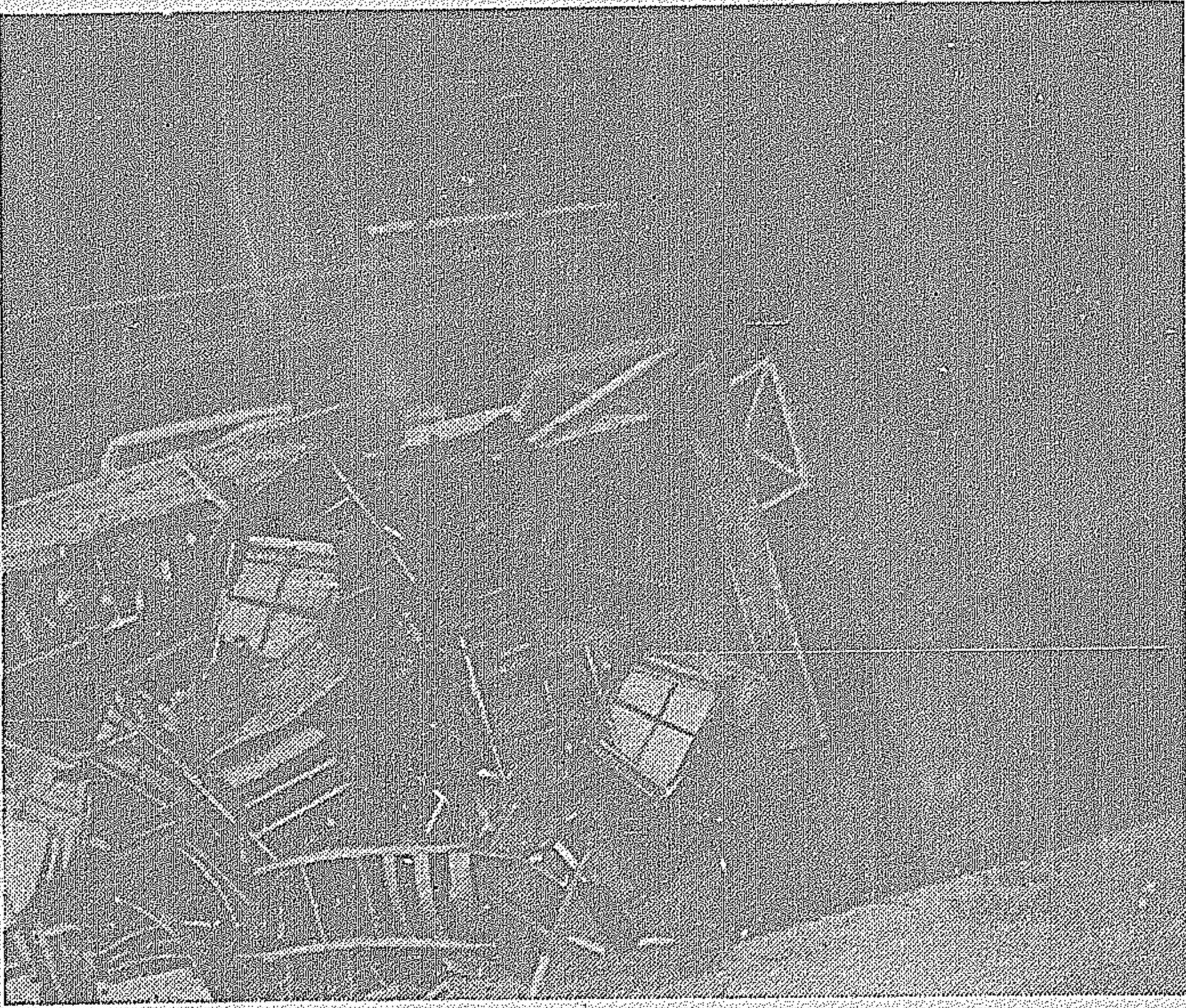


BOMBSIGHT VIEW



These chairs were tossed out of the window of 317P and left to the tender mercies of Newton's gravity. The occasion was Armour's recent spasm of spring housecleaning. New chairs were substituted.

LEWIS LIBRARY LOSES LOVELIES

•New faces will be found in the Lewis library next semester for all the old help is leaving. Mrs. Mabel Craig, assistant librarian, is going to leave for New York to join her husband who is stationed there and employed with the federal government. Taking her place is Miss Rosemary Stewart, a graduate of Rosary college. Miss Stewart finished school last year and was previously employed by the Berwyn Public library. Miss Alice Frankel, also a Rosary college alumna who replaced Miss Marge Murphy recently, and she will work hand in hand next year.

