NSF Gives Fellowships For Graduate Scientists

The National Academy of Science-National Research Council has been called upon to advise the National Science Foundation in the selection of candidates for the Foundation's program of graduate and regular postdoctoral fellowships. Panels of outstanding scientists appointed by the Academy-Research Council will evaluate applications of all candidates. Final selection will be made by the Foundation with awards to be announced on March 15, 1967.

Fellowships will be awarded for study in the mathematical, physical, medical, biological and engineering sciences; also in anthropology, economics, (excluding business administration), geography, the history and philosophy of science, linguistics, political science, psychology (excluding clinical psychology), sociology (excluding social work).

Applications may be made by college seniors, graduate students working toward a degree, postdoctoral students, and others with equivalent training and experience. All applicants must be citizens of the United States and will be judged solely on the basis of ability.

Applicants for the graduate fellowships will be required to take the Graduate Record Examinations designed to test scientific aptitude and achievement. Those examinations, administered by the Educational Testing Service, will be given on Jan. 26, 1967.

Although any eligible person may apply in the Graduate Fellowship Program, applicants should be aware that the competition for these awards is intense. In 1966, of 9,153 applicants, 1,198 were extremely well-qualified candidates selected for awards.

The annual stipends for Graduate Fellows are as follows: $2400 for the first year; $2600 for the second; $2800 for the third; and $3000 for the fourth year. The stipend is for use in conjunction with tuition, fees, and other living expenses.

This year's competition is for the academic year 1967-68. The fellowship will begin July 1, 1967. Applications are due at the National Science Foundation, 1800 G St., N. W., Washington, D. C. 20550 by Nov. 15, 1966.

Primack To Debate Mayor Sabonjian, Percy Representative at U of C Mon.

Dr. Maxwell Primack, write for the column, will be in the audience for the debate between Mayor Thomas Sabonjian, the mayor of Waukegan, and with a representative of Charles Percy, on Oct. 31, from 2.45 pm at the University of Chicago, Mandel Hall. A debate is tentatively scheduled for the evening of the debate, interested in hearing Dr. Primack's views on the democratic nature of American society, is that a by-product of war? Is it my conviction that neither Percy nor Douglas is an acceptable choice to those who feel as I do.

Computer Dance Plans; Couples Matched by 7040

The second APO Computer Dance is going to be held on Friday, Nov. 5. Approximately 350 males and an equal number of females have applied for the dance. Matching for the dance will be done on the IBM 7040 computer tonight. Notices of the remaining matches will be made available Saturday and should be received by Monday or Tuesday of next week. All persons who applied after Oct. 27 will be receiving their matches at this time also.

For those who didn't apply for the Computer Dance, there are still a limited number of couples available. Only couples will be admitted. Tickets, which will be sold on sale Monday, will be $5.00 in advance and $5.00 at the door. The tickets may be purchased at the HUB newsstand or at the APO office.

Baron Browne Highlight IF Ball; Peggy Normile Selected as Queen

Baron Browne was the high light of the 1966-67 Freshman Ball held Saturday, Oct. 22, at the Merchants and Manufacturers Club of the Merchandise Mart. The highlight of the evening was the presentation of the IF Ball Queen and her court. Chosen as queen was Peggy Normile, escorted by Jim Britton. The IF Ball Queen was chosen from a large field of candidates. The dance was well attended and enjoyed by all.

Soph Class Will Host 'Slob Dance' Oct. 29

Sophomore class of IIT presents "The Hux" and "The Statemen" in a unique Slob Dance tomorrow night at 8 pm. Slob dress will be required of everyone, anyone who takes the risk of dressing up will pay double the regular admission.

Almost fifty posters were distributed last week to 22 girls' schools, and an excellent turnout is expected. Since the HUB will not be available because of India Week, the dance is being held in the dormitory cafeterias.

The new south cafeteria will be used for dancing, with refreshments being served in the north cafeteria. The lighting and decor and crewed by Dan Benz and Leon Gregg, is preparing an atmosphere which, they said, "will surpass last year's Spectacular." The ropes have appeared twice previously at IIT. They appeared here last year at the Last Chance Mixer and at the UHF mixer during Orientation week. The "Statemen" are a quartet of last year's folk singers specializing in harmonies and "ad lib ad infinitum." The mixer will be from 8 pm until 12 am. Regular admission is 75 cents for males and 50 cents for girls.

