2 Weeks Until Junior Week

TECHNOLOGY NEWS

Twentieth Anniversary Issue

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NSA Vetoed By Board Of Control

Huntly To Retire After Ten Years As CE Dept. Head

Philip C. Huntly, chairman of the department of civil engineering at Illinois Tech, today announced his retirement effective at the end of August.

Philip Huntly

He joined the staff of Armour Tech, one of the predecessor colleges of Illinois Tech, in 1914 after doing graduate work at Arkansas in civil engineering.

In 1915 he was put in charge of the materials testing laboratory. In 1930 he became professor of mechanical engineering and four years later chairman of the department. He was named head of civil engineering in 1938 and served as director of the mechanics department in 1946.

Mr. Huntly has been an engineering consultant for Illinois Tech's Armour Research Foundation since its beginning.

He received his bachelor's degree in civil engineering from the University of Arkansas, where he played center on the Southern and Southwest championship football teams in 1909 and 1910.

He owns a citrus fruit and cotton farm in the Rio Grande valley in Texas, where he will spend his winters after retirement.

JUNIOR WEEK IS ON ITS WAY— Irene Radvilas and Arlene Edwards prepare to let the campus know about it.

Non-Student Members Combine To Defeat Affiliation 6 To 5

For the second time within a year, the Illinois Tech Student Association Board of Control voted against IIT's proposed affiliation with the National Student Association.

At the Board of Control meeting last Wednesday, the measure was defeated by a narrow 6 to 5 margin. The faculty and administrative members of the board combined to cast three votes against the measure and one undecided. Three students comprised the remaining votes against.

Expense Not Warranted

The chief reason for voting the measure down, as expressed by those not in favor of it, was that the advantage gained by affiliation would not be great enough to warrant the expenditure involved. This same argument was advanced last year when the measure was also defeated.

Warren Brockmeier, Ray Van Zelst, Shirlee Langill, Bob Guthrie, and George Bowman voted for the affiliation while Bernard Weissman, Gilbert A. Force, John Butkus, Bob Cunningham, Ken Thompson, and Harvey Wilson voted against it. Prof. P. M. Bernays cast no vote and since there was no tie, chairman Bob Ricker did not vote.

Discuss Ogden Field

There was also a discussion on the repairing of Ogden field so that students using it for athletic purposes would not be in danger of personal injury from falling on the rough surface. It was pointed out that repairs would be of no avail if students continued to use the field as a short cut to the new buildings. This habit also makes it difficult to keep the new buildings clean since mud is usually tracked in on rainy days.

The issue of repairing the tennis courts was again brought up, but it was decided that nothing could be done until the administration approves the request.

Approve Junior Week Play

The budget for the play "I'm a Genius", all-male theatrical to be given during Junior Week, was approved. It will be under the direction of Bob Ricker.

Semester's First All-School Dance Friday Night In NU

Phi Beta Pi Platter Parade, the first free all-school dance this semester, will be held in North Union auditorium Friday at 8:30 p.m.

Although recordings will provide the majority of the entertainment, several "live" acts will be presented. Among the performers will be Marty and Elaine, second-prize winners in the Harvest Moon jitterbug contest; Leila Schwartz, student of De Kalb college, will sing, as will Rita Jesser of the Navy Pier campus of the University of Illinois. Chuck Mattes of the Delts will do some 1920 song and dance numbers for those who enjoy the music of the old days, with Johnny Chervanek acting as master of ceremonies.

"Plenty of refreshments in the east dining room should subdue any hunger pains that might crop up in the course of the evening," said Estelle Jesser, refreshment chairman.

"Invitations have been sent to girls at St. Luke's hospital, Wesley Memorial hospital, Mundelein college, and De Paul university," said Muriel Paller, invitation chairman.

Card tables and cards will be available for those who don't know how, don't care to or are unable to dance.

Veterans Warned Of Leave Ruling

Veterans not wishing to take a 15 day leave with subsistence pay at the end of the term or semester must notify the VA of this fact at least 30 days before the closing date of that semester. This may be accomplished by writing a letter to the VA at 366 West Adams street.

Veterans are placed on subsistence rolls from the date of enrollment to 15 days after the close of the term. This enables veterans in accelerated programs to receive continued subsistence allowances between semesters.

Junior Week Exhibits To Attract 15,000

By Saul Needleman

With forty years of tradition behind it, Junior Week is about to mark a new high in memorable festivities and exhibits.

This year's festival is designed to outshine all the others in the history of Illinois Tech. It all started when a group of students, back in the hoary days of Armour, decided to have a little mid-semester monotony breaker consisting of class rivalry and various de-pantsing activities. This little break in the every day slide ruling has now grown into the massive and rather diversified Junior Week of today.

Expect 3000 Prep Students

Technical schools which are constantly changing old ideas for modern ones are not apt to harbor traditional events on their calenders, but here at IIT, the situation is differeent, as the old time Junior Week has become the basis of many new traditional fraternity and departmental presentations.

Keeping in stride with the ever expanding campus, Junior Week has expanded in quality and interest and this year over 15,000 people are expected to observe the several hundred exhibits which will be featured here April 21, 22, and 23. A tour of high schools in the Chicago area by the Student Admissions Advisory board revealed an expected attendance of over 3000 high school students alone. According to early reports, students from Lane, Hirsch, Kelly, Austin, and several other high schools will visit the campus.

New Theme Emphasized

Junior Week is traditionally divided into two major parts: student activities and Open house.

Open house involves the integration of the exhibits sponsored by the various departments into a workable and understandable presentation. This year all exhibits have been styled to emphasize the theme of Junior Week "Exhibits With a Meaning". Attempts will be made to explain to the visitor how each field, with its modern mechanical and electronic devices, affects his every day life.

Explosions Simulated

Some of the exhibits will illustrate the equipment used in testing structural materials which make up homes and factories. Safe methods of eliminating dust and gas explosions will be demonstrated by actually having simulated explosions in model buildings and preventing them by various methods.

The latest home heating refrigeration equipment will be in operation. Examples of interior decorating, newly developed textiles and their uses, and comparison of food by caloric values will be explained to visitors. In addition, correct cook-

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Remember When?

A tall sober-faced man with top hat and white tie strode up the steps to the First Congregational church in Washington D. C. on a bright Sunday morning in 1928. Calvin Coolidge was on his way to his last Easter service as President of the United States.

That very week-end *Technology News* went to press for the first time under the name Armour News. It's 20 years ago Friday since the birth of "Slipstick."

Sanford Offers Hope For Future Employment

"Industrial concerns will have to hire about three times as many engineers in the future as they previously have done, to keep up with retirements," said Frank E. Sanford, director of research and development for the Copper Wire Engineering association, as he addressed the American Institute of Electrical Engineers student branch last week.

In a talk entitled "Engineers—a Dime a Dozen, or What?" Mr. Sanford pointed out that within the next fifteen years most of the engineers now well established in business will have retired. "This amounts to about 75 percent of the present number of engineers. in the electrical power field," he said, "and about ten percent of engineers in general."

Peak Enrollment Passed

Mr. Sanford went on to show that the peak enrollment in engineering colleges was passed last year, when 92,000 freshmen were admitted in schools throughout the country and 23,000 were graduated. This year 57,000 freshmen were enrolled, while 31,200 seniors will be given their first degrees. By 1950 the number graduating will be about 58,000.

Frank Sanford

The 23,000 entered industry last year to find 36,200 jobs awaiting them, so that there was a shortage of 13,200 engineers. This year's shortage is estimated at 4,500, according to the ASEE journal, and the same source claims that the supply will just about balance the demand in 1949, and a surplus will start accumulating in 1950.

Advanced Degrees Desirable

He also mentioned that many engineering graduates never become engineers. Many firms deal in products which require an engineering knowledge in many other phases of their business as well, and consequently, "many who are in engineering studies today will land in administrative and executive positions."

"Since the war, a total of 4,247 organizations have been contacting colleges directly, with the purpose of hiring engineering graduates," said Mr. Sanford, "and the demand for advanced degrees is rapidly skyrocketing. So although it will not be 100 per cent necessary, I think it is good advice to say 'Go on and get advanced degrees whenever it is possible.'"

