Representatives of Quad
At National IFC Meeting

Illinois Institute of Technology became an official member of the Midwest Interfraternity Council Association early this semester. This organization consists of interfraternity councils of colleges and universities in the midwestern and southern states.

The organization exists to channel relevant information to the interfraternity councils of the participating members. MIFCA, only in its incipient stage, is already a source of pertinent information regarding problems facing the individual fraternities and their respective councils.

Dennis Delachaty, IIT Interfraternity Council vice-president, commented, "MIFCA, through its planned forthcoming meetings, hopes to establish a more extensive communication system with existing members as well as to foster the recruitment of members in the central states. In order to fulfill its desire to serve as a complete information system for the fraternity system, MIFCA feels expansion is a must."

Organized in the plains states as a link between the interfraternity councils of the various universities in that area, MIFCA has grown to be a valuable communications hook-up for the exchange of ideas that seem to be commonly shared with all 'frat councils.'

The main source of information is a newsletter that is distributed periodically. Each secretary of the various member councils is responsible for informing the MIFCA of its activities and its problems. In this way an open line of communication for the exchange of ideas exists.

At the recent meeting of the National Interfraternity Council Convention held in New Orleans, MIFCA became a formal organized organization. All campus organizations (IFC) of the midcentral universities were urged to join MIFCA for the benefit of the individual school as well as all schools in the region.

Mike Gozdowski and Dennis Delachaty, president and vice-president of the IIT Interfraternity Council, were this school's representatives at the national meeting.

Basically, the purpose of this meeting was to encourage more emphasis on action at the regional level. There was also an attempt to establish more regional organizations. Some of the large national fraternities erected their national offices.

Electors for positions on the IITSA Board of Control and for freshman class officers will be held Tuesday and Wednesday, Dec. 13 and 14. IITSA Board officials to be elected are the president, vice-president, secretary, treasurer, and assistant social chairman.

The freshmen will elect a full slate of officers—president, vice-president, secretary, treasurer, and assistant social chairman. Five divisional representatives will be elected—three engineers, one Arch-ID, and one Liberal Arts major. The freshmen will elect a full slate of officers—president, vice-president, secretary, treasurer, and assistant social chairman.

Five divisional representatives will be elected—one from each, and the Board members will serve one year terms. Pictures and speeches of IITSA Board and freshmen presidential candidates appear elsewhere in this issue.

A number of the candidates have past IITSA experience. Ver Ackire, running unopposed for president, has been engineering rep., and Dennis Milliron, running for engineering rep., is a past dorm rep.

Paul Gordon, running for assistant treasurer, is a past Elec. Commission chairman. Dennis Mickunas, running for engineering representative, has been chairman of the Student Investigating Committee.

Voting will take place in the HUB, the dorm lounge, Crown Hall, and at Sigma Phi Epsilon. Ballots will be open from 11:30 to 4:00 each day.

IITSA's preferential system of voting will be employed. Each voter will cast a ballot in each candidate in order of preference. If no candidate wins a clear majority of the first-place votes, the lowest candidate is dropped, and the votes are redistributed to the second names on his ballot. This process continues until one candidate receives a clear majority.

Ray Murrar, chairman of the IITSA Elections Commission, told Technology News, "There are a lot of well-qualified candidates for IITSA officers this year, and we are expecting a number of spirited races. I encourage all Tech students to exercise their franchise and go to the polls on Dec. 13 and 14."

Swingle Singers Will Perform
In UB Series Concert on Sat.

"Swingle Singers," a Parisian singing group, will present a concert here in the HUB auditorium tonight at 8:30 p.m.

Tickets for the concert are available at the HUB newsstand for $3.00.

Ward Swingle, the group's director and founder, brought the singers together in November of 1965. Swingle's and the singers' purpose was to produce a single album of music which they all enjoyed. However, their first record sold so well that they were soon giving concerts and their anonymity was lost.

French citizens, with the exception of Ward Swingle, make up the "Swingle Singers." All the members of the group had worked together in several of the recording studios in Paris before the founding of the group.

The "Swingle Singers" consists of four women, two sopranos and two altos, and four men: two tenors and two bass-baritones.

Jeanneke Basset, who studied at the National Conservatory of Montpellier, and Christine Legrand, who is the soloist of the selection "Sinfonia" in the album "Bach's Greatest Hits," are the sopranos.

Anne German, who provides the mezzo-soprano voice for the "Singers," Wagnerian selections, is one of the two altos. Alice Hargaid, who comes from a family of musicians, is the other alto.

Ward Swingle, originally from Mobile, Alabama, and Claude German, the tenors, while José German and Jean Cussec provide the bass-baritone sounds for the group.

The "Swingle Singers" concert is the third in the series of eight provided by Concerts Area of Union Board.

ITSA Approves
Literary Review, Names Chairman

$200 was appropriated at the ITSA meeting held Dec. 13 for the purpose of buying 1,000 copies of the Chicago Literary Review for the year.

The Chicago Literary Review, which is published by staffs of seven area colleges, will be distributed free of charge to ITSA students along with copies of Technology News.

