Fall Conf. Members Plan Year
See Possible Change in ITSA Setup
by Barbara Harell

George Williams College Camp in Williams Bay, Wisconsin, rang to the cheers of about 45 Technologies and news last weekend as the 1962 annual ITSA fall conference opened at 9 p.m. in Meyer Lab. By that time the men had moved into one wing of the lodge, while cows and chaperones moved into the other.

ITSA President Norb Kaiser opened the first general meeting by assigning people to groups for discussion. After noting that members of the show International Relations Club planned to sponsor Model United Nations at Illinois Tech on November 17, however, since last week’s issue, please note the effect that there will not be an IRC Model United Nations "On our agenda is the administration’s official statement last month regarding a Model United Nations at Illinois Tech during the current academic year, and the review of understandings in scheduling and in view of the extremely short planning period, it has been found necessary to cancel present plans for a Model United Nations. The administrative officers of IIT expressed their desire to support such an event in the future."

Administration Cancels Present IRC Model UN

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Cerar To Open Doors Next Monday

Modern Library facilities will finally be available to the Cerar Library Monday with the long awaited opening of the John Cerar Library. The opening was made possible once the building was made available to the Cerar Library. The Cerar Library is the building where the Cerar, and will remain in circulation. Cerar books must be used in the building.

Retallata Calls For Improved High School Career Planning Programs

Last Monday, Illinois Tech’s administration announced an additional sum given to ITSA to augment the proposed budget for the fall.

The source of the funds is the President’s office expense budget, from which Vice-President Robert Nelson’s account and public relations gave a total of $600. The list of funds was drawn up by the Illinois Tech administration.

ITSA requested $2950 for Homecoming and received the full amount. Board members of $400 and $200. A fee of $270 was requested to hire a student accountant for the purpose of handling ITSA books and for revising the financial systems of other student organizations. $120 was granted.

The budget under which ITSA would have been forced to operate Monday, accoriding to ITSA treasurer Don Harvey, "would be a disaster and represent a cut beyond the bone."

Citing recent studies by the Engineering Manpower Commission, he said that a 45 per cent increase in the numbers of engineers and a 57 per cent increase in physical scientists will be required by 1977 in order to meet U.S. industrial and military needs.

While there has been a slight increase in the physical sciences, engineering enrollments have continued to decline considerably over the past five years.

Retallata cited estimates that more adequate guidance programs could increase enrollment by 500 per cent. Outlining the vital necessity to provide high school vocational counseling on a professional basis, Retallata stated that one of the reasons for the lag in engineering enrollments is that high school students are made aware of the opportunities in present-day engineering for exciting and creative careers.

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ITSA Shows Planning Cooperation in Fall Conf.

by George Hanover

Congratulations to ITSA for sponsoring a good Fall Conference! There was quite a bit accomplished for the coming year and for years to come. It is not my intention here to talk about things accomplished, but about the conference itself.

The members of ITSA and representatives of a few other organizations began their three day meeting knowing that this might very well have been the last Fall Conference. They knew they either had to prove the usefulness of the idea or forget it.

At the first general meeting on Friday night, everyone formed special committees to work out problems and make plans. Some of these meetings lasted until one or two in the morning.

The next general meeting was at 9 am the next morning. By this time much of the faculty and administration was there. They promptly went to work with the various committees that morning and afternoon. From the list of people invited to attend I could see that the Fall Conference was not planned at the last minute. People like Mr. Nelson, and Dr. Elliott, both Vice Presidents of the school, and Mr. Ritter, the school’s Treasurer, cannot be called on at a moment’s notice.

The way these men pitched in and helped, showed the strong interest they have in student affairs. The suggestions and ideas they offered proved to be invaluable and may cause a whole new look at the way student financing is handled.

By Saturday night most of the problems had been gone over by the individual committees. The last general meeting was called and each committee reported on what it had done. When this 3½ hour session was over some went to bed, too bad to do anything else, others went out for a few beers.

As it stands now, there is little doubt that there will be another conference. Again, congratulations to ITSA!

TN Urges Co-ordinating ITSA Financial Calendar With School

The recent ITSA Fall Conference at Lake Geneva pointed to the fact that ITSA, and other student groups should go on a fiscal year that is the same as that of Illinois Tech. If such a move had been made earlier, the problems encountered at the conference would have been solved. By problems, we mean the increase in student activity fees that was asked for by ITSA to engender promotion, and increase the scope of student activities.

Such a request for increased activity funds should have been made by ITSA to the time when the budgets for the institute were being considered. These were budgets for the fiscal year, beginning on the first of June.

We are greatly pleased and encouraged to see that action has finally been taken by ITSA to make fiscal year planning possible. Mr. Nelson’s statement to the conference group sums up the problem rather well. He said, “I am tremendously impressed with what you have done here ... but you don’t have any money ... the thing that was here should have been planned last spring.” Mr. Nelson is vice-president for institutional development.

