strong And to keep the villain from doing wrong.

To dash across the silver screen, To act and love in every scene; To be a lover, brave and sweet And have the ladies at my feet.

The years have past, I'm now a man, I am an actor as in my plan. But when I'm standing, straight and rigid You'll know I am a Singer Midget. Zazu.

Human Musings

"We two must stick together," stoutly declared one of the Siamese twins.

"Oh, but for something to do," cried the Armour student.

"I'll get a job as a traffic cop so then I can whistle at work," muttered the chastised schmier in the chem lab.

"I bet they'd be sorry if I caught pneumonia, or thm'thin' and died," sobbed the de-pantsed Frost.

"Gawd, I'm dizzy — ah' I haven't been drinking anythin' but water for chasers."

"I must be getting absent-minded. I forgot my tools," thought the plumber.

"How much longer is Zazu gonna keep this up," thinks the reader.

Eejay, that stout fellow, is a gentleman and a scholar. The other day when one of his friends had to borrow Eejay's pencil to do his homework with did Eejay refuse him? No!!! Eejay missed an important quiz so that I could do my homework. Noble, unselfish Eejay, sacrificing Eejay, true friend and pal. Good old Eejay.

Chemist (to his crying wife): Stop crying! Your tears have no effect on me. What are they? A small percentage of phosphorus salts, a little sodium chloride. All the rest water. Bah!

Prof—Tomorrow I'll lecture on evolution.

Faunty Frost—Oh, cut out the monkey business.

Wife: Did you object to the way I danced on the table at the party?

Hubby: Yeah. How did you expect

Fraternity Notes

DELTA TAU DELTA

We take pleasure in announcing the initiation of: Robert A. Davis, Arch. '39 Ivan D. Thunder, C.E. '37. and with equal pleasure the pledging of

Louis Jacobs, Ch.E. '38

Plans are rapidly being completed for our pledge's dance, which is to be given over the Thanksgiving holidays.

We have our basketball team organized and well trained for the coming season. With Manager Bacci's high hopes and our freshman material we are looking forward to a great year.

PHI KAPPA SIGMA

A number of men attended the house dance given by our Chicago chapter last Saturday night.

Plans are complete for our Thanksgiving dance, to be held Saturday, November 21, and both the Chicago and Northwestern chapters will receive a special invitation to this affair.

Aside from social affairs, we wish to congratulate Rho Delta Rho on the touchball game they played our house team.

Any house wishing to schedule a basketball game, either practice or match, may do so by getting in touch with any one of the active men. The athletics chairman will see that the request is satisfied.

PI KAPPA PHI

A pledge in naming all the actives mentioned the fact that a particular active (Harry Perlet, Jr.) had his name contracted to "Bob" by the active's girl friend. I suppose for the general reason that both names have the letter "x" in them. Brother Frederick H. Jost took a night off and got acquainted with a pipe, the smoke of which lingered in his mouth for three days.

Recent improvements of the house includes: new billiard cloth for the "pool" sharks, an illuminated badge

me to sleep with all that racket going on over my head.

Soph (boasting to his girl): I was cut with a nurse last night.

She: Cheer up! Maybe next time your mamma will let you go out without one.

I think that I'm colossal, And darn good company; I try to tell that to all the girls But they won't agree with me.

and that's ZAZU.

of Pi Kappa Phi brought about by the efforts and work of Brother Perlet, and three new studio couches. Our pledges have been industrious and instrumental in aiding the activities of the chapter right along with the actives, shouldering responsibilities even beyond their regular duties to Alpha Phi. We thank them.

November the 14 was promised to be an excellent date to have a good time here. We were not disappointed with Brother Dodge and assistants making our party enjoyable by all.

RHO DELTA RHO

Rho Delta Rho extends its heartiest congratulations to Brothers Martin Holland '37 and Robert Levy '37 on being pledged to Phi Lambda Upsilon, honorary chemical engineering fraternity, and to Samuel Taradash on being pledged to Chi Epsilon, honorary civil engineering fraternity.

The athletes of the house are rubbing out the kinks in their muscles as the result of their football game with Phi Kappa Sigma last Tuesday afternoon. The ping-pong and pool sharks are also busy sharpening their muscles as the tournaments in the house progress.

THETA XI

We had a great time at the Illinois-Ohio game last Saturday afternoon, and to say the least, spent a wonderful evening at the University of Illinois dance. Who said Illinois had no pretty co-eds? Oh yes!

Now that we're back in town again and with both feet on the ground, why we're all set for some more work.

