

Many Magazines in Armour Library

Four hundred magazines and bulletins, covering all phases of engineering subjects and representing a yearly expenditure of about \$1,000 are available to students seeking information in Armour's library.

Some of these periodicals contain subjects that are varied in interest and general in scope. A few magazines of this type are Scribner's, Atlantic Monthly, Harper's Monthly, and Scientific American. Other periodicals dealing with current events are represented in Current History, Nation, New Republic, and Review of Reviews. In addition to these, Armour's library receives bulletins—these are kept on file—from federal and state publications, from university experimental stations, and from company publications as well as magazines bearing English, French, and German titles.

Engineering Periodicals Available

The greatest number of magazines, by far, are those received dealing with the highly specialized technical fields. Periodicals of interest to the various departments are:

- Mechanical:
 - Mechanical Engineering.
 - Compressed Air.
 - Machine Design.
- Electrical:
 - Electrical Journal.
 - Electrical Review.
 - Electrician (Eng.)
 - Electrical World.
 - Electronics.
- Civil:
 - Civil Engineering.
 - Engineering News-Record.
 - Roads and Streets.
 - Water Works.
- Fire Protection:
 - Fire Protection Engineering.
 - National Fire Protection Association Quarterly.
- Chemical:
 - American Chemical Journal.
 - Analyst (Eng.)
 - Chemical Reviews.
 - Chemical Education.
 - Chemical and Metallurgical Engineering.
 - Industrial and Engineering Chemistry.
- Aeronautics:
 - Aero Digest.
 - Aviation.
- Mathematics:
 - Mathematics Teacher.
- General Science:
 - Philosophical Magazine (Eng.).
 - Annals of the American Academy of Political and Social Science.
 - Nature.
 - Physical Review.

System of Indexes Kept

The constant stream of periodicals appearing weekly, monthly, and quarterly would be useless to a great extent without the general indexes that aid in locating magazine articles by author, title, or subject. Experience has shown that one source of index is not very practical therefore the Armour library practices a system of many indexes. Some of these indexes are as follows:

People's Index to Periodical Literature, 1881-1906. Indexes 470 American and English periodicals—chiefly general.

Reader's Guide to Periodicals, 1900. An index to general magazines, some U. S. government publications and reports of associations, arranged alphabetically.

Annual Magazine Subject-Index, 1909. Specializes in history, travel, and fine arts.

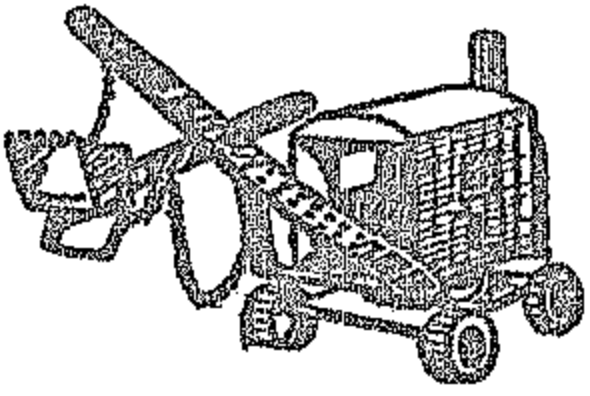
These indexes are merely exemplars of the complete filing list containing numbers of periodicals.

Network of Tunnels Serves Loop Buildings

Few people know about the unusual system of transportation used by large buildings in the loop and nearby for handling freight of all kinds. The Chicago tunnel system should be of interest, particularly to engineers.

There are approximately sixty-two miles of tunnels, forty feet below Chicago streets. Much of the excavated earth which once occupied the sites of some of the downtown buildings was hauled through them. Freight and coal is hauled from the railroad stations to the buildings where it is raised to the upper levels by elevators which are capable of hoisting a fully loaded car. The

THE STEAM SHOVEL



"BROTHER" WINSTON'S 8:30 class wishes to publicly congratulate "THE BROTHER" upon missing his train and coming all of at least ten minutes late.