Remember, the only catch to this dance is "dress slob." However, due to Tschach's bad reputation, the class asks for a request, "Please guys, wear clean socks!"
Revised Engineering Curriculum Can Solve Techhawk's Dilemma

Technology is the marvel of the twentieth century, and this rapid advancement of science has served to reshape our society considerably. Yet, in the midst of this, we have found ourselves in a world created by our own predecessors.

The plight of the engineer. He is criticized for his lack of creative ability and insensitivity. But haven't we been responsible for a large degree for the existence of this state of affairs?

The drive for expansion in the field of science has produced startling changes in our educational system. A clear example of this phenomenon is the existence of IIT. Students pursue an education in a high pressure curriculum that is crammed with time-consuming courses all designed to produce a top level engineer.

The result of such a program is an individual who is highly specialized in his field of study, yet limited in his ability to interact with others outside of his trained environment.

The standing joke about narrow-minded engineers is really not as funny as it seems. Of course they are limited in their knowledge of material outside their area of study; when do they have time to do anything else?

Does a person who has two or three lab courses, a few other engineering courses, plus an elective for good measure have time to think. Take the time to consider the problem and you may have already hurt your grade in one of your courses. By the way, that mixer that you were planning to attend this weekend? Well, maybe you had better study.

This is a common characteristic of the Techhawk. The real problem is that in some cases it is true. Be a socially active individual and you're dead, or else you're a whip and can do both things at once. Stay in your room and study in order to get good grades, and you're a Techhawk.

By the way, if you complain about having to take an elective, you're an inactive creature with little appreciation of the fine arts. Hear the belfry! Yes, and it is a good argument. The curriculum would be a lot worse than it is if we did not have electives in the social sciences and humanities.

In fact, it would be a good idea if we had a few more electives offered in the fine arts, and we feel that this is the general consensus of most of the students at IIT. The only block is "I only had more time."

What is needed is a reappraisal of the engineering curriculum. The possibility of a five year curriculum was mentioned as a passing fancy last year, but nothing more was ever said about the idea. That it would create problems because we would then have a course of study which did not comply with other schools is apparent.

But what about the schools on the triumvirate, or the five year plan of the school of architecture? An engineer is a professional in his field, so why not a five year program in engineering at IIT?

The other possibility is to rephrase the value of the load in the early curriculum. Could some of the courses possibly be eliminated or withheld until graduate school? This would eliminate the need for a five year program.

The most absurd position is to remove the liberal arts and sciences from the program and replace them with additional science courses or lighten the load by just dropping the electives. That this is the case can be witnessed in the courses which engineers are most likely to drop.

After all, they don't have the time, and unfortunately they really don't. As far as we are concerned that they don't consider the course valuable, and if it is in this area that we are wrong in our evaluation of the engineer.

Before the mechanization of man is completely carried out, we sincerely hope that the administration will give some serious consideration to the problem

ANNOUNCEMENTS

SAM
The Society for Advancement of Management will hold a free open lecture on November 2, in room 302 HUB at 8:15 pm. The guest speaker, Mr. William W. Wark, President of the Wark Tractor Co., will speak on "Management Training and Development in Industry." He also announced that a joint meeting of the Engineering Club and the Student Architectural Club will be held on the same day.

UB
On Wednesday, November 2, from 8:15 to 9:15 pm, there will be a "Jazz-in-the-Bog" program. It is presented by the UB social arts.

LIP Lecture Series
The department of language, literature, and philosophy will present the following programs: Nov. 2, "Consequences of Ambiguity," by Dr. Marvin Green, HUB 301, Nov. 10, "Shakespeare the Last Play," by Dr. David Greene, SW lounge, HUB, and Nov. 30, "Psychodramatics: Tragedy in a Drug Theatre," by Dr. Helen McLean, HUB 301.

ITTC
The Illinois Tech Investment Club will hold its next meeting on Thursday, Nov. 3, at 2 pm in room 114 EM.

Band Concert
There will be a band concert Friday, Oct. 28, at 7 pm in the HUB auditorium. The concert is sponsored by Pi Nu Epsilon of IIT and Kappa kappa Psi of Vandercook School of Music. Admission is free.
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1. Supply in space. If something goes wrong with a satellite in orbit, how can it be fixed? Answers must be found if large scale space transportation is to become a reality. This is the problem that many Air Force scientists and engineers will continue to answer in the next few years. We need the best brains available.