If the students had a constitutional revision which are incorporating fiscal year budget plan, then it will be possible to have a complete all-school activity calendar at the start of the academic year in September. Fiscal year budgeting will require more ITSA cooperation with student groups when they plan events. At the same time, it will facilitate increases in student activities.

IRC Poor Planning, Judgement Condemned By Tech News

ITSA’s Fall Conference this year miscarried partly due to misinterpretation of facts, and general fumbling. Although the conference was well planned and had a lot of ideas on other campuses, these clubs are going lecturers, and the respect of the body and the student body. Why is this not so at Illinois Tech?

Granted, the group is young. But everyone has paid to a student hand- book and a copy of the ITSA constitution. Every student organization which is recognized and financially supported by ITSA is subordinate to ITSA and must submit all plans for approval to the Board. Within the last two weeks, IRC planned and released unannounced publicly on an event which had been approved only once before to ITSA, and this was last year, and merely as a thought, not a concrete plan.

In the general hassle over this event, IRC somehow managed to violate at least four regulations stated in the handbook and at the same time financ ed financially through ITSA or the administration, did not register it with the Dean of Students Office, and had not even been formally recognized by ITSA when publicity for the event was released.

It is not the purpose of this editorial to condemn IRC as an incompetent group, but to point out that this activity endangered future activities planned by the group. Tech News would like to see IRC flourish. But they will not unless rules are adhered to, to the letter. This campus can only benefit from the enthusiasm shown by IRC members. If it is properly planned.

Perhaps IRC’s minor mistakes were legitimate ones. Perhaps they honestly did not think that they were violating the previous mentioned rules. They, and the other student organizations, would do well in the future to remember that it is the function of ITSA to coordinate and direct student activities, so that the program presented for the entire campus is a unified one, and is set up with sufficient planning.

Dear George,

I am writing in response to the Tote Board article on October 5, 1962. Most of it I agree with. The ‘62 yearbook article is shallow and has little coverage on many other activities besides sports. Your article on the Integral being placed in the sports section was a point well made.

Lack of space in the yearbook is the same reason for eliminating any news about the Tech News. Mr. Love is the only person who published our April Yearbook. It was a blow who thought that I had “pulled off” from a criminal case who was the legitimate veins of the Brinks’ Robbery.

Thank you,
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tuition a problem?

LET'S TALK ABOUT BANK
FINANCING OF
COLLEGE EDUCATION

Helping students meet the cost of a college education is the function of our Education Department. The American National Bank and Trust Company of Chicago is a specialist in this field of financing for all types of educational expenses from tuition to books and any related costs. Up to $10,000 can be financed with repayment programs extending as long as 8 years. Life Insurance is provided to guarantee the completion of your education.

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ARF To Hold Symposium On Computer Applications

Featured at the 1962 Computer Applications Symposium will be the latest achievements in electronic data processing in the fields of medicine, industry, aerospace, and science. The Symposium will be held at the Morris Inn Hotel, in Chicago, on the 24th and 25th of October.

The Symposium, sponsored by the Armour Research Foundation of Illinois Tech will assemble leaders in the field to discuss views and experiences. The first day will be devoted to business and management applications, and scientific and engineering applications will be treated on the second day. Twelve papers on the increasing applications of electronic data processing will be used to provide information at this year’s CAS.

On October 24, Reed C. Lawver an Attorney at Law, practicing in Los Angeles, will be the luncheon speaker. Mr. Lawver will discuss the impact of computers in the legal profession.

On the 25th, Dr. Richard F. Cipperman will be the luncheon speaker. Dr. Cipperman, a member of the EDP Division, Honeywell, Wellesley Hills, Mass., will speak on “Data Processing Standards.”

Each daily session will be closed by a special panel discussion composed of the daily session chairman and the speakers for that day. The audience will be invited to participate in a question and answer period during these sessions.

Dr. Robert L. Ashenhurst, associate professor of applied mathematics at the University of Chicago, will be the chairman of the business and management applications session. Frank Wagner, director of plans and programs, will chair the engineering and scientific applications session.

UB to Present Iturbi at Tomorrow’s Show

Jose Iturbi’s piano music will resound at the HUB auditorium tonight at 8:30, as he entertains in the second concert of the Union Board Artist Series 1962-63.

Season tickets are still available, according to UB President, D. W. Haas. The cost for tonight’s concert and the remaining four is $5.75, payable in installments of $1.43. $2 by November 1, and $2.25 by December 1. Individual tickets are $1.25 at the door. Program of music includes: Chopin, Beethoven, Schumann, and a sonata from Scarlatti.

Iturbi is a pianist, conductor, composer, and motion picture actor. His repertoire for the evening ranges from classical to modern music, and includes romantic selections.

Orchestras and symphonies which Iturbi has conducted include the London Philharmonic, the da Silva Orchestra of Milan, and the Philadelphia Symphony Orchestra. Born in Spain, he received his formal musical education at the Paris Conservatory earning high honors.

