

Prof. Wall of N. U. Lectures in 'Series'

Professor H. S. Wall of Northwestern University gave one of the regular Tuesday-Friday public lectures in 217 Chapin at 11:30 last Tuesday. His subject covered the theory of continued fractions. He showed that there is a theory of conversion like that for power series, but that the series is still in its infancy.

The talk on Thursday, Dec. 1, was by Professor Oldenburger on algebraic aspects of symbolic dynamics. He showed that as the set of real numbers splits up into rational numbers and irrational numbers, so the set of irrational splits up into recurrent, transitive, and other numbers. Whether or not the famous irrational numbers "T" and "E" are recurrent and transitive is still an unsettled problem, and must be solved before we can expect to know much about these numbers. In dynamics, recurrence of a motion is a measure of the nearness of the motion to periodic motion. The motion of the moon is not periodic, but may trace a recurrent motion.

Next Thursday, December 8 at 11:30 in 217 Chapin, Professor Oldenburger will lecture on a "New Theory of Polynomials," an entirely new point of view that he developed. In this theory a polynomial is considered as being a sum of the powers of the first degree polynomial. Dr. Oldenburger will lecture on the same subject under the auspices of the graduate school of the University of Pennsylvania on December 15, and on December 28 before the American Mathematical Society at the College of William and Mary of Williamsburg, Virginia.

Armour Library Receives 150 Books From Mrs. Bley

A collection of about 150 books was given to the Armour library by Mrs. John C. Bley. This collection of books, which belonged to her deceased husband, contains a number of technical volumes which are very valuable because at the present time they are out of print. Included in this number are *Experimental Engineering* by Carpenter and Dietrich, and *Engineering Mathematics* by Steinmetz.

Mr. Bley, formerly an Instructor in Armour's mechanical engineering Department, 1895-97, had a library of over 1000 books. He was very interested in books on arithmetic and descriptive geometry, possessing a large number of books on these subjects. At the time of his death, Mr. Bley was employed as an engineer by the City of Chicago.

SENIOR DANCE—

(Continued from page one)

A small \$26.95 Sparton Radio will be awarded by the senior class to the holder of the "lucky" number. All bids must be paid for by 3:30 Friday afternoon and the drawing will be made by Dean Tibbals about 4 p.m.

Because of the large number of students who are expected to turn out for this affair, the parking problem has been given considerable thought by the men in charge. At present, there are about 1,700 night school students in attendance, and a good many of them bring cars to school. Parking has never presented a serious problem to the night school, so that there should not be any serious difficulty with the dancers' conveyances. As usual, the big lot south of the Main Building will be open, and with other space that is available on the streets surrounding the Union, the space should be more than will be required. The regular school watchman will be on hand to guard the cars, and there will also be two or three extra city policemen on duty, as well.

Check room tipping will not be allowed.

Refreshments are to be furnished to the dancers if they will descend to the new lunch-room. Full soda fountain facilities will be available, enabling one and all to enjoy what ever they choose. It is a foregone conclusion that the lounge in the old civil drafting room will be a popular place during the course of events. The new furniture and rugs, along with the other interior decorations, will provide an excellent resting place for those who wish to sit out for a while.

In calling their dance the "First Nighter" the seniors are providing a deluxe opening for the new Union.

A. Diedrichsen Shows Color Movies Before 'Armour Eye' Meeting

At their meeting last Friday, the Armour Eye was host to Mr. A. Diedrichsen, who brought 2400 feet of Kodachrome moving picture film, as well as 60 full-color still pictures with him, and gave the club a full two hours of enjoyment by projecting them on a screen.

First came a reel which was 1600 feet long, and took an hour to show, consisting of well-taken shots during a trip along a south-western route to California. The trip included visits to Bryce Canyon, Zion National Park, Sequoia National Park, and the Grand Canyon. Some of the shots, which, by the way, was with a Cine-Kodak Special, equipped with all the extras, such as a telephoto lens, were exceptionally, and, in some cases, un-speakably, beautiful. They included astonishing views of Boulder Dam, various waterfalls and foaming rivers which did all but stand out of the picture, and gliding panoramas of rock which was colored in burning red, orange, and yellow.