2. Lunar landing. The exact composition of the lunar surface, as well as its suitability and propellant characteristics, are too important to be left for later. One day we will have to be able to work on the moon as well as on earth.

3. Life-support biology. The filling of metabolic needs over very extended periods of time in space is one of the most fascinating aspects of Air Force activities in space. The results can have important applications for our physical well-being and work on space travel.

4. Space orientation. The first problem is that of a spacecraft's ability to move away from its original position. One of the most critical problems for air force physiologists in this area is the ability to orientate the body in space.

5. Symmetry phase changing. The ability of a spacecraft to change attitude when necessary is crucial. This must be studied in detail before it can be applied to space vehicles. Where will the Air Force find it? How can it be used to make such changes at the least cost of time and fuel?

6. Space propulsion. As our space flights cover greater distances it becomes more and more important to have an efficient and reliable method of propulsion. With the help of advanced rocket propulsion, the Air Force can colonize the cosmos.

7. Pilot performance. Important improvements can be made in the training of astronauts and the selection of personnel for space flight. Improvements in performance can only be achieved through proper training and selection. This is the task of the Air Force.

BIBLIOGRAPHY


Here are 7 knotty problems facing the Air Force: can you help us solve one?

Dear EIC:

On behalf of the Union Board, we thank you for your comments on the Union Board Concert Series. We always welcome criticisms and suggestions so that we can better plan our program to the interest of the students.

The Union Board could conceivably operate a four concert series if you insisted, charging no less than $100 per concert. If each of these four concerts could attract a capacity crowd (1,000 people), we could anticipate a net income of $400.

It is our experience that concerts with artists of this caliber cost at least $4,000 (all expenses included), thereby totaling at least $16,000 for the series. This of course leaves an $8,000 deficit which would have to be covered.

Incidentally, $8,000 is roughly one-fifth of the total ITSA budget and exceeds all organizational allocations except those of Tech News and Union Board.

As a matter of record, students (and faculty) have been polled in past years in an attempt to find out what the ITTA community wants to see and hear. Response was significant, though not overwhelming, even where excessive measures have been taken to ensure a wide circulation of the survey forms.

These choices were considered in forming this year's series, which has been received with some measure of acceptance in that more than 700 series tickets were purchased.

However, the Union Board does not have a chance to sit on its laurels. We will strive to provide an even better concert series for the coming year. As you suggest, this does require a thorough polling. Perhaps with the cooperation and support of "Technology News" we can provide that polling and a subsequently enriched concert series for the coming year.

Sincerely,
Paul J. Stevens
Concerts Area Director
Thomas E. Lenzmeier
President, Union Board
(Editor's Note: "Technology News" sincerely thanks Union Board for its interest in the editorial comments.)

Dear EIC:

It is interesting to learn that you regard your "UB Concerts" editorial as a "serious look at the concert series," and it seems to us an opinion reached without sufficient factual information to be "serious." In the process, you have unjustifiably misinterpreted all three of the concerts named.

To begin with, you are obviously unaware that although the largest portion of commercial record sales are "popular," the sales in "classical" records are twenty per cent less. This, of course, represents the entire record-buying public, which may or may not be considered to have the same tastes as ITTA students.

If, in fact, the assumption is incorrect, then how does one explain the heavy sale of concert season tickets, since, after all, the nature of the concerts was known in advance?

Secondly, you suggest cutting the number of concerts in half in order to contract higher-priced artists. How can one consider fewer concerts to best "profit entertainment for ITTA students?"

This suggests a third question: Why must an artist be favored to be included in the series? If this thinking was prevalent, no artist could move up to the first rank of popularity because too few people would become aware of his artistry. Union Board has, in fact, scheduled more "big-name" performers this year, as in past years, than any other Chicago college or university (with perhaps Wheatson).

I hope Union Board considers each full house as a datum for the local audience to continue in the current line of concert planning, instead of vulgarizing what has become one of the finest aspects of ITTA.

Glen Ruth
Regarding your Oct. 21 editorial on UB Concerts.

I'm afraid that the headline of your article is all too true. UB concerts fail to provide sufficient popular entertainers. You should, however, explained that "popular" is defined in terms of Tech Students. The problem, Mr. Polscheck, is not the entertainers; it is the audience. A majority of the performers this year are very popular. This is especially true of Victoria de los Angeles. She has filled concert halls to overflowing in every major city in the world. Of course, the people who pay from two to five times the cost of a UB ticket for the privilege of sitting and hearing Miss de los Angeles, are not witsy, stave Techawks. No, these people are just the "square" and "longhairs."