One Of The Few

In the first paragraph of an "anniversary editorial" it is the custom to put feet up on desk and say, "We've come a long way in the last twenty years."...Okay, maybe we have, but who shouldn't have? Twenty years is a lifetime for some of us. If you don't come a long way in one-fifth of a century you probably died eighteen years ago.

The first issue of Armour News (our former name) on April 9, 1928, saw four pages with balanced make-up and no pictures. Someone looking over the yellow pages of that issue would notice these changes and perhaps more; however, the most important difference between the two issues (then and now) would probably go unnoticed.

Technology News has since become unique among a vast number of college newspapers. Relatively few of them, especially those without any journalism courses on the campus, can boast as complete an immunity from faculty censorship.

We say what we think should be said with only our conscience as guide. That's an achievement fit to mark the anniversary of any publication anywhere.

Now who will volunteer to put the problem on the board?

Letters To The Editor

Name-Calling Rages As Formal Dress Battle Mounts—Everybody Gets In

Dear Sir:

The diatribe which Louis Fisher unleased upon the Junior Prom is prompted more by emotion than by fact. Even casual reading of *Technology News* during the late lamented fall term would render his charge that the Junior Prom is undemocratic because it is formal is surprisingly ineffectual.

From December 10 to December 13, 1947 a poll—a democratic poll—was conducted by the Junior Prom committee to determine the preferences of the student body regarding formals for the Junior Prom. The results of the poll were tragically democratic; 240 of the 3000 day students cast ballots. Of this total, which represents eight percent of the day school enrollment, 102 favored a formal dance, 93 preferred an informal and 45 did not express any opinion.

While the erudite but factless Mr. Fisher raves that the opinion of the majority is being overlooked, the majority (92 percent of the student body) embarrass him by neglecting to express any opinion at all.

It seems that Fisher is bleating, not so much to protect the rights of the majority, but to promote the rights of a minority—his minority.

Junior class officers
George Bowman, Bob Nelson, Jim Wangersheim, Irene Radvilas, John Dinou

More About Formals

Dear Sir:

The churlish letter appearing in a previous issue of *Technology News* signed by EIV concerning the Senior Farewell is emotional rather than factual. As is customary with people who are not interested in facts, mud-slinging was resorted to, in a manner signifing a complete lack of good taste.

Let us review the facts. At the one and only meeting of the Senior Class three months ago, the vote was 53 to 38 by a show of hands in favor of a formal, less than 20% of the class voting. In the representative survey conducted by three seniors, wherein two-thirds preferred an informal Farewell, there were 197 signed statements. An additional number did not sign, explaining that they will not attend in either case. This is well over 50% of the class, a 250% greater number than attended the lone class meeting, and the largest percentage that over voted at any time.

It would be well for EIV to take a course in statistics and logic, though they might prove to be difficult for the untrained mind.

Louis L. Fisher

Shameful Slurs?

Dear Sir:

Professor Smithburg's articles are interesting, and, quite possibly, he has a good point. Perhaps congressional committees

Continued on page 3

as I see IT

By Sherwood Benson
Editor-in-Chief

I RECEIVED A SAD BLOW from life last week when I was unable to be on the campus as the April Fool's issue was distributed—due to an infected throat. I called up the office at nine that morning and asked, "Hullo, Bob. Say, will you run out and see if the paper smells?"

"What?" says he. "Smells?"

"Yeah," I replied. "Smell the paper for me, will you?"

After a brief silence Bob returned to the phone. "Nope, it doesn't smell."

That somewhat bewildering conversation marked a milestone in my education as Editor-in-chief of *Technology News*. A week before this incident occurred four of us were sitting around the office planning the final details of this year's April Fool issue when someone suggested that we put perfume in the printing ink to make *Technology News* smell.

Since it was too late to add any fragrant odor to the ink down at the printers we planned to spray the papers by hand early Thursday morning. And to heighten the realism it was decided to spray on a couple of half pints of whiskey instead of the more conventional perfume. Each of us donated $.50 and an emissary was sent to purchase the cheapest and smelliest liquor he could find at a dollar a bottle.

But as the final drop of whiskey saturated the last stock of papers at 8 a.m. Thursday a lesson was driven home. The odor of fresh printer's ink is enough to drown out the smell of the most potent whiskey ever made.

THE WOMAN'S ANGLE

Chem Building Twins Birth Is Delayed

By Evelyn Beacham

The next step in our dream campus is good news for the home economic majors—the Lewis building is going up.

This three story structure will house the department of liberal arts and home economics and will be located on the southeast corner of 33rd and Dearborn. It will be a twin to the Chemistry building.

Tentative plans call for an auditorium on the first floor seating two hundred people. The second floor will contain offices and classrooms for liberal arts, and the third floor will have various necessary rooms for home economics. Clothing room with a raised stage for fashion shows and demonstration will be among the long list of conveniences afforded by the building. There will also be an elevator (not for freight) and a veritable bank of kitchens to make the gals happy.

However, there's an old saying about all that glitters ..."Although," stated Raymond Spaeth, treasurer of Illinois Tech, "the Lewis building will be the next one built, I hesitate to say when. Because of rising building costs, it may be another year before we can start constructing it."

So now, gals, we may as well resign ourselves. It's another year on the downtown campus. That means putting up with extra carfare expenses, more time wasted getting from one campus to the other, and no cafeteria. As for other complaints, there's no chance of attending meetings on the south campus, and downtown classes are not excused for assemblies. Thus, there is hardly any connection between campuses. But someday, gals, you can come down here and mingle with the elite.

GUEST EDITORIAL

Sociology Professor Calls Grades 'Barriers' To Complete Education

By Donald W. Calhoun

Grades, like the weather, are something everybody (teachers and students, alike) gripes about, and nobody does anything about. I should like to try to furnish at least a little new food for argument.

What is a grade? From the teacher's standpoint, it is his judgment as to how well a student has got what the teacher thinks he *ought* to get out of a course. What ought he to get? There are several possible answers.

Education Versus 'Training'

One is that a student ought to know a certain body of facts which the teacher learned when he was a student, or which all (or most) authorities in the teacher's field believe the student ought to know. A grade given on this basis is largely a measure of how well the student has been *trained*.

A second answer is that the student ought to know and accept what the teacher believes to be correct. A grade of this kind is a measure of how well this student has been *indoctrinated*.

A third answer is that the student ought to use the course as a springboard for learning how to formulate and examine problems which will concern him the rest of his life. A grade given on this basis, is, roughly, a measure of how well the student has been *educated*.

Grades Are Hurdles

What is the right basis for grading? There is no objective way of determining which is right; it is a matter of instructor's judgment. Two things are important, however. One is that the student has to conform to the instructor's judgment, or risk losing a grade. The other is that since teachers, like most people, tend to follow the path of least resistance, most grades in our educational system measure training or indoctrination rather than education.

From the standpoint of the student, a grade is chiefly a barrier to be hurdled. The main reason for going to school in our present world is the hope of improving one's economic and social status. This has never been as true as it is now, when a large number of students are GI's who are getting no younger and are trying to make up for lost time. Education, for a large number of students, is primarily a hurdle race, set up by those who have already been initiated. The completion of the race means that the student will, or hopes he will, have secured entrance into the closed circle of those who have an AB or BS degree. And at each hurdle stands an instructor with a grade book.

Learning Becomes Contest

The job of getting "educated" therefore becomes chiefly a contest in which the student tries to humor, cajole, or outwit the teacher into letting him over the hurdle. He therefore generally develops the habit of learning only that subject-matter which will enable him to meet the teacher's requirements. If an important question is raised in class, he is apt to say, "That's interesting, but will it be on the next quiz?" If he disagrees with the teacher, he is likely to think to himself, "I'd better keep my mouth shut or I'll catch it in the neck when the grades come around."

The battle comes down to its final round at exam time, when the teacher engages in the humiliating custom of proctoring in order to keep the student from engaging in the equally humiliating practice of cheating.

