

Reed On Leave For War Work

Electrical Engineer Goes to Bell Telephone

Dr. Myril B. Reed, professor of electrical engineering, will leave IIT soon on a year's leave of absence. Dr. L. T. Rader, chairman of the department of electrical engineering, announced that Dr. Reed has been engaged as a member of the technical staff of the Bell Telephone Company in New York City.

Dr. Reed received his doctor's degree from the University of Texas in 1935. In 1938 he came to Illinois Tech after spending the summer of 1937 at the Electronics Institute of the University of Michigan. He published a textbook entitled "Fundamentals of Electrical Engineering".

Last September, Mrs. Georgia Reed and her husband went "back to school" to enroll in a course in synchronous machinery. Mrs. Reed, who also teaches at Illinois Tech, enrolled in the course because it helped her understand some of the advanced work Dr. Reed is doing. She helps him with the books he writes, working out and checking the mathematical calculations and reading proof.

Dr. Reed is chairman of the Post-war Planning Committee and of the Engineering Analysis Committee at IIT. He has obtained a release from the United States Employment Service of the War Manpower Commission. At Bell Telephone, his work will consist of developing filters and networks for war projects. Due to the shift of the war from the Atlantic to the Pacific, Bell Telephone expects a tremendous increase in the number of phone calls to the west coast.

Dr. Reed's position will be filled by Prof. M. A. Thomas of the New Mexico State College. Dr. Thomas is chairman of the department of electrical engineering at New Mexico College.

Dr. and Mrs. Reed will motor to New York by way of Pennsylvania.

ARF and Administrative Council to Hold Meeting

The Armour Research Committee and the Administrative Council will have an all-day meeting on Monday, May 28. This was first announced by Dr. J. E. Hobson, director of the Armour Research Foundation, last Tuesday. The guests of the day will be Maurice Holland and Chauncey Williams, who is vice president of F. W. Dodge Corporation.

A tour of the laboratories and shops will be held from 9:00 a.m. to 11:00 a.m. Also, each chairman of the various departments will give a brief talk on his department.

A luncheon will be arranged at the University Club and also an afternoon meeting.

Illinois Tech Praetorians Become Blood Brothers

The Illinois Tech chapter of Praetorians became a fraternity of blood brothers in a mass ceremony at the Red Cross Blood Bank.

The fraternity went as a group to the blood bank last Friday and made all members of the fraternity blood donors. Included

in this group were Sidney Mayster, Norbert Berman, Maurice Spielman, Herman Dubin and Edward Rubin. Also present was Leonard Brown, a friend of the chapter. James Aberman, president, and William Goodman, sponsor, were not included in this group, having donated recently.

As these donations were all of the "O" type, the most common, which is urgently needed, they were put in sealed vacuum containers and flown to the war fronts, rather than being changed into plasma.

The sealed containers differ from the usual type in that they contain a solution of cyanate, dextrose and acid. This preserves the blood for use at the front.

Techhawk Ideals



POPULARITY WINNERS—Hank Pype and Gloria Farrell the recent winners of the contest sponsored by Technology News.

Calculator Will Be Ready Soon

The first problem will be set up on IIT's network calculator on May 21, Mr. L. LeVesconte, director in charge of the machine, has announced. Final check, calibration and dedication of the board will be completed next week.

The Wisconsin Public Service Corporation will be the first organization to use the calculator. They plan to inaugurate two new power lines in conjunction with their present equipment. Complete solution of the problems involved are expected to take about a week.

The board has been contracted for the next 12 years by 17 midwestern concerns. Each company that has paid for a unit of the board is entitled to its use one week a year for 12 years.

The motor-generator power supply of the instrument has still to be installed. All other units have been wired and tested. A chief operator from Westinghouse will be here next week to assist in final checking.

Senior and graduate students of electrical engineering will assist Mr. LeVesconte in the study of power system problems. The calculator will also be used in solving problems other than power system engineering that are closely enough related mathematically.

Co-op Store Sales Start Last Week

The Co-op bookstore sale is entering upon its last week, and at its end, Wednesday, the Co-op's door will close.

Sales have passed all expectations. The greatest sales were of advance text books which went the first day. A number of standard texts were sold to students for their future courses.

Upon the selling of all books, the board of directors will meet and decide on arrangements for returning capital stock and paying for accumulated dividends.

Rosenwald Museum to House Commencement

One hundred and eleven students will graduate in June. The graduating class is composed of 61 V-12 men and 50 civilian. The 50 civilians come from both the south and west campuses. The civilian group will receive degrees in engineering and arts and sciences. All navy men are engineering majors. Three civilians are to receive MS degrees.

Quarters #1

The Navy Office has apparently decided to charm the quarters men into more officer like behavior. Larry Johnson was appointed MAA of Quarters One last week. This duty, coupled with the picture *Technology News* ran last week, makes Larry wonder. Troubles have a habit of coming in groups of three.

John Erickson is another worried individual. During the past week he has been preparing a paper on turbines—one that he hoped to present at the ASME conference at Northwestern University. Not only do his quarter-mates refuse to listen as he tries his talk out, but they carry on the Olympic games when he tries to concentrate.

Quarters #2

A new coke machine was received from Quarters #5 last week. Two machines will assist materially in keeping the tonsils of the 142 men stationed here well oiled.

Jim Aufferorde, Al Malis, Stan Cervenka and Sheldon Levy were 4 of the 13 men in the phone line last Thursday evening. All were trying to squeeze in during the 30 minute free hour.

