

ITSA Announces New Budget; Still to Pay Coaches' Salaries

ASSC Money Increased From \$300 to \$1,300; School to Pay \$1000 for V-12 Memberships

The salaries of IIT coaches will continue to be paid by ITSA funds, Harry Anderson, president of the ITSA announced last week. However, this item was cut from \$2000 to \$1100 in this term's ITSA budget.

The ASSC will receive \$1300 instead of the \$300 originally proposed. The additional amount will come from the ITSA reserve according to a suggestion made by Anderson at a previous meeting.

Lewis Chemistry Club Reorganizes

A meeting to re-organize the Lewis Chemistry Club was held last Friday, November 27. The group appointed a faculty advisor and elected a committee to initiate new Club activities.

Those elected to the committee were Richard Flaskamp, Glenn Marsh, Richard Skibbens, Barton Malina, Jane Coburn, and Bette Jean Duck. Norman Kharasch, instructor of chemistry, was appointed faculty advisor.

The first guest lecture will be given later this month by Professor H. F. Walton of Northwestern University. Professor Walton will present an illustrated talk on "Wetting Agents". At the January meeting, the society will initiate the practice of inviting selected chemistry students from one of the Chicago high schools to its monthly meetings.

Brinkman Appointed To Home Ec Staff

Dr. Evalyn Brinkman of River Forest, veteran home economics teacher in Illinois and Wisconsin high schools, has been appointed as an instructor in home economics at Illinois Institute of Technology.

Mrs. Brinkman has amassed 19 years of high school teaching experience in the home economics field. She has taught 13 years at J. Sterling Morton High School in Cicero, four years at Appleton, Wis., and two years at Waukegan, Ill.

A member of Phi Beta Kappa, Mrs. Brinkman received her Master of Science and Doctor of Philosophy degrees from the University of Chicago. She has also served as an instructor there during three spring terms.

Mrs. Brinkman is now teaching both day and evening classes.

Dean Dutton to Attend SAM National Meeting

Professor H. P. Dutton, faculty advisor for the chapter of the Society for the Advancement of Management at IIT will leave for New York today to attend the annual national meeting of the SAM, Friday, Dec. 3.

At this meeting Professor Dutton will present the "Taylor Award" to Dr. H. S. Person, for his distinguished achievements in the field of management. This award is in the shape of a key and is given annually to those who have distinguished themselves in this field.

Electronic Speed Control Acquired By Roesch's Automatic Laboratory

Recent acquisition of the most modern apparatus has made possible the very latest practices in altitude power measurements in the Automotive Laboratory, reported Professor Daniel Roesch today.

The latest addition is an electronic speed control. This instrument can be adjusted to hold an engine at any selected speed up to 4000 r.p.m. while the throttle is changed from closed to wide open. It is being used in experiments on altitude power curve data and the critical altitude for engine performance.

The speed control equipment was furnished through the courtesy of Martin P. Winther, vice president of the Dynamic Corporation, Ken-

osha, Wis. This organization has provided similar equipment for navy war plants including the Buick Melrose Park Plant.

The speed control acts directly on the field of an induction dynamometer. This piece of machinery has been received from Paul Oberreuter, president of the Midwest Dynamometer Co. of Chicago.

Professor Roesch has known these two engineers over a period of many years, and from time to time has collaborated with them on numerous engineering projects, some of which are of importance to the war effort and are in a restricted classification at the present time.

Shannon Receives Commission



WILL LEAVE IIT—Lt. W. A. Hamilton swears in Ensign John Shannon who will report to Princeton University Dec. 15.

JACOB WINS

(Continued from Page 1)

- 8. Marie Schrot
- 9. Yeoman Morgan
- 10. Nancy Hart

Although not a secretary, Librarian Nell Steele also polled several votes in the contest. All but one of the votes cast on the Lewis campus were for Florence Bartusek; but since so few students went to the polls there, she did not garner enough votes to be represented in the finals.