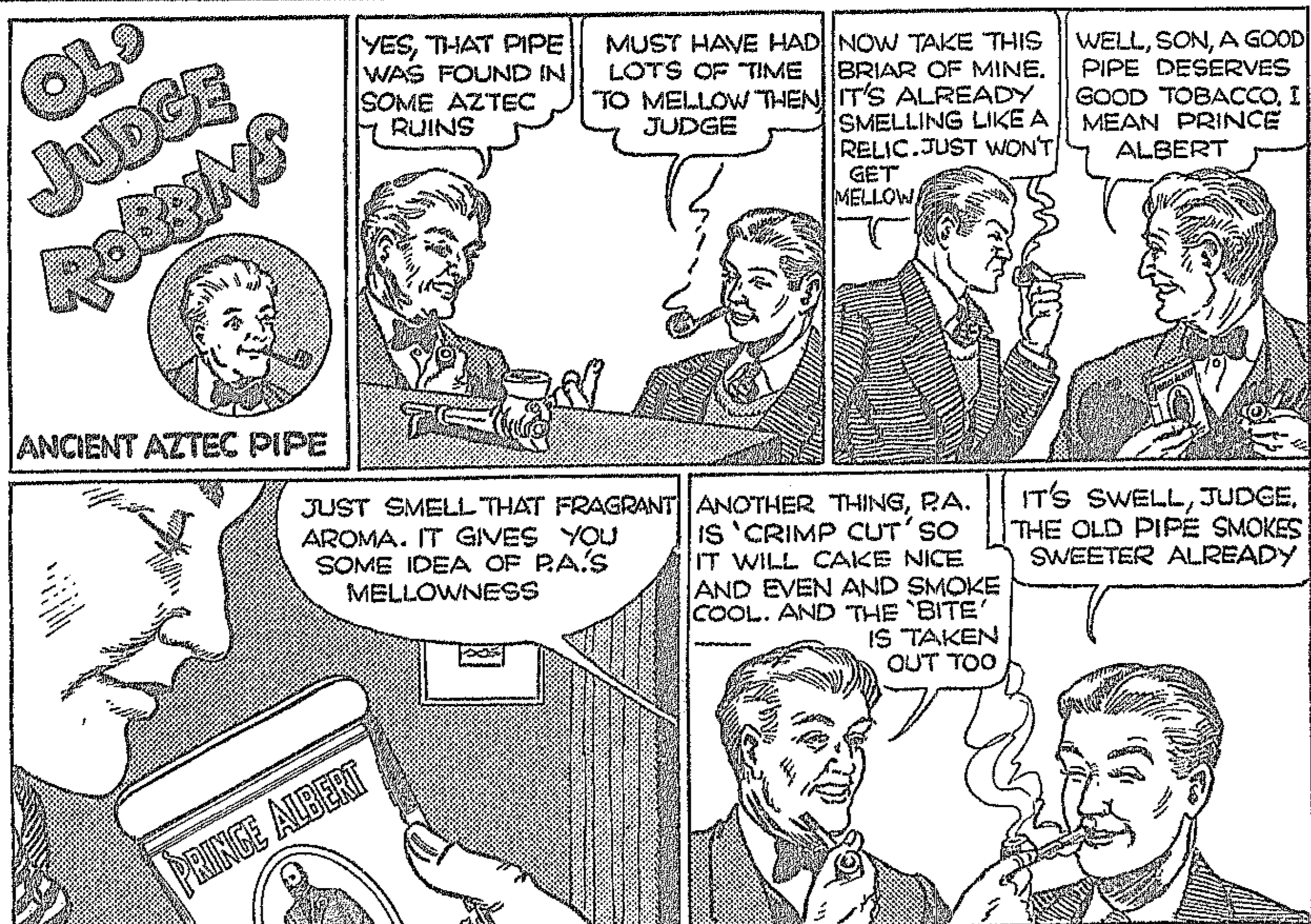
Brother Davidson paid us a visit last Friday afternoon. Our only regret is that we can't spend more time with him, for he is always on the go.

SIGMA ALPHA MU

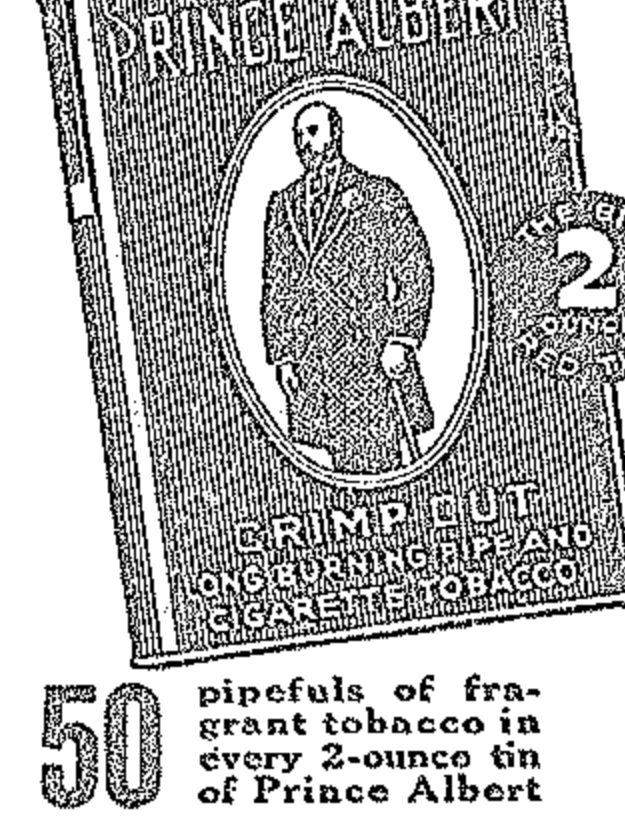
Our pledge party held last week was a huge success and featured the spectacular Sigma Alpha Mu Handicap Turtle Race. Irv Schilfke and Bob Kohn did a grand job in setting up the decorations for the race track and paddock. At the close of the affair the decorated turtles were given as favors of the party.

