



Armour Tech News

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Armour Institute of Technology, Chicago, Illinois, Tuesday, October 31, 1939

Z-140

Poulter Leads Snow Cruisers On Trip East

With its crew, consisting of Dr. Thomas C. Poulter, Commander; Dr. F. A. Wade, Chief Field Scientist; Charles Meyer, first class machinist's mate; F. Ferranto, radio operator; and T. A. Petras, airplane pilot, the Snow Cruiser has started on its way from Chicago to the South Pole. The sixth member will be "Navy," a Labrador huskie belonging to Dr. Wade. The limited Snow Cruiser crew had to be versatile. Their combined talents include airplane mechanic and pilot, radio engineer and operator, aerial photographer, navigator, geophysicist, surveyor, Diesel engineer, physicist, medical doctor, cook, meteorologist, astronomer, geologist, chemist, and mineralogist.

Hydraulic Controls

There is no steering wheel as the controls are hydraulic and consist of two levers which only move back and forth. One controls the front wheels and one the back. With this arrangement it is possible to turn the 55 foot cruiser in a circle having a 30 foot radius by turning the front wheels and rear wheels in opposite directions.

The rubber tires have a smooth surface, are ten feet in diameter, and are over a yard wide. There is 15 pounds pressure in these 12 ply tires and enough friction to go up a 37 per cent grade. In each wheel is a special pumping device to pump air in or let it out as the wheel turns. To change this tire weighing 1500 pounds, the wheel is raised off the ground with hydraulic controls and removed with the help of a small crane. The tube alone weighs 250 pounds.

Warm Tires

Frozen rubber is stiff and apt to crack. It freezes at minus 72 to 98 degrees Fahrenheit. Since the lowest temperature recorded in the Antarctic is 80 blow zero, the wheels are retracted leaving the cruiser resting on metallic skids, when it stops. The tires are warmed before proceeding by placing an apron over the tires and heating them with the exhaust. Internal heat will be generated when the cruiser is in motion which eliminates any further freezing danger.

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Eye Presents Photos Friday

Armour Eye's first salon of the year will be held Friday night, November 10, 7:30 in the Student Union. This salon is open to all students of the Institute and to anyone else interested in photography. Entries are now being accepted at the Armour Eye club rooms, fourth floor, second entrance Chapin. All entries must be in by noon Nov. 9. Each entry is limited to four prints, 8 by 10 inch or larger, mounted on salon cardboard 16 by 20 inch in size, and may be on any subject the person chooses.

Among the participants in the salon have been students who have received awards at the A. S. M. E. salon, Marshall Field Exhibition and academic displays at the Art Institute. The club sponsors these salons not only for the purpose of exhibition but also for discovering the hidden photographic and artistic qualities that Armour students possess.

Classes Started

The club membership has not yet reached its capacity, and still has room for new blood. Classes are now being held for those students interested in learning photographic practice, and are open to all students of the Institute. Stress has been laid upon the possibilities of creating a continuous progressive course in photography that will go into the detailed theory of the chemistry and processes. Whether or not this course will develop depends upon the demand of the students.

Seniors Asked To Check on Records

According to announcements which have been appearing on the bulletin board for the past few weeks there are several items which are of importance to the graduating seniors, but which have not been given proper attention.

Most important is the point of checking the graduating records. The list of those who should pay a visit to the office has been up for several days, but Mr. Kelly states that there are still a good many men who have not complied with his request. Checking of the graduating record is a very important task, for there may be an unnoticed incomplete, or other deficiency on the order of gym credits which may cause difficulty if left for next semester. All of the records are on the file, requiring only a minute to get the whole process over with.

Four Day Vacation

In answer to numerous inquiries which have come in the last few days, Mr. Kelly wishes to announce that the Thanksgiving holiday will fall on November 23, in accordance with the proclamation issued by Governor Horner. As in former years the Friday and Saturday following the feast day will also be given over to vacations.

A steadily increasing pile of assorted objects have been accumulating in the registrar's office as a monument to the careless or forgetful student. Slip sticks, hats, books, gloves, scarfs, and so on, fill a good portion of a space in one of the cabinets. If you have lost any article, please call for it at the registrar's office.

Chem Lab Features Newest Colorimeter

New physical chemical equipment this semester includes many additions. A colorimeter, precision built, used for comparing color in different solutions and giving the percentage of a color in solution is one of the outstanding pieces of new equipment.

A cathetometer, which accurately measures distance readings in conjunction with the manometer, an oxygen torch, and a new De Khotinskai regulator for the constant temperature bath were also added this year according to Dr. Longtin, a new addition to the campus himself.

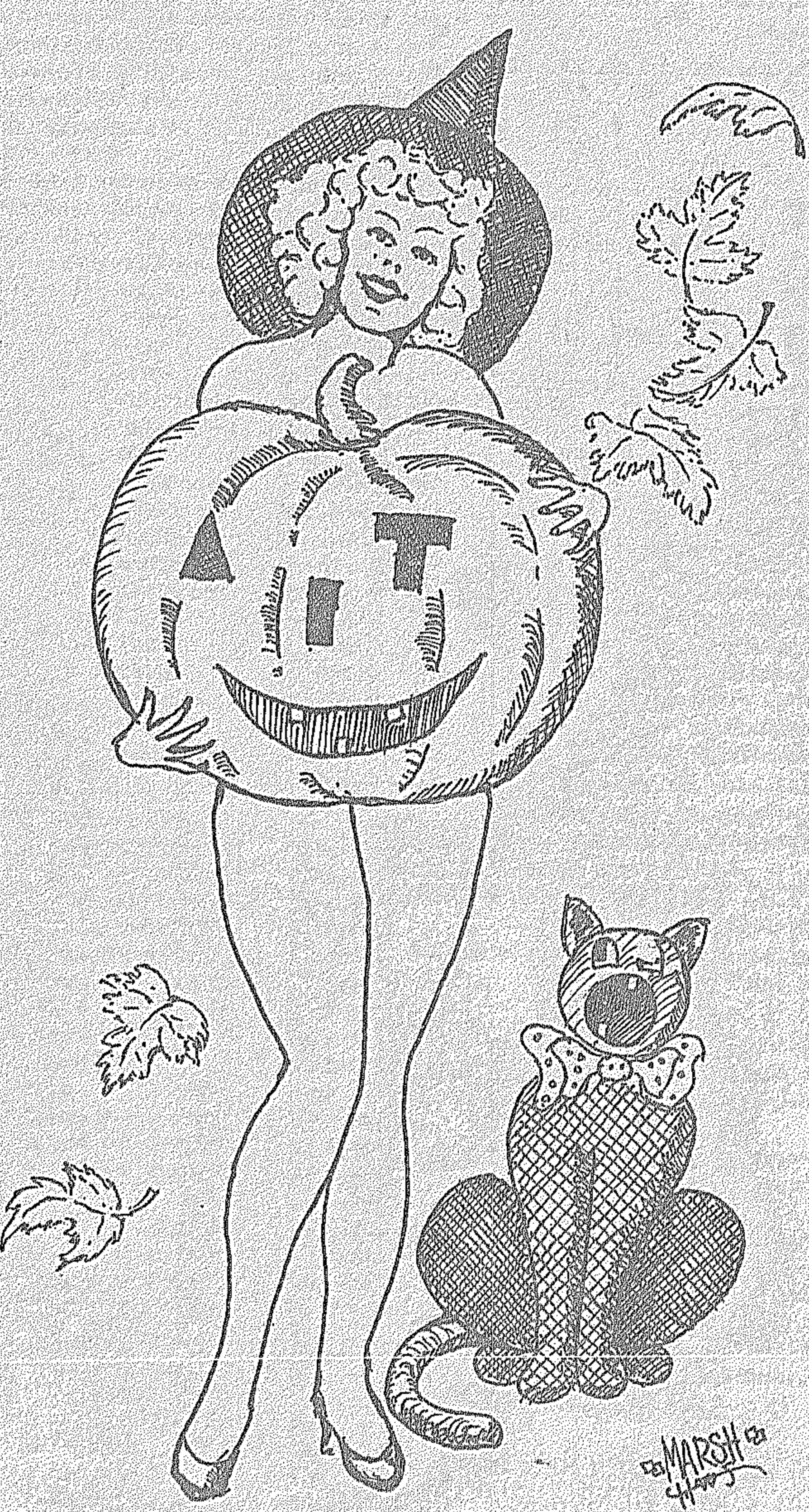
Papers Presented By Armour Profs At Metals Exhibit