In other news, the Board of Control approved President Robert Agans' appointment of secretary Richard Born, treasurer Steve Lipson, engineer Robert Davis Jr., and Agans to the Union Board's appointed Committee. These voting staffs and ITSA members will appoint next year's Union Board representatives.

Two more appointments were also made. Ray Murray was appointed over Harley Feldman as associate editor.
TN Urges Students To Change Abominable IIT Voting Record

According to constitutional provisions, voting is a privilege delegated to responsible citizens in order for them to select responsible leaders. There are over 2000 such "responsible" students at Tech, who, in theory, choose their leaders by this voting privilege.

Up until three years ago IITSA all-school elections saw on the average a thousand people casting their ballots. In the last three years, this average has dropped to approximately 600, less than 30% of the student body.

Call it lack of interest, apathy, or what ever you like, the situation is disgusting.

IITSA annually spends over $40,000 of the students' tuition money; the officers and representatives are responsible for the spending of this money. This alone should be reason for a student to want to select his representative through his vote.

Despite this fact, few vote. IITSA has gone to extremes to attempt to get students to vote.

In any national political election, voters can vote in only one location, on only one day.

Tech has four polling places, each in a central location on campus, and so placed for the convenience of the voters. The polls are also open for two days, a further convenience.

Technology News has had stories about the upcoming elections in the last three issues, and each of the candidates' platforms are in Technology News this week.

The important to vote is being pushed to its limit. The next logical step would be to pay or reward students to vote. If the present trend continues, it might be suggested that elections are unwanted or unnecessary. Instead, it might be more practical for those who hold offices to appoint their successors.

The Editorial Board of Technology News strongly recommends that the student body take actions to reverse the present voting trends.

ANNOUNCEMENTS

ASHE Dinner
The annual Mechanical Engineering Dinner will be held at 7 pm Wednesday, Dec. 14, at the Governor's Table, 31st and Halsted Ave. Mr. Donald Marston will be the speaker. All mechanical engineering students and faculty are invited. Those interested should pay their $3.00 to Vicky in room 100 MH.

ITIC Meeting
The Illinois Tech Investment Club will hold its next meeting on Wednesday, Dec. 14, at 2:00 pm in Room 119 EM. At this time several stocks will be proposed for possible purchase. All members are urged to attend.

GF Christmas Communion
The Gumsalus Foundation will sponsor a Christmas Communion service at 7:30 pm on Thursday, Dec. 15, in St. Savior Chapel. This service will include a special filmstrip meditation on the "Advent of the Christ" and music of the Christmas season. The service is open to all who wish to partake of the elements with no tests of church membership or confession of any particular faith required. The Gumsalus Foundation is an ecumenical protestant ministry sponsored by seven denominations.

LPP Department
The LPP Department has free tickets available for a concert featuring the Indiana University Opera Company at the Field Museum on Tuesday, Dec. 13, at 8:15 pm. The tickets are available in room 303 Chapin Hall.

PUB Board
Applications for positions on PUB Board are due in the Dean of Students office by Jan. 4.

Sunday Chapel Service
The choir of Wendall Phillips High School (39th and Prairie) will sing at the 10 am, noon, and evening worship service of the Gumsalus Foundation on Sunday, Dec. 18. The Phillips choir, hailed as one of the best high school choirs in the area, gave an invitational concert at the White House last year.

Cooperation Needed to Brake Downward Trend in Activities

Guest Editorial by Richard Greb, Editor Emeritus

Over the past four years, there have been numerous changes in the social and political make-up of our campus. Some of these movements have been for the better; others have not.

In terms of social life and liberality, there appears to have been a general loosening of restrictions. These changes have not necessarily been changes in formal regulations, though the appearance of "Cavalier" magazine during this semester in the Commons drug store reflects a marked change in the attitude of four years ago.

The general attitude of the students also seems to have changed. No longer is the typical IIT student a slave rule-following engineer with the interests beyond his books. The effects of the administration to develop a university have succeeded, in part, at least.

And this new breed of Techsoc demands more of the campus than it is yet capable of giving. In his recent speech at last week's issue, Al Taylor hit a key point in this problem: the campus offers little variety of things to do.

It is true that certain aspects of the school's social program have expanded mightily. But it is only in the heroic aspects that these programs are noticeable. The concert series has taken great strides, as have the movie programs, but small events, such as card tournaments, and instillations as such as a TV room and a hi-fi room, have had only spasmodic life.

The general social programs have advanced little over the years. Some have even deteriorated. Last semester's 1-Ball, for example, was a disaster of late planning, poor timing, and bad publicity.

All-school events, such as homecoming, have deteriorated to nothing. In my second semester on campus, there was a homecoming with floats, quads and dorm parties, and an all-school dance with exhibitions, two bands, a quorum competition, and everything else that goes into a gala affair. It was fun. It was successful. It has not been repeated.

The Interfraternity Council has also lost its gala affairs through indecision and lack of organization and cooperation. The last of the annual pageants took place before I entered Tech. The last annual Sing was my freshman semester. There has been one of each since, others having been quashed in the planning stages.

