Petition deadline Monday; students vote 13th-14th

Petitions of candidates for the all-school elections must be turned in to the secretary in the dean of students office by 5 p.m. Monday. Although at the present time there has been a shortage of interest among the students, all petitions for the ITSA junior member at large and for some of the ITSA council members, of petitioners for the ITSA junior member at large and for some of the ITSA council members, nevertheless the other offices have been hotly contested and have accounted for the 40 petitions received by the ITSA election committee.

The deadline for the office of the election is still available on the ITSA office on the second floor of the Student Union. To be an eligible candidate for the election, the student must not run for any other office while running for the office. The student must also be a registered voter.

The election will be held on the day of the ITSA, the 14th, and the student body eligible to vote will be determined by the election committee.

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Basketball team needs backing of students let's help them out

Once again Illinois Tech is embarking on a basketball season. Once again the question mark is written in the sky. With the Scarlet and Grey have a successful campaign?

Two major points stand in the way of the answer.

The first, naturally, is the team itself. The answer here is easily found. The talented team with Cheryl, Glancy has yet directed will take the floor against Glancy. From day to night. With talent like that of Leser, McCut, Gardner, Delkoo, Byerwalter, and all the other, the natural ability and will to win are definitely present. Possibly lacking some experience over other teams, the talent and fight will overcome most obstacles in their path to victory.

Secondly, the schedule confronts the cagers. With teams such as Wheaton, DePauw, Carroll College and Onalaska, the slate is indeed formidable. One thing is certain. Whenever they win, one characteristic—win or lose, they're good to watch.

So the problem is resolved. Regardless of the outcome, it is important to watch the development of the cagers.

So why not come out to watch the basketball team, yes—the swimmers and wrestlers, too; the boys on the teams work pretty hard to be their best—they deserve our support.

Remember how the boys feel—it's always easier to go out to see a game when you have a cheering section behind you. The boys can do we can do is give them our support.

Your government—your responsibility

Students government at IIT has arrived. Here, and at very few other places, student control of its own affairs is not in name only. Here, through our ITSA, the regulations, privileges, money, and programs which affect us are handled by us. We, the students, have not arrived in this enviable position by accident. ITSA was founded intelligently, encouraged by wise institute administrators and has thus far been fortunate enough to have good board members who represent the interests of the entire student body before either their own wishes or those of any particular organization to which they belong.

Speaking of the ITSA board, for the moment, it is composed of 16 people—14 students, a faculty representative, and an institute representative.

This year there are 16 people who will directly or indirectly spend over $20,000 of your money. Run your Junior Week Open House, sponsor your student organization, make sure the rest of your social calendar, examine the books of your organization, try to run your student union, appoint the editors and allocate the funds of your five publications, conduct your elections, handle your orientation week, and so on to infinity.

The point I wish to make is that these 14 students are or will be on a board, the actions of which affects you to what is unfortunately at times unrealized extent.

At this coming election you will, among other things, elect five members to this board. These members include the new junior member at large and the new presidents of the first, second, fourth, and sixth terms.

The first problem the Election Commission faces at each election is getting out candidates to run. Last year this problem became so acute that Doran Grasch had to arise in order to get candidates for one class.

There is no easy solution to what is this area Ted Spilth's problem. There is only the hope that more students will come to appreciate the valuable experience obtainable in student government; or the chance presented to one to give some good service to his fellow students.

Politics here at IIT is not so involved as to discourage anyone from throwing in his brief case. Positions are still being accepted for student government positions. Think it over.

Poll reveals errors in faculty rating

This year's APO pledge class has set up as its project a poll committee, the purpose of which is to conduct a series of polls on subjects and controversies of general interest to students. The first poll, as already reported, assistant manager of the cafeteria, when I asked him about the students' reaction to the new cafeteria. He explained in a beamed tone that the job is better and the presentation will be better after the holidays.

I interviewed Messrs. Harriman and Ballard, with their reputations as interior decorators at stake, to make their opinions known on gray and egg yolk walls attractive.

by the interviewees: Department heads should get a tabulation sheet of the instructors' ratings; instructors who teach both semesters of sophomore-course should be rated early in the first semester and again in the middle of the second; the dean of engineering should receive a report on the rating results from the head of each department.

