

Spencer Aids U. S. Office of Education With Film Concerning Blueprint Reading

Professor Henry C. Spencer, chairman of the technical drawing dept. at IIT, is the advisor and technical consultant of a new film called "Fundamentals of Blueprint Reading".

The film has been completed under the direction of Edward Christensen of the U. S. Office of Education and is ready for use in the various war training programs. Christensen is a technical specialist in visual aids for war training.

Last Friday the complete film was shown in the technical drawing department office. At that time Spencer and Professor Ivan L. Hill also previewed two other new films on blueprint reading. The two other films are to be released in the near future.

Christensen also contracted Spencer and Hill as consultants for two additional films on blueprint reading. The consultants will check all the drawings in the film and advise the way the material should be presented.

Spencer is also the author of "The Blueprint Language of the Machine Industries" a book concerning blueprint problems. He is co-author of "Technical Drawing," "Technical Drawing Problems," "Technical Drawing for High Schools," and "Engineering Preview." The latter book was edited by Linton E. Grinter, dean of the graduate school.

AS I SEE IT

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is find out how other colleges operate such groups. Have the ITSA secretary write to other colleges and inquire how they operate. Then set up a committee to plan on effecting various improvements.

The reorganization of the constitution is a step forward in the right direction, but it is only the first

Many more things will have to be done before all the students take an active interest in the ITSA.

Only after the ITSA has improved its organization to such an extent that students want to partake in its activities will there be truly efficient student government at IIT.

Schuytema to Give Lecture to V-12's

"The Sociological Implications of the War" is the subject of the lecture to be given by Dr. G. L. Schuytema to the V-12 unit stationed at George Williams College on August 31.

Lt. W. Hamilton, commanding officer of the V-12 unit stationed at Illinois Tech, has desired that the Navy students be given an opportunity to hear these lectures. By these lectures the navy students can think through some of the implications of the war and reconstruction.

The next lecture will be on September 14 by Dr. H. P. Vincent on "The Effects of the War on Education."

O. Erickson to Hold Pi Nu Epsilon Tests

A committee composed of the officers of the various musical organizations has been selected by O. Gordon Erickson to pass on candidates for Pi Nu Epsilon, music honorary.

Assisted by Erickson and Dean James C. Peebles, who will supply the scholastic record of the candidates, the committee will choose between fifteen and twenty men to take the Pi Nu Epsilon examination. Of these it is expected that only a portion will pass the examination, a comprehensive test of musical knowledge.

Qualifications include interest and ability in music displayed in the musical organizations, scholastic requirements, and general campus activity.

No definite date has been set for the meeting, but Erickson said he would call them together sometime within the next two weeks.

Phi Lambda Upsilon Pledges



HONOR CHEMISTS—Three of the pledges to Phi Lambda Upsilon, chemical honorary, are shown getting the signatures of two faculty actives. They are (left to right) Kaz Horita, Lewis Rothstein (active), Dr. Bruce Longtin (active), George Wilmsen, and Susumu Nakazato.

Tau Omega Pledges Four New Members

Three students and one instructor were pledged to Tau Omega, the honorary aeronautical engineering fraternity.

Elmer I. Fresenheiser, instructor in civil engineering, and A/S Edward Goetsch, senior, Leonard Eller, and James Davidson, juniors, are the new pledges.

The civilian pledges will be distinguished by the goggles and miniature propellers they will carry. Milton Schwartz, president of Tau Omega, said that the pledge period will include "flights" to the various classes as well as a "strapping mission" in the water cooler in the cafeteria.

Storekeeper Tracy Leaves IIT for Fleet Replacement

Storekeeper 1/C Chester Tracy left Illinois Tech Friday for fleet replacement. This change is part of a program whereby men who have been serving with the fleet for a number of years are replaced by those who have been ashore.

PROFESSORS

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Carpenter's interest in astronomy is evidenced by his membership in the Chicago Astronomical Society and several similar organizations.

The AIT Alumni Association voted him a "certificate of merit" for outstanding alumnus status.

Ernest H. Freeman

Dr. Ernest H. Freeman graduated from Kansas State College in 1895 with a B.S. degree, and two years later graduated from Kansas State Teachers College. In 1902, he received another B.S. degree from the Armour Institute of Technology and in 1906 took his degree in electrical engineering here. In 1933 he became a doctor of engineering.

