Tech Student Apathy Kills
ITSA's Fall Conference,
Some Successes Reported

by Rick McNamara

In spite of efforts to encourage a large attendance, only about fifty people, mostly faculty members, attended the Fall Conference held in the HUB Saturday morning, November 6, which was sponsored by several ITSA and Faculty Sen-
te committee. This lack of interest, however, did not prevent those at the conference from discussing issues concerning faculty-student relationships and producing a comprehensive report on matters as a pass-fail pro-
gram, an evaluation of both courses and instructors by students, problems within the D & E PS Core Program, an Honors Program, and methods for increasing faculty-student contact.

EIC Nomination
November is the Technology News Editor-in-Chief for the spring semester now being accepted by the Dean of Stu-
te Officers. Interested persons should submit nominations in the form of a letter, stating qualifications and past expe-
nence.

The committee examining the possibility of a pass-fail program felt that its primary purpose was to stimulate students to take courses outside their areas of specialty without the fear of lowering their grade point averages. As a result, any such pass-fail courses would be limited to elect-
ive courses considered part of the student's major or minor program. In addition, each student would have to take only one pass-fail course per semester and an exper-
iential program. The faculty committee recommended that the Honors Program be part of a separate Honors Col-
lege and institute-wide rather than departmental. The program would have to be special programs, such as an Honors curriculum in the Core.

ITSA Votes to Join NSA and ASG;
Announce Hoel Will Seek ASG-VP

In a special meeting called by President Bob Hoel to consolidate the student government, the College of Student Governments (ASG), the ITSA Board of Control voted Monday night to join both the ASG and the National Student As-

Students SA are rival national student organizations promoting communication and cooperation between student governments and assisting them to become more active members of their school communities.

Preparing not to delay action on deciding which organization to become affiliated with, the ITSA Board of Control invited both Yoho to join the ASG. The vote was 11-2.

Last April 30 the Board had voted unanimously to apply for membership in the NSA. At Wednesday's meeting, a motion was also passed to also apply for membership in the ASG for membership as well as for $5 for NSA membership as well as for $100 for ASG membership.

The special Board meeting was called by Hoel for the purpose of considering immediate application to ASG. A student leader from Chicago State College spoke on the benefits which Chicago State students have received from ASG. Hoel also presented favorable impressions of ASG, which he obtained from attending an ASG conference in Washington, D.C. on September 19-21.

Gary Warn, ITSA Secretary, objected to the necessity of joining either organization immediately. He proposed that ITSA delay in decision until a committee could review the need to affiliate with one or both organizations and to evaluate which, if any, would provide the greater benefit to ITSA students.

Warn also noted that, with Board elections coming soon, the decision on affiliating with a student organization for the academic year should be left to the new Board. He proposed that the mo-
tion to join ASG be tabled.

A reason for the hasty application was then provided. According to Hoel, he had been approached to run for the position of ASG Vice President at the upcoming ASG National Convention in Atlanta, and he could not do so unless ITSA were a member school by November 15. If the decision was not made at this meeting, he would forfeit the opportunity.

Warn reiterated that the decision on affiliation should rest with the student body and he asserted that Hoel would not be able to effectively aid ITSA in his new position.

The motion for tableting was de-
tailed, but retained, and the motion to affiliate with ASG was tabled.

Besides the $150 appropriated for membership in the two or-
ganizations, the Board also agreed to sponsor delegates to the ASG National Convention in Atlanta and the NSA Regional Conference in Knox College.

The Finance Committee will meet Monday night to decide where the money for the appropriate purposes will come from.

Moratorium Petition Supported by Faculty;
Schedule Film, Peace Concert for Tonight

Climax of the past week's ITSA Moratorium Committee activities came on Wednesday, November 12, when a student was voted support by a majority of the 80 faculty members present at a special all-faculty meeting called by ITSA President Retallack. The moratorium was originated by the Moratorium Committee of the Moratorium Committee and endorsed by over 70% of ITSA students, asked that all quizzles and tests be cancelled on the days of November 14 and 15, "so that any student wishing to participate in the Moratorium will not feel forced to attend classes.

The first activities sponsored by the Moratorium Committee during the week of the November Moratorium was the movie, "The Time of the Hunter." It showed at 7 p.m. on Tuesday, Carolyn Wilkins, a member of the American Friends Service Committee, attended and explained the film. She told the audience that this movie is a slanted picture of the lives of the poor in rural America. Most of the strikers shown are those organized by the South Vietnam Workers in the 1960s, and many of the students do not matter who does what to whom. The important thing is that the war is evil.