•Mr. Edward Fowler Smith has been called to his country's colors, reporting to his draft board for induction May 10, and will leave his position as head librarian. As yet his successor has not been named.

•"Smitty" came to Lewis in September of '39 after receiving his B.A. degree at Oberlin college in '36 and a two years' stay in Rolla, Missouri School of Mines.

•As a remembrance of his stay at Lewis a pen and pencil set was presented to him by the students and library staff, and in the future we will find out if it writes through his correspondence.

Chem textbook by Lewis professors

•"Essentials of College Chemistry," a textbook written by Norman Kharasch and Helen S. Mackenzie of the Lewis chemistry faculty, will be ready for distribution on May 15. This announcement was made by the D. Van Nostrand company of New York, scientific publishers.

•This book is a complete revision of a preliminary text written by the authors in 1940 and used in the introductory courses since. The text is written in an introductory style so that college students who have not had high school chemistry will be able to use it, but it is sufficiently rigorous to justify its use as a regular college text. It brings to the general course in chemistry a fresh arrangement of subject matter, and a substantial amount of original illustrative material.

•Interesting features of the text are the inclusion of a complete outline of the historical development of chemistry in the appendix and a separate chapter on the problem of measurement. The chapters on organic chemistry are also organized in an original and valuable manner. Throughout the text the electrical structure of matter is stressed and experimental evidence is given for all of the theories proposed.

•The Kharasch-Mackenzie text is the second one from the Institute to be published by D. Van Nostrand company. The other recent publication is "The Application of Chemical Engineering," edited by Professor Harry McCormack of the chemical engineering department.

ARMOUR RESEARCH FOUNDATION ADDS CHEMICAL INDEX

•Establishment of a national registry of rare chemicals was announced today by Harold Vagtborg, director of the Armour Research foundation, as the newest service of the foundation to American science and industry.

•The registry has been organized by the foundation during the past two months and is now ready to begin regular operation.

•Information on chemicals too rare to be listed in the catalogs of regular chemical supply houses will be filed with the registry and indexed according to location and amount available. Dr. Martin H. Heeren, chairman of chemical engineering research in the foundation, will be in charge of this work and has been named director of the registry.

•No other complete listing of uncommon chemicals exists, nor has any ever been attempted on a complete basis.

•Research constantly demands rare compounds and reagents, Dr. Heeren says, and since no index exists, research workers must spend weeks and even months duplicating the search of some other laboratory at another time.

•"Now more than ever it is essential that the priceless time of scientific workers be conserved for better uses than such duplication of effort," Dr. Heeren declares.

•The registry will not serve as a "chemical bank," inasmuch as it will not store the actual chemicals but merely maintain an indexed file of their sources. The registry, however, will act as intermediary in transactions in which the owner does not wish to disclose commercial secrets through knowledge of the source.

•Requests for file data have been made of approximately 2,000 industrial and educational laboratories. Incomplete filings of certain specialized chemicals already indexed by private laboratories have been incorporated into the registry files. Data of the American Association of Scientific Workers is included in that category.

•The registry will be of inestimable service to both educational and industrial scientists, Dr. Heeren says, in providing a central clearing house for such chemical information. No charge will be made for the registry's services.

•The Armour Research foundation first considered establishment of the registry after research workers there had spent more than two months locating a few grams of a certain rare chemical needed in a foundation project.

IIT INSPECTORS FINISH COURSE

•Graduation exercises for 111 ordnance inspector trainees were held at 11 o'clock Saturday morning on the Lewis campus of Illinois Institute of Technology. All trainees completing the course have been assigned to plants throughout this ordnance district, where they will inspect munition and military equipment for the U. S. Army.

Sphinx elects fem prexy

NAVY V-1 PLAN ELUCIDATED

•At 10 o'clock this morning, May 5, Lt. Wisner of the United States navy will explain the navy's new V-1 program to an assembly of freshmen and sophomores, whereby freshmen and sophomores may qualify for commission while staying in college. All freshmen and sophomores between the ages of 17 and 19, who have enlisted, and who can pass the naval requirements, will be allowed to finish one and a half years of college, after which they will be given a comprehensive examination to determine if they are eligible to volunteer for V-5 or V-7.

