

FOUR

Yoeman 1/c Copeland Arrives; Wears Seven Service Ribbons

The most decorated man in the unit, Y 1/c George L. Copeland, recently reported to IIT's naval unit to round out almost 15 years in the service. Enlisting in the navy in 1930, Copeland served four years as a fireman first class, his duties taking him to China for two years. After obtaining a discharge from the navy, he enlisted in the army and as a staff sergeant in the army air corps saw duty in the Philippines, Hawaii, and Panama.

Giving up the service for civilian life in 1941, Copeland worked under civil service until reenlisting in the navy again in 1942. He has been in ever since.

After some patrol craft and convoy duty, he was sent to destroyer school at Norfolk and subsequently assigned to the destroyer USS Irwin. While in action in the Philippines last year he was wounded, for which he was awarded the purple heart, and sent back to the States.

Soon back out again however, Copeland served aboard the escort carrier Floyd's Bay until transferred to Great Lakes and then to IIT.

He wears the Purple Heart; a presidential unit citation with one star; good conduct ribbon; Asiatic-Pacific ribbon with four stars for battles at Midway, Guadalcanal, the Marianas, and the Bonins; and Philippine Defence with one star. In addition, while in the army he earned the American Defence ribbon with one star, and the American Theater ribbon.

Since he now has 59 points under the navy point system, Copeland has applied for a discharge. Married, and living in Chicago, he would like to return to his former civil service job.

Armour Eye to Pledge Ten Men This Semester

About ten men are now pledging Armour Eye. During their pledge period they must become familiar with all the equipment of the club and also clean up the club rooms on the days assigned to them. During the last week of their pledging, each man will carry a flash bulb with the complete data for the bulb on a card with him at all times.

For the benefit of the pledges and actives, different members of the club will hold classes on various photographic subjects. The first such class will be conducted by Don Albert on Sept. 8. The class begins at 5 p.m., the subject being "Darkroom Technique." Any member or pledge interested may sign up on the bulletin board in the club room.

Name Delegates to Mexican-American Research Conference

Dr. Jesse E. Hobson, director of the IIT Research Foundation and chairman of the steering committee for the forthcoming Mexican-American Conference on Industrial Research, today announced the names of the group which will represent Mexican government, finance and industry at the conference in Chicago from Sept. 30 through Oct. 6.

Methods of financing, managing, and carrying on fundamental and applied research will be exchanged through visits to university laboratories, research foundations, private industry and government sponsored laboratories, as well as through discussion with key men from both countries in the field of industrial research.

This meeting has been called by the Foundation in order to help bring about a better mutual understanding between the two countries regarding methods used in the solution of their respective problems for industry.

Among the outstanding members of the Mexican delegation to this conference will be Evaristo Araiza, president of the board of directors of the Bank of Mexico; and Jose Cruz Y Celis, president of the Mexican subsidiary of Corn Products Refining Company.

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informal dance, which is to be held from 9 p.m. till 12:30. The time has been extended and may be further extended depending on the sale of tickets. "Since the main purpose of the dance is to serve as a social function and not as a money making proposition, the band will be contracted for as long a time as possible," announced A/S Wit Kosicki, class president.

Tickets will be on sale in the Student Union Lobby the first part of this week. Reservations may be made at the same time. Hours will be from 10:30 a.m. until 1 p.m. daily. In order to save in the cost of printing, tickets as such have been eliminated by the direct sale of bids. Bids will also be sold in the navy quarters.

Physics Club Talks About Atom Theory

"Atomic Transmutation and the Fission of Uranium" was the topic of a lecture given at the last Physics Club meeting by Dr. James Stratton Thompson, professor, and head of the physics department.

The lecture, which was held in Room 305 Main during the 11 a.m. free hour last Friday, attracted so many people that many were refused admission.

Dr. Thompson began by explaining the symbols which are used in the science of nuclear physics. Next, he proceeded to explain the use and application of the Einstein equation in this particular field. The characteristics of isotopes and the meaning of the terms natural radioactivity and artificial radioactivity were discussed.

Dr. Thompson pointed out that in 1936 German scientists bombarded U 238 with neutrons, and as a consequence, got the element barium. In spite of this experimental fact, they were very skeptical about it.

