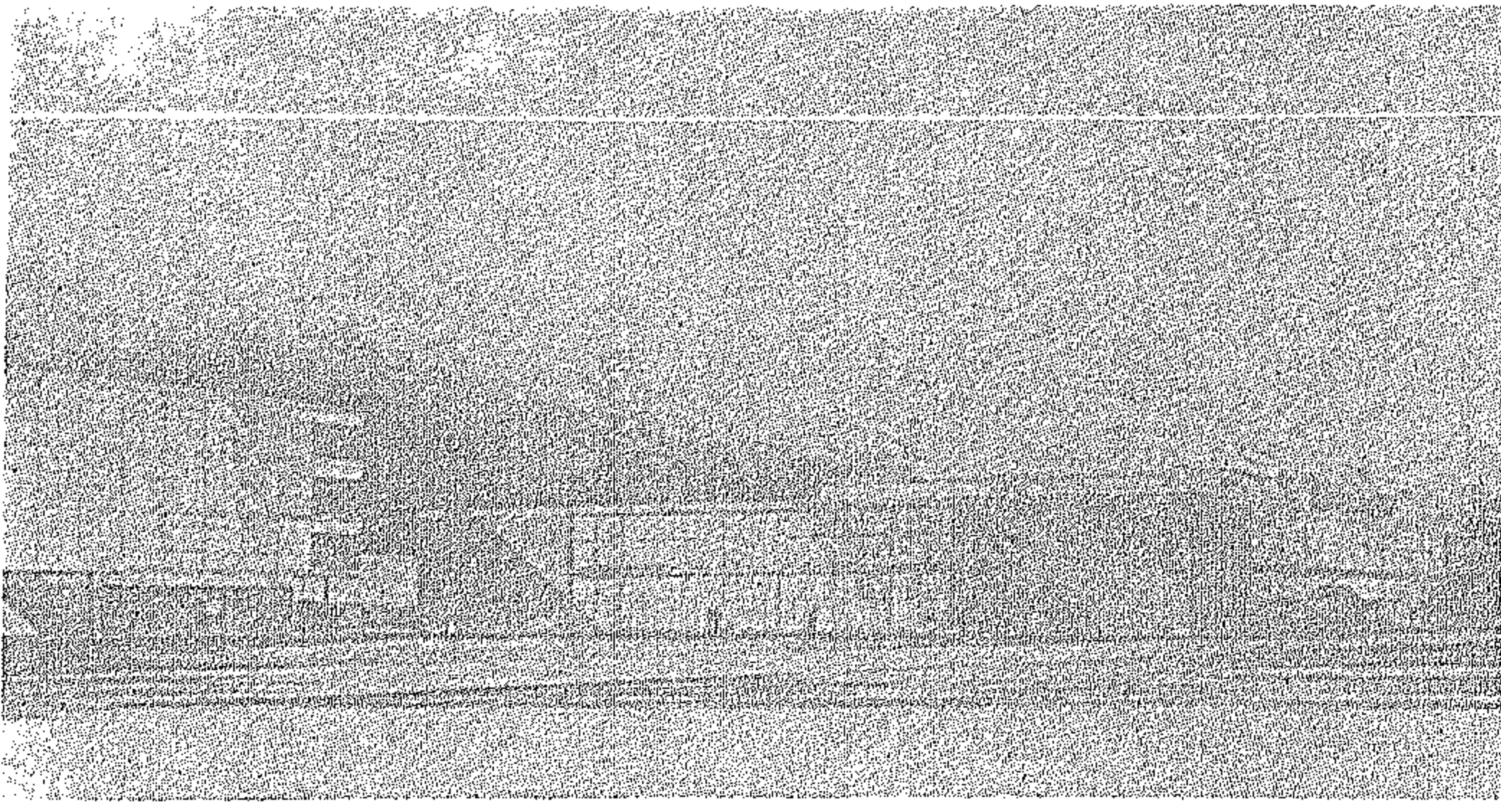


LIBRARY BUILDING



Modern school design, as represented by artist's sketch of proposed library for south campus. (Story on page 1)

Vagtborg And New Staff Swing Into Action At Gas Institute

(Continued from page one)

Fellows remaining for the entire four year program will receive the degree of doctor of philosophy which has been granted to students as a part of the highly developed graduate program of Illinois Tech.