* * *

Next week Professor Calhoun will discuss what can be done about "grades."

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Slipstick

Three fellows making the rounds one night drove up to a tavern for another drink.

The first one made the bar OK, the second just barely made it. The last one to enter fell to the floor, flat on his face. The bartender asked, "What will you have?" The first fellow said, "Give me a double shot and give my pal the same." "How about the fellow on the floor?" "Oh, give him only a single shot; he's the driver."

* * *

Regina: For goodness' sake, use two hands.
Lou: Can't, I gotta drive with one.

* * *

Lennie: Tell me about the police raid on your fraternity.
Herb: Oh, that's a closed chapter, now.

* * *

Joyce: I've never read the dictionary.
Jerry: Why not?
Joyce: I'm waiting for it to be made into a movie.

* * *

Clerk: Shopping bag?
Coed: No, just looking.

"Oh, doctor," said the young lady, "will the scar show?"

"That, madam," said the doctor, "is entirely up to you."

* * *

The air is just as free as it ever was.
It just costs more to be able to breathe it.

* * *

Bus driver: Your fare, young lady.
Young lady: You're nice looking yourself.

* * *

Reformer: Stop, do you think a glass of that vile stuff will quench your thirst?
EE: No, sir. I'm gonna drink the whole bottle.

* * *

I like exams; I think they're fun.
I never cram, and I won't flunk one.
I'm the teacher.

—Carbolic Gus

Movies, Plays, Track Meet Among Junior Week Events

Continued from page 1

ing and roasting times of various foods will be revealed.

To clarify some of the effects of heredity, many generations of fruit flies will be displayed. Visitors will learn the effect of bacteria and enzymes on milk pasteurization, preparation of jells and food spoilage.

Questions on what happens to money after it is deposited in a bank, methods of time-motion studies, personnel aptitude testing, and techniques of production counting will be answered by charts and exhibits of Open house.

Movies Scheduled

Movies, which will be shown on a regularly operated schedule, will supplement explanations offered for the exhibited features. Child Psychology, Summer Camp, Cleveland Explosion, Safety and Education,

How Not to Make a Time Motion Study, and Use of Electrical Equipment in Industry, are the titles of only a few of the movies to be shown during the exhibitions.

The traditional interfraternity pageants, singing, and the track meet will be among the outstanding features of the student activities. The pageant skits will do their best to mimic college life.

'Best Photo' Prizes

The annual turtle race and baby contest will be held during Junior Week. Babies will be divided into three age groups to insure fair competition. Photos taken of any Junior Week event or activity may be submitted to a board of judges in competition for prizes.

For those who thrill to the smell of grease paint, two plays, Dramatech's "Miracle on 33rd Street" and "I'm a Genius" by the Senior Rough Castings will be included in the evening program. Faculty—Senior—White Collar girl baseball teams will provide more laughs for all. As the climax of Junior Week activities, the Junior Formal Prom will be held in the Sherman Hotel Friday night. The Man and Woman of the Year will be crowned and presented with their awards, during the evening.

Guide Service Offered

Alpha Phi Omega, the campus service fraternity, is sponsoring a guide service which will be responsible for tours of the entire campus. These guides will be aided through the use of radio equipment manned by members of the Radio club. Printed programs including 16 pages of photographs will be distributed to all guests.

'Duck Dance' Features Water Polo Contest

The "Duck Dance," a combination splash party and informal dance sponsored by the White Collar Girls, will be held April 16 at the Valentine Boys' club, 3400 S. Emerald avenue.

Plans for the evening include a water polo game; the "Bloomer Girls", starring Ann Marasovic, will battle to a standstill the "Bashful Barefoot Boys", a team composed of prominent Techawk athletes. John Ahern, chairman of the FPE department and swimming coach, will referee the event.

Following the swimming, the White Collar Girls will entertain their guests with dancing, games and refreshments.

THESE LOVELY thespians were what happened to Tech students as a result of last year's Senior Burlesque. This year's senior production will be the musical comedy, "I,m a Genius." Featuring original music by Pierre Krakowsky and Myron Goilding and book and lyrics by Bob Buschelle, "Genius" will be presented the afternoon and evening of April 21 in the North Union.

Four Models Pose For 'Studio Night'

Shutters clicked, bulbs flashed, and meters registered as students interested in photography met for a "Studio Night" sponsored by Armour Eye Friday in the North Union lounge.

Four obliging models supplied enough subject material to keep the photographers snapping: Verna Lindgren, sister of T. F. Lindgren, director of visual education; Florence Misch, secretary of the B&E department; Julie Balich, secretary of the FPE department; and Sandee Steinberg, Roosevelt high school student.

CLASSIFIED ADS

MEN WANTED:
Be an officer in the Marine Corps Reserve—see Major Warren Sivertsen, admissions office, or Major Frederick Cortner, NROTC office. They will interview candidates throughout this week.

BARBERSHOP SINGER:
Freshman wanted, any part. Call Wes Ooms, PULlman 9700; Wayne Nestander, REPublic 0976; Rolf Jenson, HILltop 0497.

TAM O'SHANTER CHOSEN FOR SCENE OF 'DEMOCRATIC' SENIOR FAREWELL

Reservations for Senior Farewell bids may be made daily beginning Monday from 11 a.m. to 2 p. m.in the North Union lobby.

By vote of the 4A class, the Farewell will be held at the Tam O'Shanter country club, "one of the most exclusive in the Chicago area," according to Race Wilt, 4A social chairman. The date has been set at June 8.

The mode of attire will be "Democracy Dress," to be interpreted as formal for women, and a choice of formal or conservative informal dress for men.

Wilt urged that graduates planning to attend obtain their reservations soon as the number of reservations will determine the ultimate individual cost.

Dramatech Musical Production Slated For Junior Week

"Miracle on 33rd Street," an original production written by several members of IIT's faculty, staff, and student body, will be presented by Dramatech on the nights of April 19 and 20 at 8:15 p.m. in North Union auditorium.

The first large scale production to be presented on campus, it utilizes a cast of about thitrty-five.

"Miracle on 33rd Street" is highlighted by color and music, the latter entailing five ballet numbers and 26 musical numbers, two of which were composed by George Sensibar, musical director. A large dancing group is under the direction of Shirley Langill; Bob Amstutz is manager of the orchestra.

The scenes of the play are laid in Chicago, Milwaukee, New Orleans, Montevideo, Uruguay and the Three Deuces, involving eight separate stage settings designed by Belle Kerman and built under the supervision of Bill Thayer, technical director. There are eleven scenes in all, the first finale taking place at the port of New Orleans, the second finale at Illinois Tech.

Wangersheim New Sports Editor Of Collegiate Mag

Jim Wangersheim, 6th term ME and sports writer for *Technology News*, has been appointed sports editor of Collegiate magazine, a publication distributed to midwest campuses.

Three other members of the *Technology News* staff have positions on the magazine. Joe Lucas is now chief photographer for the monthly. Bill Furlong, author of "Information for Free," and Saul Needleman are also contributing ar-

The magazine is sold in the Illinois Tech bookstore.

LETTERS TO THE EDITOR

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should be slightly limited in their power to investigate.

It seems odd, however, that the hue and cry should await the investigation of communistic activities. Since the advent of the so-called "new deal," congressional committees have been smearing many honest business leaders.

These smear campaigns provided a wealth of material for those actively engaged in upholding civil rights. Yet, the left-wing press and its cohorts joined in the infamous attacks.

Professor Smithburg takes cognizance of the "twelve year" period of investigations. But he refers to "this committee," leaving the impression that he also is concerned only with the misbehavior of the House Un-American Activities committee.

These same protectors of human rights and common decency were, likewise, strangely silent when striking members of the CIO maritime union illegally boarded a ship docked in the Chicago river and proceeded to beat the crews with clubs.

Are mobs, and lawlessness, and shameful slurs to be denounced, regardless of their origin and object? Or is that a favored class on my left?

RWG

OPERATION CROSS SECTION

Students Think War Not Yet Apparent

Disregarding the tone of present news reports, a large majority of the students polled in the latest *Technology News* survey feel that war is not a part of the immediate future.