Vice President Boyce Resigns Grad. Position

Dr. Joseph C. Boyce longtime Illinois Tech Vice-President for Graduate Studies and Research, and Dean of the Graduate School, will leave Tech in the latter part of November.

Dr. Boyce has accepted a position as assistant to the director of the Office of Scientific Personnel of the National Academy of Sciences-National Research Council, in Washington, D.C.

HUB to Show Movie On Green Grass Tomorrow

This Saturday evening, October 13, the UB’s Centre Cinema will present a double showing of “The Grass Is Green,” Sunday night’s attraction, presented by way of the Classic Comicona, will be “The Oracle,” an English-Italian comedy. Both movies will be shown in the HUB auditorium; however, Saturday’s showings will start at 7 p.m. while a single Sunday showing will begin at 8 p.m.

“Grass Is Green” is an English comedy by a sophisticated author that is sure to please. The movie highlights such well-known personalities as Cary Grant, Deborah Kerr, Robert Mitchum, and Jean Simmons. “The Oracle” is a French romantic story set in the mystical background of classical Greece. It is the third part of a famous trilogy by Anselm. The first two parts of the trilogy deal with the murder of King Agamemnon by his wife upon his return from the capture of Troy. The third part, “The Oracle,” involves the vengeance of Agamemnon’s son Orestes for his father’s death.

Tech Enrollment Decreased 5%; 1888 Undergrads

Illinois Tech has had a decrease in the number of undergraduate day students enrolled this fall. The present figure is 1888, as opposed to last year’s number of 1991. This is a difference of 5%.

This fall, the total enrollment is 7,109. 2,667 of these students are in the day division, 379 of which are graduates. Of the remaining 4,800 students, 923 are graduates.

In the day division, the engineering students still comprise the majority—there are 1,167 of them. The engineers are followed in number by the architects, planners, and designers, who number 249. Only 178 came here to major in liberal studies. Evening students are not classified according to their majors.

The closely-watched ratio of men to women has decreased. Last year the ratio was 26-to-one, but the fall of 1962 shows a ratio of 18-to-one. In the day division, there are 2,150 men and 1,177 women. The evening school is comprised of 4667 men and only 192 women.
ACTIVITIES

Noar Named Member Of "Science Writers"

Mike Noar, Illinois Tech director of press relations, was recently named a member of the National Association of Science Writers. He was also appointed to the Scientific Liaison Committee of NASW, according to Nat Hushettle, president of NASW, and science editor of the Washington Post. The NASW is an organization of top science and technology writers and editors in the nation. It is the only honorary association in the scientific field.

Recently, Noar served as publicity chairman for the 1962 National Electronics Conference, which took place October 8 through 10 at McCormick Place.

Women's Dorm Association To Sponsor Coffee Hour

A coffee hour for dorm women and their guests will be held in Carmen Hall "Fibbowl" on Sunday, October 14 from 3 to 5 p.m. It is being sponsored by the Women's Residence Hall Association.

South Dorm Council To Hold Beach Party

South Dorm council, at 2 p.m., many residents of the Dormitory South Wing will leave the campus for a beach party scheduled at Miller Beach, Indiana, by the South Dorm council.

Girls from Michael Reese and Presbyterian St. Luke's nursing schools have been invited free of charge, although each attending dorm student has been tabbed $1.25. The collection will go for a hot dog and marshmallow roast, together with all the pop they can drink.

The party is expected to end between 9 and 10 p.m., and the social chairman announced that there will be no swimming unless there are members of the pool bear club present.

Math Club Holds Lecture

Mr. Sidney Renner, graduate student of mathematics, will speak at the next meeting of the Illinois Tech Math Club. The meeting will be held at 4 p.m. next Tuesday, October 16, in room 301-MC. Mr. Renner will lecture on "Abstractions of Substitutions." Coffee will be served in Conference Rooms 301-302 of the HUB starting at 3:30 p.m.

Junior Class Officers of the Junior class will meet next Monday at 3 p.m. in Private Dining Room "C" of the HUB. They will discuss planning of class activities.

The last officer's meeting was held on Monday, October 1. Present at the meeting were the class advisor, Mr. W. A. Osterheim, instructor of physics; Frank Dean, junior class president; Paul Sverko, vice-president; Pete Polko, treasurer; Ronne Page, social chairman; Dick Swanson, secretary. Members of the Junior class may attend the officer's meetings.

AIEEE-BEE

On Tuesday, October 16, the Illinois Tech Student Branch of the Institute of Radio Engineers will hold a special business meeting for its members to discuss and vote on preliminary details of its membership in the Illinois Tech Branch of the American Institute of Electrical Engineers.

On the following Tuesday, October 23, the AIEEE Student Branch will hold a similar meeting for its members.

The merger of the two branches is inspired by the approved plans for merging the two international mother societies into a new society, the Institute of Electrical and Electronics Engineers—"AIEEE-BEE" for short. This combination will place it in the largest professional society in the world today.

Members are urged to attend the meetings of their respective groups.