The route in California included a trip to Yosemite National Park, and a drive along the Pacific coast up to San Francisco. Here shots of the city, ocean, golden gate, and its bridge, made every one in the audience gaze in wonder.

On the way back, Mr. Diedrichsen and his friends drove through Yellowstone National Park and the Dakota "bad lands." In the former place he took some views of "Old Faithful," showing every detail of the spectacular fountain, as well as shots of the "paint-pots," which are clay pools

Austin Evening College To Hear Dr. Krathwohl

William C. Krathwohl, professor of mathematics, will speak to students of the Austin Evening College next Monday. His subject will be "Streamlining Mathematics."

Dr. Krathwohl has received much attention of late as director of the Department of Educational Tests and Measurements at Armour, and is in great demand as a speaker on mathematical subjects.

that bubble and splutter, each pool being of a different color. Lakes, falls, rivers and mountains all were shown in their full splendor. A second reel 800 feet long was equally as beautiful, and included some pictures of bears in the parks, as well as tame deer. This was on a trip last July. The 60 still shots were also made along the trips, with a Contax camera.

Armour Eye also held their monthly photograph contest last Friday, and invited their guest, Mr. Diedrichsen to act as judge for the contest. This surprised him rather suddenly, and, at first, he didn't want to consider himself a photographer. Nobody took his statement seriously, however, after seeing the pictures, and he was finally persuaded to appraise the pictures. The winners of the contest are:

First class, consisting of pictures of general subjects was won by Mr. C. E. Hammett. His picture was entitled "Barnyard Madonna."

Second class, consisting of pictures of skyscrapers, was won by George Raymond, whose picture was of the Palmolive Building.

R. E. Vernor Tells of Fire Safety at F.P.E.S. Meeting

Mr. Richard E. Vernor of the Western Actuarial Bureau will address the Fire Protection Engineering Society in Room A Main next Friday at 10:30 a.m. His subject is of interest to all: "Progress in Fire Safety Education."

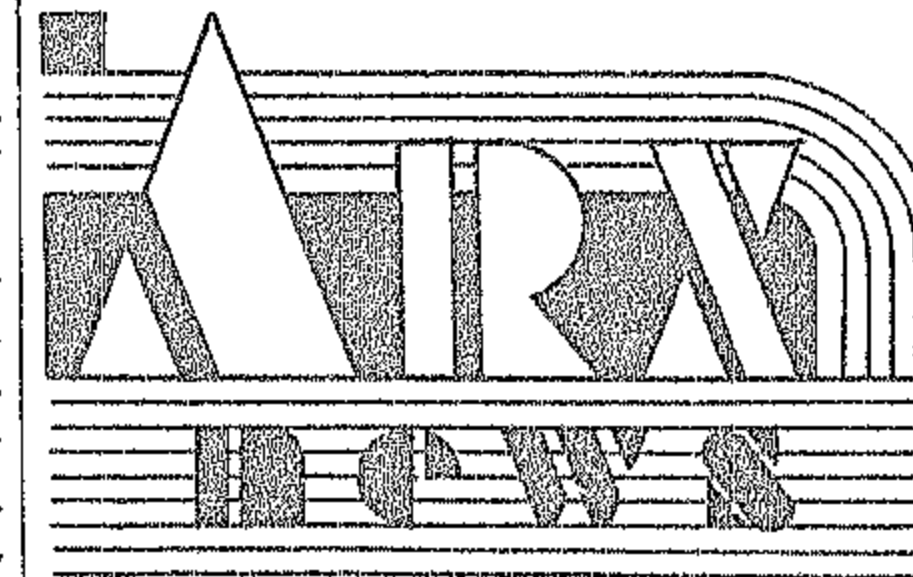
In the October, 1938, issue of the *Armour Engineer and Alumnus* appears an article entitled "Chasing the Fire Demons" written by Mr. Vernor. Manager of the Fire Prevention Department of the Western Actuarial Bureau of Chicago, and in direct charge of the activities of state fire prevention associations in nineteen middlewestern states, Mr. Vernor has made a life study of fire waste and fire prevention. He is considered the country's outstanding expert in the field of community fire prevention.