"Do you think another war is imminent?"

Yes 23%, No 61%, Undecided 16%.

Some of those questioned stated that IIT studeents were not qualified to express an opinion on this subject as they were not aware of all the facts. Others felt that the propoganda being put out on the subject was so confusing that there was no chance for a considered cool opinion.

The reason given by many for believing that war was imminent was that the major powers "had already gone too far to turn back."

The next question was:

"Do you think the United Nations still a potent force for peace?"

Yes 24%, No 70%, Undecided 6%.

Comments on this question stressed the inability of the organization to actively enforce its decisions. Indiscriminate use of the veto power was given as the reason for many of the other negative answers. Some of those questioned believed that UN was no longer effective because it was too easy for a nation to bypass it in order to achieve individual ends.

"Has the US or Russia given up hope for peace?"

US 9%, Russia 12%, both 15%, neither 64%

The prevalence of memories of the last war, as well as the depleted stockpiles of most nations, were given as the major reasons for this hopeful attitude. Some of those questioned, however, felt that if a much more peaceful atmosphere is not created within about a year, hope for peace would be greatly diminished.

The final question was,

"Should an atom bomb be used if war comes?"

Yes 57%, No 30%, Undecided 13%

A major qualification of many of those polled was that the bomb should not be used if we alone have it. Its only justification according to these students, was that it should be used as a retaliation measure against some other equally reprehensible weapon.

Placement Schedule

WEDNESDAY, APRIL 7
- General Motors
- Illinois Bell Systems
- Skidmore, Owings & Merrill
- Clark Equipment Company

THURSDAY, APRIL 8
- General Motors
- Ford Motor
- Detroit Edison
- The Texas Company

FRIDAY, APRIL 9
- Maytag Company
- The Texas Company
- Anthony Company

MONDAY, APRIL 12
- Shell Development Company
- Allis-Chalmers Mfg. Co.
- Radio Corporation of America
- Gould Pumps

TUESDAY, APRIL 13
- Radio Corporation of America
- Procter & Gamble
- Allis-Chalmers Mfg. Co.

WEDNESDAY, APRIL 14
- C. F. Braun & Co.
- Bureau of Reclamation (Denver, Colo.)
- Inland Steel Company

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Weddings, Parties

CALL
Joseph J. Lucas, Jr.
8514 Rhodes Ave.
Vincennes 4833

Pre-Registration Must Be Completed Before April 27

Pre-registration for the summer session and for the first semester of the 1948-49 school year will be conducted between now and April 27. Day students who are now in attendance and who expect to attend either session must see their advisor and complete their pre-registration before April 27.

Copies of the courses to be offered and pre-registration cards may be obtained in the registrar's office at any time. Each student is expected to list the courses he wishes to take and turn the card in to his counselor. The counselor will then turn the approved cards in to the registrar's office. These cards will not be accepted from the students themselves.

Students who do not pre-register will not be permitted to register until all the rest of the students have done so. Department heads will decide who the faculty counselors will be. Students should therefore report to the office of their department to find out who their counselor is and when they they may see him.

EE Students Excused For Field Trip

A field trip to the Electro-Motive corporation in La Grange is planned by the student chapter of the American Institute of Electrical Engineers for April 15.

AIEE members will be excused for the afternoon, but each student planning to go is required to sign up for the trip in the EE office, 302P, and make a small deposit, which will be returned if he attends.

Busses will depart from the campus and go directly to the plant, where the afternoon will be spent on the tour. A dinner is planned the same evening in the Stevens building restaurant, downtown.

At the dinner the winners of the recent AIEE papers contest will receive their prizes, and will also be given their meal free.

Red Cross Contributions Total More Than $1,050

Julie Balich, director of IIT's Red Cross drive, has announced that over $1,050 was contributed by the faculty, employees and students of Illinois Tech in this year's campaign.

Any additional donations to the Red Cross should be given to the bursar now that the drive is officially over.

Engineers Wanted

Bachelors Degree, Large College offers $3,000—Approximate half time teaching-studying. Master to $6,500.

South Western College needs Engineers teaching research — opportunity to do grad work. Associate professor $4,500—Assistant professor $4,000.

Vacancies Other Fields

CLINE
Teachers
Agency
East Lansing, Michigan

Through The Years

Modern design . . . technological change . . . progress. That's Illinois Tech. Ah, yes, but some cherished traditions hardly change at all, as illustrated by the story on the front page of *Technology News* two decades ago:

"Flunk notices will be given out Wednesday (April 11, 1928) from the Dean's office. Students must make request for them there if they have the slightest suspicion that they are entitled to one of the ill-reputed 'valentines'. The office considerately withheld them until after the Easter holidays as it was thought such a policy would prevent much profanity."

This year the flunk notices will be distributed on April 26, from the Registrar's office.

Fraternities And Sororities

THETA XI DRAGS OUT BUBBLE GUM AND KNICKERS FOR 'JUVENILE JUMP'

The Kiddy Hop last Saturday night was the latest Theta Xi social affair. Knickers and pigtails were the official garb of the evening. Entertainment included dancing, games, baby-feeding, balloon and bubble gum blowing, as well as serenading by the glee club.

Dick Desens is drawing up plans for a kitchen and estimates of its installation and operation are being formulated. Completion of the kitchen will be a major step forward for Theta Xi.

DELTA ZETA

Officers of the new Gamma Mu chapter of Delta Zeta are: President, Shirley Niles; Vice president, Betty Duke; Recording secretary, Joan Rolling; and Corresponding secretary, Evelyn Czajka. Also elected were: Treasurer, Florence Dumke; Social chairman, Maureen Boyle; Rushing chairman, Christine Miller; and Pan-Hellenic council representative, Ginny Dorociak. Delta Zeta sorority will become the second member of the Pan-Hellenic council to use the Alpha Sigma Phi ballroom. The Dee Zee girls are planning a "Rose Dance" for Saturday night, April 17.

SIGMA ALPHA MU

President Heald again called for slums clearance in a speech at Sigma Alpha Mu's March 31 meeting. He denounced the slums as a moral and economic disease which must be cured to prevent its further infecting the community. President Heald also praised the planning boards which are furthering the cause of improved housing and the recently passed Illinois "Slum Clearance Bill," but emphasized the many obstacles which threatened to retard the rehabilitation of sub-standard areas.

The meeting was held at the Standard Club, and was attended by Tau Epsilon Phi, the guests of the "Sammies."

Sigma Alpha Mu also held a stag and smoker at Marty Friend's house Saturday night.

ALPHA SIGMA PHI

The Alpha Sig's announced that they were pinning their hopes for a victory in Junior Week's Interfraternity Pageant competition on the second annual "Joy Boy Capers." They confidently expect that the "Capers" will serve as a suitable showcase for their histrionic abilities.

TAU EPSILON PHI

Tau Epsilon Phi, in a bitterly contested rematch, rewon the interfraternity ping pong championship.

Members of the winning team were: Captain Wally Derin and Jukey Mantleman, Lou Berkowitz and Karel de Leeuw.

DELTA TAU DELTA

Highlight of the week for the Delts was the Mother's Club bridge party. 120 mothers and guests attended.

At a traditional supper, newly pinned sisters, Pat Nash and Colette Ryan, were presented with the customary corsage of flowers.

All the Delts are looking forward to the "Apache Dance," scheduled Saturday.

Man Of The Week

There's More To Life Than Money, Infers EE Herb Sachs

By John Dinou

Herb Sachs, hero of the "Saga of the Split Index" and amateur jazz virtuoso, feels graduation coming on like rheumatism in an aged joint. Yes, it's the day he has worked for and has dreamed of, but right now it's the Great Divide. As a survivor of many job interviews and as rapt listener to job-survey lectures, he has drawn the conclusion that, "If you're in EE, get out quick!"

One thing is certain: if an interviewer stops talking long enough to offer him a job, he'll take it; if not, Herb plans to go into graduate work. When asked what he considered a "good job", Herb's grinned reply was, "I'll know it if it comes."