So some of the suggestions volunteered by the interviewees: Department heads should get a tabulation sheet of the instructors' ratings; instructors who teach both semesters of sophomore-course should be rated early in the first semester and again in the middle of the second; the dean of engineering should receive a report on the rating results from the head of each department.
Oscar’s Little Puzzle

Chem Eng program cut; bust lab returned to FPE’s

New cuts in curricula were announced this week by John P. Makiewski, Registrar.

The Chem Engineers’ curriculum will be the most affected. The hours required for graduation have been cut from 152 to 140. This reduction was made by eliminating several electives and by dropping off one hour from Ch.E 305 and M.E. 431.

The F. P. E’s have suffered a change also. Bust Lab, C.E. 323, which was cut from the program along with Bust Lab, last spring, has been reinstated as a required course. This will affect all but the current fifth semester students who will be allowed to graduate without it.

This revamping brings undergraduate degree requirements in an average of 137 semester hours, the minimum course load in the chemical engineering department with 116 hours. Exceptions are the research, development, N.E.O.V., and teaching actions that range from 146 to 158 hours.

The revised curricula will go into affect immediately for all but the present seventh and eighth semester students. The pre-registration program is expected to take care of individual difficulties that may arise out of the changes. Students with advanced standings who are attributed by this revision will in some cases be allowed to substitute courses already taken to meet the new requirements.

This change is a further step in the administration’s effort to revitalize the studies hours-credit hours relationship and to emphasize basic rather than specialized study in the undergraduate program.

According to accepted standards, the average student puts in 36 study hours per credit hour, the desired course in 27 semester hours.

Slipstick No. 1

Definition of a one-legged virgin: Hopp-iron Charity.

Campus Interviews on Cigarette Tests

Number 7...THE RAVEN

“You can use my name...but don’t quoth me!”

Nobody’s pulling the feathers over this bird’s eyes!

He’s spent too many semesters in Psychology I. He knows — as any smart smoker knows — that you can’t make up your mind about cigarette mildness on one fast puff or a quick snuff.

A one-inhale comparison certainly doesn’t give you much proof to go on.

That’s why we suggest:

THE SENNIBLE TEST... The 30-Day Camel Mildness Test, which simply asks you to try Camels as your steady smoke — on a pack after pack, day after day basis. No snap judgments needed.

After you’ve enjoyed Camels — and only Camels — for 30 days in your “T-Zone” (T for Throat, T for Taste) we believe you’ll know why...

More People Smoke Camels than any other cigarette!
Dislikes big city but loves to work

By Alan Plaut
Well, we finally found a man who agrees with Technology News about the fact that it's too tough to trapeze up four flights of stairs to get to the "office."  

IHC assembly will honor Tech brains

The semi-annual Honors Assembly will be held Tuesday, at 7 p.m., in 110 C. The principal speaker will be Dr. Robert Bradley, the president of the University.  

"Players' searching for play director

Campus Players is sponsoring a "Student Director" contest in order to find a capable individual to direct a one-act play which will be given in January. The contest offers an opportunity to dramatically express oneself to play directing.  

Civil Service position open for engineers

The U. S. Civil Service Commission has announced examinations to fill an engineering position (in various locations), paying $4,000 and $6,400 a year. The position is located at the Wright-Patterson Air Force Base and the AF Specialized depot, Dayton, Ohio.  

Music groups set to begin Illinois tour

The music clubs, numbering approximately 11 in all, will make their first trip of the semester this weekend, leaving Chicago Sunday to give concerts in various cities throughout the state.  

At noon, Sunday, the groups will hold a reception at the Student Center. They will follow this with an evening performance in Rockford.  

On Monday morning they will leave Rockford for Dixon for a school assembly program. Following their program for the Dixon High School they will return to the school for lunch and then to Dixon for a tour through the plant.  