Dr. Freeman has been teaching classes at the Armour Institute and later IIT for 42 years. In 1902, he was an instructor in electrical engineering at Armour and two years later became an assistant professor. In 1906 he was made an associate professor and became a full professor and head of the department in 1909.

Dr. Freeman has been active in the development and invention of electrical instruments for integrating, recording and indicating the flow of fluids.

Dr. Freeman is a member of the following honorary fraternities: Eta Kappa Nu, Tau Beta Pi, Phi Kappa Phi and Phi Pi Phi.

Olive P. Hazel

Mrs. Olive Pierce Hazel, who came to Lewis Institute in 1920, is retiring. She studied at Dalcroze School in Germany and also in England.

Mrs. Hazel used to teach at Columbia School of Expression and she was also director of the Columbia School of Education for about ten years. She also had charge of pageants at Dr. Tibbals' Church in Evanston for a number of years.

She is owner and co-director of Camp Oak openings, a select camp for girls. The camp has been under her directorship for twenty-one years.

Robert V. Perry

Robert V. Perry, professor of machine design, is leaving Illinois Tech. Perry received his B.S. degree in mechanical engineering from Armour Institute of Technology in 1897.

After graduating Perry worked as mechanical engineer for the Illinois Car and Equipment Co. in Alabama, and in 1901 he returned to AIT to teach. In 1920 he became dean of evening classes and taught machine design.

He is a member of ASME and SPEE and is an honorary member of Theta Xi, Tau Beta Pi, and Phi Tau Sigma.

Chandeliers Purchased By SUBC for SU Lounge

The new chandeliers in the lounge have been purchased by the SUBC and Bernard "Sonny" Weissman.

The immediate advantages of the chandeliers have already been seen by the Dance club.

Goodman Added To IIT Faculty

William Goodman has been appointed research professor of refrigeration and Air Conditioning at IIT.

Professor Goodman will move from La Crosse, Wisconsin, where he has been consulting engineer for the Trane Company, to Chicago by November first when the fall semester starts.

At Illinois Institute of Technology, Professor Goodman will conduct both an undergraduate and a graduate course in air conditioning. He will also conduct research studies and experimental investigations in this field. The present air conditioning laboratory which includes three experimental units will be expanded for the use of Professor Goodman's students.

Professor Goodman is recognized as a leader in the field of air conditioning. His publications are well known to engineers in this field since they have appeared regularly as articles in the technical journals. In 1943, his book on "Air Conditioning Analysis," including psychrometric charts and tables was published. This is one of the most comprehensive books on the theory and practice of air conditioning that has appeared. It is widely used as a college text and as a reference book for practicing engineers.

In his engineering work, Professor Goodman has had the opportunity to design some of the most important installations for air conditioning since the Trane Company is one of the best known companies in this field. His work for the past three years has been almost entirely in war service, much of it being secret or confidential in nature.

PLAYERS

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each one reacts toward facing God or Satan is shown in the rest of the play.

When the play was first presented in New York after a successful London run a majority of the critics had favorable reactions toward the play.

Harold Kellock of the Cleveland Journal wrote: "Mr. Vane has managed to construct a situation of unusual emotional intensity from which only the most callous auditor could escape unmoved."

Others said that it was a poignant tragedy; withal an amusing play, but one for thoughtful people.

QUEEN

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bust of 34 inches, likes gardenias, and does office work for a living.

Queen Charmaine graduated from Taft High School last February and plans to attend business college. All say they are either somewhat partial to engineers or prefer to remain silent on the subject.

Dry Cell Is Studied by J. Mrgudich and Lufcy

Prof. James S. Thompson today revealed that part of the electron microscopic research is being conducted by J. N. Mrgudich of Burgess Battery Co. assisted by Carroll Lufcy.

Mrgudich is reported as saying, "Dry cell making is an art—not a science." The purpose of this research is to bring dry cell production closer to a science, by investigating the structure of carbon black and the correlation of various manganese dioxide ores to cell efficiency.

The importance of this research can be judged when it is known that practically all of Burgess production is going to the Army Signal Corps, where the batteries are used in walkie-talkies and other portable equipment.