Joe Mashman and J. Krumbein spent last week-end at our R. H. O. chapter at the University of Illinois. They reported a wonderful time and look forward to revisiting that chapter.

Our Alumni Reunion has been set for November 30, and most of our Alumni in the Chicago area are expected to attend the affair. We hope to have our Alumni adviser, Mr. P. D. Lang, back from his present travels through Europe and get his viewpoint about the Continental situation.



HERE'S WHY THERE'S NO OTHER TOBACCO LIKE PRINCE ALBERT: P.A. IS CHOICE MELLOW TOBACCO - "CRIMP CUT" FOR COOLNESS—WITH THE "BITE" REMOVED BY SPECIAL PROCESS. IT'S THE LARGEST-SELLING TOBACCO IN THE WORLD. AND SWELL FOR "MAKIN'S" CIGARETTES.



PRINCE ALBERT MONEY-BACK GUARANTEE:

Smoke 20 fragrant pipefuls of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.

(Signed) R. J. REYNOLDS TOBACCO COMPANY Winston-Salem, North Carolina

PRINCE ALBERT THE NATIONAL JOY SMOKE

TECHAWK CAGERS MOVE TO LARGER GYM AT ARMORY

"Pop" Warner to Coach Large Freshman Turnout

GOOD TEAM MATERIAL

Hampered by small quarters and with only two weeks before a tentatively scheduled game, Coach Stenger is drilling his cagers in the fundamentals of the game. This week will see his squad of thirty men practicing in the armory at 3401 S. Wentworth Ave. along with the freshman squad under "Pop" Warner's tutelage.

To date three lettermen, Heike, O'Brien and Wagner have joined the squad, while Merz, last year's star center, is undecided due to a heavy program, but is working out to get into condition.

Team Prospects Appear Good

Although lettermen are lacking, prospects seem good. Five numerical men with a year's experience against freshman teams of other schools, will strengthen the squad. The team will not be handicapped by a lack of height this year as they were last season. At least four men of favorable proportions are available. There is a lack of experienced guards, however, but Henrickson of last year's frosh squad may be able to fill the bill, and Seidenberg is also a promising candidate.

Schedule May Be Augmented

Negotiations are under way to augment the schedule as previously planned, with an early practice game with either De Kalb or Elmhurst on December 3.

Questioned on the outcome of the Armour-Chicago game on "Dad's Night," Captain Heike was very optimistic. The Maroons have lost two stars, Haarlow and Peterson, who contributed a great deal towards Armour's last-minute defeat last year. All indications point to a snappy game and a victory for the Techawks before an appreciative audience of proud fathers.



While not prone to editorializing, we can't help but mention the excessive roughness which has characterized all recent touchball games. When touchball gets rough, it is a sign that the principles of the game are being overlooked, purposely or otherwise. Skill and adroitness, not undirected muscular activity, will win out in the end.

Last week a "Disgusted Junior" tendered a most tender critique to this department. This is to inform him that if he will prefix his signature to the aforementioned missive we will be more than glad to print it.

Just now it seems that versatility laurels along sports lines would go to Irv Seidenberg, whose activities in touchball, basketball, track, boxing, and baseball make him stick out like a sore thumb. Nice going, Irv.

Al Bingham, junior mechanical, is in the midst of a strenuous campaign to change the relatively mild form of football as practiced at Armour to the rougher form of the sport. According to some fans, his blocking would do credit to a Northwestern linesman.

A visit to Coach McGillivray at Bartlett Pool convinces us that the Tech tank prospects are good this year but, sadly enough, these prospects will diminish unless more men come out to practice. SWIMMERS!—SWIM!

The cross-country meet scheduled for last week was called off because Captain Faust had suffered a leg injury in the Loyola Invitational.

The fencing club, while lacking in experienced men, is replete with neophytes and, with the matter of time being the sole consideration, should turn out a good team by the end of the semester.