And moreover and besides which, if THE BROTHER intends to maintain his policy of giving quizzes every time he gets a cold, the junior mechs request Stanley to lay in a full supply of Smith Bros. Cough Drops, which Prof. Winston can purchase for . . . 5c the box.

Four years at Armour has apparently made wizards of the senior juicers! Otherwise how come four of 'em can walk into class after the juicers were marked one hundred percent present on the roll call?

And be it known that on the day of October 25, 1934, RUFUS OLDENBURGER, mathematician extraordinary, proclaimed to all and sundry that he would—and could—pay \$100.00 cash to any student who found a problem in any College Math Test which he, Rufus, could not solve!!! Call out the F.E.R.A.'s.

Herb Rueckberg coming out of a "mech" class was seen to pat his slide rule and say, "Little Mannheim, you've had a busy day."

From the looks of ED LINDEN'S physical condition a few days last week, he ought to confine his "going out" to Saturday night.

With the signing up of Last Roundup Dalton as waterboy, the senior schmiers feel their incapacity to challenge even Chicago or Northwestern.

Do you suppose that Armour's rising mathematicians have found a formula yet for the amount of streamlining imparted to a penny on being run over by a streamlined train. Judging from the number of observers at the experiment, they must have enough data. (Some green horns were observed to draw the hasty conclusion the streamlining was perfect because some of the pennies traveled an infinite distance after the treatment.)

The publicity given to "Johann" Roberts by this column has evidently had a good deal of effect. He came out of that "walking checker board" into a rather drab ensemble—for him.

Jake W. Bard (Jake the Barber) would like to take pictures of the Institute at night and desires capable assistance — preferably from Ray Mansfield.

As a result of the love letter printed in last week's issue of the News, a certain student with initials _____ came in and demanded the same. We forgot to ask his name!

The dawn has come at last. The man with four names. He is Otto Peter Paul Freiling, the flying dutchman from Aurora.

If you want to know what constitutes the "well-rounded" individual of Tau Beta Pi—we say glance at William B. Ahern.

RAH for Tommy Jones and his upper classmen. They do a good job of keeping the hat wearing Fresh subdued while Pop and his boys en-

tunnels played a large part in the filling of the lake at the present site of the World's Fair.

One way traffic is in force for greater safety and at intersections suitable signals are provided. The cars are about the size and type used in mines; they are drawn by the standard electric hauling engines which receive current from an overhead trolley.

Hotels and theaters have shafts leading to the tunnels from which they pump air for their ventilation systems. It is claimed that the air in the tunnels is at least 95 per cent pure at any time.

STUDENT MUSINGS

Love

Love is a peculiarly squashy condition of the head produced by an appetite in the heart. It is a grand thing for the heart, enlarging it to many times its former capacity, but what it does to the mind is mournful to contemplate. Under the influence of love, we see \$9 a week clerks buying \$5 bunches of violets, strong and fearless young athletes weeping great pearly tears, because the mail carrier didn't produce a pink scented missive, and well educated young women regarding Apollo, Shakespeare, and Daniel Webster as mere trash, when compared with the magnificent young football players or necktie salesmen who call at their homes each evening.

Love blinds the eyes, warps the judgment, spoils the taste, increases the capacity for happiness, takes the sting out of misfortune, softens the disposition, makes hard work worth while, and fills the land with happy, and often crowded, homes.

Love is an infernally, ridiculously, and painfully magnificent thing. It is a 1,000,000 volt shock of personal magnetism, against which there is no insulation. It preys upon the old and the young alike. It attacks the statuesque young society princess and reduces her from an iceberg to an armful of soft words in three weeks. It steals into the bony frame of the hardened old skinflint, who has just ejected thirteen housing families from his tenement houses, and transforms him into a slave of the barber, the manicure specialist, and the florist in less time than it would take a thousand dollar bill to earn a jitney in interest.

Love can be cured, but it isn't worth while. It is too fascinating in its terrible progress. The best treatment is to ally it and mitigate it by means of marriage. There is as much love after marriage as before, but it leaves the brain and goes down into the heart where it belongs.