Please note the specific absence of lucre from his reply. This indicates his belief in the tenet that "man does not live by bread alone." Since he has toiled at such non-salaried positions as president of Pi Delta Epsilon, vice-prexy of Praetorians, and has outlived a Rooseveltarian term as business manager of Integral, confirmation of this may be assumed. He is a member of Tau Beta Pi and Eta Kappa Nu.

Herbert Sachs.

Devotion to these extra-curricular posts plus a 2.41 grade average brought Herb a hard-won listing in "Who's Who in American Colleges and Universities."

Herb Sach's exposure to electrical engineering came early. A cousin had built a ham station that fascinated young Herbie. A smattering of things technical at Wright junior college cultivated his taste. Finally the army blossomed this interest by launching him on a three year radio career. After discharge he came to IIT to continue his electrical ambitions. Now on the threshhold of an electrical career, he isn't too certain of the employment situation, yet hopes for the best.

DRAMATECH

presents

an original musical

Miracle On 33rd Street

five ballet and twenty six musical numbers

April 19-20

North Union
Auditorium

Admission $.40

Sherman Hotel Site Of Junior Prom April 23

Bids for the Junior Prom to be held at the Sherman hotel April 23 are now on sale in the South Union lounge.

Leonard Speicher, Junior Prom chairman, promises plenty of dancing space and a full moon for the evening.

Dick Barrie and his orchestra have been engaged for the evening. "'Music of the Stars' is what one might call the melodies presented by Dick Barrie and his orchestra," stated Speicher when asked what type of music was to be expected at the dance. "Barrie's orchestra has played at some of the finest hotels and night clubs in the country," continued Speicher, "and it is expected that their music will definitely make the evening a memorable one."

The Prom committee has requested that those planning to attend arrange to make up parties of about five couples, as the tables are set up in that manner.

Tables may be reserved until April 12 at 3 p.m., when all reservations must be paid for or cancelled.

Tickets will be on sale Monday through Friday from 10 a.m. to 3 p.m. and on Saturday from 10 a.m. to 12 noon up to and including April 21.

CARRYING A LOT A BOOKS WASN'T HE?

Sigma Omicron Lambda Joins National Sorority

Sigma Omicron Lambda sorority will "go national" as it is formally initiated into Delta Zeta national sorority Saturday. Following the initiation ceremonies at Northwestern University the Alpha Alpha chapter will serve a buffet luncheon.

A banquet will be held in the evening at the North Shore hotel, Evanston, at which the girls will be formally installed as the Gamma Mu chapter of Delta Zeta sorority.

Honor guests attending the dinner will be President and Mrs. Henry T. Heald, Dean and Mrs. John F. White and Professor Phil C. Huntly.

A reception will be given the new chapter by the national council of the sorority Sunday in the North Union lounge. Five hundred people are expected to attend.

NEWS IN BRIEF

BABY CONTEST—Entrants for the Junior Week baby contest must have their applications in by April 20, it was announced by Gene Rezabeck, co-chairman of the contest.

The entry blanks are available in the Integral office and from Virginia Dorociak and Rezabeck.

Three divisions will be judged: six months to 1 1/2 years; 1 1/2 to 2 1/2 years; and 2 1/2 years to 4 years. Any IIT student is eligible to enter his offspring in the contest.

POP CONCERT—Tauno Hannikainen will conduct the Chicago Symphony Orchestra in a pop concert to be given at 3:30 p.m. on April 18. Tickets may be obtained in Dean White's office any time before Saturday.

MATH CLUB—Two lectures of an elementary nature are to be presented by the Mathematics Club.

Tomorrow Jack Miller, graduate student, will speak on "Mathematical Theory of Limits," developing simple concepts used in the foundation of analysis, at 11 a.m. in 118CB.

Dr. Lester R. Ford, chairman of the mathematics department will present a discussion of "The Solution of Equations by Successive Approximations" on April 15 at 11 a.m. in 115CB.

WESTERN SOCIETY— An election of officers was held at the meeting of the Western Society of Engineers Thursday.

Bob Hamilton. who was elected president, will be assisted by Ken Lewis, vice president, and John Doering, executive secretary.

PHYSICS CLUB—A. G. Meister, assistant professor of physics, will speak at the Physics club meeting 11 a.m. tomorrow in room 300P.

Professor Meister, who is in charge of spectroscopic research here, will speak on various phases of spectroscopy.

PHOTOS—Photographs taken for use in the 1948 Integral are available to students pictured. The prints can be obtained in the Integral office.

PI DELTS—Pi Delta Epsilon, honorary journalism fraternity, will hold a meeting 5 p.m. tomorrow in the *Technology News* office. The purpose of the meeting is to discuss the annual Publications banquet for staff members of the Integral, *Technology News* and Technette.

Pledges for the fraternity will be selected at the meeting.

KIVA—The initial purchase of classical records of IIT's new record library will be made in the near future, announced Pat Kennedy, president of Kiva, campus cultural organization.

A tentative list of selections to be purchased has been drawn up and will be posted on the *Technology News* bulletin board. Students who are interested in the records are asked to register approval or disapproval on the opinion sheet to be posted with the list.

RADIO ENGINEERS—The Illinois Tech brand of the Institute of Radio Engineers will have its regular meeting 11 a.m. Tuesday in the auditorium of the Chemistry building.

A technical film on manufacturing processes involved in making radio tubes is included in the program.

Laying of the final plans for the Chicago IRE conference to be held April 17 will complete the meeting, and refreshments will be served.

ITFSA—An informal gathering of members of the Illinois Tech Foreign Students Association will be held at the home of their sponsor, Dr. Fritz Richter, 4605 South Woodlawn avenue, Saturday evening at 8 p.m. Refreshments will be served.

New officers of ITFSA are Pier Abetti, president; Pierre Krakowski, vice president; Fernando Rocha, treasurer; Narla Tata Rao, secretary; and Johan Ringstad, social chairman.

SCHOLARSHIPS—Scholarship examinations for high school students will be giveen May 15 under auspices of the admissions office. January 1948 or June 1948 graduates are eligible for the full year grants.

Water Fountain Runs Dry In South Union; Plumbers Too Busy To Avert Scandal

By Henry Holmes

Three weeks ago the well-used water fountain in the South lounge went on the blink under very suspicious circumstances. . . .It was only fifteen feet away from the coke machine. "It's simple business," so some students claimed, "No water—sell more cokes."

Out of commission four times in the last three weeks, the "water fountain scandal" called for investigation. . . .But after tedious effort on the part of *Technology News* Investigators it was found that Frank C. Harriman, cafeteria manager, has no relatives in the Maintenance department.

Walter J. Pardunn, head of that department, stated, "A large rush job has forced the plumbing staff to bypass smaller work." However, he promised prompt action. Monday morning saw plumbers hard at work repairing the fountain. —At noon water flowed once more.

Soph Dance Slated For April 21 In NU

Ted Leonard's band will play for the sophomore-sponsored dance on April 21 in the North Union.

The dance will follow the evening performance of the senior burlesque and will last until 1 a.m.

The entire North Union has been reserved for the evening. Ray Van Zelst, sophomore class president, stated that the cafeteria will remain open the entire evening. Everyone is invited to attend the dance which is part of the Junior Week activities. Intermission entertainment, including the finals of the fashion show, is also planned.

"More girls than ever before" were promised by Van Zelst. Invitations have been sent to nursing schools and colleges, and high school seniors have also been invited.

"Dentyne Chewing Gum!"

"Too good to miss—that's the way I react to Dentyne Chewing Gum's grand flavor! And let me point out another fine thing about Dentyne—it helps keep your teeth white."

Dentyne Gum—Made Only By Adams

"THE BEST IS YET TO BE"

The telephone will be seventy-two years old this year. Its development within a single lifetime has been a modern miracle. Yet it is only the beginning.

There are any number of men in the telephone business today—some just starting out—who will see greater progress than the past has ever known.

Year by year the next half century will be increasingly theirs. New leaders will appear from among them. Step by step, rung by rung, they will mount the ladder to the top. For telephone management is employee management and comes up from the ranks.