Great new record offer ($3.98 value)...just $1.00 when you buy Sheaffer's back-to-school special!
Fred Astaire Studios Hold Dance Classes

Dance classes will be held each Sunday night promptly at 7 p.m. These classes are sponsored by the Fred Astaire Dance Studios in conjunction with Illinois Tech. The instruction will be held in the HUB ballroom and will end around 9 p.m.

Mr. Buddington, Associate Librarian for Current, checks arrangement of books.

WHAT TO WEAR TILL THE DOCTOR COMES

Now that you have studied and paid your fees and found your way around campus and learned to hate your roommate, it is time to turn to the most important aspect of college life. I refer, of course, to clothes.

What does Danse Passion desire for the coming school year? (Incidentally, Danse Passion is not, as many people believe, a fictitious character. She was a real Englishwoman who lived in Elizabethan times and, indeed, England is forever in her debt. During the invasion of the Spanish Armada, Danse Passion—not yet a Dame but a nurse, unlettered country girl named Moll Flanders—during the invasion, I say, of the Spanish Armada, this dour, shrewd girl stood on the white cliffs of Dover and turned the tide of battle by railing the drooping morale of the British foot with this stirring poem of her own composition:

Don’t be ugly,
Men of Britian,
Swing your cudgels,
We are not ugly.

Swash the Spanish,
And their boots,
Make ’em run,
Like goats on the roofs.
For Good Queen Bess
Drew sins, you know,
Make a wise
Of that Armada.
You won’t fail?
Knock ’em flat.
Then we’ll drink ale
And sing like that.

In 1589 she invented the laying here

As a reward for these inspirational verses Queen Elizabeth dubbed her a Dame, made her Post Lactanea, and gave her the Western Hemisphere except Delaware. But this was not the extent of Danse Passion’s service to Queen and country. In 1609 she invented the laying here, and she was awarded a lifetime pass to Chares Rivine. But the was not to end her days in glory. In 1612, she was arrested for overtly poising and imprisoned for thirty years in a cell of mahogany. This latter became known as Guy Fawkes Day.

But 1 degrees. Let us get back to campus fashion. Certain to be the rage again this year is the cardigan (which, curiously enough, was named after Lord Cardigan, who commanded the British fleet against the Spanish Armada). The cardigan is now one of this remarkable Briton’s creations. He also invented the shovel, the sword, and the crystal, all without which wakening, as we know it to-day, would not be possible.

But 1 degrees. The cardigan, I say, will be back, which is, I believe, cause for rejoicing. Why? Because the cardigan has been big packets in which to carry your Marlboro Cigarettes—

Cardigans or pullovers—-it’s a matter of taste . . . . And so is Marlboro a matter of taste—-the best taste that can possibly be achieved by experienced grocers and Mennonites—by science, diligence, and tender loving care. Try a pack.

Tech News Columnist Explains Moving Operation of Crerar Library "Stacks"

The Crerar Library moved its 750,000 volumes from its old location in the Loop to its new location at Illinois Tech in a very complicated but systematic fashion.

The books for the closed stacks were moved first. During the day, they were packed by the crew at the Crerar Library in large cardboard boxes called "milk packs". The boxes, three feet high and four feet long, were placed on dollies and rolled into the moving vans in the evening when the moving vans were allowed in the Loop area. The vans, rolling in the evening and at night, carried the books to the Illinois Tech location, where they were unloaded and carried into the basement via the service entrance of the new Crerar Library.

Shelves Taken Too

In packing the books at the old location, the shelves were lifted off the uprights and put in the boxes—six shelves to a box—with the books remaining on the shelves. At the Illinois Tech location, the boxes were slipped out of the boxes and hooked onto the uprights in the basement, which had already been installed. In order to facilitate the operation of removing the shelves, the shelves were numbered with pieces of colored tape on which there were black numerals from 1 to 500. A corresponding number was placed on the uprights at Illinois Tech. The number and color of a piece of tape on a shelf was then matched with the corresponding number and color of a piece of tape on one of the uprights. Six different colors were used in rotation. No explanation was provided for the

Please turn to page 9

BETWEEN HALVES... get that refreshing new feeling with Coke!

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FALL FLING
Discussions

Modern "Isms" Clarified for PS 420 Students

by Louis Will

One of the most difficult problems for American college students — and for most Americans — is understanding the different modern ideologies, which are known by their "ism" names. This problem is especially acute for the political science majors and the students in the PS 420 class.

The political science majors, if they are to get their degrees, must understand and comprehend the "isms" and the PS 420 students, if they want to pass the course, had better be able to tell the difference between communism and socialism and the other "isms".

Well, as usual, having the interest and welfare of my fellow students in mind, I offer them help in identifying the different "isms". None of you need bother to thank me, I offer this help gratis.

PARABLE OF THE ISMS

Anonymous

Socialism: If you have two cows, you give one to your neighbor.

Communism: If you have two cows, you give them to the government and then the government gives you milk.

Feminism: If you have two cows, you keep the cows and give the milk to the government, then the government sells you some milk.

