

Welcome Navy—

Illinois Tech Is Leader in Many Fields

Formed in '40 By Merger Of 2 Colleges

Armour and Lewis Are Now Divisions Of New School

Like Gargantua, Illinois Institute of Technology was huge at birth.

Created in June, 1940, by the consolidation of Armour and Lewis institutes—two Chicago colleges each with a record of nearly half a century of service, Illinois Tech became at once one of the nation's largest engineering colleges. It had enrolled more engineering students than any other college in the nation.

First action of the new Institute was to concentrate the work in engineering on its south campus, 3300 Federal, what had been Armour, and to perpetuate the Armour name by calling it Armour College of Engineering, and to organize the study of arts and sciences on the west campus, 1951 W. Madison, what had been Lewis, likewise perpetuating this name by calling it Lewis Institute of Arts and Sciences.

Also plans were made to consolidate all the activities on one campus, as soon as it could be built. Enlargement of the south campus property for the site of this new campus was begun, and the Institute now owns all the property between 32nd and 34th streets and between State Street and the Rock Island-New York Central right of way. More than half the funds necessary to build the \$3,100,000 campus development were raised.

And then came Pearl Harbor and a technological war—and Illinois Tech was forced to postpone these new campus plans for the duration. However, work on the first unit of the new campus had already begun, and last January the quarter-of-a-million dollar Metals and Minerals Research Building at the corner of 34th and Federal streets was dedicated and stands as visible evidence of the beautiful, modern, functional campus that is to come.

After Pearl Harbor, Illinois Tech, a peacetime giant became a mighty Hercules of war, performing dozens of important war tasks. As vital a task was the training of engineers, Illinois Tech felt that it could do this job and more.

In addition to its regular educational program, Illinois Tech now performs many other tasks.

Illinois Tech now operates the largest wartraining program in a single city in the nation—and the largest at a privately operated college. More than 35,000 persons have been enrolled in ESMWT courses, 28,000 of them since Pearl Harbor.

The firsts, largests, and greatestests that Illinois Tech has achieved in war training are legion. One of the most notable is the fact that the Institute was the first college in the nation to train women for specific, technical war jobs, and more than 1000 have been trained in the past year.

Illinois Tech also conducts the largest and most advanced Signal Corps training program in the Sixth Service Command. It has trained more than 5000 men for the Signal Corps in the past year.

For the Safety and Security Branch, Office of the Chief of Ordnance, U. S. War Department, Illinois Tech organized and administers the "explosives safety school," formally known as the school for safety auditors. More than 500 persons have been trained at this school and have been sent to handle affairs of safety

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Armour Research Foundation Is "Million Dollar Baby" at IIT

In September of 1936 there came into being in Chicago a "baby" that was unique in the Midwest.

That "baby," the Armour Research Foundation at Illinois Institute of Technology, now in its seventh year of growth, is no longer in swaddling clothes. An industrial research institute, the Foundation through its growth has proved that there was a need for such an organization in the Chicago area.

Starting with three staff members, a budget of \$35,000, and a working space of three rooms, the Foundation has grown until it now has a staff of more than 200 and a budget of more than a million dollars. The Metals and Minerals Research Building, which is being occupied today, will be the fourth building that it now occupies.

Founded "to render a research and experimental engineering service to industry," the Foundation has more than lived up to its purpose—a fact that can be proved by cold statistics taken from the records of its "infant" years.

In the past—and first—six years of the Foundation, 1300 companies, associations of manufacturers, and individuals have utilized the facilities of the Foundation in 4000 long and short term projects. The Armour

Research Foundation is one of the largest institutions of its kind in the nation, and in many respects it is the largest organization of its kind in the United States.

Research organizations unique

Research at the Foundation differs from that normally done at educational institutions in that it is private research and not fundamental research. Results of the research are the exclusive property of the sponsors of projects.

An incorporated non-profit institution, the Foundation exists for the sole purpose of serving business and industry, which is in keeping with the whole idea behind "Technology Center," which Illinois Institute of Technology is building for Chicago and the Midwest.

Much of the credit for the phenomenal success and growth of the Armour Research Foundation is due to the "Armour Plan for Research," a unique method employed exclusively at the Chicago Foundation.