During the talk the speaker calculated, by the use of the Einstein equation, the amount of energy released when uranium is bombarded with neutrons and the final products, barium and krypton, are obtained. The change in mass, he pointed out, would amount to an equivalent of 201 million electron volts of energy.

The listening audience did not consist only of the IIT student body, but many faculty members were present. In addition, many members of Armour Research Foundation as well as of the Institute of Gas Technology were in attendance. The science editor of the "Chicago Daily News" and reporters from most of the other Chicago newspapers were present.

Pasquale Porcelli, president of the club, has announced that in response to the tremendous turnouts at the last few lectures sponsored by the IIT Physics Club, applications for new membership will be accepted.

Dinner Dance at Beach Walk Held by Tau Beta

Tau Beta Pi's social event of this semester was held last Saturday evening. A chicken dinner was served in the Marine Dining Room of the Edgewater Beach Hotel. After the meal, a floor show and dancing to Wayne King's orchestra were held on the beach-walk.

About twenty couples, including six active and fifteen faculty members of Tau Beta Pi attended.

A. G. Giles to Head New Program Of In-plant Industrial Training

Dr. Henry T. Heald, president of IIT, recently announced the establishment of a "Training Within Industry" program designed to service industries in meeting their post-war needs for capable engineers and supervisors. Professor A. G. Giles, of the

Institute's department of technical drawing, has been appointed co-ordinator of the extension courses. In this post he will be in charge of the development of courses of the industrial type which are of a college level, but, for the most part, do not carry college credit.

"The underlying purpose of this activity is to assist industries in meeting their post-war manpower needs by training men, capable of handling work on a college level, to make the fullest use of their skills up to the maximum of their individual ability," said Professor Giles.

All courses will be conducted by members of the Illinois Tech faculty, many of whom are equipped to handle such courses with a greater degree of effectiveness due to personal industrial experience.

Courses are expected to begin about September 1. In-plant courses first gained popularity under the government sponsored Engineering, Science and Management War Training program which was completed several months ago. The Institute was awarded the Army Ordinance Distinguished Service Award last fall in recognition of its success in training approximately 55,000 Chicago Area War workers, more than any other private school in the country during the four and one-half years of ESMWT operation.

Four of IIT's Sailors Apply for Discharge

Four men of IIT's naval unit have applied for discharge under the Navy's recently announced point system, announced Lt. R. F. Sessions today.

Lt. A. W. Blake, Ch Sp (A) Richard Scherer, Y 1/c G. L. Copeland, and A/S Joe Hardman, all have a sufficient number of points for a discharge and are awaiting further word.

Permanently detached from the unit, Y 2/c R. W. Ross and Ch Sp (A) W. Stewart, have gone to Great Lakes Naval Training Station for medical surveys.

SCIENTISTS

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any device using atomic energy must be adequately shielded to protect the operator.

Other elements besides uranium 235 will be used in time as soon as trigger mechanisms are devised, he added. The U 235 was chosen because it is relatively plentiful and relatively easy to decompose.

Stressing the economical rather than the scientific difficulties to be overcome, both Heald and Grinter pointed out that atomic energy is much too expensive at the present time to make any immediate change in established power sources.

"I can hardly see the destruction of the petroleum industry, the obsolescence of electrical power plants, or the abandonment of coal mines merely because it has been shown that atomic energy can be used in the production of a devastating explosive," said Heald.

Though atomic power could conceivably eliminate the need for great electric distribution systems, could make economically feasible commercial plane speeds of 1000 miles per hour, and could make universal air conditioning a possibility, the big economic IF is whether or not atomic power will always remain more expensive to release than power from coal, oil, or gas, Grinter pointed out.

It may be that developments in the electric eye, the electric ear, and the electromagnetic arm actuated by electronic radio tubes should be watched rather than atomic power, he said.

Yet Enrollment Expected To Double Next Semester

The enrollment of veteran students next term is expected to double that of this term, said John White, director of admissions. He also commented that no great increase in regular civilian enrollment due to the termination of the war is anticipated until the March term.