Gage, whom the secretaries voted as "the man who best represents what an Illinois Tech man should be," ran away with the election. He is a member of the V-12 unit stationed here and attended IIT before entering the navy. Second place went to Harold Burkart, president of the junior class. Mike Coccia, chairman of the ASSC, and Ted Pilat, Armour editor of the Integral, tied for third place.

The winners of the contest will now work out their own arrangements for their evening at the Edgewater Beach. A free dinner—with dancing, floor show, and all the trimmings, goes to the winners.

Mangold Attends Meeting

John F. Mangold, associate professor of mechanics, attended the 23rd annual meeting of the Highway Research Board held from Nov. 27-30 at the Edgewater Beach Hotel.

Engineers to Play With Toy Balloons In Study of Weather Conditions Here

A group of engineers playing with balloons on Ogden Field.

That's the impression anyone in the vicinity is liable to get next Saturday morning when physics professor Dr. Alden M. Countryman's meteorology class CE 325) conducts an experiment.

Sending up balloons in order to get weather data is standard meteorology practice, says Dr. Countryman, and the experiment will give the class an opportunity to see how the data is obtained on the basis of which weather forecasting is done.

The balloons for the test were given to Dr. Countryman by the weather bureau. He has 120 red, white and black balloons of the standard sort used by the bureau and 150 toy balloons. The hydrogen to be used for inflation will be provided by Dr. V. I. Komarewsky, research chemistry professor.

Two theodolites will be used in

making the observations. A theodolite, like a transit, is an instrument used for measuring angles, in this case the measured angles being the horizontal and azimuth (vertical) angles.

These instruments will be trained at the balloon as it ascends, and from the readings taken and the use of trigonometry, it will be possible to determine the location and elevation of the balloon at various times.

In analyzing the data, the position of the balloon is plotted against the time, and it is possible to determine the horizontal wind velocity. Since the elevation is also determined, one has the wind velocities at various elevations.

Vertical wind velocities can also be approximately determined. Dr. Countryman has obtained from the weather bureau an average of what the normal vertical velocity is. Hence, deviations from this indicate vertical wind velocities.

By using a 400 foot base line and measuring to a quarter of a degree, Dr. Countryman estimates that they will be able to take readings up to 40,000 feet, visibility permitting. The stratosphere begins at 20-30,000.

The balloons will be inflated with hydrogen to a standard lifting power. Two stop watches will be synchronized when the experiment is begun, and reading on the two instruments will be taken simultaneously.

Dr. Countryman went down to Joliet, Ill., Saturday where the official weather observatory for this region is located. At Joliet, an instrument known as Radiosonde is sent up in a balloon. This instrument measures the temperature and pressure and broadcasts the reading to the ground by shortwave radio.

