



Three Hundred Couples Swing It At Arx Ball

Several hundred Armour students, with their dates, attended the traditionally famous Arx Dance last Friday night at the Shawnee Country Club in Wilmette. Correy Lynn and his orchestra furnished the music which was highly acclaimed. It was both sweet and swing, which satisfied both the jitterbug and the waltzer.

Professors Mies van der Rohe, Hilberseimer, Peterhans, Rodgers, Mell, and Dornbusch of the architectural faculty were present and joined in with the festivities. President and Mrs. Heald honored the architects with their presence at this successful social affair.

Select Arx Queen

One of the high points of the evening was the selection of the Queen of the Arx Dance. The committee had the girls walk before the stage and chose ten girls as the finalists. The committee consisting of Fred H. Prather, chairman, Robert O'Brien, Marshall Salzman and Guy Steinweg, then selected the queen. Chairman Prather presented Miss Caroline Yeager, Queen of the Arx Dance, with an orchid corsage. Miss Yeager is the sister of William Yeager, senior M. E. This is the first time the architects have had a queen for their dances, and it is generally expressed that the Arx Dances in the future will continue the practice.

Chairman of the Arx Dance, Raymond Dodge, with his committee of Leonard Reinke, Thurber Stowell, and Eugene Pointek, are to be congratulated on their successful efforts to produce one of the most popular events of the year. The setting of the club provided a friendly and interesting atmosphere with its spacious lounges, grand ballroom, and wandering room. There was an abundance of room for the record-breaking turn-out.

Grunwald Begins Student Speaker Series for A.I.E.E.

Accompanied by wierd musical tones, and phonograph records played backwards, Robert Grunwald on Friday, Oct. 27 presented the first of a series of student talks given before the Armour chapter of the A.I.E.E. The meeting, which was held specially in the electric laboratory, was so well attended that the sixty seats were filled almost at once, leaving standing room only.

The subject of his talk being "Electric Organs," Mr. Grunwald had two audio frequency generators and a phonograph hooked up to a cathode ray oscillograph, so that the audience could see the waveforms as well as hear the sounds. After a few introductory remarks about the nature of sound, Grunwald explained the composition of musical tones. It is well known that notes of the same pitch coming from a violin, a piano, or an organ, sound different because of variation in their content of higher harmonics or overtones. But in addition the wave envelope form, the volume, and the choir effect play an important part in determining the "individuality" of a tone. All of these must be considered in the design of an instrument that is to synthesize musical sounds. Composition of sounds was demonstrated by mixing two pure sine waves of different frequencies to produce a complex wave. To show the effect of a change in wave envelope of a sound, some orchestra music was played backward on a phonograph.

Develop Electric Organ

In the electric organ the art of producing music from electrical impulses has been most highly developed. One great advantage of such an organ is apparent when the expense and bulk of a pipe organ is

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Salamander Holds Formal Initiation At Hotel Sherman

Salamander, the honorary fire protection engineering fraternity, held its annual formal initiation last night in the blue room of the Hotel Sherman. As is the custom at these affairs, there was a large group of graduate members present to witness the reception of Robert H. Harmon into the ranks.

Election to Salamander is held each semester from the men of the junior or senior classes. Only those men who have compiled a record of better than B grade work are considered eligible. In the fall semester the top man from the junior class may be elected, this being Robert Harmon's position. Also, any men in the senior class who are still eligible may be elected at this time. In the spring semester only the men from the junior class may be considered, the seniors having had their last chance.

At present Robert Maxwell is the president of the society, with Don Sunde, Gene Worcester, and Tom Hunter as the other officers.

Packard Gives Camera Fiends Golden Chance

All amateur camera fiends are urged to hurry to the Packard Auto Show and snap those beautiful gals draped over a Packard One-Ten convertible coupe. A unique photo contest offers camera fans rare opportunity for studio shots, for in a miniature studio where ideal lighting conditions are provided, feminine models selected from New York and Chicago are posed around a Packard Coupe at the direction of the fans. There are 26 prizes totaling \$650.00 besides the first prize "The Picture Packard" offered. The contest is open to all attending the Auto Show and any kind of a camera and film may be used, but no flash bulbs.