A program now exists which will present the Sing and the Pageant in alternate years. Unfortunately, this may fail if there is insufficient advance planning. The pageants may not prepare early enough. Pageants may not prepare early enough. Pageants may not prepare early enough. Pageants may not prepare early enough.

Many of the reasons for these lacks is the atmosphere of the student government and general political scene which has prevailed the past years.

When I was a freshman there was a group of student politicians. They enjoyed playing the game of politics and played it well. They were not always efficient, but their power games kept the campus lively and, in some ways, forced those in office to perform.

One of the last of the games caused a realignment of the campus factions. A coalition formed which was ultimately dissolved into disorganized splinter groups. By this time, the last of the elections, was losing interest, and there was no one else to competently pick up the pieces.

Into this void stepped a succession of would-be power mongers who could do little but try crudely to play games. In the background stood the students, bewildered and finding little in the confusion to attract them into activities.

Today, the pieces are beginning to reform. The fraternity system is re-grouping, as evidenced by the appearance, for the first time in three years, of election recommendations from BOP to a Better Government. Association isn't important in itself, but then, you can't have everything.

All of the offices which are up in this election are contested with the exception of president and social chairman. This is a good sign. Among the from these offices, all are contested. This is indeed hopeful as an indication of the interest of the youngest class.

Given a strong set of officers, strong potential for better activities will exist. Publications can contribute strongly in developing student interest in campus life. But student interest is not enough. Much of the future of campus activities depends on the administration.

First, the administration must take steps to convince the students that it is interested in their well-being. It must acquit them with the situations that exist which cause the problems which they experience, such as course condition of Wahab, for example.

It must also demonstrate that it will listen sympathetically to their problems, and is willing to take prompt, suitable action. Second, the administration should formally recognize that there is a problem and that there are questions of students behavior, rather than just not acting on existing rules. This would eliminate much confusion.

IIT is becoming more of a university, at least in terms of its curriculum and spirit, in the areas of college and study. And, it is high. Liberal arts majors exist, and the engineers are beginning to demand more than just math and science. All that is lacking is a coherent school spirit and more coeds.

At this juncture, with proper care, student activities could flourish. They have been at low ebb. It's about time for the tide to come in.
Dear EIC,

I would like to take issue with some of the points made by Dan- nel Sobiesky in his letter of Dec. 3.

First of all, I think that it should be pointed out that there were many more issues in the recent congressional elections than the war in Viet Nam, so there is no validity in maintaining that the thoughts of the electorate were on that one specific issue and those of the country in general. This is especially true when there are public opinion polls which measure directly the feeling of the people about the war.

I would also like to point out that Pischke never suggested that we negotiate with Commu- nists. That's impossible. He wants to negotiate with a country called North Viet Nam which may or may not honor its com- mitments.

The fact that the prevailing economic and social theories in that country are communist, it is true. But one can hardly say that the debt of the French are greatly capitalistic is measure of their willingness to honor their treaties.

Finally, I see no justification for terms like "Communist class. Totalitarianism is as different from slavery as is our "democracy," which produced real slavery as well as the olig-archy of the last sixteenth century. If the people in commu- 

Dear EIC,

Now that the "Phallic" show is over, you can walk through the HUB without a flash, heads held high, secure in the knowledge that you have acted in the true, not bastardized tradition of the Moonpie Society.

But now that you have assumed the mantle of "public con-

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But now that you have assumed the mantle of "public con-

ONE DAY ONLY!—
Saturday, January 7 at 7:30 & 10:30
IN PERSON
DR. TIMOTHY LEARY

Westvaco... part and parcel of the booming growth in education.

Growth industries look to Westvaco for leadership in paper, packaging, building materials and chemicals. They want to grow with Westvaco. With over 20 locations to choose from and openings for B.S. M. and Ph. engineers and scientists, M.B.A.'s, business and liberal arts majors, we've whittled the career combination you seek. Your Placement Office has more detailed information and will arrange an interview with a company representative. All students considered regardless of draft status.

You're invited to... BIG MIXER

University of Michigan, Ann Arbor, Thursday, December 7, 1966

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SOUTH BEND, INDIANA, Saturday, December 10, 1966

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THE DEATH OF THE MIND

In a Psychedelic Celebration entitled

A R I E G R O W N T H E A T R E B O X O F F I C E

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TECHNOLOGY NEWS

Page 3

I Read Tech News!
After graduation, what?
Will you begin your career as an engineer or scientist or return to school for an advanced degree?

You can do both at NOL

If you are an engineer in the top third of your class or a scientist in the top quarter of your class, NOL offers you the opportunity to begin your career in one of the world's great laboratories and, at the same time, go ahead with your plans for graduate study.