Sr. Juicers, Sr. Mechs, Frosh, and Jr. Mechs, Are Touchball Winners

Playing under the pressure of elimination, the senior electricals beat the sophomore mechanicals 12-0 last Tuesday in a tightly played, well-blocked game. By virtue of their victory the senior juicers will enter the semi-finals next week, their probable opponents being the senior chems who were defeated last Friday by the freshmen.

After receiving the opening kickoff from the seniors, the sophs were unable to advance and returned the punt. For a number of plays the ball moved up and down the field and finally, when a punt by Sobolik of the senior team was received near the goal line, the seniors scored on a long lateral pass from Delve to Slowiak.

During the second half, the sophs made desperate scoring sallies to save the game but the seniors were able to block their plays and near

the end of the game scored again from the ten yard line on a pass from Slowiak to Liebmann.

Sr. Mechs Beat Jr. Juicers

Making one touchdown in the first and another in the closing minutes of play in the game played last Wednesday morning, the senior mechanicals defeated and eliminated the junior electricals with a 12-0 score.

The mechanicals kicked off, and the ball was carried back to mid-field by the electricals. Harold of the mechanicals intercepted a junior pass and ran half the length of the field with neat interference to score. Another interception brought the ball back on the next goal line immediately, but the junior pass was snared by an electrical in the end zone and carried out to safety.

Taking the kickoff in the second half, the seniors faked a quick pass and ran the ball deep into junior territory. No threats matured in this half, the junior electricals succeeding in grounding the passes in their end zone. In the last two minutes the seniors scored on a long run which started behind their own goal, Logullo carrying the ball behind some fine blocking by his teammates.

Frosh (C) Defeat Sr. Chems, 12-6

The senior chemicals, popularly conceded to be the strongest team in the touchball tournament, went 1 down in defeat before the class of '40 to the tune of 12 to 6 last Fri-

day morning. Over-confidence probably did the trick.

The schmiers kicked off; the frosh ran the ball back to the half-way mark and then lost it on downs with no gain. During this half the chems had the edge on the frosh, who were a little distraught and unorganized.

For excitement and real playing the second half took the cake. On the kickoff, the chems threw a pass which was intercepted by the lower-classmen. Then Heike, making a one-handed stab, intercepted a frosh pass which placed the chems in a scoring position. On the second play Hackman took a pass for the first score of the game. Somewhat later the freshmen, undaunted, scored on a long pass caught by Smithson. Not satisfied by merely tying the 'invincibles' Wolniak of the frosh caught a pass that just bounced off of Heike's finger-tips and stepped across the goal for the winning score a few minutes before the end of the game.

Jr. Mechs, 18, Soph Chems, 12

The junior mechanicals defeated the sophomore chemicals last Friday 18 to 12 in a game which changed from an ordinary game to an interesting contest in the second half.

The first scoring was done by the chemicals on a long pass by Kruse to Natinchek waiting over the goal line. The mechanicals took the ball on the kick-off and worked it to midfield. On

KALEIDOSCOPE

I SIT alone gazing at the typewriter. Thoughts refuse to be enticed forth from their remote hiding places. When I turn my back they poke their heads out and snicker, but dart into the recesses of obscurity the instant I catch their eye. Every now and then a bold idea dashes into view, races around in front of me, and before my startled senses respond, the idea is gone.

The sunlight splashes upon the

third down O'Brien completed a pass to Engelthaler for their first score.

In the second half Natinchek intercepted one of O'Brien's passes to open the scoring. A pass by Kruse to Calhoun placed the ball on the goal line and on the next play Rothenburg caught a short pass to place the chemicals in the lead, 12 to 6. The mechanicals quickly retaliated by passing the ball down to the chemical goal line. Then Engelthaler tossed a short pass to Bingham to tie the score.

Here the schmiers were caught napping. Playing back to cover passes they allowed the center to toss a quick pass to Roche, on the line of scrimmage, who plunged one yard for the winning touchdown.

walls and runs over the litter of paper on the table. Through the film of grey dirt on the window, the landscape shows through, bleak, sun-washed and sterile. Across the railroad embankment an almost deserted schoolyard sleeps. The figures move about lifelessly, and the absence of sound gives the whole scene a dream-like quality.

Nearly an hour passes, and still no thought is willing to materialize into print. I sit for five minutes merely contemplating the laziness of the cigarette smoke in the room. The sunlight makes the room seem warm, but the scene outside the window is frozen by the sun. The cigarette smoke, intercepting a sunbeam, casts a shadow on the yellow-brown wall. The shadow has more substance than the aimless, drifting clouds of blue, live smoke itself. How content one could be to drift through life as peacefully and easily as this soothing coil of three dimension shadow.

The time drifts on, and still I have not given birth to any thought worthy of recording. . . . But I have filed a page with idle vaporings, and so have stalled for the task of writing the kaleidoscope for another week.