Research pointed toward the betterment of the gas industry will be the aim of the Gas Institute. Peak enrollment, will be from 50 to 60 students. Summer employment in the gas industry is virtually assured.

Dr. Lincoln Thiesmeyer comes to the Institute from a post as associate professor and chairman of the department of physical sciences and mathematics at Lawrence college of Appleton, Wisconsin. He is a native of Brooklyn, New York, and a graduate of Harvard university where he obtained both the master's and doctor's degrees in geology. His undergraduate studies were conducted at Wesleyan university.

The fellows, all graduate chemical engineers, are: G. J. Lubin, University of Detroit; A. K. Mikulski, Penn college of Cleveland; R. M. Newhall, Tufts college of Boston; and H. E. Robison, Washington university of St. Louis.

They reside in the graduate house, on Michigan avenue. Each receives \$1,000 per year less \$325 tuition, for four years.

New buildings to house the Institute of Gas Technology are contemplated. At present, a section of a recently-constructed research building fronting east on State street has been remodeled for the project.

The first academic use of the newly-announced "hydrobot," a

\$2,500 fractional analysis apparatus, equipped with high-efficiency, heli-grid packed bellows-type super-cool columns, simplifying many ordinarily separated techniques of gas analysis and treating them in a connected process, will be made at the Institute of Gas Technology.

Apparatus to be Installed

Complete absorption gas analysis apparatus will also be installed, total equipment cost being brought to approximately \$5,000. Some functions of the hydrobot will be analysis of gaseous and liquid products, natural gas, cracked refinery gas, polymerizing plant gas, water gas, producer gas and gasoline storage tank vapors.

The curriculum will include three years of academic training based on fundamental sciences and fundamental research and the equivalent of a year of academic work in the background of the gas industry. Operation, management and regulation of public utilities will be stressed.

Gas chemistry will be taught by Dr. Kintner, associate professor of chemical engineering.

Heat transfer will be taught by Dr. Jakob, research professor of mechanical engineering; Dr. Komarewsky, research professor of chemistry, will teach catalysis, while chemical thermodynamics will be in the hands of Dr. Longtin, instructor in chemistry.

Dr. Streter of the department of mechanics will teach a course in fluid flow. Dr. J. W. Calkin, will teach advanced mathematics. Dr. Thiesmeyer will teach geology in several phases, and Dr. Sanford B. Meech, will teach English and technical writing.

Prexy A. Minewegen Addresses Civils On ASCE Fall Conclave

(continued from page one)

ior meetings, yet possessing interest, is the student conference. Illinois Tech and Northwestern university are co-hosts to the visiting chapters of thirty-five mid-western engineering colleges who will be represented at the convention. A program perfectly balanced with activities both of a technical and social nature has been completed.

Wednesday, October 15, marks the beginning of student participation. An essay contest highlights the technical activities of the first day. Prizes will more than amply compensate for the efforts of the contestants. Howard Stevens will be IIT's delegate and will present a paper entitled, "A Civil's Place with the Railroads." The civils will be there to give him their heartiest support.

Dinner Dance

The event which will surely be the highlight of the convention will be the Dinner dance in the Grand ballroom of the Palmer house. The young ladies are to be in formals while the gentlemen will be informally attired. Lewis Institute and Northwestern will provide one hundred dates for the visiting students.

Thursday's chief attraction will be a tour of the Chicago subway, a trip which will interest all civil engineering students. A society "get-together" smoker in the Red Lacquer room of the Palmer house will close the conference.

Arrangements are being made to excuse all junior and senior civils from classes on both Wednesday and Thursday, Oct. 15 and 16, to enable the sophomores to attend the Thursday sessions.

In conclusion Art Minewegen urged all civils to attend not only for the personal advantages to be gained, but also to help make the convention a success.