I was amazed that Miss de los Angeles would condescend to perform at Tech for any amount of money. What a generous person she must be to bring beauty and musical perfection to a hostile audience, for perhaps a third of the money she could make in one evening at the Lyric or the Met.

Let me quote your article once more. I quote with vibrant enthusiasm (not with the needlessly sarcastic you intended). "Next we can look forward to Victoria de Los Angeles. Joy!" Yes, Mr. Polscheck... Joy!

Rich Beckwold
UB Movies

Sunday, October 30, 8 pm

"Triumph of the Will," directed by Leni Riefenstahl.

Two months after the famous Blood Purge, and one month after the death of von Hindenburg, Adolph Hitler staged a gigantic rally at Nuremberg in connection with the Sixth Annual Party Congress. Leni Riefenstahl and a crew of thirty cameramen were commissioned to film the event.

The purpose of the rally was threefold: to introduce the personality of Hitler and his chief followers more fully to the German people; to lay down the basic principles of the Nazi doctrine, and what it had then been achieved; and to establish a record to be shown not only to the German people, but to the sympathizers throughout the world.

The rally itself was a massive spectacle of impassioned enthusiasm: everywhere, the emphasis was on youth—the generation Hitler looked toward to accomplish his goals. In addition to the militant pomp and marching masses, there were major "policy" speeches by the Nazi leaders.

The film, a technically brilliant masterpiece, and the crowning glory of Nazi propaganda, it was christened the official propaganda film of the Nazi Party. Since 1941, "Triumph of the Will" has been under confiscation by the US Department of Justice.

A recent revision in the law and arrangements with the director make the film available to film study groups and educational institutions.

Bernstein: Author, Researcher, Appointed Professor of Math

The appointment of Dr. Barry Bernstein, professor of mathematics at Illinois Institute of Technology, has been announced by Dr. Martin A. Elliott, IIT academic vice president.

Dr. Bernstein, a native of New York, worked with the National Bureau of Standards in Washington in connection with his appointment to the IIT faculty. A specialist in the mechanical applications of mathematics, Dr. Bernstein was associated with the Bureau of Standards with a group studying the elasticity and fluidity of common materials.

Last July, Dr. Bernstein and other members of the group received the Bureau of Standards Certificate of Achievement for a report on their work entitled, "Theory of the Perfect Elastic Fluid."

Through their work, Dr. Bernstein explained, the group was able to predict the behavior of materials and the rate of change and recovery of forms.

"The most obvious example of a visco-elastic material is, of course, rubber, but other materials—such as egg white, plastic, adhesives, wood and some biological fluids—have properties which give them the ability to alter form and recover original shape," he said. "We studied the phenomena directly rather than through molecular considerations and we measured time effects of large deformations."

The author of numerous technical papers, Bernstein, 35, also has poetry published. He has taught at Indiana University, the University of Maryland, Catholic University and Purdue University.

At IIT he will teach differential equations in the mathematics department and a course on the mechanics of deformable bodies in the department of mechanics and engineering sciences during the fall semester.

After 11 years of research for the government and part-time teaching, Dr. Bernstein says he looks forward to pursuing his original plan to work full time at a university. He says he also looks forward to continuing research—particularly as working with IIT faculty members in other departments.

VA Aid to Stop Classes Not Reported Soon

More than 6,000 veterans attending colleges in Illinois under the new GI Bill began receiving Veterans Administration checks October 26, many of them earlier than promised.

But veterans need not expect the good thing to continue unless they furnish VA with required school attendance records every month.

John R. Nase, manager of the VA Regional Office in Chicago, explained this way: In order to provide full term college enrollees with needed cash, VA waited for the first month only a requirement that attendance in classes be certified before payment.

Instead, the first checks were issued at the Data Processing Center in Rome on the basis of enrollment certificates sent in by the schools.

With each check was included a punchcard on which the veteran was instructed to certify class attendance up to the end of the month and mail back to VA before the eighth of the following month. Checks can then be issued on the twentieth of the month.

Mr. Nase emphasized that the veteran—not the school—is responsible for certifying attendance in class. The school completed its responsibility when it notified VA that the veteran had enrolled.