The Armour Eye has extended the dead line for entries in the Armour Eye Salon, Friday, Nov. 10, to 5:00 the same day, so that pictures of this nature may be entered. Don't forget that all camera enthusiasts of Armour are asked to come and hear the lecture on "Lenses and Shutters" given Friday, Nov. 10, in the Student Union.

Juniors Retain Form of Rule

Following the precedent set by junior classes of previous years, the class of '41 decided last Friday at their first meeting of the year, to adopt a commission form of government.

After a spirited open floor discussing the junior class voted a commission as the most efficient governing body for this year. Opinions were presented by numerous students, both for and against the resolution adopted. Led by Lionel Naum, whose suggestions, for the most part, were adopted in full, the discussion started slowly but soon gained momentum. When the smoke had finally cleared away, there were only ten students who desired to see the commission downed. The commission will consist of representatives from each engineering department, which will elect its own men.

According to the Constitution of the A.T.S.A. student board control, each class shall have one representative to voice his classes' opinions. This being next in importance, the meeting was turned over for nominations to this office. Seven men were nominated, three of whom will be chosen by ballot today. These three will be examined by the board, and one will be elected to this governing body according to the specifications set forth by the constitution.

Nut's Dull Life Told in Story of Many Woes

I am a nut. But, O, pass me not by with such a slighting glance. For I am an unusual nut, yes, an especially special nut. I have lived for many years in the environment of many other nuts, yet, I am not like them. In other words I am a nut among nuts but, mark my words, not of them. Not that I wish to apply unjust terminology to the students of this venerable institution, but . . . well, after all, you must remember that I am only a nut.

Leads Strange Life

My life is a very strange one. I do not quite understand it. I wonder if some time somebody will please explain life to me. I am quite old and yet my mother . . . (sigh) . . . Oh, well. Day after day, at periodic intervals, I am thumped sharply on top with a queer long pole. Strange voices float around me. I am jabbed again, and again, and again. Goodness, haven't people any feelings. But, then, again I guess I am used to it all now. If only I could hear a little better. You know I am a little hard of hearing, I've been out in the cold so much. What's that the fellow's saying? O never mind. It's just the same old chatter. Sine, cosine, tangent . . . sine, cosine, tangent. . .

15.76 Above Datum

And then after they've thumped me a little more some cackling voice rasps out a number. I know it very well. Fifteen point seventy-six it is. Why shouldn't I know it very well. I've heard it for years and years. Glee-fully they shout it. So, I guess they must mean me. Fifteen point seventy-six feet. And then there's something

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"Brother Rat" Casting Ends

Casting for "Brother Rat," the first production of the Armour Player's present season, is nearing completion. Characters for the play, which will be staged sometime in January, will include many men new to the organization due to the large turnout for casting calls. Director Shultz is taking advantage of the large selection to pick the actors to fit the physical as well as temperamental qualities of the parts they are to portray.

Although technical plans for the production are still in a nebulous stage, the general requirements are well known. Differing materially in this respect from the plays produced at Armour during the last year, the play demands three complete stage sets and several changes in each act. This will necessitate an unusually ample stage crew as well as much work on design. All men interested in positions on the technical staff are urged to see C. H. Shultz or R. E. Underhill.

A.S.M.E. Presents Armour Graduate

"The Young Engineer in Industry" will be the subject of a lecture by John S. Townsend, a graduate of Armour, at the next meeting of the Armour chapter of the A.S.M.E. Friday, Nov. 10, at 10 o'clock in Science Hall.

Mr. Townsend is superintendent of maintenance of the South Chicago Works of the Carnegie Illinois Steel Corporation. As superintendent he supervises the work of mechanical and electric engineers throughout the plant. Through his wide experiences he has become familiar with many young engineers and has been instrumental in the solution of their problems.