NOL is a laboratory in the true meaning of the word, and one of the largest and best-equipped laboratories in the world. It is the nation's leading R&D establishment for Anti-Submarine Warfare (ASW), the Navy's principal high speed anti-submarine activity, and a leader in the development of new air and surface weapons. The spectrum of research at NOL ranges from nuclear effects to acoustics to explosives and materials. At NOL, weapons development is carried through from inception to design to prototype test and development. Since 1950, NOL has completed 710 new weapons and devices such as SUBROC, nuclear depth bombs, mines, projectile fuses, underwater detection systems, and components and design data for POLARIS, TARTAR, TALOS, TERRIER, ATLAS and TITAN missiles. A civilian staff of over 3,000 people includes more than 1,000 professional engineers and scientists—experts with national and international reputations. Extensive and unique facilities embrace wind tunnels operating to March 17, hypervelocity ballistic ranges, the world's most exceptional hydrodynamic facility, shock tunnels, 300g centrifuge, multi-million-dollar experimental facilities.

Here is your opportunity. Each year, NOL interviews outstanding engineering and science graduating students. Selects the handful that seems to be really creative. Takes them to its beautiful 975-acre "campus" (the front yard is a golf course) in the rolling hills of Maryland near the Nation's Capital. Puts them through an optional one-year professional development course with rotational assignments to various areas within the Laboratory to prepare them for permanent assignments.

From the very beginning, new staff members have an opportunity to contribute directly to significant projects, to be part of an organization where groups are small and emphasis is on the individual.

NOL offers you a graduate study program that is one of the largest and most productive programs in the country. Each year members of our professional staff receive M.S.'s or Ph.D.'s from this program. NOL has a significant advantage in its proximity to the University of Maryland. Many NOL staff members hold permanent part-time positions on the Maryland faculty, and graduate level courses are taught at NOL every semester. Maryland also offers many courses on its own campus—only minutes away—at times which are convenient to and keyed to the special requirements of NOL.

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<th>PROGRAM</th>
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<td>Part-time Graduate Study</td>
<td>Open to all qualified employees.</td>
<td>Approval by line management.</td>
<td>Refund of tuition and fees if course grade is B- or better, plus one free course.</td>
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<tr>
<td>Graduate Work Study</td>
<td>Recent college graduates in certain engineering &amp; scientific fields.</td>
<td>Selected by Personnel Officer.</td>
<td>Full salary, tuition, books, fees, essential travel.</td>
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<tr>
<td>Intermediate Graduate Study</td>
<td>Recent college graduates in certain engineering &amp; scientific fields.</td>
<td>Selected by Personnel Officer.</td>
<td>Full tuition, book fees, travel per dim. &amp; to OS, and salary up to $3500 per 2 semesters full time.</td>
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<tr>
<td>Advanced Graduate Study</td>
<td>Scientists &amp; Engineers, grade G-1 and above.</td>
<td>Selected by NOL Training Committee.</td>
<td>Full tuition, books, fees, travel per dim. &amp; to OS, and salary for 2 semesters.</td>
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NOL NEEDS:
Aerodynamic Engineers or Hydrodynamicists—design studies of high-speed, high-performance re-entry systems, basic problems in theoretical and experimental aerodynamics, aerodynamics of turbomachinery, and design and development of hypersonic wind tunnels and ballistic ranges.

Mechanical Engineers—conceptual design and development of warhead systems, aiming and target-detecting devices for tactical and strategic missiles, underwater weapons, vehicle structures, and mechanical or electromechanical time and motion-sensing mechanisms.

Electronic Engineers—design, development and evaluation of underwater communications and detection systems, weapons guidance systems, influence fusing, air borne missile systems, instrumentation for weapons evaluation and aerodynamics research, and performance of new concept feasibility experiments.

Chemical Engineers and Chemists—for research and development relating to high-energy propellants and explosives, high polymers, molecular and crystal structures, electrochemistry, high-temperature, high-pressure chemical equilibrium studies, and the thermodynamics of high-energy reactions.

Engineering Physicists and Physicists—experimental and theoretical research in a wide range of areas including signal processing, infrared radiation, acoustics, magnetic and semi-conductor materials, and detonation physics plus weapon systems development and studies.

NOL ACADEMIC STUDY PROGRAMS

An NOL representative will be on campus Thursday, February 14
Contact your Placement Office for interview.
Summer Professional Employment for outstanding graduate students and graduating seniors.

U.S. NAVAL ORDNANCE LABORATORY
WHITE OAK, MARYLAND
Officers Chosen for PDE; New Members Are Initiated

Seven new members were initiated into Pi Delta Epsilon, national journalism society, at ceremonies held last Thursday in the HUB. Following the ceremony, elections were held.

New members are Jay Fox, next semester's Technology News editor; in abrief, Tom Reed, WILT station manager;

TN Recently Gains Berth in Syndicate

Technology News has become a charter member of the Chicago Area Student Press Association (CASPA). The group is an amalgamation of editors and staff members from many Chicago area college papers.

Among the member papers are the Roosevelt Torch, Chicago Illinois, Emulsar Elm Back, Mundelein Skyrafter, Chicago Maroon, Illinois Teachers Tempo, Lake Forest Stemon, and Technology News.

CASPA's president is Lyn Cole, editor emeritus of the Roosevelt Torch, who originally conceived the idea of a student press group. Bi-weekly meetings have featured round-table discussions of pertinent editorial and business problems.

The group has initiated a number of programs for the future to establish itself as a functional press association rather than a discussion group. The first of these programs is a "lend-lease" personnel pool.