During the week of October 23rd to 27th the American Society for Metal extended to America at large a cordial invitation to the twenty-first National Metal Exposition and National Metal Congress. The Exposition was held in the Palmer House where speakers from the companies and schools represented at the Metal Congress presented technical papers prepared especially for this great affair. The Metal Congress was held in the International Amphitheater. Also represented at the Metal Congress was the American Welding Society and the Wire Association. The former was housed in the Hotel Stevens, the latter in the Congress Hotel.

Many Participate

All in all, there were 265 companies and 2 schools, Armour Institute and Lewis Institute, represented. The companies presented the latest developments in their methods and equipment. All types of furnaces were displayed, dust collectors, welding methods were prominently shown.

Also on Monday Professor J. Marlin spoke on the "Failure of Aluminum Subjected to Combined Stresses" in front of the American Welding Society at the Stevens Hotel. On Friday, also at the Stevens, Professor Pearl spoke on a "Study of Heat Effects in Welding."



A Message From the President

The forthcoming combination of Armour and Lewis represents a most important forward step in the development of this institution into one of the outstanding colleges of engineering in America. Although the combined institution will be known as ILLINOIS INSTITUTE OF TECHNOLOGY, the name of Armour will continue to be applied to its engineering courses, thus retaining the reputation and good will which the school has accumulated through many years of significant service.

Building upon its past record of achievement in education and in research, it will be the object of the new ARMOUR COLLEGE OF ENGINEERING to develop higher standards of instruction, improved facilities, increased contributions to research, and greater service to youth and to industry.

The consolidation has been entered into only after a long period of careful study by members of the Boards of Trustees of both institutions. They are unanimous in their conviction that it will result in greatly improved educational opportunity for youth in this community.

I particularly ask the whole-hearted cooperation of every member of the student body and faculty of Armour Institute of Technology in bringing about the greatest possible benefits from the new program.

HENRY T. HEALD, President.

Placement Office Announces Abundance Of Part Time Jobs Available Immediately

Part time jobs are becoming more plentiful. The placement office has announced the addition of 50 such jobs, the majority being of a clerking nature in downtown department stores. The jobs are immediately available and may be obtained through application to Mrs. Carroll at the placement office.

It is expected that within the next month a group of 25 part time jobs requiring men for purposes of lecturing and demonstration will be made available through the efforts of the placement office. The requirements for these jobs will probably be a good vocabulary, good public speaking ability, pleasing personality, neatness of dress, and a good technical knowledge. At present this group of jobs

is in the forming stage. More definite information will be given later.

There are also a number of jobs available for unemployed night school men. Applications should be made before 4:30 P.M. on any day.

As announced last week, more than 250 part time jobs had already been secured with department stores and the post office department. The additional positions bring the total to more than 300, or a job for every fifth student.

Because the school calendar provides a full week of vacation prior to the Christmas holidays, all college men should take advantage of part time jobs as they offer an ideal solution for the problem of where to secure money for holiday activities and gifts.

Swing Out Cats, It's the Arx Dance Friday Eve at Shawnee

Exhausted By Non Trips, Scribe Goes To Halloween Orgy

By Art Hansen
Having fully recovered from our recent sojourn among the non-existent penguins and polar bears in the antarctic, and coming back from eternity in which we thought we saw angels licking popsicles, only to wake up and find that we were in a movie house watching the Dead End kids in "Angels With Dirty Faces" and that the popsicle effect was simply the cold air vent under our seat sending a stream of frigidity up our pants leg, we return to our haunts of always being on the spot that the news isn't.

Important events have happened during the week. Not that we care a darn about the important events, it is the little things in life that we try to champion, you know, the Lone Ranger of the scandal sheets. Items of unimportance that have happened the last week might include the Snow Cruiser taking its first airing. Or we might mention the merger of the two engineering schools, Armour and Lewis. However, all these things are carried away in the tide of indifference with the momentous announcement that the glee club positively will not sing the now famous Armour Snow Cruiser Song at its dedication, at least not now. The Cruiser is away and gone and will have to be dedicated when it comes back. So the boys can pack away their wolf howls and penguin barks in their filing cases for future reference.

Main Topic
Circling around the things that constantly sweep across our minds, we get back to the main topic of the day—Halloween. Halloween is a tradition dear to the hearts of all the kiddies in the land, and to many, many, many of the bigger kiddies. If it were not for the excuse of Halloween, many things would not happen. Little kiddies would not soap windows. Bigger kiddies would not throw stench bombs into street cars. Still bigger kiddies, and may we mention kiddlets (the feminine gender, of course) use this eve of all eves

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Antarctic Mail To Be Marked By Expedition

Wahoo, gang, guess what? The Eskimos and penguins are to have a bright, new (and incidentally their first) post office by the grace of Uncle Sam and Armour Institute. Such a momentous occasion requires something more than just an ordinary post office. The new structure is to be a brilliant red edifice mounted on wheels to facilitate door to door delivery.

Of course the new post office (otherwise known as the Snow Cruiser) is not to be established for the sole benefit of the Antaretics. Besides investigating the lay of the icebergs and dropping notes in igloos and ice crevasses, the boys will find time officially to plaster a cachet upon numerous covers (specially addressed envelopes) commemorating the exact minute, hour, day, and year of the cruiser's arrival at the South Pole.