Bookstore to Be Closed Thursday for Inventory

Mr. Bruhn, head of the bookstore, announced that the bookstore will be closed all day Thursday so inventory may be taken.

NAVAL NOTATIONS

Quarters #2

Bill Harris is having quite a time not only this week but also last week-end. He entertained a girl friend on the week-end of the big occasion being the Integral Ball. His father is coming to Chicago this week to attend the All Stars vs. Chicago Bears football game.

Stopping over at the quarters on their way home for leave were Palmer Harbison and Wayne Hoffman. They spent two semesters here at IIT at the end of which they were transferred to the naval air corps. After a twenty-six day leave they are to report to pre-flight school.

Ensign Ray Tubergen, who has just completed his Midshipman Training at Annapolis, was married last Saturday to Dorothy Jacob, secretary to the registrar here at school. He was attended by an honor guard composed of former shipmates from this unit. Upon returning from leave he is to report for submarine training.

E. A. Martin spent the last week-end at his home in Pleasant Ridge, Michigan. Also spending the week-end at home with friends and relatives were Tom Lechner, Bob Harmon, Bob Severson, and Dick Thomas.

Quarters #3

Members of Quarters #3 are working for the speedy recovery of a short who is ill in the hospital. Short who used to be an assistant MA is now a midshipman stationed at Abbot Hall.

The saddest case is Gus Leist whom the new liberty order is going to affect the most. Gus, who puts Clarence McElhaney to shame, likes his evenings with Margaret.

Mark. He claims to be a musician and that the

reason he takes his date to enjoy the concerts. However, the quarters is wondering what he is going to do after the concerts are over for the season.

The quarters was visited by Peter Outcault who is still at the Lakes recovering his health.

The quarters was also visited by air cadets Tom Muchmore and Leonard Spielman. Also, Bill Johnson's future brother-in-law, Hal Squier visited here.

Quarters #4

Cpl. William Hogan was the guest of Paul O'Chuck Wednesday and Thursday. Hogan, whose brother was to the house some weeks ago, went to high school with O'Chuck in Kenosha, Wisconsin. Hogan is an aerial waist gunner from a camp in Arizona.

The house is being rejuvenated on the inside with a fresh coat of paint. The decorators started on the third deck Wednesday. The overhead will be white and the bulkheads cream.

George Sarvadi has been in the habit of spending all of each week-end at the home of his girl in Aurora, Illinois. Sarvadi's friends are anxiously awaiting developments since the new Sunday morning liberty order.

William Fiech, Allan Kukral, and Edward Mattock all returned from liberty last week with lipstick on their jumpers. Fiech blamed his smear on his mother; Kukral made no statement; and Mattock, with a lip print on each shoulder, said he didn't mind just one red spot, but with two he'd have to change his jumper!

Quarters #5

Edward Ahlers is doing his bit for the Democratic campaign. Wednesday several of the houses's

ardent Republicans to the Legion Tavern where, to quote Ahlers, he let the "amber fluid pass their tonsils". The crux of the affair is that this is Ahlers' second venture from the wagon!

Carl Sielaff has a new line. To see a Cicero girl again he has arranged a bowling match with her! Quarters 5 wonders if he can win the match and still maintain face as a gentleman?

Robert Steward has introduced Samuel Lloyd III and Alexander Patterson to the Tri Delt house at Western Springs a few miles from Steward's home.

George Meholic spent the week-end in Warren, Ohio.

Quarters #6

Quarters #6 is recovering from a heavy Saturday night at the Integral Ball and doing well. Prominent among the promenaders was Warren Furst, John Conklin, Robert Freund (from #2), and Harry "the boot" Weinstein. The furtive character lurking in the shadows who clinked like a bottle when he walked was identified as Ray Bojanowski.

The brand new cement deck in the hold bears several honorable, and distinctive markings. If anyone is curious as to what they are any member of the Alpha Sigs will gladly offer an explanation.

Quarters #7

Air Cadet Paul Hood visited his former room mate Carl Child of Quarters 7. Tom Muchmore and Leonard Spielman, also air cadets, visited Ralph and Glen Neiswander.

The new 2 o'clock Sunday morning liberty dead line will not affect several Quarters 7 men who were so unfortunate to forget about the "no radio playing before 4 p.m. rule." Eight men were restricted.