Much of his time is devoted to work in the National Fire Waste Council, one of the agencies in a nationwide fire prevention program.

Alpha Chi Sigma Pledges Initiated at U. of Illinois

The Armour and Northwestern chapters of Alpha Chi Sigma held a joint meeting and initiation ceremony with the University of Illinois. Northwestern was represented with 11 men, while the Armour chapter had 29 actives and pledges.

A dance was held Saturday evening and dates were arranged for the visitors by the Illinois chapter. Initiation ceremonies were held Sunday afternoon with a banquet in the evening.



Here we are, Thanksgiving over and Christmas in the very near future. Oh, if school could always be just like it is now. During November and December: 50 per cent school, 50 per cent vacation. Mmm!! 'Tis certainly a festive time: Beau-Art Ball, turkeys, "sweet potatoes," Santy-Claus, etc.

The Beau-Arts Ball was a much talked of affair last Friday and finally became a reality Saturday night. Quite a number of ye arx received "invites" to work for the ball, thereby gaining admittance to the grandest occasion of the year. For those not so lucky, the capitalists were admitted with 6 per couple, plus 10.

Danforth (pretty-boy to you) came back from his trip to Cincinnati none the worse for having attended the Scarab Convention. He says, quote: "... unquote. Casanova Goldsmith certainly has a way with the gals. We asked him how he does it. He replied: "It's just un-natural." Is zat so!

Did you see SPEYER'S "Evolution of the Butterfly"? It had that certain umph, umpa. . . .

LOST: One boy, aged 19, hair on head, shoes on feet, with that look in his eyes. Answers to: VIREN. Please call C-7080.

Famous Words: "The test will be on 3-hinged arches and centroids."

Musical Clubs Contribute Ten Outstanding Men to Pi Nu Epsilon Pledge List

Ten outstanding members of the Glee Club and Orchestra were pledged into Armour's honorary musical fraternity, Pi Nu Epsilon, last week. Four men of the Orchestra were pledged: P. M. Hoffman, H. Doolittle, W. H. Mashinter, and W. Caldwell.

Members of the Glee Club pledged were: H. R. Coyle, S. P. Finnegan, J. D. Keane, J. R. Kotal, B. K. Lyckberg, and E. H. Worcester.

The pledges are wearing pearl gray and red pledge ribbons and are required to write 500 word themes on musical subjects. They must also obtain the signature of every member in both musical organizations.

Pi Nu Epsilon was established at Armour Institute in 1927 for the purpose of honoring those men who have been outstanding members of the Musical Clubs.

What do we get? Cantilevers, finks, formulae, broken pencils, headaches, and aspirins. Mmm.

Sophomore Pehta tried to get a ride in one of those new ambulances Friday. He tried to cut his leg off with a chisel, so as to make the Arx News. He almost did cut it off.

Sophs have gone Daniel Boone-ish, what with the making of log cabins, piece-by-piece.

You should hear the freshmen, Michelson and Coyle, play on those "sweet potatoes." Mighty good. They're practicing for the next meeting of the A. A. S.

BOZ-ART.

YOU CAN *depend* ON THIS COMBINATION



Together they
make the United States
admired and respected
the whole world over

And for the things you want
in a cigarette you can depend on
the happy combination of mild
ripe tobaccos in Chesterfield.

Each type of Chesterfield tobacco
is outstanding for some fine quality
that makes smoking more pleasure.

Combined...blended together
the Chesterfield way...they give
you more pleasure than any
cigarette you ever smoked.

On land and sea and in the
air...wherever smoking is en-
joyed...Chesterfield's mildness
and better taste satisfy millions.

Chesterfield

...the blend that can't be copied
...the RIGHT COMBINATION of the
world's best cigarette tobaccos