New Dealism: If you have two cows, you shoot one and milk the other, then you pour the milk down the drain.

Nationalism: If you have two cows, the government shoots you and keeps the cows.

Capitalism: If you have two cows, you sell one and buy a bull.

The writer of this parable seems to have forgot two other "isms", colonialism and imperialism. Maybe the writer ran out of cows.

Thought from the mind of an insecure newspaper columnist:

Max Shulman gets paid for

Fencing Season Begins; Lessons Being Offered

On guard, lunge, parry and touch. As the fencing season progresses, such terminology often will be heard emerging from the gymnasium every Wednesday night from 6:30 to 9:30 pm.

This Wednesday, the first meeting will be held. Fencing lessons for beginners and advanced students may be arranged with professional fencing instructor Robert Appel.

Anyone desiring additional information should call Melvin Hoffman at 2-2622 after 6 pm on any weekday except Wednesday.

Financial Aid Offered To Senior and Graduate Men Students Who Need Some Financial Help in Order to Complete Their Education During the Academic Year and Will Then Commence Work.

Apply to STEVENS BROS. FOUNDATION, INC., A non-profit educational corporation 110-413 INSIGNIS BUILD. ST. PAUL 1, MINN.

The Bell System... Leader in Worldwide Communications... Will Interview

On Campus, October 16

If your field is engineering, mathematics, or physical science, examine the exciting opportunities for space age advancement with the Bell System.

The Placement Office will make appointments for interviews with representatives from the following companies:

ILLINOIS BELL TELEPHONE COMPANY — an operating company of the Bell System representing all Bell Telephone Companies across the nation.

BELL TELEPHONE LABORATORIES — world center of communications research and development.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY — Long Lines Department — builds, operates and maintains the world’s largest communications network.

WESTERN ELECTRIC COMPANY — the nation’s largest manufacturer and supplier of communications equipment.

SANDIA CORPORATION — design and development of ordnance phases of nuclear weapons.

This team will consider all qualified applicants for employment without regard to race, creed, color, or national origin.
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American Burger .................. .45
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Cheese Burger .................... .50
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French Fries ...................... .25
Roast Beef ....................... .40
Italian Sausage .................... .35
Polish Sausage ................... .40
Steak .............................. .60
Pork Tenderloin ................... .55

Half Deep Fried
CHICKEN with Fries ............. 1.50

Shrimp Burger .................... .50
Fish Sticks ......................... .45
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SHRIMPS
1/2 lb. ............................ .95
1 lb. .............................. 1.80

Home Made
ITALIAN LEMONADE
10 ................................ .10
15 ................................ .15
25 ................................ .25

Malts - Shakes ...................... .30
Sundaes .......................... 25 - .35
Splits .............................. .50 - .60
Sodas - Floats ........................ .30

HOUR S 11 A.M. - 2 A.M.

Conference
Continued from page 1
Department met with Public Relations and Alumni Commissions; Vice President Martin Elliott met with the Union Board; Vice President and Treasurer J. Rittenhouse met with the Publicity Board; and Assistant Dean of Students James Barnett met with the group discussing On Campus Issues.

Following lunch, the next general meeting was called to order at 1:20 pm. Vice President Nelson addressed the entire group, commenting on enthusiasm and willingness to work shown by all present. Committees met again after the general meeting, and prepared written reports to be submitted that evening for general discussion.

When the final meeting was called to order Saturday night, each committee read their reports. The following general policies were decided upon:

Social Committee (Merry Kaal) — The Social Committee will be formed for May 17 or 24. Beer will be handled by an authorized organization (with Dean's approval), and will be scheduled to be served on the night of Michael Reuss' dance. The Social Committee will also be responsible for providing a program and entertainment after the Social Committee meeting.

The final meeting of the Social Committee for the year will be held on May 17 or 24. Beer will be handled by an authorized organization (with Dean's approval), and will be scheduled to be served on the night of Michael Reuss' dance. The Social Committee will also be responsible for providing a program and entertainment after the Social Committee meeting.

Mr. Reuss will serve as chairman of the Social Committee.

Issacs Tells Reasons
For "Knowledge Box"
by Melvita Skvaril

"In the language of communication specialists, education in the United States suffers from a serious 'noise' problem. 'Noise' in this sense is anything which is not the message one intends on communicating. Our educational 'message' is lost in a torrent of competing messages issuing from various communications sources which were either new or unknown fifteen years ago.

These are the words of Kenneth Dale Issacs, Visiting Lecturer in the Institute of Design, in a paper on why he invented the 'Knowledge Box', the large blue box now located in the southwest corner of Crown Hall.

The paper continues: "With the invention of television and the incredible increase in scales which has taken place in publishing the situation has changed. The schools are merely units in the most vast and information network the world has ever known. They are no longer prime units as in the old days. . . . Because of this large scale change in our society our student. At the world he lives in today is fragmented by distractions and he finds it difficult to get down to the mundane work of studying and building his mind.