Fraternities & Sororities

Delts Institute Grade System for Pledges

Delta Tau Delta has instituted a point system whereby the model pledge will be selected. This means primarily that a pledge is given points for his excellence in lessons, duties, and grades and thereby the one with the highest score can be chosen.

The affair at the beachwalk of the Edgewater Beach Hotel was very successful and many alumni attended.

The fraternity is planning a beach party at the Indiana dunes on September 8.

Pi Kappa Phi Holds Party on Saturday

A house party in the home of A/S Don Heibling was held Saturday evening by the Pi Kappa Phi fraternity. The next affair, according to A/S DeWitt Pickens, social chairman, will be held sometime next month. Tentative plans call for either a splash party or hay ride.

The active chapter welcomed Bob Prasse and Henry Hawrylewicz last week when they visited the fraternity. Bob had just finished "boot" training at Great Lakes while "Hank" had just returned from a lengthy vacation trip. He will return to school next term.

The active chapter will meet next Wednesday in 405M at 5:15 p.m. and in the pledge class will gather at the same time in 403M. At a meeting last Wednesday, A/S Jim Brophy was appointed assistant pledge master.

A/S Gelb Is Pledge Captain of Sammies

At a recent pledge meeting of Sigma Alpha Mu, A/S Irving Gelb was elected pledge captain; and A/S Norman Lipsig was elected pledge treasurer.

A beach party was held recently at Montrose Beach said Mayer Gil-den, prior of the fraternity.

The Sigma Epsilon chapter now has 14 actives and 12 pledges.

NAVAL NOTATIONS

Quarters #2

There was much excitement in the quarters Tuesday evening at the announcement of the end of the war. Although the peace rumors had been circulating for several days, everyone remained calm and went about business as usual until the reports were officially confirmed. Then the fire-crackers that had been saved for the occasion began roaring down the halls and the celebration was under way.

The main topic of discussion has been the girl-kissing contest which took place on State Street in the Loop Tuesday evening. Richard "Lover" White easily won the contest with a score of 44.

Quarters #3

The Link Date Bureau has made a lot of fellows happy, but not so Al Bourdon. Al met a luscious red-head at the Dance Club several weeks ago and followed up with a quiet date. His plans for a cozy time at the Pi Kap dance were shattered, however, when a fellow pledge dropped up to the Link Office and got fixed up with the red-head's sister for the same affair.

Education can't be so bad—or at least not as bad as working—as far

as the average Quarters #3 man is concerned. A casual survey of post-war plans reveals that most plan at least one year of college after return to civilian life. The other faction seems to be made up of the boys with 9½ points for a feminine dependent.

Quarters #4

With the advent of V-J a big discussion as to the length of service the men in Quarters will spend was held in the lounge. The length of a "minority cruise" came up for discussion and Claude Geffen coyly remarked, "A minority cruise is a girl, under eighteen, walking through Grant Park."

Quarters #5

Dan Bodor and Ken Edge evidently don't think the Chicago girls are good enough, or at least the girls who stay in Chicago. The boys hiked up to Lake Delavan over the week-end where there seems to be an acute shortage of men. Quote Paul Bruenigg, "but that didn't help the situation any."

It's pretty sure that Gene Flory didn't think the war would come to an end at this time. He's been in sick bay since the 18th, the day before surrender. The gang hopes to

see him back soon.

Quarters #6

Thirteen days of peacetime navy have convinced the boys they still want to go home. Joe Hardman counted his points and found he had a total of 49, more than enough for discharge and the highest point score in the unit. He settled down to wait for the meshing of the gears that would let him out, and sprained his ankle. The accident put him in sick bay for the first time in his six years in the navy, and probably delayed his discharge several days.

Quarters #7

Paul Finger and Dick Lander are the best known victory celebrants in this quarters. On Wednesday night our now-famous "salts" were among the crowd at State and Randolph Streets witnessing the kissing spree among servicemen, teenagers, and of course, girls. One of the over-jubilant femmes grabbed Lander by the arm, and when he refused to take the hint, she twisted his arm until he gave in. There was no stopping Dick after that. He ran through the crowd, seizing girls with both arms and passing them onto Paul Finger.

SUNKIST PIES
Are Served Exclusively In The
IIT Cafeteria