THANKS TO H. B. B. and Norton Gerber for the parody of "Home on the Range." It will be printed shortly. R. W.

Touchball Tally

With the touchball tourney in its last week of play, five teams are left to compete in the semi-finals. If eliminations are completed early in the week, the championship will be decided by Friday. The standings are as follows:

Teams	W.	L.	T.
Junior Mechanicals . . .	4	0	1
Senior Chemicals . . .	4	1	2
Senior Mechanicals . . .	4	1	0
Senior Electricals . . .	3	1	1
Frosh (C)	2	1	0

For Digestion's Sake . . . Smoke Camels



THE TEST DIVE!

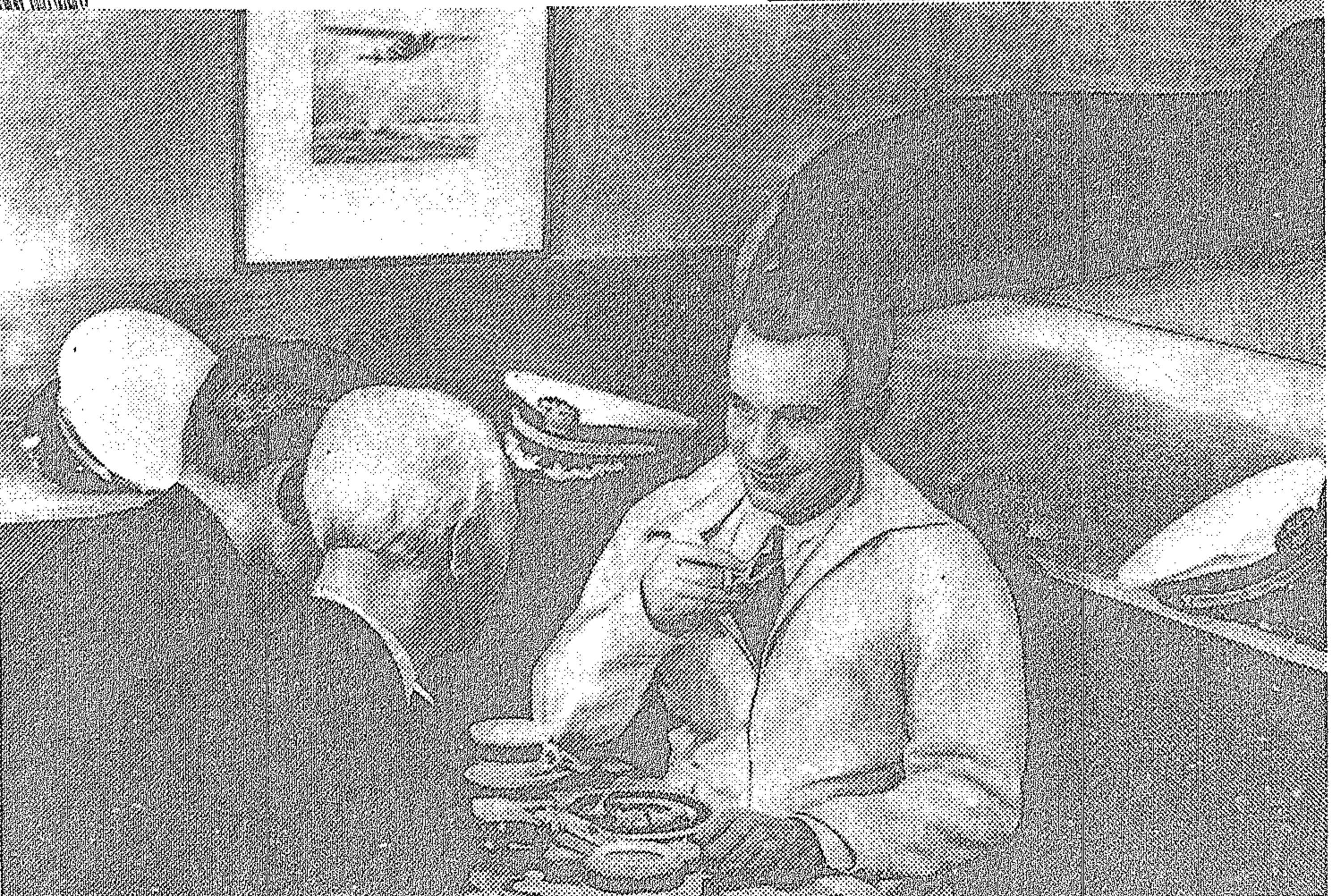
Straight down from 4 miles up—motor roaring—struts screaming—Gehlbach tears earthward like a bullet flashing from a revolver. At the bottom of the 2-mile drive—a sharp pull-out wrenches plane and pilot to the limit. Such tests make planes safer. Anything can happen. A bump in the air—a tiny flaw, and the plane can fly to pieces as though dynamited while the pilot takes to his parachute. But, as you can see at the right, Lee Gehlbach eats heartily and enjoys his food. Note the Camel cigarette in his hand—one of the many Camels that Lee enjoys during and after meals. In his own words (above), he gives you the reason why Camels are his cigarette.