The pool is designed as a personnel exchange to supplement staff deficiencies and/or augment staff capabilities among papers, aside from the practical function of providing them with ideas they can use on their own papers.

Two other projects which are now being initiated are of particular interest to the Technology News staff. These two programs are a campus news service and pool press coverage.

Pool press coverage, as its name implies, is a system whereby area events of general interest will be covered by a few reporters, written up, and circulated to all participants.

As an outgrowth of the organization, Technology News has purchased the "Chicago Literary Review," a journal of book reviews and literary articles published by the Chicago Maroon.
Election Platforms Given by Candidates

ITA President

Al Ver
CME 5 GPA: 2.71

The most important thing that must be noted about the elections for an ITSA President is that he be capable of effective leadership. This is his responsibility to lead the board of control members and to guide their actions in the proper direction.

This year there will be a lot of new people on the board who will mainly need guidance. I would concentrate my efforts on making these people fully aware of their responsibilities and their importance to the engineering students. I would hold regular meetings of the board to familiarize them with their duties and report on the progress of the organization.

Secretary

Richard Oronchek
EE 5 GPA: 2.71

I have had the opportunity to work with the ITSA Board for two years. My experience has given me a better understanding of the responsibilities of the board and the importance of effective leadership.

Engineer Rep

Denis Mickens
CME 1 GPA: 2.35

I have had the opportunity to work with the ITSA Board for two years. My experience has given me a better understanding of the responsibilities of the board and the importance of effective leadership.
The ITSA not only provides our clubs with the money they need to operate, but it is also our closest link with the administration. Having been in the Liberal Arts and Science Department, I feel that I can best represent the interests of an expanding College of Liberal Arts on the ITSA Board.

It is for this reason that I ask your support on the 13th and 14th of December when you vote for your ITSA representative.

Jay Tartman
BE 6

Instead of just stating my qualifications for the office of Lib- eral Arts Representative, I would like my fellow students, to read a letter I received the other day.

Dear Jay,

I was happy to hear that you were running for the office of Liberal Arts Representative of ITSA. Ever since I can remember, I have always wanted to serve and help people in any way I was able to, and I think I am very well suited for the job. You always tackle any job with a great deal of enthusiasm and dedication. I think that the reason is it is always a job well done.

I was just thinking of all the activities you have participated in during the three years you have been in college. You were elected captain of the school basketball team in your two years in a row, a member and ating chairman of the Union Board Lectures Committee, Orientation Week Committee and a member of the Personnel Committee of ITSA.

I am sure you will be making a wise choice by electing you to the office, because I am sure that, as in the past, you'll show the same enthusiasm and work with the determination that has been so well characterized of you.

I love,

Mother

About all that I can add is that I'd like to show you that the above letter is not based solely on parental prejudice. In fact, I'd make a fair trade with you: you give me your vote of confidence and you'll do more than have my support in the ITSA Board.

Michael T. Curtis
No speech submitted

Arch-1D Rep

Richard Bielik

Arch 3

I am your ITSA Arch-1D representative because I feel that I can help the two departments through their exacting work on ITSA's Board of Control. I have been on the Board of Control as my Freshman Class President and I know how to direct and who to see about problems. One way your representa-

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Just as important, I must pro-

mote an awareness of ITSA, and the problems that arise in repara-

tions on Crow Hall. I ask for your support to continue as your ITSA Arch-1D representative.

George Snoek

ID 3

GPA 1.91

In the past, student govern-

ment at IT has for the most part lacked something important. This could have come through inter-depart-

ment exhibits. Through this, each department could see what the other is doing and possibly un-

derstand each other better.

Joe Hertlein

The most important problem facing school activities is the lack of school spirit, and the only way this is going to be corrected is by putting an end to the frater-

nity dominance of these activi-

ties.

Fraternities claim that they are the only ones who keep campuses going alive, but in fact, they are the very people who are causing the lack of school spirit. They control things to such a degree that anyone else on campus wishing to take part in certain organizations has little or no chance at all.

I know students who have tried to join certain committees of ITSA which had two or three openings and were either ignored and not allowed to join or, if they were, were news never noti-

fied of the meetings.

As a result all but a few dormitory consumers have aban-

doned any desire to be active in campus activities.

I maintain that what this school needs is a more dynamic ITSA, one that is not dominated by any one group, and one that does more for the students.

I ask for all Arch's and ID's to elect me, Joe Hertlein, at your representative this coming December 13 and 14. I pledge to see to it that ITSA becomes a more balanced association and one that has more to offer the Arch's and ID's.

Rick Pomos

ID 5

GPA 3.32

Having served this past se-

mester as Arch-ID representa-

tive, I have become familiar with the workings and structure of ITSA, and the relationship of the architecture and design students with the organization.

Crow Hall is a tightly knotted group, as evidenced by the for-

mality of an ID student council. Because of this atmosphere, there are relatively few prob-

lems to solve.

As Arch-ID representative, I would like to help promote an awareness of the school for Crow Hall by promoting, with the help of fellow students, an exhibition of student work.