•Under V-5 they will transfer to active duty and will receive flight training as a Naval Aviation Cadet upon completion of their sophomore year. The Naval Aviation Cadet receives a pay of \$75.00 per month, and upon completion of the training course he will be commissioned as an Ensign USNR, with a pay of \$205.00 per month.

•The V-7 plan permits qualifying candidates to continue their work in college until they have received their degree. After graduation the student undergoes training as a Reserve Midshipman with pay of \$65.00 a month.

•This plan was designed by the navy to meet the needs of college freshmen and sophomores. It enables them to receive their college training and at the same time allows them to do their part for their country. Those who do sign up for this program serve only for the duration of the present war and will receive their discharge as soon as possible when the war is over.

•From April 13 to April 17 3000 requests for engineers came into the placement office. Those seniors still unplaced should report to the placement for an interview with Mr. Schommer.

FINAL PHYSICS SEMINAR HELD

•Guest speaker at this school year's last regular meeting of the physics seminar will be Dr. Volney C. Wilson of the University of Chicago, who will speak on "Experiments with Penetrating Cosmic Rays" in Room 300, physics building, on Friday, May 8, at 10 a.m.

•Dr. Wilson has been a member of the University of Chicago cosmic ray group, working in collaboration with Professor Arthur H. Compton.

•His work revealed the great penetrating power of certain components of cosmic radiation. Dr. Wilson accomplished this by studying them in a deep mine shaft and has developed the basis for much of our knowledge regarding the penetrating nature of these components.

•Due to the accelerated school program, the Junior Marshals wish to announce that the Pentathlon will be postponed until the fall semester.

•Sphinx honorary literary society, oldest honorary on the IIT campus, broke a thirty-five year tradition Tuesday, April 28 at their semi-annual banquet held in the private dining room of The Corner House, 100 E. Ohio street. Disregarding the engineering and sex customs of long standing, the twenty actives, pledges, and faculty present readily elected president, popular Patricia Arns, west campus junior class vice-president.

•Miss Arns, also president of the Pan-Hellenic council and second vice-president of the Illinois Tech Student Association, was pledged to Sphinx last semester on the basis of her accomplishments as a member of last semester's managing board of **TECHNOLOGY NEWS** and as liberal arts editor of the 1942 Integral. She was the only active present who will not graduate.



Patricia Arns

•Other officers elected are Donald Keigher, junior fire protect and sports editor of the 1942 Integral, secretary; and P. Robert Bechtolt, junior fire protect and sports editor of **TECHNOLOGY NEWS**, treasurer. Retiring officers include Dan Brown, president; Art Minwegen, secretary; and Tom Brown, treasurer.

•Formally initiated at the banquet were eight pledges who had met the requirements set up by Pledge Captains Bernard Chertow at Armour and Arns at Lewis. They were Bechtolt, Edward Farrell, Morgan Fitch, Keigher, Charles Peller, Eileen Robinson, Hugh Story, and Gordon Walter.

•Marcel Fodor, Chicago Sun columnist and professorial lecturer in social sciences at IIT, delivered an interesting analysis of the European situation. Mr. Fodor is an honorary member of Sphinx.

Field House Drive enlists all students

•Students on the Armour Campus, at long last, are going to get an opportunity to do something about the Field House Drive. Today at a mass meeting of the freshman and sophomore classes at 10 a.m. and again at noon when the seniors and juniors meet, a plan will be announced for active student participation to help this "step-child" of the administration.

•Here is a chance for all students to do some tangible "good turn" for the field house.

ENGINEERS' COOPERATIVE, INC.

Financial Statement as of April 1, 1942

ASSETS

Cash	\$2478.80
Accounts Receivable	10.37
Office Equipment	37.37
Inventory	1138.70
Total Assets	\$3665.24

LIABILITIES

Accounts Payable	\$2186.10
Capital	630.00
Surplus	849.14
Total Liabilities	\$3665.24

Profit and Loss Statement

Gross Sales	\$5408.42
Less Returns	10.15
Net Sales	\$5398.27
Cost of Goods Sold	4353.68
Gross Profit	\$1044.59
Operating Expenses	213.56
Balance	\$ 831.03
Commission on Used Books	18.10
Net Profit	\$ 849.14
Inventory, Oct. 1	\$0000.00
Plus Purchases	5492.38
Total Goods Handled	\$5492.38
Less Inventory, March 31, 1942	1138.70
Cost of Goods Sold	\$4353.68