Tuesday evening two movies were shown. The first was the ex-
cellent "Vietnam Dialogue" by David Sheehanv, the second movie, "The Servants," was shown at 8 p.m. on Tuesday. William C. Davis, a member of the American Friends Service Committee, attended and explained the film. She told the audience that this movie is a slanted picture of the lives of the poor in rural America. Most of the strikers shown are those organized by the South Vietnam Workers in the 1960s, and many of the students do not matter who does what to whom. The important thing is that the war is evil.

The second movie, "The Serv-

CORRECTION

In a meeting with President Retallack last Friday, several members of the Faculty Senate meeting to discuss the Moratorium were shown to be in error.

Dr. Retallack pointed out that he does not oppose student participation in the Moratorium, and that it is not within the realm of his authority to ask faculty members to cancel classes or turn students away.

We went on to show the petition received from ITSA, Fitzgerald asking for a Faculty Senate meeting to discuss the Moratorium. In rising for the Faculty Senate meeting, he thought that he was giving those who signed the petition their first chance.

We regret the error, and hope that our reader(s) will forgive us.
ITSA Makes Another Blunder; $100 Out of Students' Pockets

The members of the ITSA Board of Control have again demonstrated their inability to come up with rational solutions to problems brought before them, as they voted Wednesday night to join two competing national student associations. (See story, page one.)

Once again the Board has failed to consider the most important question regarding affiliation with an organization: What benefits accrue to IIT with membership in either NSA or ASG?

Last spring (after 15 minutes of discussion) the Board unanimously voted to join NSA. Last Wednesday, after hearing the Student Government Secretary of Chicago State College speak in glowing terms of how ASG services saved that campus from total anarchy, the Board voted $100 from their strained budget to join ASG.

It was evident, not because IIT was in imminent danger of a student takeover, but rather for the benefit of one board member—Bob Hoel. Hoel has been offered a chance to run for Vice-President of ASG, and he can only do so if IIT is a member of that organization by November 10th.

ITSA has purchased a $100 raffle ticket for the ASG-VP Contest, with the only possible winner being Bob Hoel, and with ITI undergraduate picking up the tab.

ITSA Secretary Gary Wims suggested that a committee be established to rationally evaluate not only the two organizations, but also to determine ITI's need to join any organization. The Board, in its haste to reward Hoel for his 'dedicated service', and in their haste to find an easy solution, rejected the suggestion.

In the past, ITSA has received the service of both the NSA and ASG without paying members of either group. We can see no reason, other than the obvious personal gain of one Board member, why ITSA needed to immediately affiliate itself with any national student organization.

Considering the financial bind that the student government presently finds itself in, it seems foolish, if not stupid for ITSA to begin paying for services that it has received gratis in the past. If ITSA continues to spend in disregard of their budget, they can expect Spring Conference to be only wishful thinking.

ITSA has again betrayed the confidence placed in it by IIT students, who, as we see it, are entitled to campus reforms that an effective student government can promote. The submission of emotions for reason and realism in positive action have been consistent policies of the present student government. For too many Board members are willing to grab up any proposal that sounds good and promises a quick and simple answer. Hopefully the upcoming election will bring a more consistently dedicated slate of Board members into ITSA.

Free Distribution of Literature Defended

Dear Editor:

In a recent letter to the editor, Dr. James Brophy essentially defended the current administration's position on free distribution of literature on campus and in closing expressed a desire for continued dialogue on this question. I would like to take this opportunity to continue that dialogue.

I thoroughly agree with Dr. Brophy that the "soul" of a college or board to determine distribution acceptability should be strongly resisted. However, I disagree that this concept has discerned to the present situation at IIT. A better alternative exists, i.e., free and unencumbered distribution of non-commercial literature.

I have heard the arguments concerning "freedom of expression" for at least five years at IIT and it still fails to be convincing. Such material has managed to gain control of the campus regularly as long as I have been here! Most important is the fact that a prohibition against commercial advertising is not consistent with the proposals for free distribution of literature. It seems to me that this issue has been used as a red herring for long enough.