There will be more good jobs for qualified men in the telephone business in 1958 and 1998 than now. It just can't help being that way. For of all the businesses and professions, there are few more interesting and necessary.

So the future is bright for those who make telephony their life work. For them, "The best is yet to be."

BELL TELEPHONE SYSTEM

Techawk Trackmen Win Triangular Meet

Morton Junior College, Navy Pier Victims As Hawks Take Five Events

The Scarlet and Grey track team piled up 56 points to win a triangular meet March 27 at University of Chicago fieldhouse. Morton scored 44 points and Navy Pier tallied 30.

Placing in every event except the pole vault, the team put a fitting close to the indoor track season and turned their efforts toward outdoor competition.

Harrison Leads Scorers

Arnie Harrison, versatile co-captain for IIT scored 11¼ points in five events. Milt Cox was the next highest scorer with 9 points in four events.

Owen Dykema first crashed the win column for the Techawks in the mile with a thrilling performance. Rogers of the Pier built up a 70 yard lead in the first quarter mile and still had 35 yards of it in the last 220 yards when Dykema cut loose with a sprint to win by five yards. Jim Davis placed third to add two more points.

Upset of the day was Harrison's defeat in the broad jump which was won by Hlavin of Morton. Cox also edged Harrison to give us second and third. Harrison came back to take second in the dash. Cox came through in the high hurdles with a third, while Ben Sutton won the quarter with Walt Coniff in third place.

Sauer Outstanding Performer

Best individual performance of the day was turned in by Jim Sauer when he won the half mile. Sauer took the lead at the start and was not threatened as he finished in 2:033. Tech piled up points in this event as Bill Cahill and Dick Durand took third and fourth respectively. Harrison and Cox then finished second and third in the low hurdles.

Continuing to show strength in the distance events, Tech scored heavily in the 2 mile run. Jim Jantzon set a fast pace only to be passed up by Al Ashurst to give Tech first and second while Wally Kohler took fourth.

IIT Wins Relay

The high jump was won by Condon of the Pier but Cox joined in a three way tie for second to score in that event. Piha of Morton won the shot put with a toss of 38' 58" with Harrison placing third and Gautier fourth.

The Techawk mile relay team of Harrison, Sutton, Sauer and Conniff won, with Navy Pier second and Morton third.

Harrison led off and opened up on the second of his two lap leg to give Sutton a three yard lead. Sutton was challenged four times by Ewell of the Pier, who was second in the quarter, but Ben held him off to pass the lead to Sauer. Sauer turned in another fine performance, opening the gap to about 25 yards. Conniff then brought the team home in the time of 3:40.

Navy Pier will be host to the Techawks in their opening meet of the outdoor season April 17th.

Summaries

Mile Run—Won by Owen Dykema (IIT), Rogers (NP) second; Jim Davis (IIT) third; McGinnis (NP) fourth. Time 4:50.

70 yd. Dash—Won by Toriello (MJC); Arne Harrison (IIT) second; Mittlacher (NP) third; Delestowitz (MJC) fourth. Time :07.5

440 yd. Run—Won by Ben Sutton (IIT); Ewell (NP) second; Walt Conniff (IIT) third; Belsan (MJC) fourth. Time :54.2

Broad Jump—Won by Hlavin (MJC); Milt Cox (IIT) second; Harrison (IIT) third; Wolf (MJC) fourth. Distance 20' ⅝"

70 yd. H.H.—Won by Wolf (MJC); Miller (NP) second; Cox (IIT) third; Jurin (NP) fourth. Time :09.6

880 yd. Run—Won by Jim Sauer (IIT); Jenkins (NP) second; Bill Cahill (IIT) third; Dick Durand (IIT) fourth. Time 2:03.3

70 yd. L.H.—Won by Wolf (MJC); Harrison (IIT) second; Cox (IIT) third; Jurin (NP) fourth. Time :08.5

2 mile Run—Won by Al Ashurst (IIT); Jim Jantzon (IIT) second; Fay (MJC) third; Walt Kohler (IIT) fourth. Time 10:50.8

High Jump—Won by Condon (NP); Cox (IIT), Miller (NP) Hlavin (MJC) tie for second. Height 5' 8"

Shot Put—Won by Piha (MJC); Bouley (NP) second; Harrison (IIT) third; Bob Gautier (IIT) fourth. Distance 38' 5⅛"

Mile Relay—Won by Illinois Tech (Harrison, Sutton, Sauer, Conniff); Navy Pier, second; Morton, third.

Softball, Track Open Spring IM Program; Make Entries Now!

By Ed Jennings

Illinois Tech's intramural department has announced plans for two events in its spring program. Heading the list is the IM softball league which will get underway Friday. There will be no departmental restrictions on teams, but, if possible, competing men are to be of the same college year.

All a prospective ball club must do to enter is turn in a roster along with the names of the team and the hours available for play. Teams are also requested to indicate on the sheet in the gym office their preference with regard to wearing spiked shoes.

If past performance is anything to judge from the IM department will do an excellent job on this latest undertaking, since IM football, basketball and volleyball were all successful.

During Junior Week the IM department will sponsor a poor man's Tech relays with medals awarded to the victors in the individual and relay events. Awards will be made only to those winners observing the rules of fair play.

The best way to enter is to form a team with entries in as many of the events as possible, thereby making the competitive spirit all the more keen. However, any and all individual entries will be welcome. Events scheduled are the 300, 600, and one mile runs, the 50-yard dash, broad jump, high jump, 16-pound shot put and a 1200-yard relay. To enter, merely sign the list in the gym office. Entries will not be accepted after Monday. If an insufficient number of entries are turned in for the track meet, then some other event of an invitational nature will be planned.

BATTER-UP. First sign of spring is the beginning of the softball season. Eager-beavers practise for the coming IM tourney despite poor condition of Ogden field.

Meeting Of Golf Team Friday; Elimination Matches Scheduled

Aspirants for the varsity golf team will attend the next general meeting which will be held in Room 319 at 11:00 a.m. Friday, April 9. The discussion will pertain to matter concerning the two practice games and the arrangement of transportation to and from all matches.

In effect, the practice matches will be elimination trials. Contestants must supply their own golf balls and must pay the green fees for these two games.

Sam Bibb, coach of the Tech golfers, expressed hope that as many men as possible participate in the elimination meets. These meets will take place at Westgate Valley, the new home course located at 131st and Ridgeland road. Return matches will also be held here.

Golfers who score in the 80's are the ones most sought. However, all those interested are urged to try out.

All candidates must furnish their own clubs. Non-golfers who own cars, and would be willing to chauffeur players to and from the matches are invited to attend the meeting.

The schedule which follows is not a complete list as some additional dates must be confirmed.

GOLF SCHEDULE

Saturday, April 10—Practice
Thursday, April 15—Practice
Saturday, April 17—Lake Forest, there
Thursday, April 22—Elmhurst College, there
Saturday, April 24—Loyola U., there
Saturday, May 1—U. of C., there
Thursday, May 6—North Central, there
Saturday, May 8—Triangular meet with Bradley U. & Western Michigan, here.
Thursday, May 13—Northern Illinois College of Optometry, here
Thursday, May 20 — Triangular meet with Elmhurst College & Lake Forest, here.
Saturday, May 22—Triangular meet with U. of C. & Wayne U., here.

Wolves, New IM Champs, Thrive On Youthful Players

The accent of the newly crowned intramural champion Wolves is on youth. All ten members of the team, which pulverized its way over twenty-three opponents to win the tournament, are in their sophomore or freshmen years. Mainstay of the team is tall, 6' 3", Fred Woeller, a sophomore, whose 75 points topped all scorers in the tournament for the second consecutive year.

Only three members of the champion team were on the Wolves last year. This veteran nucleus of Larry Shapiro, Ed Jennings, and Tom Murphy is augmented by Woeller and Bob Ockerland of the 1947 NROTC champions and Chuck Oldenburg, Ralph "Wrong-way" Kravis, Whitey Wallin, Joe Bass, and Ray Van Zelst.