Lee Gehlbach says: "Smoking Camels keeps my digestion tuned up and running smooth"

"CAMELS set me right!" Gehlbach says. "You know, my chance is only 10% of my business. Keeping alert and in fine condition is the other 90%. I smoke Camels with my meals, and afterward, for digestion's sake. And when I say Camels don't get on my nerves, it means a lot."

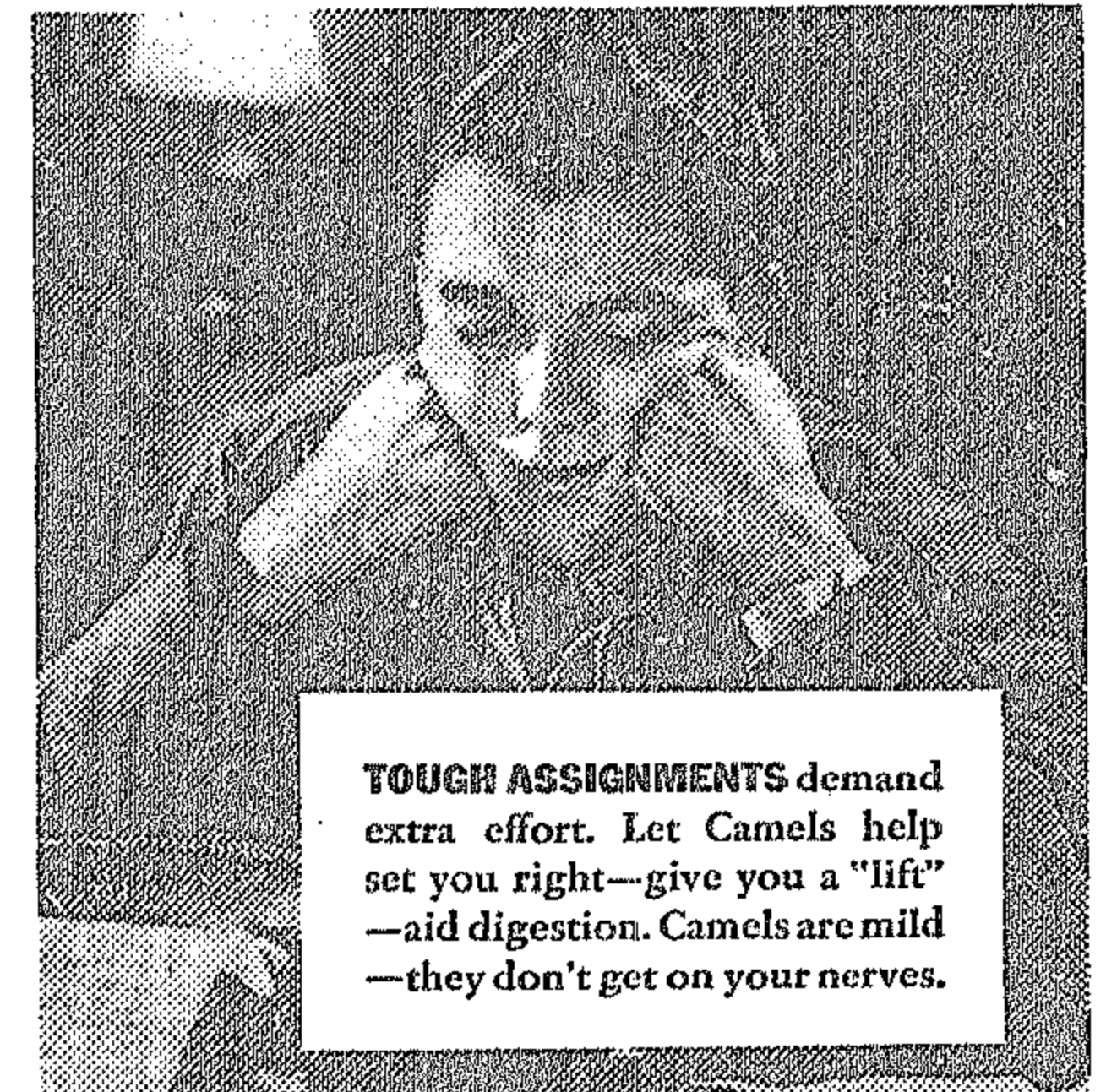
Good digestion and healthy nerves are important for everyone in this wide-awake era. Camels at meal-time and after speed up the flow of digestive fluids—increase alkalinity—help bring a sense of well-being. So make Camel your cigarette—for digestion's sake—for their refreshing "lift." Camels set you right! And they do not get on your nerves.