Now it is possible that there would be a few instances each year when the determination as to whether a given piece of literature is or is not commercial advertising may be difficult. However, I fail to see the situation as any different than what now exists at IIT. These determinations are now regularly being made in the office of the Dean of Students.

A more significant issue, however, remains to be considered. I believe pointed out that IIT's facilities exist to further the educational activities of its students and faculty. No better way has been found to further these goals than to provide an atmosphere conducive to the free and unencumbered interchange of ideas among the participants. This admitted lofty goal is clearly not furthered when structural barriers are lessly introduced into the environment. The requirement that a student must organize in order to communicate with his fellow students or that he must find an existing organization willing to sponsor his communication is exactly such an impediment. This essentially requires that the student have already achieved support for his point of view before he will be allowed to communicate with his fellow students.

The suggestion that this is appropriate since that since the procedure used in television broadcasting is strange indeed. In television broadcasting Dr. Brophy has selected a perfect example of how such a requirement can lead to the alienation of large numbers of citizens who feel unrepresented by the political process. Such provisions may be necessary in the communities at large, however, it seems very unfortunate indeed to extend such a "liability" to any situation in which it is not an absolute necessity. It is particularly disappointing to see it applied to the educational community. To necessarily cumber the free interchange of ideas at IIT in order to protect the community from a few commercial advertising schemes still seems to be a more important than the disease.

Wayne A. Bernath
Dept. of Business and Economics

EIC Recommends Election Date Changed

Well, it's that time of the year again. Elections for the ITSA Board of Control are scheduled for the early part of December, seemingly for no other reason than tradition.

The purported reason for holding elections in December is to provide for a smooth transition from one slate of Board members to the next. However, by having new officers taking their seats so near the middle of the academic year, ITSA is hurting its own effectiveness as a student government.

Past experience has shown that it usually takes ITSA two or three meetings at the beginning of each semester before it really "gets rolling" and functions as effectively as it could. Witness this semester: little was done until the service employees went on strike on October 1st, and the three hundred students insisted that ITSA demand some concessions from the administration. Last semester, relatively little work was done until Spring Conference, in late February.

At least part of the reason for this is that new officers have been taking their seats at the beginning of each semester. In the time it takes for the new members to get acquainted with the operation of ITSA much vital discussion is lost.

There is no question that when ITSA does get something started, the semester ends, and any momentum the proposal may have had is lost. This is what happened to three of the four Spring Conference proposals from last semester.

We were able to receive parochial hours before classes ended for the summer. However, discussion on the other three matters was postponed because of the three month vacation. The net result is that the disciplinary restructuring is only now being discussed, eight months later.

If we are to accept this as a basis for election restructuring, it would also seem sensible to move Spring Conference to early fall and to use it as a planning conference to decide what direction ITSA should take for the upcoming year.

But, since it's too late to do anything about it for this year, we can only do what we have. Regardless of what system we use ITSA needs student support, and urges many as students as possible to run for office in the upcoming election.

Dear: Department of Technology News

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Biff Your Help Wanted

The spirit from their school and neighboring Tech's is sagging and we're spreading the word to the people in the area, as we are, to bring out the ITSA students from the "Bog" in order to help the Tech's old group.

This winter, Rose Smith, Jane, and her group will be having girls' nights, giving parties, and trying to jumpstart the girls' group back to its old self. If you are interested in joining, please call Rose Smith at 1275.

The girls' group will be having its first meeting early in November. So if you are interested, please be there. The girls' group is made up of all the girls in the general Tech's and the Tech's Old Group.

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Dear: Department of Technology News

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Biff Rose, Smith, Food, Your Father’s Moustache Help Raise Spirits of ’69

by Tony Hefler

The spirits got a big boost this past weekend! From their disdain of being involved in the activities of the student body, the girls at the freshman level announced their support of the campus activities for the year. The two groups, the ‘69 Freshmen and the Student Council, worked closely together to bring about this change.

The TJSA, under the leadership of President Mike Young, had been very active this past year. They had been able to raise funds for several projects, including the purchase of new equipment for the music department. The students were impressed by the dedication of the TJSA and were eager to support their efforts.

The Student Council, on the other hand, had been more focused on the needs of the campus community. They had been working hard to improve the facilities and to provide more activities for the students. The students were impressed by the work of the Student Council and were eager to support their efforts.