Historical Covers

If you are a member of the super avid philatelists (stamp collector in English) and want to obtain one of these historical covers, you should send your stamped, addressed covers to the Fidelity Stamp Company, 945 Pennsylvania Avenue N. W., Washington D. C., which has made arrangements for handling these covers. On the assumption that you will have included with your covers the sum of 50c per cover (or \$5.00 for 12 covers), and on the further assumption that the expedition is not lost and that the Snow Cruiser returns intact, you will be the proud possessor of a cover addressed to yourself with a cachet plastered on the cover.

Correy Lynn Wields The Baton

Friday night is the night. It's the night when Armour's Arx present their biggest and best dance, held this year at the beautiful and spacious Shawnee Country Club. Correy Lynn and his orchestra have been warming up for the dance and will be on deck to furnish the music for the boys and girls who attend.

An extra special feature will be offered at this year's affair, said surprise being the selection of a "Queen of the Arx Dance." Fred Prather, representing the Armour Architectural Society, which is sponsoring the dance, will act as chairman of the committee which will judge the respective merits of the young damsels and present an orchid corsage to the most charming.

Ideal Setting

The beautiful surroundings and facilities of the Shawnee Country Club make it an ideal setting for an occasion such as the Arx Dance. Simple directions for reaching the site are herewith set forth for the convenience of bewildered students. Traveling north, follow Sheridan Road to Lake Avenue and go one block east to the entrance of the club. Lake Avenue is the first stop light north of the Bahai Temple in Wilmette.

Bids On Sale

Bids may be obtained from any Armour architect for \$1.50. A booth will be set up on the first floor of the Student Union for the sale of bids, on Wednesday, Thursday, and Friday between 8 and 9:30 in the morning. Only four days remain and the bids are going fast.

Correy Lynn's orchestra is well known to patrons of Chicago's dancehalls. Correy played throughout the summer at the Lions Ballroom and among his previous engagements number the Merry Gardens, O'Henry Park, Aragon, Trianon and the Congress Hotel. His music will

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T. L. Condron's A.S.C.E. Speech Tops Meeting

Last Friday, October 27, at the ASCE meeting Mr. T. L. Condron, Structural Engineer, talked on the subject "Open Caissons For Bridge Foundations in Deep Water With Swift Currents."

Mr. Condron began his speech by mentioning that there has been progress in the size of suspension bridges in the last few years. The longest one is the recently finished Golden Gate Bridge (4200 ft.). The second bridge is the Geo. Washington Bridge (3500 ft.) The third, the Tacoma Bay Bridge which is now under construction will be 2800 ft. long. Mr. Condron used this bridge for his discussion. A blue-print and a diagram were exhibited to show the main parts of the bridge.

Built On Land

In order to explain the caisson foundation more clearly Mr. Condron used some very interesting lantern slides. In working with open caissons as contrasted with closed or pneumatic caissons, almost all of the work to be done is dry. In the example of the Tacoma Bay Bridge two caissons were built on land. These caissons are 120 ft. by 66 ft. by 48 ft. A false bottom of timbers is inserted and the caisson is put on the water by means of a dry dock and one or two barges. The dry dock and barges are then slowly submerged until the caisson floats in the water like a boat.

Filled With Water

The caisson is towed to its destination where it is anchored to about 80 concrete blocks of 600 tons each. The position of these anchor blocks is determined by triangulation. By building up the caisson and filling the inside with water the caisson is slowly

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Editor's Hat Used As Office For '40 Cycle

Eugene Worcester's hat grows larger and larger these days as the exasperating delay in securing an office for the 1940 Cycle stretches into the weeks. This is because Mr. Worcester's over-taxed hat has assumed the function of temporary cycle office and is now bulging with a steadily increasing flow of Cycle affairs. Mr. Worcester, who is editor of the Cycle, waits patiently on, hoping against hope for some encouraging developments and incidentally welcomes any inflow of helpful suggestions to the Cycle office—his hat—concerning this matter. To all well wishers and sympathizers, Mr. Worcester wears size 6 3/4.

Makes Assignments

Anticipating, by Thanksgiving, a final crystallization of general Cycle plans for next year, editor Worcester is now giving assignments to all students interested in penning for the Cycle.

Meanwhile, Ralph Erisman, business manager of the Cycle, tearfully tearing home each night to slap the Cycle daily cash again under his pillow, also anxiously awaits a perching place. It is likely, however, that consideration will soon be shown to Mr. Worcester's hat and Mr. Erisman's pillow as Dean Grinter of the graduate school is carefully weighing the suggestion that the table and a couple of chairs be placed . . . no, not in Eugene's hat . . . but in some convenient cubbyhole, thus disbanding forever the extra-curricular activity known as the Felt and Feathers Club.

HALLOWE'EN—

(Continued from page one) to give little parties where they can play kissing games—legally. A brief history of Halloween is in order to rightfully befit this occasion. "All Hallow's Eve" as it originally was named, originated from a custom practiced by priests many centuries ago of going out the night before All-Saints day to the cemeteries to say prayers over the graves of certain individuals. But gad! How times have changed. Look what has happened to this, originally a church festival. To give you a clearer picture of just what has happened, we'll whisk you away to the home of Mary Blop, where a gay and semi-sophisticated costume party, being held for kiddies of semi-college age, is getting under way.

Meets a Woman

Watson, the butler opens the massive doors of 55 plywood, and bows us in, his tails (coat) sweeping the floor as his graceful back swings through a magnificent arc, the gesture really awing us and our dates. "Hold my mug, and my girl friend's nose while we take our coats off, "I request of the butler, referring of course to our paper maché false faces we were wearing (of course).

"Why, good evening, and how are you?" hooies Miss Blop, a washed out debutante if there ever was one (and there was). "That false face you are wearing is simply divine. Where did you get it?" "Get it," we fire back, "whadda ya' mean? We haven't got our masks on." "Oh, I beg your pardon," she quickly adds, and hastens off to greet other guests. Quite a dump, we say to ourselves, as we observe the endless rooms and the countless decorations. Passing into a room at one side, we are greeted by the extraordinary site of a group of absolutely headless people. The girl friend almost faints, but undaunted, we proceed. And up pops their heads with their mouths opened in 8" ovals, with big, red juicy apples clutched firmly in their teeth. Apple bobbing! However, one fails to come up. Finally grabbing him by the pants legs, he is rescued, and after fifteen minutes of artificial respiration, he is revived. His comment: "I got a crick in my back and couldn't straighten up, besides the apple was waterlogged" brings sighs of relief to the spectators.