Being familiar with all the processes and equipment at the plant, Mr. Townsend will be pleased to answer any questions, or explain the operation of the plant, which the Armour students inspected last semester.

Lewis Students Favor Merging of Institutions

"Beneficial to the entire Midwest!" "It's wonderful." "It doesn't make any difference to me." "We won't get the real effect until there is only one campus." These and many more like them were the comments of the Lewis Tech students, both male and female, which were given to your correspondent who spent the entire last week in Lewis Institute. Business majors, philosophy students, engineers, and of course home economic majors yielded these apt phrases. Those who were indifferent were either graduating seniors or straight social science students to whom the merger means nothing. The engineering students to whom I spoke were elated, they could find nothing wrong in the idea. While no one regretted the loss of the name Lewis, many of them felt that they would really experience no change until both schools were on one campus, and that then the best technical school in the middle west would be in existence.

One Objector

There was only one person to whom your correspondent spoke who was dead set against the whole plan, and who acted as though I brought up the subject of his mother-in-law when I questioned him about the consolidation. It seems as though he flunked out of this school last year and went down to Lewis. "I just flunked out of Armour, and now I'll soon be flunked out again" was the only audible muttering I could get out of him.

Summing up, however, it was very obvious that the plan was well accepted by the Lewis student body. Though they have no more real information about it than we have, they have complete confidence in the men who planned the merger and therefore feel that all that has been planned is no doubt, as Pangloss said, "For the best."

Announces Passes For School Games

An announcement has come from the business office that the athletic passes for the coming year are ready for distribution. Providing admission to all of the home games of the school teams and to the Armour Tech Relays in March, the passes are the property of every student.

All of the cards have been numbered to correspond with the registration numbers of each student. It is therefore necessary that one remember his number, so that no man will be cheated of his pass. It is highly advisable that calls be paid to the office at the earliest opportunity to avoid a rush in case of some big event.

This year the passes are printed on orange bristol board similar to the type which has been used in past years. The change to the new style has been made because of the difficulty experienced in reading the names on the cards when they were printed on a black paper.

Tau Beta to Sponsor Initiation on Thursday

Tau Beta Pi will hold a formal initiation of three pledges on Thursday, November 9, in the Student Union. The men to be initiated are Robert Bartusek, George Hanna, and Ralph Wagner. The pledges have been busy writing essays which will be submitted to the national contest.

A prize of \$5.00 is offered to the pledge submitting the winning essay.

After the initiation the members will indulge in a banquet at Block's Restaurant. The program for the rest of the evening is to include Caveliera Rusticiana and Pagniaci at the Civic Opera House.

Armour Tech News Buys Public Address System For Speakers

Seniors Elect Bill Mackey President

Use Lapel Microphone, Mixer Circuits

Gentlemen, permit us to introduce the newly elected officers of the senior class:—President, Wm. Mackey; secretary, Charles Eulo; and social Chairman, Eugene Worcester. The selections for vice-president and treasurer are contingent upon the runoff to be held this week. The remaining candidates for these offices are Dan Shaver and John Catlin for vice-president and William Yeager and Lloyd Norkus for treasurer.

Close Balloting

It can not truthfully be said that any one of the candidates "carried" the election for his office either in the primary or even less in the runoff. 48 votes was the most that any one man received. The greatest edge that any of the leaders had over his nearest rival was twelve votes.

The selections for the first runoff as determined by the primary were the two men with the highest number of votes for each office. There were: William Mackey and Don Charlton for president; James Duncan and Charles Eulo for secretary, and Eugene Worcester and Harold Doolittle for social chairman. The offices of vice president and treasurer were more closely contested than the others; hence, it was necessary to select the three top nominees. These were Dan Shaver, John Eggers, and John Catlin for vice-president and William Yeager, Lloyd Norkus, and Don Mackey for treasurer. Mackey and Eggers were eliminated in Wednesday's runoff.