T. S. Curtis

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Dr. Gordon Supports Effort To Improve Met Eng. Dept.

by William Griggs

Last April Dr. Paul Gordon was appointed chairman of the department of metallurgical engineering at IFIT. Since that time he has worked diligently to promote progress and achievement in the department.

Dr. Gordon describes his functions as chairman as the usual duties of a department head, plus, in my case, the special role of building the department. Students, especially at the high school level, are not aware of metallurgical engineering and its applications and vast rewards.

He further adds that, "It is necessary to eliminate common misconceptions that have become prevalent in the minds of prospective students. Among these are the belief that metallurgical engineering deals strictly with metals. This is not the case; this type of engineering concerns itself with many varied materials."

Commenting on the teaching role of the department, Dr. Gordon states, "It is not just a matter of teaching our boys to use the scientific disciplines such as mathematics, physics, and chemistry and apply them to metals."

"We attempt to relate the internal structure at various levels (i.e., atomic, microscopic) to the macroscopic properties (mechanical, chemical, and physical aspects) such as strength and ability to withstand heat and shock. By doing this we teach the students to meet the needs demanded by research for application to direct human experience, everyday life as well as scientific ventures."

In the area of training and research, Dr. Gordon believes that there are fewer students in metallurgy and possibly engineering because the average student attributes today's advances in science and technology to engineering. "The scientific principles on which modern chemistry and physics are based have been known for years. The glamour of achievements is the result of application of these principles through engineering."

He continues, "In general, technology is a big thing, but the real need lies in the development of super-metals. Our scientific capabilities are accomplished only through the development of improved materials and this is the job of the metalurgist."

Definitions of the potentials of his field, Dr. Gordon states, "Today there are two areas that are now more prominent in the field of metallurgy. The first is in the development of composite materials. The concern of the beauty of the qualities of known substances and uniting them to form new materials. This is done to increase strength and improve high temperatures and to create oxidation resistant substances."

The second area is that of materials. Attempts are being made to find super-alloys and to produce defects in present metals such as the process of creating high strength steels. The potential here is probably the greatest, due to the large variance in the theoretical possibilities and today's actual results."

Dr. Gordon's own research in the past has been in metabolic phases transformation. An example of this is the heat treatment of steel so as to change its internal structure through the rearrangement of the cast and crystal changes. A most important result of this is the creation of high strength steel.

Possessing a national reputation, Dr. Gordon is an active member of the American Society for Metals where he belongs to the National Program Council and the National Technical Committee. He is a member of the American Institute of Mining, Metallurgical, and Petroleum Engineers, and Sigma Xi, an honorary scientific society, as well as four other organizations.

Dr. Gordon

Dr. Gordon has published some thirty papers in metallurgical and chemical journals and received the Massey Award Gold Medal in 1955 for the best scientific paper in the Metallurgical Society Transactions.

Recently attending the National Metals and Materials Congress at McCormick Place, Dr. Gordon headed the judging panel at the Annual Metallurgy Exhibit.

One of Dr. Gordon's main accomplishments since assuming the chairmanship of the metallurgical department was the purchase of the TEM (transmission electron microscope) for the first of its kind in the Midwest. The microscope will be used in both research, the study of fracture in metals.

UB Movies

by Paul Anderson

Friday, Dec. 9


The licentious son of Marcus Aurelius arranges for his father's murder and takes over as emperor, ruling with cruelty and treachery. Rival factions, fighting for power, help to weaken the mighty world power of the second century. Done in the grand manner of the spectacle, this film has much to offer. Meticulous attention to accuracy of the sets and exquisite costumes adds to the overall effect, but never overshadows an excellent cast.

A spectacle in every sense of the word, overpowering, stunning, unforgettable.

New York Daily News

Sunday, Dec. 11


In the era of King Richard III, the fate of the Houses of York and Lancaster turns on the battle of Bosworth Field. The dark history of an English king--an interwoven pattern of literature, history, and legend--springs to life on the screen. Here are pageantry and social pageantry, all the political intrigue that made possible a huckster king's career of brutality and crime in medieval England. Here are the story of of Shakespearean inventors, the most magnificent cast of actors ever assembled for a film, directed by the master Shakespearean of our time, Sir Laurence Olivier.

"The case is a Who's Who of the British theatre, and they play for the most part, with a remarkably even and deep-breathing power. Oliver himself interprets the title role with a mastery so complete that Richard in this generation can never be again himself.

Time
December 9, 1966

- **ITSA Elections**

(Continued from page 7) the factors which underly a well carried out event. When these factors are integrated, the result is successful social events.

Specifically, I would like to see more co-operation among organizations such as ITSA, Union Board, the Dormitories, Fraternities, and Sororities, and other organizations that should interact to provide a full service to all students. This interaction can be done by joint work in the arranging and planning of the social calendar. I would like to see the calendar planned and published by the second week of the fall semester.

Our new gym will be ready for opening next year. In conjunction with this, I believe ITSA should sponsor a homecoming. Homecoming would become an entire weekend, with the events planned to complement the importance of the event.

The events which ITSA will sponsor should be strengthened and made more popular. I would attempt to solve this problem if elected.