Proceeding into the next room, we happen on the game that everyone goes to Halloween parties for. And is this game novel (of course), and new (of course)! "Blackout", it is called. Probably you wouldn't know what "Blackout" is, never having heard of it and played it before. It seems that the lights go out (as usual) and the very uneligible girls

Reform Movement Gets Stoopbrain Bliss Meets Three Armour Profs in Church

Deer Sally, Wel, sinze laste weak I hav decided tew reform. Yew no wat reform iz—tew make over, tew make better out of worse, or vice versa. Wel, laste Sunday I swore off woin in general and awl in partikular. Seeing it wuz about eleven o'clock and the bells whir wringing outside, I sez tew myself, quote: Stoopbrain, sinze yew hav reformed why not goa tew church, question mark and unquote. Teers welled up in my eyes wen I sed thiz, and fond memories whent bak tew those days long yeers ago in the hills and mountins bak hoam, wen I wuz a little shaver growing my first beard and juste a-learning howe tew chew tobacco. How I remembered getting up on Sundays, and the olde lady owt in the bak yard a-smokin' her pipe and chopping wood, and paw out in the shed distilling mountin dew withe hiz jug o f corn beside him. And grandpappy oiling up hiz gun for the feuding and taking practice shots at the chickens. And granmaw shaving off the mud frum old Silas, the pig, so that he woodn't get grandpappy's bed dirty wen the pig took a snooze in it. I remember little cousin Lane-brain throwing overripe tomatoes at sister Ezrielda. And beste of awl, my older sister Stoopnesia fixin' me up in my beste little pare of overawls and then riding withe me on olde Jack—the fambly mule—tew the little church across the hill and around the berry patch. And the little olde preacher a-chewing his cud and waving hiz arms around in the aire, and cussing at the congregashun about theyre sins. And then sum shots wood wring owt and awl the men folks wood rush owt, and withe the place half empty I could see yew across the rume and yew wood drop yew're eyes coyly and yew're aunt wood hav tew pick them up fore yew.

Oh, thoze whir the days and I miss them. Wel, withe the teers in my eyes (and the others, too, for matter of conformity) go into a mass air raid on all the poor boys who have no method of defense in this total blackout against this raid. The girls swirl around the room and at the sound of the whistle, swoop down and grab the nearest unsuspecting male and have the privilege of necking with him for five minutes. Then the lights go on. Well, we walk into the room just as the lights go off, and before we know it, they are loose. After what seems moments of drinking out of a beer can, or its equal, the lights go on. And it seems that we have Watson, the butler, in our arms. The poor man had come into the room at the same moment as we, and being very confused and thinking males were more logical aviators, had set out to do a little flying on his own hook. Well, we were sorry to set him flying—on our hook—to the jaw.

Punch Is Spiked Gathering up what appears to be the "date", we proceed further in this party of the very ultra-modern. A golden tinted mirage looms up before us. Ah, we think, as all of you are probably thinking by now, being at a Halloween party, and naturally developing a thirst, cider! Apple cider! Dashing over to the bowl, and tilting the huge bowl to our lips, we drink. Long, deep and quick! Wow! Reminders of the old days when we weren't on the wagon. Quickly draining the bowl (all of us, of course) we spin around. Gad, that's funny. We didn't even move in relation to the floor, and yet look at those walls fly around. Darn these new fangie houses, we think. Or, darn clever of the hostess, with her decorations, to produce this effect. And those gaudy pink and white elephants, and the blue alligators. Clever costumes the others were wearing. And then, like a bolt out of the blue, or should we say deep purple, it dawns on us (of course). Spiked! The punch had been spiked! And we, like boxers, are punch drunk.

Enter Morgue Hastening out to find new worlds to conquer, we step through a door, and Br-r-r-r. Don't tell me we are back at Little America? Absolutely. There's a thermometer hanging on the wall. Zero! The gal grabs our arm. "Look," she shudders, "we're in the morgue!" Gad! It was true. Legs hanging all around us, Flesh, flesh, everywhere. A chill goes up and down our spine, and it isn't the intense frigidity. We touch the slippery forms. "E-e-ek!" she screams, "It is flesh." And it was. Soft, vibrant,

laste Sunday I decided tew goa tew church. Putting on my suit and deciding on wearing shews I set owt, walked a few blocks and went in won, about 10 times bigger than the little gray won. People whir singing and then a man who wazn't chewing or waving hiz arms or cussing, but withe black robes on—I gess he was the preacher—started tew pray. Wel, there I wuz, wringing my hat in my hands and trying tew pray wen I happened tew turn around and look up the isle tew the door and there were 3 men whom I had seen some- wear before. Sed won, peering around, I wunder wear we are? Sed another—I don't think itz a pool hawl. The third wiping teers from hiz beard and wringing hiz hands together sed, quote—don't yew remember, thiz iz a church. I remember az a little boy going tew strawberry socials and bingo parties in won."

And bingo, it kame tew me in a flash who they whir—Professors Whee, Flunkum, and Howe—from skool. A broad smile kame over my face az I understood that I wuz not the only won reforming. Wel, deer Sally, did yew no that today iz Hollowean. Yep, Hollowean iznt wa; it used tew be, like bak hoam in the hills, wear we wood put gressed pigs in olde lady Peachem's

By Frank Hull

It was back in 1906 that Professor Finnegan was engaged as instructor in Fire Protection Engineering. He is now the well liked head of above mentioned department.

Along in 1905 and '06 several clubs were organized with the name of the state which the members were from as the name of the society. There were three at that time, namely, Nebraska, New York, and Kansas clubs.

Mary sat upon a pin, But showed no perturbation, For some of her was genuine And some was imitation.

Integral, 1906.

Just nine years ago President Heald was an assistant professor of Civil Engineering.

Armour beat the U. of C. in baseball back in 1930.

In 1912 the Institute was honored by having President Taft speak at an assembly. The occasion was the 20th anniversary of the founding of Armour Tech.

Back when Dean Tibbals was coaching tennis, the Armour boys didn't do so bad. Take 1924 for instance: Armour beat Northwestern U. and Crane Jr. College twice. They tied Marquette U. and lost to U. of C.

To ride a pony is a crime, The Profs claim, to my knowledge, And yet I think I'm safe to say It's just the same old stunt that they Used freely in that ancient day When they, too, went to college.

Cycle, 1921.

The devil fumed and fretted, Not a spark could he discern. The Armour Frosh was on the grate But far too green to burn.

Cycle, 1924.

The great source of news for Armour students is the Armour Tech News. The first issue was published on April 9, 1923. The paper at that time was slightly smaller than it is now, but it was the start of the "News" as we know it now.