Next on the agenda is a visit to the Fulton plant, where additional refinements will be obtained. On their return trip that evening, the men will present an informal program at the Veterinary Hospital in Dwight.  

Play's premiere is a distant one, December 3, 1959.
Ammonia products find uses in field of chemistry

By Sam Welman

“Honey, what are we stopping for?”

“You look tired, but how about the ammonia? It’s not ready yet.”

Mars and Earth and you tell me we’re out of fuel. You pulled that on my girl friend last week, wise guy, so I came prepared—there’s a can of hydrazine in my purse; put a hog on the track and we’ll start rolling home before my father gets a heart attack.”

You have probably heard about hydrazine, but what about the ammonia? Ammonia is a compound similar to water except that it is more reactive and has the formula H₂N₂.

Fred. Harry E. Gannaway and Dr. Alton E. Case, under a grant sponsored by the Office of Naval Research, U.S. Navy, have been working on a more efficient way of making the jet and rocket fuel since June 1, 1949. The formula of the product is "The Phochemiccal Synthesis of Hydrazine from Ammonia in the Gas Phase."

You say you have a project you’d like to blow to kingdom come, or perhaps one of your favorites is just plain nuts and you’d like to straighten the poor boy out. Well, I’ll tell you what I’m going to do. I’ll steer you to a man who could help you.

He is Prof. Kresser Langer, and one of the compounds he is working on is CH₃CN which he claims is on the borderline of being a safe, healthy shattering explosive. Despite these measures, several accidents have occurred, mostly in the laboratory. In one accident, the compound exploded, killing one person and injuring several others. The compound is now in use as a propellant in rocket and jet engines.

The compound CH₃CN is a derivative of nitrile. Cyanide is the nitrogen analog of carbonic acid, and as such a strong base in the liquid system as NO₃⁻ is in the water system, it is a highly explosive substance. To date no safe method of handling it in its pure form has been discovered by the best chemists who are working on the problem.

Guanidine is made from urea, cyanamide, CuCN, and is a non-explosive fertilizer, but by treating it with ammonia, by forming guanidine with sulfuric acid, and further by incorporation of nitric acid, a widely used component in high explosives, is obtained. However, the primary purpose of this research project is to synthesize compounds containing cyanide and to determine their physical and chemical properties. The secondary purpose is to determine, if possible, the relationship between structure and explosive power in high nitrogen content compounds, and to synthesize high explosives.

It is evident that work on this project can get slightly explosive, and extreme care is taken in the lab to avoid "explosive accidents." This is accomplished by the use of protective clothing, face guards, the use of shingles, and handling only small amounts of the compound. (In the neighborhood of one gram.) Despite these measures, several accidents have occurred, mostly in the laboratory. In one accident, the compound exploded, killing one person and injuring several others. The compound is now in use as a propellant in rocket and jet engines.

LSA meets Tuesday

The guest speaker for next Tuesday evening’s Lutheran Students Association meeting will be Fred Krueger, a 7th semester Art major. Fred spent three months in Europe last summer and will talk on the Christian International Study Work camp which he attended.

All of the students at Texas are cordially invited to attend this meeting to be held at 8:00 in the executive conference room.

Get Set For Holiday Festivities with Arrow Formals

MAYFAIR—Has soft pique collar, bonnet and cuffs and comfortable new low collar button construction. $2.50

SHOREHAM — Classic "black"-tie shirt with medium point collar, semi-starched, pleated bosom and French cuffs. $6.50

Lynton’s

FOR ARROW UNIVERSITY STYLES

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in comfortable Arrow Formal Shirts

No struggle to go formal when you have Arrow dress shirts. They’re especially designed for comfort. You’ll see the Arrow "Shoreham" and "Mayfair" at important stores throughout the country. And now at your favorite Arrow dealer.

in comfortable Arrow Formal Shirts

ARROW SHIRTS & TIES

UNDERWEAR • HANDKERchieFS • SPORTS SHIRTS

in comfortable Arrow Formal Shirts
Basketball season opens Tuesday

By Ronnie Staur
The 1950-51 Illinois Tech basketball team will inaugurate its season against a strong Chicago Grizzlies squad at 7:30 p.m. Tuesday, November 30, in the Tech gym. Although most of the old players, Coach Ed Glancy, has promised another successful season. The loss of George Duke and John Cotton, though irreparable, will not prove to be disastrous to the Grizzlies' basketball fortunes.