The total number of candidates was greater than has been seen for quite some time. As shown by the number of final votes in last Wednesday's election, there are approximately 135 voting members of the senior class. Of these 85 were entered as nominees for the various offices of the class. Each department was well represented in every group of nominees. Mackey, Shaver and Worcester have all had experience as class officers in the past and the other officers have all had experience as officers in some capacity or another.

Transforming the Armour auditorium to rank with that of any college auditorium in the city, the Armour Tech News is donating a new public address system to the school. Professor Sear of the Electrical Department has cooperated in the selection of the unit and anticipates delivery the first of the week.

Transmitting the speaker's voice to the tune of a 20 watt power output, the new system is 25 per cent more powerful than the old one and contains the very latest improvements in p.a. design and construction by Webster, one of the leading firms in this field. Operating either as a fixed or portable unit, the new sound system consists of the amplifier, two speakers, two microphones, and a remote control instrument.

Lapel Microphone

Offering considerable adaptability, one of the mikes is the crystal type with a stand, while the other is worn in the lapel. The remote mixer control unit is a new and valuable feature in p.a. systems. By means of this control an operator may seat himself anywhere in the audience and adjust the gain of the amplifier to the most suitable level for the comfort of the listeners. This should eliminate entirely all guess work as to volume control, an especially trying problem when a shift from one microphone to the other is made. If the microphones are used simultaneously, their outputs may also be mixed by remote control.

Sports occasions, too, will benefit from this purchase. The new address system can easily handle crowds of from 3000 to 5000 people, and if used outdoors, can cover about 25,000 square feet.

The Armour Tech News has been enabled to purchase the "powerful little twenty watt" by means of funds from an advertising surplus. The total cost will amount to \$150.00. It was in this way that the moving picture and sound projector became an added factor of entertainment and education here last year. The old auditorium amplifier will be renovated and adjusted for use in Room 202M, a new lecture room of large seating capacity.

Battling Britisher Reveals a Life Story Celebrates Thirty Years Service in April

By Butch McGurcklewater, Esq.

Stanley and Livingstone—how those names do cast our imaginations into the far dim past. Picture the wilds of the Congo, the wilds of 33rd street, the hockey play-off (Stanley cup, you dope), the famous Stanley Steamer. Picture the half-back plowing through the team composed of 10 colored players and one Caucasian. Picture anything you like, we've got



Stanley Livingstone

them all backed off the boards because, by gar, we've got Livingstone, the seeker, and Stanley, the Seeker seeker, all rolled into one. The man with whom everyone who goes to Armour becomes acquainted. That jovial gent where our money is spent, "Stanley the Livingstone."

How many of you can come with in ten, yes, I said ten, years of

"Short Shark's" real age? Not many, I'll bet (no, I won't bet, they've closed the bookie). But for the sake of ye who yearn, the old maestro will be sixty years old on January the first. (Wonder if he is the guy who poses for all those New Year's cartoons?)

Stan first saw the light of day in Hull, Yorkshire, England. He migrated to this country in 1910, arriving on April 17th. Three days later he landed in Chicago and began work for the Armours. In those days there were flats all around Federal, 34th, Dearborn and 33rd, as well as in the lot we now use for parking. In all there were over 200 flats, a goodly number in any man's language, and at the time they were put up they represented the latest in everything.

Stan used to be located in what is now Mr. Koster's office, and acted as collector of the rents for the flats. In 1923 he was shifted over to the book store and has been there now going on 17 years. He's seen 'em come, and seen 'em go, but, believe it or not, he thinks the general Armour student is on the up grade. "They're lots nicer, now, than they used to be," says he.

Several hobbies occupy the time of the chief dispenser of supplies, among them being philately (collecting stamps, if you must know). Another is that cute little grand child of his. His greatest hobby, though, is watching the faces of the student's as they come in and ask for "A couple of quiz books, please."