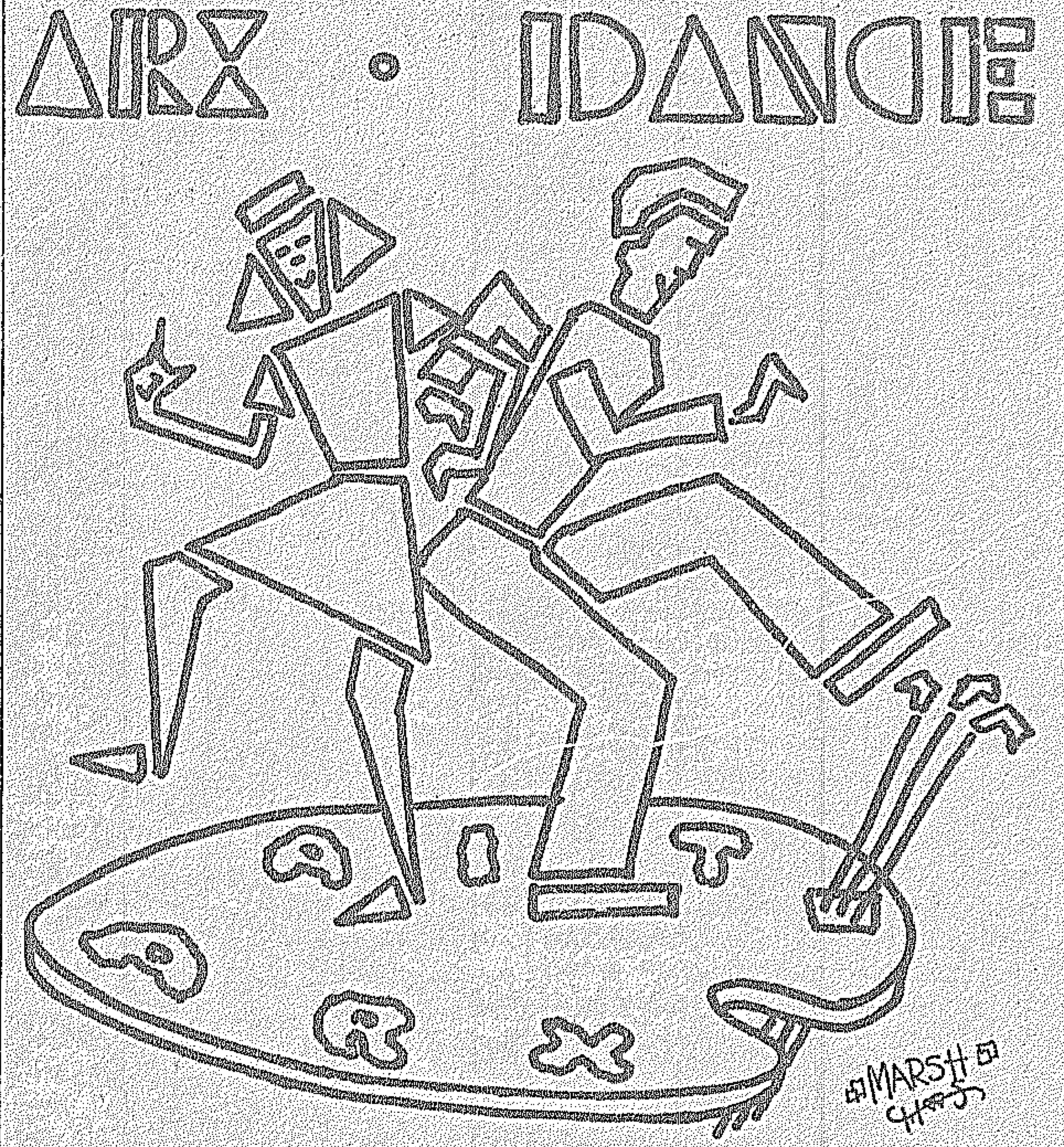
Prof. Hendricks began teaching here in 1923. As he fostered the idea of the Tech News when he came, he is known as the father of the publication. He is still faculty advisor.

Remember when the 100 inch telescope was the largest? The man who built it was F. G. Pease, a graduate of Armour.

Of course you all have seen that rock near Union Building. It is the largest specimen of nickel bearing rock to have been transported from its mine. It is supposed to contain about 800 dollars worth of gold. The rock weighs two tons.

This information is taken from the 1899 issue of the Integral.

Real Solid Senders



SHADES OF YESTERYEAR



YESTERYEAR



It won't be long now before everybody'll be trucking, I mean, swinging at the ARX DANCE . . . just in case, it's next Friday, November 3 . . . at the SHAWNEE COUNTRY CLUB . . . if you haven't got a date already, call up that certain gal NOW. . . It's going to be the best yet. . . All Arx, engineers, and art school beaux are going to be there with their belles, a-swinging, trucking, walking, etc.

Special extra! . . . we understand that there is going to be a QUEEN of the ARX DANCE, mmm, mmm. . . We further hear that JUDGE PRATHER, with the help of a committee, will award an orchid corsage to the lucky gal selected as queen. . . (No brides under \$5 given consideration.)

Speaking of gals: Did you see what Siels is gonna bring to the dance? . . . The beautiful blonde with the Blue eyes, mmm! . . . How does he do it! . . . Coyle is going to take his wife. . . Which reminds us of Wanita, Ruth S. (his cousin, he says! . . . nuts! . . . Did your cousin ever threaten to blacken your eye?), etc., trouble. . . Hutton went to Potts, came back, and its Mac now. . . We hear that Sherer was down at the Art Institute last Weds. at 8:30 A.M. . . Fox claims it was the model. Ernie's got his eye on another model. . . The juniors seeing how well he has done, have started trying out their sales talk, but no go! . . . Penny serenade again, with Cokes, Helen and Hasskarl! . . .

We're glad to see that the Steam Shovel is at last getting some quality info. . . Yes, I mean news of Arx. . . Saw Nancy the other day. . . Did you ever hear of "raming bricks" unquote Danforth, the pianist.

Here's a resumé: . . . 2 years ago ART-GUM gave to BOZ-ARTS . . . now BOZ-ARTS leaves to O'Brien the job of slipping you all the dirt, info, news, etc. . . Next week Ossie, Hutton, Mandel, Coyle, Salzman, Mirotznic can breathe easier, I hope not! . . . So long. . .

FRATERNITY NOTES

Up to Friday night, the main subject of the table talk at the houses on the campus was the touchball tournament. Last week saw two walk-aways, one tie, and an upset. Delta Tau Delta's steam roller, with Scherer at the controls rolled over the much talked of Rho Delt team 37 to 0. Phi Kappa Sigma crushed Sigma Alpha Mu 35 to 0. The surprise of the week, however, came when Theta Xi, contrary to all pre-game talk, turned on Triangle and removed all of their overconfidence by a victory with a 27 to 6 score. Perhaps the most exciting game of the week was that between Alpha Sigma Phi and Pi Kappa Phi. After the dust of three overtimes had blown across Dearborn Street, they had to set another date. On October 31 they will try again to break the 6-6 deadlock.

Come Friday night, and the touchball bruises and plots were all forgotten as the houses turned to the more romantic aspects of fraternity life. Pi Kappa Phi jumped the gun and had their Halloween party on Friday night, while the other houses had theirs on Saturday night.

Tomorrow the houses will be able to pledge the men that they have rushed during the past six weeks. Pi Kappa Phi held their regular mothers' tea last Sunday to which the parents of the rushees were invited.

Beta Omega Nu held its regular meeting last Wednesday night. Due to a fear of quizzes, there were only a few members present to watch the initiation of Ed Moore and Earl Huxhold.