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Camels are made from finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic—than any other popular brand.



TOUGH ASSIGNMENTS demand extra effort. Let Camels help set you right—give you a "lift"—aid digestion. Camels are mild—they don't get on your nerves.

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Camel Cigarettes bring you a FULL HOUR'S ENTERTAINMENT! . . . Benny Goodman's "Swing" Band . . . George Stoll's Concert Orchestra . . . Hollywood Guest Stars . . . and Rupert Hughes presides! Tuesday—9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., over WABC-Columbia Network.



SIDELINES

By S. M. Miner

ELECTION RETURNS!! With the election over, the mud slinging and dirty politics used by both contenders can be viewed with some degree of impartiality, or at least with cooled off emotions. The Anti-New Deal, Anti-Negro, Anti-Semitic, Anti-Roosevelt, Anti-tax, Anti-Government Expenditure, in fact, "Anti-everything" policy of the Republican party begins to look rather childish and insignificant. On the other hand, the gross misrepresentation perpetrated by the Democratic party must not be conceded as having been sanctioned by the public.

HOWEVER, WITH all the dirt and misrepresentation of the campaign, the outcome was certainly beneficial. The vote was the largest that has been cast in any election. Furthermore, the mere bigness of it and the fact that it was a party landslide do not signify that the voting was done blindly and mechanically. It is believed that there were more split ballots cast at this election than there ever have been before; and despite the overwhelming Democratic triumph, many individual members of the party won by scant margins, as well as many who were displaced.

AT ANY RATE, it is certainly a relief to the population as a whole, as well as to business to feel the relaxation which now follows the debacle. As one writer has put it: the public can now feel like the tired house-wife who has just finished the entire spring cleaning job, hung the mop away, and sat down to relax. More accurately, though, we probably feel like the limp, bedraggled mop, itself.

THE FUTURE. Now that Roosevelt is definitely returned to power, with an even greater sanctioning group (or at least disgruntled enough to reject a negative substitute) than before, it has become a matter for wide discussion as to what his course will be. Without delving too deeply in the matter, it is only necessary to cite his past examples of attempting to conciliate all factions and at the same time carry forward his progressive plans, in order to arrive at the conclusion that he will attempt to stay fairly close to the middle of the road, digressing only so far as is absolutely necessary for the carrying out of his recovery program.

THE CONTROVERSIAL questions are legion. However, in spite of immediate censorship, outrage, excommunication, and other plagues, your correspondent will hazard a "thumb-nail forecast" for each. The N. R. A. will not be revived except in some of its feature policies. Relief (strictly speaking) will continue as at present, and may even be cut slightly. The budget will tend toward being balanced in the not very distant future. Government control will increase slowly and not at a leap. Big business will be fought even harder. Inflation will not be great, and will be gradual. And finally, business will continue on the upgrade.

LABOR: One of the big problems which Roosevelt will have to face (it has always been and will continue to be) is the labor situation. And to start things off, there is the seaman's strike in California, which bids fair to spread heavily along the Atlantic seaboard. Shipping is seriously tied up along the Pacific coast, and the seamen, who are attempting to obtain better conditions and pay, are attempting to form a more closely knit union, joining together all sea workers along both coasts.

ALONG WITH this labor problem, comes the recent split in the A. F. of L. The C. I. O. (Committee for Industrial Organization) turning aside from its campaign endeavors, is once more directing its energies toward the organizations of the belligerent groups from the A. F. of L. and the strengthening of the work-

McDowell Gives Talk on Cold Drawn Steel

"Cold Drawn Steel" was the subject of the talk presented to the junior members of the Western Society of Engineers by D. W. McDowell, of the Union Drawn Steel Company. The speaker, who at present is a metallurgical fieldman, presented a short history of cold drawing of steel and its effect on the present methods of manufacture.

Annealing and other physical treatments were thoroughly discussed. Micro slides showed the effect on the physical properties caused by cold drawing of steel.

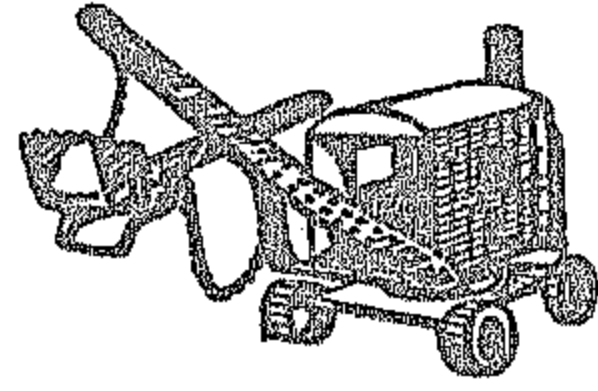
A dinner meeting Thursday evening will feature A. J. Mulaney, deputy chief fire marshal, who will give a discourse on the tactics used in fighting fires.

ers' organization in the steel and mass production industries.