A sharp group of rookies added to a line crew of veterans have been practicing day by day under Glancy's vigilant supervision. The starting five will consist of Captain Bob Lebow and Howard Garner at forwards, center Joe Byerley, and guards Bob McCue and John Hooyman. Bob McCue is the only one who cannot claim as feet for feet with Byerley's 6 feet, 5 inches. The latter, a freshman, has already impressed the管理者 that he finds himself starting instead of sitting out the opening games.

The team is composed of experienced players, he has been booking them in at a critical clip. His fighting spirit has also added to his store of experience.

Guard John Do Zuo, a transfer student from Wesleyan College, is another newcomer who appears high in Glancy's plans. John, who is 6 feet, 6 inches tall and a noted shot artist, is making good use of his talents.

Upsets rule final Prophets contest

By Les Kohansky
The football season has finally ended; so has the annual Pigskin Prophets contest. Last week's games finished in a 13-7 victory for Ohio State over Notre Dame on one of the worst contests of the year. Bill Johnson, the year's champion, was up against it. He had a difficult time scoring points. However, he played the game with the same amount of enthusiasm that he did last year.

Again selected the most valuable player.

Last year he played with the Eastern Division and did himself quite a reputation with his
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Goldie to perform at game

Art Campbell, "The Mexican Bombshell," will perform between halves of the opening basketball game of the 1950-51 season, against Chicago Tech College, Tuesday, January 14, in the well known trick shot artist.

In his amusing routine includes bounce throws, from his head as well as from the floor, plain and fancy dribbling and throwing with one and two balls, and other items to which words could do no justice.

Next best effort was made by Gerald Nowotny, sixth semester ECE, who also missed the ice game and lost his over the Texas Aggies.

Other winners of championships were Richard Bruggeman, Bob Ziebart, and Victor Kostromin.

Those who have won championships will be notified by posters at the ice game. Winners are asked to be patient, as the cigarettes will be distributed as soon as possible.
Swim team to face Pier Illini, Chicago in opener

The swimming team is pointing for its season opener, a triangular meet against Chicago and Navy Pier at the U. of C. on the afternoon of homecoming, December 8. The meet is expected to be a fairly easy victory for the powerful Chicago team, with the Teckhaw squad probably taking the runner-up position over the Pier. Chicago trounced all its opponents last year including HU and Navy Pier, and still has enough of their team back to form a nucleus for another strong squad.

Among the returning Chicago tankeriers are two boys who hold records for Chicago collegiate competition: they are Arthur Krey, 200 yard breaststroke and Gordon Rohr, 100 yard backstroke. They also claim the record breaking 100 yard medley relay team. The Pier's hopes lie chiefly with Bobby Scholz, a very good free style swim who took second place at the North Central Invitational meet last year in the 100 yard event. Tchik's big guns will probably be Earl Tchik in the breast stroke and Ted Erickson in the free style distance events. Both of these swimmers competed in meets during the summer and did quite well. Tchik turning in a fast 1:48.2 for the 200 yard back stroke, and Erickson having a head time of 2:08.5 for the 200 yard free style. These times are better than the School Track records and these, as well as the 100 yard medley relay, 100 yard back stroke, and 50 yard freestyle records, are in danger of being shattered before the season's end.

Len Carlston has been working hard in the breast stroke along with Jerry Zickelmann, and they may again supply a 1-2 punch in many meets this year. Bob Campell looks good in the backstroke and is capable of giving anyone a good fight in the 100 yard backstroke. The fancy diving event may see Tchik picking up a lot of points again this year with Evans Brown and Dick Bozen doing their stuff, but the loss of Ray Balch will still be felt in the tougher meets.