Integral to Be Out in January

Final Proofs to Be Checked by Dec. 10

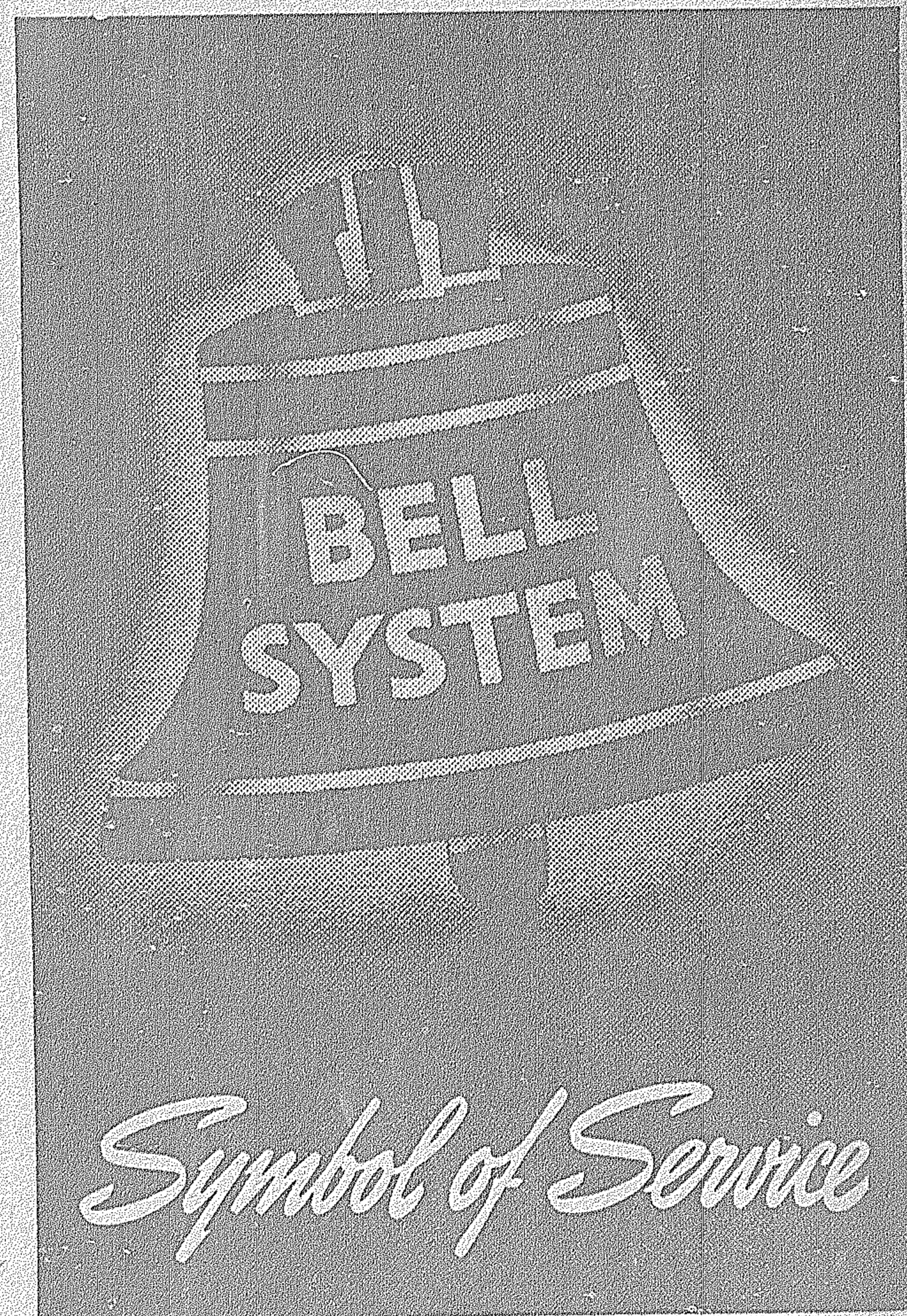
Final proof for the 1944 Integral, IIT yearbook, will be checked by Dec. 10, Ted Pilat, Armour editor, announced last week. Barring labor troubles in printing, it should be ready for distribution the week of January 24, 1944, he added.

According to Ray Berggren, photo editor, all copy has been written, only a few photos remaining to be taken.

A full page of Integral Dance pictures will be inserted later. In addition, photos of several senior committees have not yet been made, Berggren announced.

Pilat stated that this year's book will be larger than last year's, having 222 plates as compared with the former number of 192. The army, navy and other new groups which have appeared on the campus since the last issue was published will be represented. The civilian student body and all other organizations will be included as in the past.

Provisions have been made for printing a sufficient number of copies; however, Pilat urges all those who desire extra issues to contact Arnold Thompson, Bob Schneller, Harry Beach or himself before Dec. 15.



... in peace and war

This emblem is familiar throughout the nation as the symbol of a well-trained team, integrated for service in peace or war—The Bell Telephone System.

1. American Telephone & Telegraph Co. coordinates all Bell System activities.
2. Twenty-one Associated Companies provide telephone service in their own territories.
3. The Long Lines Department of A. T. & T. handles long distance and overseas calls.
4. Bell Telephone Laboratories carries on scientific research and development.
5. Western Electric Co. is the manufacturing, purchasing and distributing unit.

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