The manager emphasized the regulations in view of a survey just completed by his office. It was found that a number of veterans who had not sent in a complete attendance record for Summer school—and consequently not yet fully paid—pleaded they did not understand the regulations.

It's very simple, Mr. Nase said. If a veteran is going to college under the new GI Bill, he has to tell VA each month about his attendance in class. Otherwise, he doesn't get paid.

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California Firm Offers Grants In Post-Grad Work

The Systems Development Corporation (SDC) of Santa Monica, California announces the institution of a Presidential Resident Research Fellowship Program in the mathematical information processing and the social sciences. Fellows selected under this program will receive a stipend while conducting research of their own choosing in SDC's Research and Technology Division, Santa Monica, California. Approximately six to twelve fellowships will be awarded annually; the tenure of a fellowship is normally one year. A PhD or equivalent degree is required.

SDC, an independent non-profit corporation, specializes in research and development in the information sciences and related fields. Requests for applications or for additional information should be directed to the Information Office, Research and Technology Division, 2500 Colorado Avenue, Santa Monica, California 90406.

Weland of IIT Found in Nepal; Death Mystery

Robert Weland, a 1965 IIT graduate, was found dead at his Peace Corps duty station in Bhaktapur, Nepal. Weland graduated from Brother Rice High School in 1961. At IIT he was president of Illinois Tech Commissaires Association, the International Club, and the Illinois Tech Students Association.

Weland was also listed in "Whos Who in American Colleges and Universities." After graduating from IIT with a BS in Political Science, Weland joined the Peace Corps. He was stationed in Nepal in October 1961. No details on the cause of death were given, and a medical inquiry has been ordered.

State Auditor of Public Accounts Howlett Urges Expansion of Private College Fund

Michael J. Howlett, state Auditor of Public Accounts, recently urged that while expanding the state university and college system, Illinois should use resources of the private colleges to the maximum.

Howlett was the featured speaker at an anniversary meeting of the Knights of Columbus last Sunday in Nauvoo, Ill.

"While we are spending more and more money to build new junior colleges and university buildings with tax funds, we should make it our business to see that the private schools do not go down the drain," said Howlett.

"The Illinois Board of Higher Education is preparing that more than a billion dollars should be spent for construction and operation of state colleges, junior colleges and universities for the 1967-69 biennium. "No one questions that we need more and better state facilities to provide a college education for Illinois boys and girls who can use it. But let’s not phase out private education with public education. "The New York state legislature in 1964-65 granted more than $30 million in scholarships.

Our Illinois legislature granted $3 million. "If we use more tax money for scholarships, it may save us money for buildings. Scholarship money can be appropriated in both biennia as the need seems to require. Once we construct buildings, the money is in the buildings whether they are used to capacity or not."

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Draft Calls: Students Head North to Draft-Free Canada

by Roger Repp

This is the first part of a two part series on Draft-Free Canada taken from CPS releases from Toronto. The second part will appear in next week's "Technology News."

This month 49,000 men will be inducted into the US armed forces. Ex-Sgt. Bob Thomas will not be among them.

It's not that Bob isn't eligible—he's been 1-A for the past five months. Rather, he has left his native Indiana to live here in Canada where US draft laws do not apply.

Bob (not his real name) is one of a growing number of Americans emigrating to Canada to escape the draft. An estimated 2,000 US citizens have moved to Canada in the past two years for the same reason. About 400 to 500 have settled in Toronto, a provincial capital of nearly 2 million.

Bob, a soft-spoken 22 year-old, and a comrade of English school last June, returned home to find 1-A greetings from his local draft board.

He carefully weighed the alternative methods of avoiding the draft. To begin with, Bob is not a pacifist or conscientious objector. "Besides," he explains, "I wouldn't take CO status because it's demeaning."

The other route was jail—up to five years and $10,000 for failing to report for induction. "But that wouldn't do anyone any good. And I see no reason to make a martyr of myself."

So he decided the only way out was North. When he arrived here in June, Tony Hyde of the Student Union for Peace Action (S.U.P.P.A.), Canadian affiliate of Students for a Democratic Society, found him a place to stay.

Bob finds Canada "far more relaxed and less hysterical" than the US. Canada has no draft. Except for the fact that he can never return to the United States again, his life is free of restrictions. A long-standing pact between the US and Canadian governments prohibits his extradition.