Love has remodeled nations, revised history, overthrown kings and champions, and has made literature worth reading. It is said that love makes the world go 'round, but it does more than that. It makes the world go 'round and 'round and 'round like another well known intoxicant. But it is a far more divine dizziness.

P. S.

force discipline on the "hat forgetting Fresh". What would become of law and order, if there were no upperclassmen to see that it gets enforced? Maybe it would go the way of the "elevator rule", which Charlie Boy gets little help in enforcing.

The Heat and Radiation class's open to advice from most any good engineer. Its problem is, "How to heat an electric furnace from 12 to 12:30, when the juice is shut off at 12; or how to melt aluminum in a cold electric furnace?"

Arm News

It's a mighty fine feeling to know that this column has such loyal supporters as "Buckeye" BUCHHAUSER. For instance, to prove to the world that yours truly was correct last week in stating the French derivations of the architect's vocabulary, Buck appeared on the scene of the senior esquisse-esquisse wearing a beret. Fear no more, for he's sporting that ten-gallon sombrero again.

Speaking of that esquisse-esquisse—well, why speak of it at all? How morbid! How down-in-the-dumpish it left the seniors! And why not? How would you feel after wrestling in vain for eight hours with "An Entrance to a National Cemetery"?

A very jovial fellow to have around even when he's half asleep is Red MAYFIELD. You'd be surprised what a marvelous sense of humor he has with his eyes shut. We'd like to hear him talk in his sleep sometime!

The election for massier of the frosh all but came to blows. Finally after no less than three run-offs the perspiring freshies named Joe BAKER as massier and Wally LITWIN sous-massier. Lucky boys.

Bernie NOBLER on behalf of the sophomore class extends the most heartfelt sympathies to the freshmen, who have in their midst a fellow classmate, who, because of his overlapping tonsils, is destined to go through life a CROONER. Readers, meet Crooner SCHEEL.

One of the strangest things of our school experience happened the other day. Gus KVAPIL (and it's not misspelled) was meticulously attired in a blue double-breasted suit and a neatly tied cravat. Now Gus, of all people!

The firm of KOSSUTH and LIEBERMAN has now incorporated and is operating a sign painting business. Its specialty is "Free fish every Friday" posters for averns. The designing is done by Charlie Lieberman, and Johnny Kossuth makes the contacts. We still think "Lieb" is a better designer than he is a football center.

Ted HOFFMEESTER is still content with his usual, "Make a dozen studies, a hundred, a THOUSAND"; but Charlie BEERSMAN booped the boys this week with, "Think it over, and I'll be back before you start THINKING."

Oh yes, lest we forget, we must mention Mal Forsyth's hair cut. That's all, just mention it. SEE it for yourself and then YOU try to DESCRIBE it.

Why do you suppose Mel GROSSMAN is reluctant about introducing his cousin (a girl!) to Wally SOBEL? Bet you've got the answer already! EAGLE EYE.

Fraternity Notes

DELTA TAU DELTA

We take pleasure in announcing the pledging of the following men: Malcolm C. Forsyth, '35. George Amory, '37. Joe Baker, '38. Fred Engelthaler, '38. William Hotzfield, '38. Charles Johnson, '38. William Laise, '38. Ralph Borch, '38.

Last Tuesday evening, October 23, formal initiation was held for the following men:

Raymond Bacci, Ch. E., '37. Frank E. David, Jr., '37. Norman McGuone, C. E., '37.

Now that we are all settled in school, preparation for the coming season is being made and numerous activities are under way. The pledges are already at work on plans for their annual dance.

BETA PSI

We extend our hearty congratulations to Brothers John Humiston, John Morrison, and Howard Zibble

Letter Box

October 26, 1934.

Dear Editor:

May I, for the Armour Tech Musical Clubs and Mr. Erickson, the director, express an appreciation of the editorial which appeared last week in the News.

"Putting Armour Ahead" was the appropriate title of the editorial—and the Musical Clubs are putting Armour ahead. The various concerts given at many places in the city have brought the name of Armour forcibly before the public eye. Tentative plans for the coming year include appearances which may do this outside of the city.