The two groups worked together to plan a variety of events, including a talent show, a dance, and a variety of social events. The students were eager to participate in these events and to support the efforts of the TJSA and the Student Council.

The results were impressive. The students were more engaged in campus activities and were more likely to participate in events. The TJSA and the Student Council were able to raise more funds and to improve the facilities. The students were more satisfied with their campus experience and were more likely to recommend the school to others.

In summary, the TJSA and the Student Council were able to work together to bring about positive change on the campus. The students were more engaged in campus activities and were more satisfied with their campus experience. This was a great example of what can be achieved when people work together for a common goal.
Tech Researchers Study Subnuclear Particles

by Don Heide

From the description of a "jungle of peppermint" involving the "conservation of strangeness" and "The Eight Fold Way" with the possible inclusion of "quarks," one might get the impression that a mystery was being discussed. However, the above description was the way Dr. R. L. Warnecke described the research carried out in the field of subnuclear particle research.

There are many individuals at ITT that have done research in the above field. In the area of experimental studies, Dr. Banat Curso, Kuo, Voits, and Boyd helped to verify the strangeness conservation principle in strong collisions. In 1963, Dr. Warnecke and Dr. Ernst made calculations aimed at understanding departures from the Eight Fold Way.

Investigations of the nucleus involve many problems. The size of the nucleus is 100,000 times smaller than the atomic radius. Although standard quantum theory has been found applicable in the nucleus, new theories concerning the origin of the internuclear forces has been established. The physicists are then led into the nucleus themselves. He bombards the small particles and a "bewildering array of new particles may be produced," according to Dr. Warnecke. These particles, which occur in pairs, decay in anywhere from 10^-2 to 10^-12 seconds.

One of the most influential processes in the field of elementary particle research is the recipient of the 1960 Nobel Prize in Physics, Murray Gell-Mann of the California Institute of Technology. In 1952, he, along with K. Nishijima, introduced the hypothesis of "conservation of strangeness," which assigned "strangeness" numbers to each particle. In strong collisions, it was proposed that the sum of the strange numbers in a reaction would be equal to the sum of the particle strange numbers leaving.

The fact that pairs occurred was explained by giving these particles opposite strangeness numbers. The experimental verification of strangeness conservation for a wide range of reactions has led to the meaning of this principle. In compiling the above information for Technology News, Dr. Warnecke concluded by stating, "It is not ridiculous to claim that the strangeness conservation principle compares in importance to the established principle of conservation of energy."

Also included in the work of Gell-Mann are other elementary particle theories. Around 1962 Gell-Mann and Y. Neeman, working independently, formulated a scheme to place elementary particles into an ordered system of groups called the "Eight Fold Way." The plan established an equivalence between superficially different particles, through a mathematical means. The discovery of particles that were predicted by the theory (i.e., the eta-meson and the omega-minus particle) confirmed the above work, Gell-Mann also contributed jointly with N. Cabibbo, a major theory that retains strange electromagnetic and weak interactions.

Present work is being carried out at ITT both at the theoretical and experimental levels. Dr. Burtsev's group and R. L. Warnecke are investigating interactions of the strange particles. Highly energetic particles are shot through a supercooled liquid. The tracks made by these particles are photographed and brought back to ITT to be investigated. A $200 million electron volt accelerator now under construction at the National Accelerator Laboratories at Batavia, Illinois will greatly help high energy research.

Theoretical work at ITT is being done by Dr. P. Ladenburg and R. L. Warnecke. Current research is being made to find a mathematical method to compute the strong interaction's basic understanding the distortions from the Eight Fold Way.

Of future interest is the quark predicted by Gell-Mann. The quark is borrowed from James Joyce in his book "Finnegans Wake." These particles are supposed to carry a charge of 2.3 to 1.5 the charge of an electron. Dr. Warnecke says: "A nucleus might be made of three quarks, and a reaction of a quark and an anti-quark. The quarks have not yet been discovered, but if they are found it will be shown there will be an instant revolution in physics."

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Radar on SH Probes Atmosphere

Last spring you wondered who left all of the scrap metal in front of Siegel Hall. This fall when you returned the junk had somehow managed to assemble itself on Siegel. Is it a nefarious plot by Emperor Mag to destroy Earth? No, guess again!

The huge "ear" on top of Siegel Hall receives radar probe reflections, which are processed electronically into data applicable to current problems in meteorological research.