The ideal school lunch—a bottle of fresh Grade A milk, a vegetable and a hot nourishing main dish.

Milk is your most valuable food in building good physical condition.

DRINK MILK WITH EVERY MEAL

PLEASE GIVE US RIVAL DOG FOOD

RIVAL DOG FOOD is made by an exclusive, secret double-purpose formula which does two important things. First, it pleases your dog's taste better than anything you've ever fed him; and second, it DOES MORE for him—gives him bright, sparkling eyes and plenty of pep! Dogs LIKE Rival's tempting flavor, and stay healthy and contented on its pure, wholesome ingredients. Rival has solved the dog-feeding problems of millions! Buy a tin today!

- GUARANTEED—Rival Dog Food is fully guaranteed.
- QUALITY—Rival is packed in a plant operating under Federal Supervision.
- NO 'FUSSING' WITH VARIED DIETS—dogs eat Rival indefinitely without tiring.

For your CAT—RIVAL CAT FOOD, a special food for cats

FREE Identification Tag
Break tag, worth 25¢ or more, stamped with your name and address. Complete with your dog's name and address. Attach tag to your dog's collar. Absolutely free and guaranteed. Send tag to Rival Food Co., 27th and Ashland Aves., Chicago.

RIVAL DOG FOOD

Hi-Yo Silver Gives Ways and Means To Foil Assorted Types of Wolves

In these trying times it is of the utmost importance that we know something of the hardships that may come our way and perch on our door steps. I am therefore going to write an article on "How to Keep the Wolf From the Door in Ten Easy Lessons." To begin with, there are several kinds of wolves that have to be taken into consideration. There are wolves of Wall Street, wolves in sheep's clothing, and I have an uncle named Wolf, living in Indianapolis. Keeping the wolf from the door is something that most of us have to do at some time in our lives. Therefore, this subject should be of great interest to many readers.

Keeping the wolf from the door is a very difficult feat and must be approached cautiously. Only the other night I was talking to some very eminent wolf-keeper-awayers and they have informed me that things have gotten so bad that there are hundreds of wolves who have succeeded in getting into the house, only to starve to death after they got inside. And they have also figured out that in years to come, there won't be any wolves to keep away from the doors and if things get any worse there won't be any doors left for the wolves to keep away from. The best known way to keep the wolf from the door at the present time is to build houses without any doors—or even better, let the wolves live in the houses and you live outside.

As I told you before, I have an Uncle with one eye by the name of Wolf. We never did find out the name of his other eye, but the main point is that his name is Wolf. He is a very smart man, having graduated from reform school at the age of thirteen. He was always very smart, even as a boy in public school. He was in the fourth grade so long he married the teacher. Then he went to college to study pharmacy, but didn't pass his examinations because he couldn't make sandwiches, but this didn't discourage him in the least; he forged ahead and finally graduated with many degrees—I think a fever of a hundred and three.

In his earlier years, after much study, he finally solved the problem of keeping the wolf from the door and I'll tell you how he did it.

He starved himself for five days and five nights. Nature taking its natural course made him as hungry as the wolf—in fact, made him hungrier than a wolf. Now with my Uncle Wolf inside and the wolf that was outside, it was a case of Wolf eat wolf. The wolf sensing the situation was afraid to come in and ran off into the woods. You who know anything about wolves might say that this is very unlikely to happen to a full grown wolf. Oh yes, you might know your wolves, but you don't know my uncle.

Mr. Setterberg Attends Meet Of Registrars

William N. Setterberg, Registrar of the Night School Division of Armour Institute, attended the seventeenth meeting of the Illinois Association of Collegiate Registrars last week. The meeting, which was attended by 74 representatives of 44 colleges and institutions, was held October 26 and 27, at North Central College in Naperville, Illinois.

The meeting was held in three sessions, at which papers were presented on the various phases and problems which arise in the duties of a Registrar, and also on the future trends in the curriculum and registration. Reports of the various officers and committees were read and the selection of a representative to the national convention of the American Association of Collegiate Registrars made. Officers for the year 1939-40 were elected and presented.

Of particular interest to Armour students, now that Armour and Lewis have merged, was the active participation in the affairs of the association by Lewis' Registrar, Miss Agness J. Kaufman, who presided at the second session on October 27. Miss Kaufman was also vice-president of the Association for 1938-39.

STOOPBRAIN—

(Continued from page three)

bed, and put uncle Zeke's old mule in the town hall, so that when the town council met the other day there would be an additional ass in the place, and how we used tew catch bats that lived in the woods and put them up in the church tower, so that the deacons found they had bats in their belfry. Wel, these city slikkers due things diferent. There idea of a joke iz tew soap store windows so that I suppose the customers will work intew a lather when they try tew look thru them. And then they cut down trolley wires so that they wood defeat Ohm's law. I suppose—no current flowing, hence no resistance, except frum the policemen who grabbed the fellows. I dont sea why people wear false faces wen they go tew parties on Halowan, most people look more natural the other way.

Deer olde Armore Tech will sune not be Armore Tech much longer, ovr skool of tradition and learning, of wich I am an intelligent example. Yes, we are combining withe sum other skool named Lewis Tech, and I hope it iz fore the best. Personally, I prefer deer olde (and I due meen olde) Armore tew any other. The only worthwhile advantage I can see are

that we take over a batch of coeds.

The first bige danze of the year iz coming off this Friday nite wen the arxitects hold there annual OX dance at the Sawnee Country Club. I wuz there laste year and the year befour and had a swel tyme so am looking forward to anothur kean affaire. And I hav a new glamor girl tew take, and I tell yew she iz a wow. I hav never seen her, but I heer she iz hot stuff, so I am going tew light a match and go owt withe the flame.

Wel, muste close. Az won fellow sed tew another, quote, my girl iz so skinny and anemic that if shea drank a bottle of mercury, she'd look like a barometer, and abowt az low." Wel, will be seeing yew,

Tures Stoopbrain Bliss.

Student Directories Will Be Issued Soon

Student directories, listing names, addresses and telephone numbers of faculty, students, and employees of the institute will soon be ready with all of the data compiled. Issue will be made to all students who are willing to pay ten cents for a copy. This small fee is necessary to prevent unnecessary waste which has occurred in former years.

CO-OP NEWS— (Continued from page two)

Industry is far behind Armour in supplying good grinding equipment. The welding laboratory, for instance, provides a grinder with very nearly elliptical wheels and a grinding surface given by a formula that even the manufacturers cannot decipher.

It may be fun to some, but to Gilbert Chubinski of the 4A group, it's all grief and worry. Months of hard labor on his part have finally resulted in a large boat, painted and ready to sail, in his basement. He now finds that the boat is too large to be removed until the porch is either removed or remodeled.