To round out the squad, sprinters Ted Spratt, Emil Valicov, and Tom Watson are sure to pick up points. Tchik has turned in good free style times, but to be a really good backstroke competitor must concentrate on that instead of crawl. The team's greatest weakness last year, and apparently again this year, is its lack of a top flight, consistent sprint man.

All home meets are held in the Valentine Boys Club at 3400 S. Emerald Ave, with admission free.

Sail club takes Chicago Illiota

The Illinois Tech Sailing club met and defeated four other colleges in the first annual Chicago Illiota held the weekend of November 10. The regatta, under the co-sponsorship of IIT and the University of Chicago, was held in the Technow's home port, the Columbia Yacht Club.

Participating teams in the two day meet were DePaul University, Purdue University, and the University of Chicago. The class of the first day's sailing found IIT nine points in the lead, with DePaul in second place. The Technow increased their lead another point Sunday to take the win, DePaul placing second and Chicago third.

Institute of Design student Shirley Proctor was the high skipper with 27 out of a possible 36 points, taking two first and three second places. The ice wind (temp. 35 F.) saved Proctor and the rest of the squad a drowning, the usual method of congratulating the winning team.

The Sailing club, one of the few school organizations entering in the ten competition, has a heavy spring schedule which includes trips to the University of Ohio, University of Michigan and other midwest colleges. A membership meeting is planned for early January.

Grebmlins near IM championship

Once again foul weather has wrecked intramural football play. For the past week Ogden field has been in poor shape, since it is now buried under a few inches of snow. This, plus the fact that more snow and cold the completion of the tourney is impossible. This means that the Gremlins, with four teams in as many anzues, are very near the 1M champions, as one of their victors was over the second place team by a point. While the weather has been given a bad break, this is if more snow falls on Ogden Field. The second place team lost to the Gremlins however, was by the slender margin of an extra point.

The Gremlins will meet this weekend to be the Flashes and Podunk A.C. The Flashes' record was marred by a loss and a tie, and Podunk won two of their three contests.

The Gremlins have shown winning form while taking their final victories. Jerry Tantam, Hank and Joe Lach, Jerry Mastman, Bob Dunn, and others, under the coaching of Wes Conn, will un

NO CIGARETTE DISCOVER
means MORE SMOKING PLEASUR!
Relax with girls and nature walks

By Henry Hendrie

Do you enjoy relaxing? Do you like to putter, go out on dates, collect bottle tops, or simply enjoy the feeling of ease and well-being when you abandon yourself to a good cigar and a pot of tea?

You do! The recent scientific surveys have turned up some pretty interesting information indicating that leisure is as important as work and must be taken seriously.

Dr. William C. Miller, a professor at the Illinois Institute of Technology, Chicago, Illinois, December 1, 1959

Low on dough? Scholarships rescheduled

Students now holding scholarships should check with the dean of students by Wednesday to renew their scholarships, if they wish to avoid the award being rescinded due to new financial information.

Mr. Hixon has announced that all scholarships will be rescheduled for the 1959-1960 year. Organizations in need of funds may be able to reschedule their scholarships to avoid losing them.

The awards are available to the students on a first-come, first-served basis. Since Wednesday is the last day that applications for grants and scholarships will be accepted, it is advisable for students to check with the dean’s office immediately.

Backstage No. 4

A sweet little old lady on a train was having trouble with some cardboard luggage. She approached a young man on the train and asked, "Can you help me with this luggage?" The young man replied, "Of course!" He then carefully placed the luggage on the floor and offered to help the woman unloaded it into the train car. The woman thanked him and continued on her way. The young man continued to do his job, however, and didn’t notice that the woman had already left the train.

The police department has announced that the man who helped the woman has been identified as John Smith. He lives in the same neighborhood as the woman and was working as a train conductor. The incident was captured on surveillance footage and the video has been released to the public.

The Model Aircraft club has announced that it will hold a ½ A control line event at 2 p.m. on December 1, in the Student Union. All model airplane enthusiasts are invited to attend.

The Westminster Foundation will present a feature-length movie titled "King of Kings" today at 7 p.m. in the Student Union. Everyone is invited.