In winning the tournament the fast-breaking, rangy Wolves won nine and dropped one game. Their main strength was under the backboards where Murphy, Oldenburg, Woeller, and Van Zelst, all over 6', could be used to best advantage. The speed department was manned by Shapiro, Kravis, and Ockerland. Jennings, Wallen, and Bass specialized in ball handling.

The Wolves' best performance of the season was a 47-11 thrashing of the Schnooks, in the first game of the tournament. They won their next five games before losing to the Fire Protects. They defeated the Fire Protects in a return game and qualified to meet the "A" division champs, the Chem Grads. They whipped the Grads soundly 33-26 for the title and the handsome Intramural Medal awarded to each player.

Next year, the Wolves plan to remain intact as a team, and have high hopes for annexing a second championship.

Donald J. Atkinson* Switched to Wildroot Cream-Oil Because He Flunked the Finger Nail Test

WHY ACT like a donkey just because your ears are pointed? Don't "burro" your roommate's bottle : . . of Wildroot Cream-Oil, that is! Get some for yourself. See how it grooms your hair neatly and naturally without that gooey look! See how quickly it goes to work relieving annoying dryness and removing ugly, loose dandruff! Wildroot Cream-Oil hair tonic is non-alcoholic — it contains soothing Lanolin. Helps you pass the Fingernail Test. No wonder Wildroot Cream-Oil is "again and again the choice of men who put good grooming first!" Get a tube or bottle today at any drug or toilet goods counter. And ask your barber for a professional application.

* of 38 Deumant Terrace, Kenmore, N.Y.

A LITTLE MINUTE FOR A BIG REST

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Chess Generals Vanquish Foes On Checkered Battlefield

By Mel Friedlander

What IIT lacks on the athletic field they more than make up in mental prowess. This fact can be readily attested by the string of victories the chess team has scored. As a matter of fact, the stealthy movers of pawn and king have never been defeated in collegiate competition. Their only loss, since the team's organization has been to the Hyde Park Y.M.C.A.

This defeat occurred during the Chicago chess championship playoffs. Hyde Park went on to take first team honors. The Techmen placed third, but not until Roger Newlander of IIT had beaten the Parkmen's star player, Albert Sandrin, Jr. Sandrin is the present state champion, and this was the only tournament game he lost.

Seek New Victories

At the present time, the team is looking for more crowns to add to their belt of checkmates. So far they have defeated Roosevelt college 4-3, Illinois (Champaign) 5-1, De Paul university 6-0, and Chicago (forfeit).

Clarence Kalenian, co-captain along with Kimball Nedved, has high hopes of continuing the present record. Kalenian was outspoken in his praise of all the players. "Every man is a star," was his feature comment.

Team Has Talent Galore

The group boasts of such men as Hal Kimball, former captain, who has, so far, been undefeated in intramural play; Harold Garbarino, undefeated in all inter-collegiate and city matches; Kimball Nedved, winner of two city matches; and Kalenian, the present defending intramural champion. Kalenian was also 8th place winner in the 48 state meet, and school checker king. Add to this impressive array of talent such men as Roger Newlander, 1943 Class A state champion; the two Levinsons, Herbert H. and Harold S., and one can easily see why Chicago would hesitate to accept a challenge.

Plans For New League

The team plans on forming an intercollegiate chess league, and individual awards of either letters or emblems has been sanctioned by ITSA. The first game of this kind would be played next September. De Paul university has indicated its willingness to join the league, and other competitors are being lined up. Kalenian remarked that new members are always welcome.

In addition to their team play, the members are now engaged in the current intramural playoffs. This tournament will last the entire semester and, at present, there are 18 members and non-members participating. The contestants are divided into two sections of nine men each. From these sections two finalists will be chosen to compete in the championship double round-robin games.

Netmen Hold Tryouts To Pick New Team

The Illinois Tech tennis team will hold the first inter-squad elimination games of the season at the Armour Square courts on Saturday afternoon. From these games a squad of 8 to 10 men will be chosen. The contestants will be divided into two groups, Scarlet and Gray. Bob Davis will captain the Scarlet, and Bill Radek will lead the Grays.

The first varsity contest for the netmen will take place on the 17th of April. Lake Forest will furnish the opposition. Shortly thereafter, on April 23, the Techawks will take on the powerful University of Wisconsin team.

Rifle Team Outscored By Maine U. Sharpshooters

The Illinois Tech rifle team lost to the University of Maine Foresters' rifle team in a very close match Friday night. The final score, out of a possible 2000, was 1,737 to 1,712. A request for a return match sometime this semester was mailed with the final score.

Wrestlers Finish With AAU Meet

Techawk wrestlers closed their season with participation in the Central AAU meet held at McKinley park Saturday, March 27. Of the ten Illinois Tech entries, Ron Ailara, Dean Levi, Norbert Walczak, and Ermon Smith each won their preliminary bouts. Ailara continued his winning ways to reach the finals.

In the championship event he lost a close bout by a 5 to 3 decision to Jim Asplund, unattached. Ron's second place medal is the third medal that he has earned in AAU competition. He won the 108 pound championship in 1943 and placed third in the same event in 1944.

Paul Schermeister, wrestling in the 175 pound class had the best season record among the Techawk matmen. He won all of his four bouts.

The team's record was not impressive as they dropped two meets to Navy Pier and one each to Bradley and the University of Chicago.

Coach Sonny Weissman has announced the recipients of the ten major and five minor letters awarded . . . They are: Ron Ailara, Julius Snyder, Paul S. Shermeister (captain), Joe Paul, Len Taussig, Ermon Smith, J. Fitzpatrick, Dean Levi, Harry Himmelblau (manager), and Bob Henry all received major awards, while Walczak, Fitzmaurice, Paluch, Keicher, and Ginter received minor awards.

Breeze by Shooting
Ben Sutton

The Techawk thinclads won a meet for the first time in two years when they topped Morton and Navy Pier. Their last previous victory came in the opening meet of 1946 and was compiled at the expense of Loyola university.

This latest victory gladdens the heart of your reporter from several angles. First of all, as a member of the team, there is the undeniable thrill of winning. Secondly, as a columnist, there is the satisfaction of having predicted the victory. This prediction was made six weeks ago in the issue of February 25.

Now if only the boys can live up to the prophecy for the outdoor season. I was, and I am, optimistic over our chances on the cinders.

Carl Matson

Jim Sauer is turning in the best performances of any Techawk since the wartime heyday when the navy was here. Meanwhile, Bill Cahill, Al Ashurst, and Dick Durand are all improving rapidly. The addition of Milt Cox who scores in several events has considerably strengthened the team.

Another fine prospect is Carl Matson who may be our best man in the 440 and 220. There are several other dash prospects and some new men in the field events. As soon as Arne Harrison recovers from his illness and ailments the team will be raring to go.

Popular "Sonny" Weissman has been invited to act as an official in the World Wide Army and Army Air Force boxing tournament. These are the army olympic trials. The preliminaries are June 2, 3, and 4. The finals, June 11.

The spring intra-mural program looks good from here. The starters are a softball and track tourney. What say fellows—organize your teams NOW.

The track team has a loyal supporter on the faculty in the person of Professor Glaves. Now if only some students and a few more faculty members would take an interest in Techawk athletics the teams might be inspired to more victories.

Spanish In Bogota
Summer 1948
70 days June 25-Sept. 2
$1,250

For Students Only

Student tour by air with sightseeing tours in Cuba, Jamaica, and Colombia. 35 days in Bogota attending summer school. Live in private homes. Literature, language, and civilization Credits, granted by Universidad de Colombia, may be transferred. Return trip via Cartagena, Barranquilla, and long stops and excursions in Panama, Costa Rica, Guatemala (Chichicastenango, Atitlan, etc.) and Mexico (Puebla, Taxco, etc.) Trip on Pan American 4-motor planes.