"The Pinnacle of Pinochle" is the aim of a newly formed group of twelve 4A co-ops. Ruhe, Nigrelli, Parker, and Hutchings are the "Big Four" of the organization, with Zalewa, Chubinski, Leverenz, Kosley, Blaida, Gustaffson, Meyers, and Herring, as regular members. Jones, the Joliet Flash, is busy organizing a second such group. Each day during lunch hour, the group meets, and individual players deliver three minute exhibition of good pinochle practice. Following this, the group listens to the constructive criticism by the Big Four on their three-minute card-playing exhibitions. After the criticism, the

Mechanicals Hear R. L. Simons Speak On New Air Bureau

Following a short business meeting of the A.S.M.E. last Friday, Mr. R. L. Simons, Air Carrier Inspector for the U. S. Civil Aeronotics Authority, spoke on the functions of his department.

Mr. Simons explained how the shortcomings of the former U. S. Bureau of Air Commerce brought about the enlarged department known as the G.A.A.

Items of interest to all student members of the A.S.M.E. taken up at the meeting included the announcement of awards to be presented to members. The first is the one hundred and fifty dollar Charles T. Main Award for the best paper on the subject "What Has Been the Effect of Technological Advance on Employment." There will also be two \$25 awards, to be presented by the parent society, for the best papers devoted to any engineering subject.

Progress Ceases in Tennis Tourney, One Match Played

Progress in the tennis tourney has gotten to a point where it now ceases to be progress. This week in spite of the unseasonably fine weather only one match was played that being between Herrick and Kapranos. After three hard fought games Herrick overcame Kapranos, 6-4, 1-6, 7-5 and advanced to the third round. Previously Obergfell had advanced to the third round by beating Murray, 6-2, 6-3.

To date there still remain three first round and six second round matches to be completed. It should be remembered by those in the tourney that in order for any rewards to be given the tourney must be completed.

HALLOWE'EN—

(Continued from page three)


yielding flesh that fairly quivered under our touch. Well, that is about the last straw. Whipping around, we reach out and throw open the door and run out. With a grim smile of triumph we turn around and stare at the small, neatly lettered sign: "Refrigerator".

Dashing out to the main ballroom, we are just in time to hear Miss Mary Blop calling out, "In thirty seconds it will-ll-ll (with a great vibrato in her voice) be—TWELVE O'CLOCK! At exactly the stroke of midnight we will all unmask (perish the thought) and reveal our true identity. "Are you going to unmask, Mary?" a voice calls out. "Unmask!" she screams. "I haven't had a mask on all evening." "Oh, pardon me," the voice answers, "it must be the mascara."

The clock strikes. It strikes again, and again. What a racket, we think, the cider still playing havoc with things in general. The last stroke sounds. We whisk off our masks, and gad! And triple gad! Where did we pick her up?! It's Mary Blop's momma! And when she's out to get her man, she's worse than the Canadian Mounted. Mary's expoppa had found that out. With a yell we grab our pencil and pad and with a last wild look around, dash from the house, the lot, the block and the neighborhood, and vow that Halloween should be given back — to the kiddies!

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The one and only Benny Goodman—King of Swing—with the greatest assembly of swing musicians ever gathered in a single band! Don't miss this fast-moving, swing-thrilling half-hour program. NBC RED Network, 10 pm E. S. T.; 9 pm C. S. T.; 8 pm M. S. T.; 7 pm P. S. T.

SATURDAY NIGHTS




BOB CROSBY

Bob heads up "the best Dixieland Band in the land"—spot-lighting song-writer John Mercer, the Bobcats, and songstress Helen Ward. A half-hour program of sweet and hot "sending" every Tuesday night. CBS Network, 9:30 pm E. S. T.; 8:30 pm C. S. T.; 7:30 pm M. S. T.; 6:30 pm P. S. T.

TUESDAY NIGHTS

AND "BLONDIE" MONDAY NIGHTS



FEATURING Columbia Pictures' stars—Penny Singleton and Arthur Lake—as *Blondie and Dagwood Bumstead*. A thirty-minute program of laugh-getting, tear-jerking home-town comedy. Tune in and chuckle at the latest antics of the trouble-happy Bumstead family.


CBS NETWORK

7:30 pm E. S. T. 8:30 pm M. S. T.
9:30 pm C. S. T. 7:30 pm P. S. T.

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CORREY LYNN

ARX DANCE—

(Continued from page one)

vary with the desires of the dancers and all may rest assured that Correy Lynn's orchestra will play either swing or sweet music with equal capability.

Arrangements for the dance are in the hands of a committee consisting of Ray Dodge, Thurber Stowell, Leonard Reinke, and Eugene Pointek. This committee is to be congratulated for the excellent manner in which they have formulated their plans.

The Shawnee Club has offered the use of two large lounges, open terrace, and fountain room in addition to the Grand Ballroom. The club borders on Lake Michigan and is surrounded by beautiful landscaping. Decorations for the clubhouse will be kept in accordance with the natural architectural beauty of the sturdy oak construction of the building.

"Engineer" To Feature Fire Marshall Story

This week will see the distribution of the October issue of the Armour Engineer and Alumnus from the alumni office. Featured stories this issue are a recount of the activities of the Chicago Fire Department by Michael J. Corrigan, and an article on the development of the track type tractor by B. C. Heacock, president of the Caterpillar Tractor Company. All of the usual features of the Engineer pertaining to the alumni will also be found in the current issue. That means the lists of activities of some of the old grads, missing names, and class activities. All of the recent changes in the faculty and a resumé of the last president's report are also to be found.

Striking Views

One of the primary features this time is the excellence of the pictures. Several striking views of apparatus of the fire department are shown, and a set of spectacular scenes on the uses of tractors in moving large bodies of earth.

Last June's commencement address by Franklin H. Fowler, president and general manager of Foote Brothers Gear Works, is also reprinted in its full text. Delivered at the Museum of Science and Industry the speech was entitled "Character in Industry" and told of the qualities necessary in a graduate in order to succeed in the industrial world today.

The story of Joseph S. Duncan, one of the men who were awarded honorary engineering degrees by Armour last June, is brought out by the line of "Inventor and Business Man." This article is the story of the invention and development of the Addressograph company.

Air Story

Other features are stories by A. Walcher, vice-president of the American Steel Foundries and an informative piece by Lt. Col. Joseph H. Davidson of the Army Air Corps on the founding of air training courses for college men.

Direction, editing, and make-up are all being done by one man, Prof. J. B. Finnegan. With the resignation of Prof. Hendricks from the Engineer staff last summer, Mr. Finnegan was appointed to take over the job. Active for several years in the publication affairs of the institute, an honorary member of Sphinx, the honorary literary fraternity, and a former member of the student publications board, Mr. Finnegan was the logical choice for the job.

Dr. Tibbals Travels Widely As Armour Delegate At Large

Dr. C. A. Tibbals, our widely traveled dean, returned to school last Friday from a week's tour through the eastern portions of the country. He visited several institutions of learning in a more or less official capacity, depending on the occasion.