IMPROVEMENT IN ARMOUR'S CAMPUS; NEW STANDARDS

In the interest of students of IIT and as part of the building program, the maintenance department set out last summer to improve the appearance of the Armour campus. The fact that they are definitely on the right track may be viewed by every returning Armour student. New grass has been planted or sod replaced in innumerable places. Another improvement of major importance was the work done on the student parking lot next to Chapin hall. Here new gravel was laid and new grass sown.

Two New Labs in Chapin

There have been two new rooms developed in Chapin hall. One is a fourth floor chemistry laboratory, the duplicate of the lab on the third floor of the same building. The other is a mathematics laboratory for Dr. Krathwohl.

Those of us who pitch horseshoes have also noticed that the horseshoe courts have been refilled and the surrounding areas planted with grass.

In the main building, the most important improvements are the new fluorescent lighting fixtures installed in the drafting room, and the asphalt flooring that has been adopted for use on the fourth floor hall.

These improvements are but a part of the work done this summer for the Armour campus by the maintenance department. It is part of a program that will be highly appreciated by students of IIT.

Important Notices!

INDUSTRIAL ENGINEERS MEET

All students registered or in the industrial engineering curriculum are invited to meet on Friday, October 17, at 10 a.m., in room U2W, Student Union building, to get acquainted with each other and with members of the department. Professor Dutton will speak briefly on the work of the industrial engineer.

POLYGON STAFF

All members of last year's Polygon staff are requested to attend a meeting in the new Polygon offices (4th floor, 1st entrance, Chapin) tomorrow at 4:30 p.m. It is important that all staff members from both campuses be present.

SENIORS!

HAVE 6 PHOTOS READY FOR PLACEMENT OFFICE IMMEDIATELY.

The Pre-professional club will meet in room 305 Wednesday, October 15, at 3 o'clock. This club is being organized to enable pre-professional students to gain a "talking" knowledge of those subjects which they are studying in the lecture rooms and laboratories.

THIS WEEK AT IIT

TUESDAY:

Orchestra, 5-6:30 p.m.
Hockey, U2W, 5 p.m.
Sigma Omicron Lambda Rush tea, 3:30

WEDNESDAY:

Mixed Chorus meets, 3 p.m., Lewis auditorium
Honor I, 5 p.m.
ASCE convention, Palmer House, 9 a.m.

THURSDAY:

Glee club, 5-6:30 p.m.
H.K.N. U2W, 7-10 p.m.
Basketball and track meeting, U2W, 5 p.m.
Fencing team, gym, 4 p.m.
ASCE convention, Palmer House

FRIDAY:

Kappa Phi Delta informal rush, 3 p.m.
S.A.M., U2W, 10 a.m.
Junior class meeting, 10 a.m.
Camera club, 5 p.m., club-rooms
ITSA, 4 p.m.

Here Comes Mr. Taylor: Public Relations Head Pushes IIT Plans

(continued from page one)

nnection between the picture and Illinois Tech in Mr. Taylor's mind is difficult to say. From all appearances, however, Illinois Tech's "propellor" is whirling quite rapidly and the cry of "contact" rings out against the roar of its impending ascendancy.

Good-Will Ambassador

Bernard P. Taylor, in his capacity of assistant to the president of Illinois Tech, in charge of public relations, would probably feel embarrassed if any of the Institute's progress were charged directly to his credit. Modest, bespectacled, friendly-eyed, of medium build, Mr. Taylor does not give the impression of a crusader. In effect, Bernard Taylor would probably be most aptly termed the "invisible good-will ambassador."

Bernard Taylor has a lot of curiosity. As he puts it, "I'm curious, for instance, about what the newsboy down on the corner thinks of Illinois Tech. And I want to know why." Of course, the newsboy is only one specific example of a tremendous class breakdown. There are other stratas coming in the ambassador's penetrating inspection, such as industry, the high school student, the Illinois Tech student, the Illinois Tech alumni, the faculty. In short, Bernard Taylor wants everybody to be happy... particularly about Illinois Tech.