The "Laboratory for Atmospheric Probing" project, under the sponsorship of the National Science Foundation, has been in operation at IIT for almost a year. Under the co-direction of Dr. D. Adan and Dr. P. Ciclo, the project is designed to study certain meteorological phenomena.

One aspect of the project, now under consideration, is the development of a process in which, by the use of radar, planes may avoid patches of clear air turbulence.

In the future the project hopes to mobilize the receiver so that it may be transported to certain areas of the country. Also possible is radar probing of atmosphere factors that influence air pollution within the scope of future investigations of the project.

Graduating Seniors Majoring in ARCHITECTURE CHEMISTRY ENGINEERING SCIENCE URBAN PLANNING are invited to meet with our representative on campus THURSDAY, NOVEMBER 20, 1969 Contact your Placement Office for an appointment City of Detroit - Civil Service Commission

it union board concert series

The Paul Winter Contemporary Consort A Classical Contempo Friday, November 21 ............... 8:30 p.m.
Los Indios Tabajaras Crystaline Guitar Friday, February 6 .................. 8:30 p.m.
The Chicago Symphony String Quartet Saturday Night Monday, March 6 .................. 8:30 p.m.
John Eaton The Electronic Groove Friday, March 20 .................. 8:30 p.m.
The National Shakespeare Company The Tempest Friday, April 6 .................. 8:30 p.m.
All in Grover M. Hermann Hall ballroom (intimate seating)

The Tempest in Auditorium
Regular series tickets ............... $8.00
"Friends" series tickets ............. $12.50
"Patrons" series tickets ............ $60.00
Available at HUB newstand, or call or write The Union Board, 3241 South Federal, 225-9600, ext. 354 for reservations.

Announcements

ASME
The ASME will present Dr. L. B. Stover, associate professor of anthropology, to speak on "Ecocatastrophe in Science Fiction," Tuesday, November 18, at 1 p.m. in the Crawford Auditorium, E1.

Toy Harvest Mixer Kappa Phi Delta sorority and Pi Kappa Phi fraternity are co-sponsoring the annual Toy Harvest charity mixer on Saturday, November 22, at 8 p.m. in the HUB ballroom. All proceeds from the mixer will go to the Ada McKinley House. Admission will be $1 or a toy.

"Viet Rock" The IIT campus theater group will hold final auditions for roles in "Viet Rock" on Monday, November 17, 7:30 pm to 10 pm in the HUB auditorium.

Junior Class Meeting An organizational meeting of the Junior Class will be held on Thursday, November 20, at 1 p.m. in the HUB office in the basement of the HUB. The purpose of the meeting is to organize committees to work on graduation, the homecoming talent show, a beer, a toast, and the class newsletter. As well as being short-term projects in themselves, the work of the committees is also intended to provide money and an organizational structure that will give us a successful and prosperous senior year.

All interested Juniors are cordially and emphatically invited to attend this important meeting.

GRADE TAXI OPENINGS AVAILABLE TUESDAY OR WEDNESDAY FROM 2 P.M. TO 8 P.M. CALL 977-1774
Tech Swim Team Outlook Is Good

by Paul Reynolds

With the addition of the Ecko Pool last year, ITT’s swimming team finally came into its own. Having been condemned in previous years for being a cramped, overburdened Boy’s Club pool for practice and meets, they had a 10 year record of losing seasons. Then, last year, the new pool worked some magic in attracting swimmers, and Tech had its first winning season, overcoming arch rival University of Chicago for the first time.

This year, Coach Ted Erikson and Assistant Coach Dennis Blaschke feel that they can better their 8-3 record of 1968-69. The team this year is composed mostly of sophomores back from last year, with the addition of several talented freshmen and one senior. The coaches say that there is a weakness in only one department - diving. The team’s diver graduated last year, and to date no replacement has been found who can handle competition diving. This means that in all matches ITT will have to forfeit those points assigned to this event. However, there is a surplus of strong breaststrokeers, an event that has been weak in for several years, and Coach Erikson feels that the two will even out.

One big help to the team is that of 15 team members, 14 have previous competitive swimming experience.

One thing that hurts ITT’s swimming program is that there are no athletic grants provided for it. This is especially true against such swimming powerhouses as Rockefeller, U of C, and University of Chicago. All in all, though, this year should prove to be an exciting one for the team, and a successful one for the school.