On October 19 the dean represented Armour at the installation of Harry D. Gideonse, former professor at the University of Chicago, as president of Brooklyn College. More than 250 colleges were represented at this function. Another day was spent at the Polytechnic Institute of Brooklyn, a school which is very similar to Armour in many respects.

Attends Convention

October 23 and 24 were spent at the 26th annual convention of the Association of Urban Universities, of which Armour is now a member. Several interesting meetings were attended, and consultations held on the problems of school administration.

Two men from Armour were present at the centennial of the birthday of Robert Henry Thurston, distinguished mechanical engineer. A large number of engineers and educators were present at this affair, and Armour was represented by Dr. Tibbals and Mr. William S. Monroe, a member of the board of trustees and member of the American Association for the Advancement of Science.

Junior Class Holds Meeting This Friday

Every member of the Junior class should attend the first meeting of his class, which will be held Friday, November 3rd, in Science Hall. It is important that all juniors attend, for among the topics to be dealt with are the selection of the election date for Junior Marshals and the organization of the class in preparation for Junior Week activities.

The Radio Laboratory Purchases A Q-Meter

Students who are taking the radio engineering course with Professor Sear this year will be able to work with a Q-meter, the newest piece of radio lab equipment. The Q-meter is one of the most versatile instruments that a high-frequency laboratory can have. Among its uses are measurements of losses in coils, condensers, dielectrics, and antennas. A self contained oscillator in the meter generates voltage for these tests, which can be made at any frequency from 50 to 75,000 kilocycles.

Among other new equipment acquired by the electrical department is a 30,000 volt insulation transformer, donated by the Standard Transformer Co. of Warren, Ohio. W. F. Parker, president of this company, is an Armour graduate, class of '05.

A.S.C.E.

(Continued from page one)

sunk. The section which is added is usually 12 feet high, but since the concrete is not heavy enough to sink the caisson far enough it has to be filled with water. As the caisson sinks deeper it has to stand up against higher water pressures. The false timber bottom which is about 5 feet thick consists of wedge joints which will resist these pressures and the inside of the caisson has reinforced concrete walls which are 2 feet thick. The outside walls are 3 feet thick.

The caisson sinks deeper and deeper. Just before it touches the bottom a diver goes down to make the ground level to prevent the caisson from tipping over. The leveling is done of a water hose which has about 200 pounds pressure which washes away the sand bumps until the ground is level. After the caisson has set on the bottom a diver goes down to disconnect the timbers. The ground inside the caisson is excavated and the pier is driven about 50 feet to 75 feet into the sand. This work is impeded by the current if it has a velocity of about 10 m.p.h.

Four Men Pledged At A.I.Ch.E. Meet

Prof. McCormack was unexpectedly the principal speaker at last Friday's meeting of the American Institute of Chemical Engineers. The program was devoted to pledging the candidates to Phi Lambda Upsilon, the honorary chemical fraternity.

Henry Newman, president of the organization, introduced Professor McCormack, who made a brief introductory speech before turning the meeting over to the pledging. He pointed out that although the technical ability of a graduate is assumed, it is the more intangible qualities of a man's character that influence his career. In addition, he said that the organizations and group activities in which a student participates mold and form his background. Only a portion of his professional training is actually obtained in the class room.

Four men, three seniors and one junior, were pledged. The seniors were Robert J. Collopy, John R. Gerhardt, and Constantine A. Kazmierowicz, and the junior was Robert Mead.

As the first part of his duties as a pledge, Mead presented a 20 minute talk on the subject of "Paper." After this speech, Professor McCormack told of some of the more modern developments in this art, and went into considerable detail explaining some of the least familiar parts of the subject.

Request New Blood for Armour Staffs

Two of Armour's publications, the Cycle and the Armour Engineer have vacancies on their staffs, particularly in the copy reading departments. Students with ability and available time for editorial work are urged this week to join forces with Eugene Worcester in preparation of this year's annual and with the staff of the Engineer.

Editor E. H. Worcester stated in an interview that all pictorial matter for the Cycle will be ready by Christmas, making possible an early distribution date.

SNOW CRUISER—

(Continued from page one)

A special steel has been used in the construction of the body so that it will absorb 15 times the impact of ordinary steel at temperatures under 50 degrees below zero without break-out. It was also selected because its strength is twice that of regular steel under alternating and vibrating loads.

The \$150,000 Cruiser is 75,000 pounds gross weight, 55 feet long, 15 feet high, 20 feet wide and has a speed of 10 to 30 miles per hour over a cruising range of 5,000 miles. On its back is a five passenger plane fitted as a flying scientific laboratory which takes ten minutes to load or unload. Equipment worth \$50,000 is to be carried in the cruiser. This and the Cruiser remain the property of the Research Foundation of Armour, although the Government will assume responsibility for maintenance when it is officially turned over to the expedition.

Casualty Talk Before F.P.E.S.

Mr. F. G. Fabian, graduate industrial engineer from Sheffield Science School of New Haven, Conn., addressed the F.P.E.S. last Friday. His talk was largely devoted to Safety Engineering work with automobile fleets and lumber mills. He enumerated cases that have been brought to his attention in his work in the casualty department of Marsh and McLennan. Mr. Fabian emphasized the importance of human behavior in safety engineering.

Approximately 80 per cent of accidents that occur in the average plant are caused through human failure. Safety engineering is becoming a very specialized field. Methods have been developed for illustrating by graphs and charts the effects of safety engineering in the casualty insurance field to the insured.

Seniors Return To Government With Officers

Leading off in their year's activities, the class of '40 held their general class meeting last Wednesday morning in the assembly hall. Headed by Don Sunde, a free discussion was held on the subject of whether to have a commission form of government or to return to the class officer method. After long and loud debate it was determined that the old system was the best, and it was announced that all those desirous of running for any offices should give their names to the members of last year's commission.

With the election primary set for yesterday the seniors have formed the nucleus for their future activities. Several commissions have to be appointed to take care of the important business of the graduating class. Announcement committees and jewelry salesmen must be appointed in the near future. Social activities will be in the hands of the usual social chairman, whose duty it will be to get the senior dance off to a good start in the near future.

Set Precedent

In dispensing with the commission form the seniors have set a precedent. In former years the classes have all held to this form once it was established. Reasons for the abandonment were that the commission for was too inefficient because of the tendency to pass the buck to some one else, resulting in lack of responsibility. It also made it difficult to see any one person and get something done within a reasonable time.

Present feeling is that the adoption of the class officer system will help to bring back the efficiency which should exist. It will place definite responsibility on each and every man and will make possible the conclusion of business with greater expediency.

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In this scene from Walter Wanger's current hit **ETERNALLY YOURS** DAVID NIVEN, as the magician, has put into the glass globe the right combination of ingredients to produce the beautiful LORETTA YOUNG... Just as the right combination of ingredients (the world's best cigarette tobaccos) are put together in CHESTERFIELD to give you Real Mildness and Better Taste.

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