"At the best of student today is fractionate and impatient with an educational system which either teaches him the traditional tribal system of learning or student or more recently tries to reflect our uncertain social mores of love and togetherness by filling the schoolroom with a specious kind of good-foolness. . . . "In search of a method which is responsive to present conditions, in which I have worked for some years on an environmental concept of education. . . . "While he at design at Cranbrook Academy Issacs created a test educational environment cell, which is not hidden (as his present, only less complex).

His present environmental cell or 'knowledge box' consists of a cube, 12 feet square, with a light, proof door on one side and an entrance. Mounted on each surface of the cube, floor and ceiling included, are four films which project photographic images over all interior surfaces of the cube. Standing in the center of the cube the 'learner is' thus surrounded by images and it commands his attention and concentration. He concludes, "A free and mobile society has been and is in development in the United States. This new concept is an attempt to develop an educational system appropriate to our society.

SPACE, MISSILE & JET PROJECTS
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Assignments include the following areas:

- Servo-Mechanisms relating to all types of control problems
- Electronic Systems relating to all types of guidance, detection, control and communications
- Propulsion — relating to fluid-mechanics, thermodynamics, dynamics, internal aerodynamics
- Environmental — relating to air conditioning, pressurization, and oxygen systems
- Human Factors — analysis of environment affecting pilot and space crew, design of cockpit controls, instrument panels and pilot equipment
- Heat Transfer — relating to missile and space vehicle structures
- Structures — relating to cyclic loads, temperature effects, and the investigation of new materials, methods, products, etc.
- Aerodynamics — relating to wind tunnel research, stability and control
- Solid State Physics — relating to metal surfaces and fatigue
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INDIVIDUAL ON CAMPUS INTERVIEWS
with a Douglas representative Thursday - October 25

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S.A. Amathey, Staff Assistant to VP Engineering
Peeks at the Greeks

Kappas Plan Moonlight Picnic; BON Announces New Pledges

Kappa Phi Delta sorority will hold a "moonlight" picnic tomorrow at Karen Charles' cottage in Lake Geneva, Wisconsin.

Delta Zeta sorority will hold a mixer next Tuesday evening with Theta Xi fraternity.

Marc Lieberman, AEPi, has planned Ann Auerbach, while the Alpha Sigma announces that Ted Deutschman of the University of Illinois.

Sigmas Phi Epilson will hold a twist party tomorrow night.

Theta Xi will hold a picnic next Sunday with the nurses at Michael Reese Hospital. The fraternity's mascot, "Ginger," was born to six puppies two weeks ago.

The Phi Kappas will hold a forest party at Ottawa Trails forest preserve tomorrow evening.

Beta Omega Nu inter fraternity honorary announces the pledges of: Frank Kotschi, Ed Bremski, Bill LaGouge, John Kukloch, Dau Hervey, Terry Beal, and Ed Yates.

ONE OF THE FEW REMAINING GHOSTS from the past, Chapin Hall is scheduled to be purged from our fair campus some time in '64. Lewis Memorial Building, when built, will house Chapin's facilities. Nothing will go on the ground where Chapin now stands.

Pall Mall Presents-
GIRL WATCHER'S GUIDE

Baton Twirling HIGH-STEPPER

CAMPUS TYPE I

The High-Stepper is an ideal choice for Campus Type #1 for two reasons. First, she is a fairly common species—and second, she is easy to identify.

Just as the bird-watching beginner should concentrate on the Robin, Sparrow and Cardinal before moving on to more exotic species, the girl watching beginner should master the observation and identification of types such as the High-Stepper before progressing to rarer (and usually more difficult to identify) types.

As in all fine arts, the mastery of fundamentals is the key to art watching success. This mastery of fundamentals is put as important in the art of cigarette making. Taste Pall Mall and see what we mean!

Pall Mall's natural mildness is so good to your taste!

So smooth, so satisfying, so downright smokeable!
Researchers Use Slums For Fire Investigation

The first of several multi-storied apartment buildings was set ablaze on October 11 by the National Research Foundation. The building was destined for removal as part of the city's redevelopment program.

The fire is part of an extensive program, sponsored by the Federal Government, and is designed to aid in the knowledge of uncontrollable fires.

The purpose of the fire, which was initiated by Physics Research Division, is to achieve more reliable data on the rate and mode of fire spread through a building. The results of the experiment will provide valuable data leading to improved fire fighting equipment, techniques, and preventive measures.

Lab Fire Test

To obtain such data, the Foundation is carrying out analytical studies as well as laboratory fire tests on scaled models. However, in order to have some measure of confidence in the results of the analytical and laboratory studies, it is essential to carry out experiments on actual full-scale structures.

The building located on Chicago's South Side was made available to the Foundation by the Department of Urban Renewal of the City of Chicago. The experimental operation was conducted with the cooperation of Fire Commissioner F. J. Quinn and the Chicago Fire Department.