**Fresh Class President**

**Guy Allford**

Arch 1

The office of Freshman Class President, for the purpose of being open to anyone who wished to run and could obtain the needed signatures. Thus, the main thing that the candidates for this office have in common is a desire. But the question arises, a desire for what?

Speaking for myself, this means a desire for improvement in the school and the many aspects of school life. However, improvement in any one phase of school life implies one thing, improvement in school government.

Now you ask, "What does one improve in the government of a school?" The answer is an easy one: It begins with the addition of new faces to new positions in government. But a uniqueness of ideas is not the only quality which is needed, as" long as the ability to lead is indispensable for anyone who wishes to undertake a job in school government. This leadership is not something that comes to someone overnight. It has to be developed and practiced over a long period.

This would express a willingness to work and get into the different aspects of school life, because an understanding of the daily activities of fellow students is one of the major problems of students. While I agree with the idea, that a good candidate possesses a sharp tongue which will not allow you to retreat, yet I feel the beliefs and integrity of his character are more important.

Every person in government is able to think constructively and to act, if only for the purpose of making a point or a position greater.

These are qualities which should be practiced daily and which a candidate should be conscious of at all times. I feel that I possess these qualities to the degree needed to fulfill the position in question, that of Freshman Class President. This, however, is up to you, the voters, to decide.

In case I win, I will try my best to get the Freshman Class President to work for the good of the school.

**Junior Class President**

**Jerry Dugan**

Junior Board of Control consists of 18 voting members. Of these, three represent the freshmen class. These members come from his department, his social affiliations, and his class president. As he is a new student at the school, it is unlikely that he will be acquainted with the representatives of his department; the same is true of his representatives of his social area; his real representative will be the class president. Because of this, the importance of selecting this person increases.

Furthermore, the Freshman President should be the liaison between the class and the ITSA and show the campus that the freshmen are here not only to study but to add something to the campus. He must organize the class to work in a functional body. From here the class can go on to develop a successful freshmen fund raising project of the freshmen and social events at ITSA.

The answer to the second question of what I’ve done about being elected is that I have attempted to stimulate the rest of the board to meet and do something for the freshmen. I have attended all of ITSA’s meetings except two in order that I might see how Tech’s student government works, what they are doing, and how I may help the Freshman Class. As a result, I have learned quite a bit about the various committees and house their overall duties and unity.

I would like to again represent the Freshman Class, this time as President. I promise to do the best of my ability to the best of my ability. Thank you for your consideration.

**Vice-President**

**Dan Abrams**

Brad Roben著

**Treasurer**

Denis Wm. Schneider

**Secretary**

Timothy E. Sloan

David D. Ludwin

**ITSA Meeting**

(Continued from page 1)

Elections Commission chairman, and Al Gutfreund was chosen to head the Student Admissions Advisory Board, which plans Orientation Week in conjunction with the Dean of Students office.

The motion to make the Man and Woman of the Year elections to another time during the spring semester was brought up and was defeated.

**Wrestlers Drop Season Opener**

The Illinois Tech wrestling team started its season on a sour note on Wednesday, Nov. 30, dropping its first match to the University of Illinois, Chicago Tech Campus, 35-0.

The Techabows lost matches in every weight class except one. In the final match of the day, the 162-pound match, between heavyweight division, pitted Tech’s Frank V. against Illinois’ U. F. Smith in the second period of their match.

The rest of the team did fare well. Part of the reason for the loss was due to the absence of captain George Doty. Derby is being sidelined with a thigh injury suffered during the Interfraternity football season. According to Coach Tom Barbosa, due to conflicting class schedules, the members of the team have not been able to fully attend practice. There is another event underlying Tech’s defeat.

Two of last year’s standouts, Tom Bemolz and Tom Sculatoni, were impressive, even in defeat. Sculatoni showed the same quickness and aggressiveness which made him a consistent winner last year. The final score of the match was 65-0, with U. F. Smith on top. Sculatoni was in the match to the end when he almost gained a reversal which would have made him victorious. Kennard was in contention for three periods, even though the 0-1 score did not indicate it.

The next scheduled match is set for Dec. 15 against Aurora College, at Aurora.
Tech Aquamen Undefeated; Horford Breaks 2 Records

With a show of balance, plus outstanding individual performances, the Tech varsity swim team has run up an impressive early season record of 2-0-0.

In their first meet, the aquamen rolled over Wilson Jr. College 54-36 with freshman Bill Horford leading the way. Horford turned in record-breaking performances while winning both the 200 and 280 yard free style races.

His time of 2:03.6 in the 280 yard race broke the Schonendorf wood's 1964 school record of 2:03.5.

In addition to Bill's 30 points, Tech picked up winning points in both the medley and free style relays. Swimmers Keller, Miklos, Green, and Schonendorf took the medley relay and Horford combined with Keller, Miklos, and Green to capture the free style event.

Other individual victories went to Schonendorf wood in the 150 yard individual medley and 200 yard individual breastroke, Keller as the 200 yard breaststroke, and Miklos in the 500 yard free style.

In the second meet, the aquamen handily defeated Milwaukee Institute of Technology 60-34, averaging a defeat at Milt's hand last year.