Tour Sponsored by Universidad de Colombia, Bogota

Address inquiries to
Prof. Jose Sanchez,
University of Illinois,
Navy Pier, Chicago, Illinois

DU PONT Digest
For Students of Science and Engineering

Many Theoretical and Applied Studies Behind Development of "Cordura" Rayon

Stronger, lighter tires made possible by teamwork of Du Pont chemists, engineers, and physicists

On the surface, the viscose process for rayon seems fairly simple. Cellulose from cotton or wood is steeped in NaOH to give alkali cellulose, which is treated with CS_2 to form cellulose xanthate. Adding NaOH gives molasses-like "viscose," which is squirted through spinnerets into a coagulating bath of acid and salt to form from 500 to 1,000 filaments simultaneously:

$$\underset{\text{(cellulose)}}{R^*\text{-OH}} + \text{NaOH} \longrightarrow \underset{\text{(alkali cellulose)}}{\text{R-ONa}} + H_2O$$

$$\text{R-ONa} + CS_2 \longrightarrow \underset{\text{(cellulose xanthate)}}{\text{R-O-C(=S)-SNa}}$$

$$\text{R-O-C(=S)-SNa} + H_2SO_4 \longrightarrow \underset{\text{(cellulose)}}{\text{R-OH}} + CS_2 + NaHSO_4$$

$$R^* = C_6H_7O_2(OH)_2$$

Du Pont scientists were working to improve on the properties of rayon made by this process when, in 1928, a rubber company asked for a rayon yarn that would be stronger than cotton for tire cords. The problem was given to a team of organic, physical, and analytical chemists, chemical and mechanical engineers, and physicists.

Theoretical and Applied Studies

In developing the new improved rayon, a number of theoretical studies were carried out: for example, (1) rates of diffusion of the coagulating bath into the viscose filaments, (2) the mechanism of coagulation of viscose, (3) the relationship between fiber structure and properties by x-rays, and (4) a phase study of spinning baths.

Concurrently, applied research was necessary. This proceeded along many lines, but the main problem was to perfect the spinning technique. It was known that a short delay in the bath between the spinneret and the stretching operation allowed greater tension on the filaments. Du Pont engineers, therefore, designed a series of rollers, each revolving faster than the previous one, to increase the tension gradually.

In addition, a textile finish was developed that combined just the right amount of plasticizing action and lubricating power, allowing the filaments to twist evenly in forming the cord. A new adhesive was prepared to join the yarn with rubber. New twisting techniques for cord manufacture were found, since the usual methods caused loss in rayon strength.

Engineering Problems Solved

Chemical and mechanical engineers were faced with the design and operation of equipment for more than 15 different types of unit operations. Equipment had to operate every minute of the day, yet turn out perfectly uniform yarn. It was necessary to filter the viscose so carefully that it would pass through spinning jet holes less than 4/1000th of an inch without plugging. Some of the most exacting temperature and humidity control applications in the chemical industry were required.

Out of this cooperation among scientists—ranging from studies of cellulose as a high polymer to design of enormous plants—came a new product, "Cordura" high-tenacity rayon, as strong as mild steel, yet able to stand up under repeated flexing. Today, this yarn is almost 100% stronger than 20 years ago. Tires made with it are less bulky and cooler running, yet give greater mileage under the most punishing operating conditions. In "Cordura," men of Du Pont have made one of their most important contributions to the automotive industry.

Determination of spinning tension by C. S. McCandlish, Chemical Engineer, Northwestern University '44, and A. I. Whitton, Ph. D., Physical Chemistry, Duke University '35.

Questions College Men ask about working with Du Pont

How are new men engaged?

Most college men make their first contact through Personnel Division representatives who visit many campuses periodically. Those interested may ask their college authorities when Du Pont men will next conduct interviews. Write for booklet, "The Du Pont Company and the College Graduate," 2518 Nemours Building, Wilmington 98, Del.

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Rayon spinning machine. The spinning solution is pumped through a spinneret immersed in a hardening bath. Filaments are guided over a rotating glass wheel and down into the whirling collecting bucket. Inset shows close-up of spinneret; each hole forms a filament.

Annual Power Conference Under Way At Sheraton Hotel

In progress today, and continuing through Friday, the Midwest Power conference is being held at the Sheraton hotel.

Senior ME's and EE's are excused from all classes to attend the conference for the three days; Junior EE's will be excused all day tomorrow, and Junior ME's all day Friday.

Dr. Edwin R. Whitehead, secretary of the conference and head of the IIT electrical engineering department, emphasized last week that there is no registration charge for IIT students attending the conference.

The Midwest Power conference is sponsored by Illinois Institute of Technology in cooperation with nine other colleges and universities, and also nine professional engineering societies.

More than 80 leaders in the fields of power generation, distribution, and consumption are taking part in the conference. The subject matter includes developments in heating, diesel power, electrical measurements, the gas turbine, hydropower, and fuels and combustion, among many other topics.

All students attending the conference are required to sign at the registration desk in order to be officially excused from classes.

'Labor Arbitration' Theme Of BE Discussion

Today's meeting of the Business and Economics club will feature a discussion, "Arbitration of Labor Disputes," by John Day Larkin, dean of the liberal studies division. The talk will be given at 11 a.m. in 7B2.

Dean Larkin will explain three methods of settling disputes: arbitration, mediation, and conciliation. He will emphasize arbitration, as he has had extensive experieence in that field.

Dean Larkin will also stress the fact that an arbitrator is normally a judge whose decisions cannot be appealed or reviewed by a higher authority.

WHAT IS A GRADE? If you're in doubt about the benefits of our grading system don't quit school—read the Guest Editorial on page two.

Goldsmith Named Feature Editor

Donald Goldsmith has been appointed feature editor of *Technology News*, effective April 2, announced Sherwood Benson, Editor-in-chief. The appointment filled the vacancy created when Jack Wolfe was transferred to the position of Make-up editor.

Don Goldsmith

The new feature editor joined the staff as a feature writer in April 1947. He served as exchange editor for the Collegiate World column. At the conclusion of the 1947 fall term he was appointed assistant feature editor.

Goldsmith entered IIT in September, 1946. He is majoring in business and economics under the business administration option. He is a member of Sigma Alpha Mu and the BE club.

New English Course In Fall

The liberal arts division will offer a new humanities elective for the coming semester, according to Dr. Howard P. Vincent, chairman of the department of language, literature and philosophy.

This new course, which is entitled "Modern European Literature in Translation," will be a study of the writings of the great authors of the preceding one hundred years.

TECH TIMETABLE

Items appearing in the Tech timetable are those which have been scheduled with the Dean of Student's office.

WEDNESDAY, APRIL 7
- BE club, 11 a.m., 7TB2
- Newman club, 4:30 p.m., Faculty dining room
- Newman club, 5 p.m., MC aud.
- Pegis club, 5 p.m., Navy conference room
- Sigma Alpha Mu, 5 p.m., 203MC
- All sororities, 5 p.m., North Union aud.

THURSDAY, APRIL 8
- Freshman Health lecture, 11 a.m., North Union aud.
- Math club, 11 a.m., 118CB
- Pi Nu Epsilon, 11 a.m., Music office
- ACS, 5 p.m., MC aud.
- Pi Delta Epsilon, 5 p.m., *Technology News* office

FRIDAY, APRIL 9
- Golf club, 11 a.m., 319CB
- Chess club, 4 p.m., South Union lounge
- Sophomore social committee, 4 p.m., executive conference room
- SAM, 5 p.m., 214C
- Sigma Kappa, 5 p.m., Navy conference room
- ASME, 7 p.m., North Union lounge
- Phi Beta Pi dance, 8 p.m., North Union aud.

SUNDAY, APRIL 11
- Delta Zeta reception, 2:30 p.m., North Union aud.

TUESDAY, APRIL 13
- ITVets, 11 a.m., MC aud.
- EE Open House committee, 11 a.m., 105C
- IRE, 11 a.m., CB aud.

WEDNESDAY, APRIL 14
- Newman club, 4:30 p.m., East dining room
- Newman club, 5 p.m., CB aud.
- Pegis club, 5 p.m., Navy conference room
- All sororities, 5 p.m., North Union aud.

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