The experiment was fully instrumented to gain the required data. The instrumentation consisted of numerous temperature sensors properly distributed to measure the temperatures and travel of fire. It also included velocity-measuring devices located at external openings to indicate the inflow of air and outflow of gases resulting from the fire, gas sampling tubes, and radiometers placed at some distance from the building to determine the radiation heating intensity of the fire. A photographic record was made of the fire. To simulate realistic conditions, the building contained typical furnishings. The experiment consisted of starting a fire in one room, and then allowing the fire to progress freely throughout the building, as far as prevailing conditions permitted.

... Book Moving

(Cont. from p. 9)

closed stacks. Some of the books were placed face down on the shelves to provide more space per shelf.

The books for the open stacks were taken off the shelves in the Loop in sequence and packed in boxes 30 inches long and 14 inches high and moved to the Illinois location in the van. The van was left out of a window on the north side of the new building, and the books were carried into the building through the opening.

The moving operation, which began September 10, is now complete. All that remains now is to finish the vaulting and placement of the books on their proper shelves. This should take about a week. Mr. Buddington, assistant librarian at Cedar, said, that he expects to be open for business October 15.

What Kind of Man Handles a Business Venture Best?

A midwestern college audience recently heard this answer in a talk by A.T. & T. Board Chairman, Frederick R. Kappel.

"To us this is an important question because we hire nearly 3,000 college graduates yearly. To get an answer, we went to our own files and examined the records of nearly 17,000 people. We checked their comparative success against what he achieved in college.

"As a group, the scholars won handsomely. Of the men who stood among the top third in salary for their level of experience, more than half were also in the top third of their college class. Only a quarter were in the bottom third.

"And contrary to age-old beliefs, extracurricular activities proved a lesser indicator unless the individual had an outstanding achievement. More 'joiners' was not enough.

"The study indicates, as least as far as the Bell System goes, that there's little opportunity for college students who practice 'diplophia' — the belief that a diploma automatically leads to job success. Such thinking will not make telephone service what we know it can be.

"The men we want are men with intelligence plus those other attributes that give you the feel, the sense that they will make things move and move very well—men who want to excel and are determined to work at it.

"Nothing short of excellence will do."

FREDERICK R. KAPPEL, Chairman of the Board
American Telephone and Telegraph Company
Tech Provides Training For Satellite Communication

Bell Telephone Company engineers from 14 states and Canada have begun a one-year training program at Illinois Tech to prepare themselves for the era of satellite communications.

Two groups of 25 engineers will study at Illinois Tech on a four-weeks-on, four-weeks-off basis for six weeks. Illinois Tech is one of four schools in the nation picked by the Bell System for the project.

Bell Telephone hopes to train more than 1,500 selected people in electronic advance over the next several years.

Volunteers for the project must qualify by written tests in mathematics and electrical theory, complete a refresher course in math, physics and electronics, and pass additional tests in these subjects.

Most cadets are graduate electrical engineers, but a few non-college age men have qualified. Studies include electronics, circuit theory, wire transmission, engineering communications switching and sounds.

"Engineers out of school for five years or more find it increasingly difficult to keep pace with the revolution in the communications art," according to John H. Wetzel, Illinois Bell Telephone Company personnel engineer. "That's a must, is why these fellows are going back to the classroom." The program is designed for engineers and other technical people out of school 5-15 years.

Other schools picked for the project are Rensselaer Polytechnic Institute, Troy, N.Y., the University of Colorado and Washington University, St. Louis.

Twenty Illinois men are participating in the project at Illinois Tech. Eight are from Chicago. Others are from Montreal, Washington, D.C., Indiana, Michigan, Wisconsin, Virginia, Maryland, Ohio, Massachusetts, Maine, Missouri, Alabama, Florida, Missouri and Texas.

Hang Announces Employment Plan For Foreign Jobs

The International Association for the Exchange of Students for Technical Experience has again invited Illinois Tech students to participate in the overseas summer employment program, according to K. V. Hang, Assistant Dean of Engineering and Physical Sciences.

A similar program was conducted last year for Illinois Tech students. Students may obtain complete information and application forms in the office of the Dean of Engineering and Sciences, Hang's office announced.

SAM Sponsors Finance Games For Members

"Groszy Kid Stuff up, Bullmoose down," was the first news from the S.A.M. management games. These games, started September 25 by the Society for the Advancement of Management, are now in full swing.

In the first quarter, the collapse of the domestic market under the influence of increased foreign imports, resulted in major losses for all competing firms. Various pricelowering was the keynote of the second quarter, leaving the Bullmoose Corp. with major net losses of $215,936. Groszy Kid Stuff Inc. captured 32 percent of the market and was the only profit-making firm.

In the third quarter, Threatened Government Action and Conservative Business Planning restored competition.

Loans continued for four firms in the last quarter. Fly By Night, Ltd. went into the black for the first time in the game, and Groszy Kid Stuff Inc. emerged as the greatest profit-maker at the conclusion of the game.
Union Board Appoints Three to Chairmanships

Last Tuesday night the Union Board appointed three new committee chairman to their roster; Kathy Macdonald received the chairmanship of Transient Games, a committee which coordinates campus, inter-class competition, and similar activity.