Again, Horford captured both free style events. Miklos was again victorious in the 500 yard freestyle, and Schonendorf wood again captured both the individual medley and breastroke events.

With only these two wins the swimmers have improved on their last season's 0-9 mark. However, according to Coach Ted Erickson, this year's team has every possibility of an undefeated season.

Erickson said his team is pleased with both the individual and team performances; however, he expects at least two additional school records to be broken.

The next meet is tomorrow afternoon at 2 pm against Rockford College at Rockford.

Aepli Tourney Opens As Field Narrows to Eight Contenders

Eight of the 16 teams entered in the annual Alpha Epilson Pi basketball tournament have been eliminated in the opening game of the tourney, Phi Kappa Sigma rolled over the Cool Gents (TX) 1 by the lopsided score of 67-31. Phi Kappa's scoring was well spread out, as five Skills scored in double figures.

In other early action, Ted Peterson scoring 19 points, led the Clowns to a 54-36 victory over the hosting AEPI team.

A strong third team, the Aces, sparked by Higland and Pobin rolled over the Teg's 69 to 30.

In other action between regular 1F teams, Alpha Sigma Phi slid past Triangle 55-28. Don McLaughlin led the winners with 14 points.

Another game, sparked by strong individual performances saw the Delta I team defeat the Pi Kap 60-29.

The Delta II team also fared well as they defeated Phi Kappa 42-10.

In a near upset, Alpha Sigma Phi I pulled away from the TX.

Cagers Lose to Dubuque, Procopius

by Jerry Jacobson

Last week witnessed the opening of the 1966-67 basketball season for the Techhawks. The opener against the University of Dubuque turned out to be a disappointment for the team as they were outmatched in the second half to be defeated by a score of 82-75.

The first half of the game proved to be a referent game with both teams shooting nearly 50% from the field. Tech went to the locker room at the half with a one point lead, 38 to 37.

However, physical conditioning became a factor in the second half as Dubuque simply outran the Techhawks to gain a ten point advantage that was never overcome.

A fine job for the Techhawks in spite of a pulled hamstring in his leg was Captain Jay Kurtzman. He scored 17 points with 21 points to the losing effort.

Rock Kien, last year's leading scorer lost points with 23 points and 7 rebounds.

Saturday, Dec. 3, the team took on their rivals from by Procopius, losing a 93-72 heartbreaker.

As the Netmen took the floor, they were greeted by the cheers of one of the largest home crowds they've played against in two years.

The team jumped off to an early 17-10 lead over the favored Eagles, but conditioning started to take its toll as the first half wore on. The Cagers went to the locker room at the half with a 12 point deficit, behind by 35 to 47 at the end of the first half.

In the second half, the Eagles quickly cut Proceso's lead, however, first thing the game, taking a 5 point lead nine seconds.

The five point margin held till the end of the game. With 7.5 seconds left in the game, the Eagles stole the ball and scored to cut the Tech lead to three points, 92-89.

Again they stole the ball, and this time one of their players was fouled by Kien in an attempt to block a shot. The Eagles scored on both free throws, cutting the lead down to one point.

Another Techhawk mistake placed the ball in Eagles hands, starting the scramble for the ball Jacobson fouled another Eagles player.

The Proceso man sank both his one and one charity tosses, and the game ended as the Techhawks tried a desperation shot which failed.

Five Techhawks scored in double figures, with Rock Kien netting 22 points to lead the boys. Jacobson threw in 14 points, while Eric Wilson netted 14 for the night.

Graduate to Lockhead

Engineering seniors: visit the Lockheeds suite at the Jack Tar Hotel in San Francisco. December 27-30 or call Lockhead collect (408) 743-2801. Spending this Christmas holiday in the San Francisco area, then look in on Lockhead. Lockhead's professional employment team will be conducting interviews that can set you on the path to a fascinating, high-paying job at Lockhead. They'll be happy to tell you about new-product development, product diversification, company-conducted research, company-paid tuition programs, positions to universities and research centers, or as Agents Points, Poseidon, Deep Submersible professionals and much, much more. An equal opportunity employer.

Tote Board

by Mike Bellefete

Last Thursday the Techhaskell basketball team opened its season against the University of Dubuque.

A view from the stands that night gave this reporter an indication that it was going to be a long season for Coach Jacobson and his team.

The team had practiced for a month prior to that game, but it was hard to tell from their performance.

Last Thursday they threw the game away, as they had 12-14 turnovers, with everything from fast breaks to fumbling violations.

The team had forty chances from the foul line and scored better than 50% from the stripe.

However, from the team's performance in their second game, last Saturday night against a well-backed St. Procopius club, I tend to think the Techhawks were just suffering from a lack of energy and attitude in their opener.

The mistakes in the Proceso game were minimal, and except for two 40-35 breaks near the end of the game, the cagers would have had their first season win under their belts.

In light of Saturday's performance, Tech should improve on their 8-11 record of last season, despite the fact that their school is the same.

Probably the toughest challenge of the season will be next Tuesday night against Lewis College. Former Illinois high school all-star Ferris Williams, with his 35-point plus scoring average will present a problem for our squad.