Advises President Heald

As an analyst of opinions and impressions, this gentleman cannot resort to polls. He has to sense things. If he were not an excellent "senser," some other profession would probably be his lot. At any rate, Bernard Taylor's opinions and advice, aimed at the ear of President Heald, are an important factor in directing the policy of the Institute, helping to eliminate either the fact or the causes of unfavorable impressions, and spreading the gospel of the tremendous service the Institute does render.

This development counsellor, as Mr. Taylor is, has myriads of wires to pull in accomplishing his ends. Attractively laid out booklets sent to industry inform it as to what we are doing here and

what we want to do. The south campus public relations office, under the direction of Alexander Schreiber, is a mighty arm that uses, for the most part, the daily newspapers as its loudspeaker. A monthly periodical, *Techometer*, informs the alumni of Institute activities as does the *Illinois Tech Engineer and Alumnus*. This latter publication under Professor Finnigan's editorship, also performs another valuable service in presenting articles by leading industrialists and technical men on subjects vital to science and engineering.

Diplomacy Paramount

This is not all, however. Bernard Taylor is also paid to convince the administration that certain policies are less convenient to its purposes and should be corrected, or that certain policies should be adopted that will be beneficial. "Little things are sometimes the most important," remarked Mr. Taylor. And little things like student "gripes," etc., worry him. Deprived, perhaps of direct methods of approach in many circumstances, psychology and diplomacy are sometimes his major weapons.

As a developer and director, Bernard Taylor has an imposing record. A native of Pittsburgh, he graduated from Colgate university in 1924. He was alumni secretary of his alma mater from 1929 to 1935. After a two-year term as executive secretary of Centre college, Danville, Kentucky, he resigned recently to take his new post.

Has Many Connections

After receiving his Colgate degree, Taylor engaged in group testing research for the psychological clinic of the Detroit public school system. He was also principal of Stockton high school, Stockton, New York. From 1926 to 1929 he was secretary of the Chamber of Commerce of Norwich, New York. Taylor has had charge of development activities at Lewis Institute (before merger), University of Louisville, Virginia Polytechnic Institute, Virginia Military Institute, University of Virginia and Hampden Sydney college, Hampden Sydney, Virginia.

A.S.C.E. CONFERENCE PROGRAM

WEDNESDAY—October 15, 1941

CRYSTAL ROOM, PALMER HOUSE

DEAN L. E. GRINTER, Chairman, Illinois Section Committee on Student Chapter Conference, (Chairman)

JOHN H. PORTER, Chairman, Society Committee on Student Chapters, Presiding

CLIFFORD KRABENHOFT, President, Junior Section of Illinois Section, Honorary Chairman

9:00 Registration at Society Headquarters, Foyer, Palmer House

10:00 Opening Session, Crystal Room

Address:

HENRY T. HEALD, M. Am. Soc. C.E., President, Illinois Institute of Technology, Chicago, Ill.

FRANKLYN SNYDER, President, Northwestern University, Evanston, Ill.

Announcements

10:30 Student Papers, Prize Essay Contest

12:30 Informal luncheon groups

2:00 Symposium on National Defense Construction, Red Lacquer Room

Students will join members.

7:00 Society Dinner-Dance and Reception, Grand Ball Room

Special tickets for members of Student Chapters and their dates, \$1.50 each.

THURSDAY—October 16, 1941

CRYSTAL ROOM, PALMER HOUSE

Presiding Officer to be Selected by the Conference

9:00 Student Papers, Prize Essay Contest (Continued)

12:15 Student Luncheon and Award of Essay Contest Prizes in LaSalle Hotel, Madison Avenue at LaSalle Street

... Toastmaster: LORAN D. GAYTON, M. Am. Soc. C.E., Asst. City Engineer, Department of Public Works, Chicago, Ill.

Complimentary to members of Student Chapters

2:00 Special Student Inspection Trip to Chicago Subway

6:30 Society Get-Together Smoker and Entertainment, Red Lacquer Room

Special tickets for members of Student Chapters and their dates, 50 cents each

FRIDAY—October 17, 1941

9:30 Attend Society Technical Division Sessions

11:30 All-Day Excursion and Tour of Chicago, Trip No. 2

(See program for description.)

Tickets, including transportation, luncheon and dinner, are \$3.00 each.