Stu Weitzenfeld was chosen as Small Groups Chairman. He has been acting chairman and his first Jam Session last Tuesday was a "success" according to the board.

Triangle Wins Golf Tournament

Last Sunday, Triangle defended its golf title by defeating five other fraternities. The closest competition to Triangle was Alpha Sigma Phi who were three strokes behind. The tournament was represented by Rich Caruso, Al Kersten, Rick Kaye, and John Steckelberg.

The team totals were:

Triangle .......... 382
Alpha Sigma Phi . 385
Delta Tau Delta . 394
Alpha Epsilon Pi . 414
Phi Kappa Sigma . 443
Tao Epsilon Phi ..... 497

Tennis competition will begin this Sunday, October 14. The place of the event will be Grant Park, and the event will begin at Noon. The singles will be played on the following Sunday the 1st and doubles matches will wind up the tournament.

The IF football season will begin Monday in both leagues. In single IF Alpha Sigma Phi plays Delta Tau Delta at Sonny's Acres, and in league II, Phi Kappa Sigma plays Tao Epsilon Phi at Armour Square. Both games will begin at 5 pm.

I Read Tech News!

Pretty girl shows a smile and looks toward newsmen, anxiously awaiting her copy of TN.

100 Year Time Capsule Buried In Front of MC

Buried six feet beneath the lawn in front of the MC Building is a 1½" thick stainless steel container made by the Armour Research Foundation. This box, whose dimension are 16" x 16" x 3½" high, is a time capsule placed in the ground on May 1, 1953 by the ITSA Junior Work Committee. It is supposed to be dug up when Technology Center is completed, following its burial it was known as the 100 year time capsule.

Beta Omega Nu pledges at the time dug the 2½ x 3½" hole and filled it in following the ceremony at which both the AFROTC and the NROTC drilled and presented their colors during a drill parade.

Contents Listed

Various items were placed in the capsule as a message to Techhawks of the future. Included in the capsule were a 1952 Integral, a 1953-55 Tech Directory, papers by some of the fraternity, papers by members of the AFROTC and NROTC, a paper on student life on Tech's campus by Bernard Klein, Time Capsule Burial Chairman, a history of the time capsule by Bill Foggart, and a few copies of Tech News.

All of the items were coated with plastic to preserve them, and prior to burying the air in the capsule was evacuated and it was filled with nitrogen and sealed with a helium arc.

A cement marker commemorating the date of the burial and giving instructions for the opening of the capsule was to have been placed over spot where it is buried, but this was never done.

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why more people smoke Winston than any other filter cigarette.

Flavor does it every time—rich, golden tobaccos specially selected and specially processed for filter smoking!

Winston tastes good like a cigarette should!
Harriers Hopeful Of Win On Home Course Today

Last Saturday afternoon the Harry's cross-country team finished third out of four participating schools in a 3 1/2 mile race at Chicago's Lincoln Park. DePaul walked away with the meet, taking three of the first four places. DePaul was led by Ted Sloan, who set a new course record in a fantastic 15:32, while his twin brother took third place.

Wilson College finished second, Tech was third, and Bradley was fourth. However, Bradley only had two men running on their varsity team, and they had to forfeit the last three. Four freshmen from Bradley came along just for the exercise, and three of them bested everyone from Tech.

Finishing first for Illinois Tech was newly-elected captain John Love, followed one second later by Chuck Maitten. They finished seventeenth and eighteenth respectively in the race. Freshman Ron Glisberger moved up from last week to finish third for Tech, while Steve Jope dropped down to fourth. They were followed in by Paul Ralph Larson, Ted Petrowich, and Joe Potter, who was running in his first race.

Although Tech did not make what could be called a good showing in the meet, the competition was fierce, and the Tech men will meet all year. All three of this year's athletes are considered for athletic scholarships for running.

This afternoon at 4 p.m. the harriers will meet Concordia and Chicago Teachers Colleges in their first home meet of the year. Tech did not run against Concordia last season, but they did battle in a game that will start and finish at 32nd Street on the parkway between the Oster Drive and the Lake.

Wrestling And Swimming Teams Hold Meetings

At 12:15 next Tuesday the varsity wrestling and swimming teams will have their organizational meetings. Anyone not on school probation is eligible and welcome to try out for the teams. Anyone not able to make the meeting should see athletic director Sonny Weissman.

Swimming coach Ted Erickson (now nationally known for his world-record breaking win in two consecutive races) will have seven lettermen returning from last year's third 3-3 season. Erickson has been hit by the graduation of last year's co-captains Miller and Yongy, as well as the loss of Team Manager and last year's leading point man. Captain Bill Booth will lead this year's team, which is a 1-0-1 on schedule.

Wrestling coach Tom Berenson has seven lettermen back, led by captain Steve Sugnet. Only ex-captain Kevin Menges graduates from last season's 3-3 team.