RECONCILIATION possibilities have been discussed and are being worked on at the present. At any rate, while we are strongly in favor of labor and its organization, still periodic outbreaks of this nature will always be beneficial for the purpose of bringing about a general house-cleaning, so necessary in an organization the size of the A. F. of L.

TIME AND space have limited the above discussion to the most brief of comments and a great paring of available material and subject matter. The reader is referred to any of the more democratic periodicals for further treatment of these subjects and additional topics.

THE STEAM SHOVEL



Who is the junior who goes out with Mona Salle, the Boston Store Beauty whose ambitions were revealed in the TIMES? The Shovel promises you his name in the next edition unless we hear from him personally in the meantime.

Don't wonder why HANK BODNAR, the comical chemical, gets such good marks on his P-Chem papers. P. SCHULTZ, the marker, goes out with CHARLOTTE, Hank's sister.

JIMMY DUNNE is at a loss to understand Pauline. When they're alone together she says to him, "Jimmy Dunne do that." He doesn't quite know if she means "Jimmy, don't do that," or if she merely means to use his full name.

Red Gamson in class recently gave a lengthy explanation of a certain scientific principle, taking about a half hour, and involving Pascal's theorem, Bernoulli's principle, and several others. At the conclusion the prof said Gamson was wrong, and gave the correct explanation in about ten words. Now Gamson is looking for Pascal and Bernoulli with a shot-gun.

'DAD'S NIGHT'

(Continued from page one)

Architects: T. C. Cunningham. tin of Eta Kappa Nu, S. M. Miner of Rho Delta Rho and players and P. L. G. Moore of Chi Epsilon, J. J. Penn of the Triangle, P. Schultz of Phi Lambda Upsilon, W. Skeppstrom of Phi Kappa Sigma, I. Thomas of Pi Kappa Phi and R. Winkler of the Salamander.

If by chance, a student's dad couldn't make Dad's Night, the student still wouldn't be barred from coming. In this case he would merely purchase a son's ticket alone.

An innovation in affairs of this type is that the long-winded and sometimes boring after-dinner speeches will be cut to a minimum. After the eight-course dinner and a few appropriate words, all will adjourn to Bartlett Gym, where the always exciting Armour - Chicago basketball game will be played. To enter the game, dads will use their black tickets, while the sons will use their Armour athletic passes.

Hutchinson Commons, where the banquet will be held, is considered ideal for the affair. It is flanked by the Reynolds club and Mandel Hall. There will be, consequently, two lounge rooms where the Armour dads and sons may meet and fraternalize. Entertainment will be supplied at this point by the musical clubs.

And now we know why HANK APPEL is late to his 8:30 classes every day. It seems that there is a certain girl who rides that late train.

Faculty Committee Heads Are Selected

The first general faculty meeting of the year was held last Thursday afternoon in the physics lecture room. Dr. W. E. Hotchkiss, president, spoke on general developments at the Institute and announced the appointments to the faculty committees.

Professor B. B. Freud, who has been chairman for several years, was again selected to preside over the committee of graduation. Dean H. T. Heald, the chairman of the curricula committee for the past few years, has again been selected head of the committee. The fraternity committee is headed by Professor S. M. Spears. Professor J. C. Penn was picked as the chairman of the library committee. He has held this position off and on for quite a few years.

Dr. Tibbals is placed at the head of the freshman scholarship committee, the committee on educational tests, and faculty advisers. Educational tests were given last year but not until this year was a committee picked to conduct the freshman tests.

The placement committee of 1935-1936 will continue to function until the survey under progress by the group will be completed. When this has ended the 1936-1937 committee and chairman will be appointed. Professor C. E. Paul was again selected as chairman of the student loan committee. Professor W. Hendricks will continue as chairman of the student publications advisory committee.

W. Spencer Will Speak to Chicago Math Club

Professor Walter A. Spencer will talk before the Chicago Math Club, Friday, November 20, on "Mathematical Charts and Models." This body is composed of the high school and college instructors of the Chicago territory. The lecture will take place after a supper at the Central Y.M.C.A. Professor Bibb has charge of reservations.

Professor Spencer is the possessor of a collection of models illustrating principles, theorems, equations and formulae of solid and analytic geometry which he uses in his classes to give the students a better understanding of the problems handled. These models have all been made by Professor Spencer.

These models enable one to visualize the varied figures produced by passing the plane through a solid figure. Sections of spheres, truncated cylinders, prisms, pyramids, the various conics, circles, ellipses, parabolas and hyperbolas are shown by skillfully constructed vari-colored cardboard models.

A series of charts with many mathematical derivations in a combination holder which may be used as a stand to display them upon opening is the professor's newest contrivance.

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Chesterfield

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