The Foundation's director, Harold Vagtberg, is its presiding genius. Aiding Mr. Vagtberg in the multitudinous tasks of directing such an intricate and large organization is its assistant director, Dr. Francis W. Godwin. Their desks are the cross roads from which emanate or-

ders that create the sparks of which industry and scientific research are anode and cathode.

Sections headed by experts

For purposes of organization, the Foundation's activities are classified into four broad sections and each section is headed by a noted American research expert. The sections and their chairmen include: Chemical engineering, Dr. M. H. Heeren; engineering mechanics, Dr. C. O. Dohrenwend; metallurgy, Dr. R. G. Spencer; and physics, Dr. G. E. Ziegler.

All scientific work is co-ordinated by the Foundation's scientific director, Dr. Thomas C. Poulter, whose supervision of the famed Foundation-built giant "Snow Cruiser" of the Byrd Antarctic Expedition has been, perhaps, the most spectacular page in the Foundation's brief history.

The actual daily, weekly, monthly and yearly accomplishments that justify the Foundation as an institution and determine its peculiar character are found in its record of service.

Two classifications of work

Scientific research and experimental engineering are the two broad classifications of work at the Foundation. The former, in its industrial ramifications, claims the major activity of the organization. The Foundation is particularly equipped to

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285 Seamen To Join ITSA

Two hundred and eighty-five Naval V-12 students joined the Illinois Tech Student Association and promised to pay the student activity fee as soon as their first month's check came through. This occurred in a "get acquainted" meeting held in the Union Auditorium last Friday evening.

The initial example was set for the seamen when Lt. j.g. Martin P. Anderson asked the president of the ITSA, Harry Anderson, to accept his check covering the \$5.00 fee.

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3 Officers, 4 Chief Specialists To Direct Naval V-12 Program

To command the Navy V-12 program at Illinois Tech, five officers, four chief specialists, three yeomen, one storekeeper and four pharmacist mates have been stationed at the Institute.

Lieut. W. A. Hamilton of Tampa, Florida, will be the naval officer in charge of the 691 men training on the south side campus and at George Williams College. In peacetime, Lt. Hamilton was chairman of the English department and director of student activities in a Tampa, Florida high school.

Lieut. Commander James W. Sours, medical corps, U.S.N.R., will be responsible for the health of the apprentice seamen. Since entering the Navy in 1940, Lieut. Comdr. Sours has served in Cuba, Ireland, Scotland, and the South Pacific. He was graduated from Northwestern University School of Medicine, and practiced in Peoria from 1931 to 1940.

The third officer, Lieut. (j.g.) Martin P. Anderson, is executive officer of the program. His peacetime position was director of the adult education program of the Wisconsin College of Agriculture. Lieut. Anderson received his bachelor and master's degrees from Wisconsin University.

Ensign George M. Martin from Lorenzo, Texas will be the officer in charge of the physical fitness program. A graduate and football star of Texas Technological College in 1936, he was formerly with Cabot Carbon Company as field supervisor.

Ensign Thomas H. Hamilton has also been assigned to IIT.

The chief specialists who will direct the physical fitness program include: H. D. Fearey, Visalia, California; Fred H. Godfrey, Rush Springs, Oklahoma; J. F. Shannon, Troy, New York.

Fearey and Godfrey were high school coaches in their respective states before joining the Navy. Shannon, who played halfback on the Bearcat football team in Troy, New York, is also a former skate champion.

Yeomen reporting for duty include Noble T. Hawkins from Kentucky, who will be in charge of office work for the Navy, Robert E. Morgan of St. Louis, Missouri, and Robert E. Morgan from Whitman, Massachusetts.

Others stationed here will be storekeeper, Chester E. Tracy, Jr., from West Newton, Massachusetts; and four pharmacist mates, Lynn Gorman of Pomona, California; Lawrence O. Newman of Elkhart, Indiana; William W. Wright of Chicago and George Fyfe also of Chicago.

Victory Garden In Rear Of Chapin Hall Will Provide the Lunchroom Food—Maybe

For the second year in succession, a Victory Garden is growing in the back of Chapin Hall. Sponsored by the grounds and maintenance department, this project is under the supervision of H. A. Bode, school gardener.

This year the planting of the garden was delayed because of the severe rains earlier in the spring. Vegetables growing in the garden are radishes, carrots, lettuce and corn. The produce realized from the project will be given to the lunchroom.

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