It is one of the fondest hopes of Mr. Erickson and the executive officers of the clubs that a bigger and better Spring concert might be given this year. To do this would necessitate a change in the auditorium.

The Spring Concert and the Fraternity Sing, held during Junior Week, are two of the oldest traditions which the students of Armour hold dear to their hearts. If the concert and Sing were given elsewhere, there is no reason why these traditions would be shattered. Instead, a larger concert in a bigger and better auditorium, would give them a more prominent place in urban affairs.

To do what we propose doing would require the entire support of the fraternities and the student body. Obtaining a larger auditorium constitutes a greater expenditure, and in order to underwrite this expense, the Musical Clubs would need this support.

Let's all lend a hand to the wheel and set it spinning for next Junior Week!

Sincerely yours,
J. Russell Lang,
President Armour Tech Musical Clubs.

upon their being pledged to Tau Beta Pi, honorary engineering fraternity.

Last Saturday evening was a big event of the year. The pledge dance went over in good order. However, some of the pledges will be asked to account for their actions at the dance. The biggest event of the evening was the witnessing of the first operation of the new radio. Many of the guests found enjoyment in using the new ping-pong paddles, guaranteed to put the stuff on the ball. Anyhow, many of the members managed to gather questionable material for the coming inquisition.

PHI PI PHI

It is with great pleasure that Gamma chapter of Phi Pi Phi announces the formal pledging of Hardey I. McDaniel Gen., '38.

The pledges, under the capable tutelage of Pledge Manager Brother Tallafuss, are making final preparations for the annual Pledge Dance to be held Saturday, November 3. According to the rumors the dance promises to be exceptionally good.

We had as our luncheon guest last Wednesday, Brother Otto Kuehn, our National Executive Secretary. Brother Callen got away from the Mrs. long enough to stop in at the house and say hello, to the boys.

TRIANGLE

Armour chapter of Triangle fraternity takes pleasure in announcing the pledging of Kurt Weiss, C. E., '38.

Brothers Kendall, Lyford, and Scott plan to see the Illinois-Army game. They will stay at the Illinois chapter while down there.

PHI KAPPA SIGMA

It is with great pleasure that Alpha Epsilon chapter of Phi Kappa Sigma announces the pledging of Warren R. Brinkman, Ch. E., '37.

Halloween decorations were the contribution of the social chairman as Phi Kap couples enjoyed the dance last Saturday night.

Brother Nailing and Brother Jenks, grand executive officers, spent a day at the house last week.

The Mother's Club started their active social season with a bridge party on Sunday, October 21. This club has helped the house to a great extent and is planning another meeting on November 11.

As the ping-pong season is now well under way, the fellows are spending their leisure time in working out their errors. We are looking forward to a successful season this year. Our football team is still in need of a game so anyone wishing to schedule a game, please see Louis Biegler.

RHO DELTA RHO

We have decided to hold a dance in honor of our pledges at the house Saturday evening, November 10.

We take great pleasure in announcing the pledging of brother Norman J. Cooper to Eta Kappa Nu, honorary electrical engineering fraternity.

ASTRONOMY
STARS AND NEBULAE ARE INCANDESCENT BODIES — THE STARS ARE GENERALLY SPHERICAL.
HELLO — EVERYBODY.

WE KNOW THAT THESE BODIES VARY A GREAT DEAL IN SIZE — ETC., ETC.
CHOP UP.

THE ONLY WAY TO DETERMINE THE MOTION OF A HEAVENLY BODY IS TO COMPARE ITS POSITION AT TWO DIFFERENT EPOCHS

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PIPE-ONOMY
AND EVERYBODY KNOWS THAT STAR OF THE SMOKING TOBACCOES — PRINCE ALBERT

AFTER EVERY CLASS IT RINGS THE BELL!
IF YOUR PIPE unkindly bites your tongue, change to Prince Albert. "P.A." is blended by a special process which removes all trace of "bite." Try a tin yourself. You will like the mild, mellow flavor of the top-quality tobaccos. You will like its delightful fragrance. Briefly, you will like Prince Albert.

PRINCE ALBERT
— THE NATIONAL JOY SMOKE!