Chandler Sammons is back from the hospital after 5 weeks of hospital duty.

After dragging a twelve-foot ladder from the hold, Lee Watson finally managed to rescue a nickel perched on a ledge near the overhead. Well, a man has to get nickels some way.

Quarters #3

Bob DeBoo was having quite a time at the Rosary College dance. Asked why he was rushing around from girl to girl he replied that he had to find one with a car. With a leer on his face, the questioner asked, "Why?" "Because," said Bob, "I'll have to walk a mile for

Extensive Use of Glass Planned for New Campus

RECORDER

(Continued from Page 5)

marines used the recorder this year to send Valentine greetings to wives and friends. NBC made a record of such familiar sounds as the subway, State and Madison traffic, the Aragon, hockey games, etc. and sent the recording to army troopers as a morale builder. The Chicago Symphony Orchestra has used the instrument. Government bureaus, such as the UNRRA, the Department of Agriculture and the Library of Congress are using the recorder for various purposes. The wire recorder was used for obtaining permanent records of the 1944 political conventions. At present all magnetic wire sound recorders are manufactured exclusively for the armed forces. The Army and Navy are using the machine for innumerable purposes.

Much interest has been shown in the recorder, and it has become necessary to organize the Wire Recorder Development Corporation, a branch of the Armour Research Foundation. This organization handles the licensing negotiations, provides special facilities for recording companies, assures the wide distribution of recorded wire magazines and facilities the various other matters concerned with the recorder.

Applications for licenses to manufacture the wire recorder have been received from manufacturers in the United States and many foreign countries.

Various new models of the wire recorder have been projected for post-war production. Already a hand-bag size recorder has been made. Other models have been designed for the office and the home.

Glass as a structural material will find extensive use in the post war plans for expansion of Illinois Institute of Technology.

Blueprints have been drawn and specifications for several new buildings at IIT have been released. An outstanding characteristic of nearly every building is a glass enclosed steel skeleton structure.

Probably most important to future students are such buildings as the auditorium, field house, gymnasium, and laboratories. The new auditorium as planned will have a seven foot brick wall as a foundation and will be topped by a steel skeleton with glass rather than the usual brick serving as walls. This building will be partly one story and partly two story, containing a court.

The field house, long desired by baseball, and track coaches, will be a marked improvement over the present structure. The specifications call for one large hall, enclosed in glass with a twelve foot brick wall. Supplementing the field house will be a gymnasium and natatorium. The west side of this building will be completely glass; the east side having a seven foot brick wall, topped by glass. This one story building will contain a swimming pool and basketball court, and will be 32 feet high.

Typical of the proposed laboratories and classrooms will be the electrical engineering building. A four story structure, the main floor will be partly closed and partly open. The top three stories are to be enclosed in glass, except for the ends, which will be brick. It will contain both classrooms and laboratories. The new Research Foundation building and the Gas Institute will be constructed on this same pattern.

NAVAL NOTATIONS

Liberty Log

When: Saturday, May 12, 2000

Where: Chicago Arena, 333 East Erie Street

The Electric Club, 20 N. Wacker
What: World's Largest Servicemen's Dance sponsored by BBR Youth Movement

First Annual Junior League Dance, arranged by co-eds of De Paul University. Del Rene's Orchestra.

transportation if I can't get a lift home."

Quarters #4

Latest craze in the sports world at "Ole Number Four" is that most athletic of all activities, marbles. Many long-unused muscles are now being properly developed.

In spite of this latest interest, Glen Park still spends his free time at the Covered Wagon. There's a cute little Chinese 26 girl at the Wagon, and Glen always wins.

Quarters #5

Could the new wrinkle in Fred Travis' brow have been caused by his little bundle of worry from Illinois U. named Lucy? With the vacations approaching rapidly, the little gal has started to write much more frequently. But our boy Fred has a new love light. Let's see you juggle these two hot potatoes.

What little furniture is left in our proud Quarters won't be there much longer if Harry "the Angel" Twickler and "Mangler" Sheedy continue their frequent tangles. But they do provide exceptional entertainment (during recreation hours of course).

Quarters #6

Ensign Stoklosa, former MAA of Quarters #6, returned for a visit after graduating from Midshipman's

School at Columbia University. He was on his way to the West Coast for assignment to a can.

Gentleman Jim Hartnett, wearing his bright new pink skivvies, put the lid on his social life last Saturday when he went to Union Station to meet Shirley, returning to Chicago from Denver after a year's absence. Jim's worries are only beginning since he can't prevent her meeting his friends forever.

Quarters #7

Alan Grant and George Marzeck are both in the hospital and are coming right along according to the latest word.

One might imagine after hearing the "cheery" exchange of remarks by room mates John Osborn, Phil Jansen, Dennis O'Geary and Mike Votg, that things are rather quiet and uneventful up on the third deck, but then that oneness of feeling makes for a greater efficiency, and that is what counts when there is much to be done.

Bill Cannons the proud possessor of a curly lock donated to him by one of the campus secretaries. She not only donates her hair, but he has her actively engaged in collecting tennis rackets for him.

For the best girl friend—

DIAMOND ENGAGEMENT RINGS AND JEWELRY

Spies Brothers, Inc.

27 E. Monroe St.

Chicago, Ill.

Manufacturers of official

I.I.T. Jewelry

Reliable Since 1878