According to Tony Hyde, Bob is not a typical draft dodger. In fact, I don't think there is any such thing. We're finding a lot of political types but not many people coming up here in their first political act. We even had a right-wing type from Arizona come up recently. He was sort of a Jeffersonian-type Democrat who didn't want to fight in Vietnam. His parents even agreed." 

Bob contends that his decision to move to Canada was not political.

"Political freedom is the reason I came up here. I want to have the right to say no to people. I've got better things to do than be used like a robot-like killer dog in the army. No one has the right to tell me to go drop napalm on people. I want the right to run my own life."

Women Receive More Freedom On Universities

Colleges and universities are granting more liberal social regulations to women, though the privileges often involve existing regulations.

This fall, the University of Pennsylvania abolished all women's hours, and the University of Oregon did likewise for its sophomores and juniors. For several years, seniors and women over 21 have had this privilege at Oregon.

All upperclassmen at the University of Utah are now eligible for keys to the dorms, but only if they achieve a 2.5 average out of 4.0.

Last year, the Pennsylvania administration allowed senior women to set their own curfews. Seniors do not have keys, but ask a friend to wait for their return.

After a long battle to allow women in the dorm, women at Smith College can now entertain their male friends from two to five on Sunday afternoons. Doors have to be open six inches, and three feet must be on the floor.

And at the University of Georgia, administrators are just now allowing women to visit men's apartments. The university does not consider one room an apartment, however. Bathrooms don't count as a room either—but a kitchen might.

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"Moderator" Magazine Expects Suicides To Reach 1,000 on College Campuses

(Editors' Note: The following was taken from "Moderator" magazine.)

"There will be 1000 college and university students who take their own lives this year, 9000 others who will attempt to do so, and 90,000 more who will threaten suicide," predicts a startling article in "Moderator," the national magazine for leading students.

"American colleges and universities claim concern with the personality development of their students. They seem to be driving the suicide rate. But..." says "Moderator" editor, Philip Worell.

"What we started examining is the impact of student suicide, we did not want to believe what we read. During the summer we undertook an extensive survey of every type of college, all our studies confirmed existing findings. 'First, suicide is at least the second greatest cause of death among students. (On some campuses, it is close to the first.) Second, the suicide rate on campus is probably higher than for Americans in general.'"

The higher student suicide rate could be due to the more accurate records kept in college, but Mr. Worell claims that "Moderator's" suicide projections are conservative. "Our projections were taken only from recorded threats, attempts and acts of suicide.

"Often deaths by suicide are not recorded—on recorded 'accidental' deaths—because of social and religious pressure or because of incomplete information. Moreover, we found that college administrators and campus mental health professionals whom we contacted had very incomplete figures."

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Last year, thousands of lawyers, bankers, accountants, engineers, doctors and businessmen went back to college.

And not just for the football games.

We'd like to clear up what appears to be a misunderstanding. It is somewhat popular on campus to decry a business career on the grounds that you stop learning once you start working for Clutch Nuts & Bolts. That idea is groundless.

We can't speak for Clutch, but we can for ourselves—Western Electric, the manufacturing and supply unit of the Bell System. Six out of 10 college graduates who have joined us over the past 10 years, for example, have continued their higher education.

Here's how it works:

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Bowlers Beat Loras 7-4 in First Match

Coach Ed Bilek’s varsity bowling team started its season debut on a winning note last Sunday by defeating Loras College of Dubuque, Iowa on Loras’ home lane. After a slow start, IIT’s five won one to win the second, third, and fifth games and overcame a 33-pin total series deficit going into the final game to gain the match point. With games counting two points each and the 12-game series total one point, the final tally showed IIT 7, Loras 4. IIT rolled total pin games of 811, 919, 897, 872 and 856 for a 4,355 total, against Loras’ 911, 913, 812, 916, and 774 for a 4,336 total.

Veteran Jim Carroll paced the attack with a 273-game total of 909, followed by Don Grimwood’s 898, and Elliot Silber’s 890. Other bowlers were Hank DeGraff, Tom Klamann, and Mike Solbyra. High game for the meet was rolled by IIT’s Elliot Silber, a 225.

The next match for the Tech

- Suicide

(Continued from page 7)

In 1963 a national survey indicated that only 76 colleges and universities offered student counseling by a professional psychologist or psychiatrist, and at large schools where these services were most likely to be available the percentage of students served tended to drop.

The “Moderator?” study found that their campus mental health facilities have not significantly improved.

“The college at the same time must hire more mental health professionals. The first gives students the opportunity to discover; the second gives the student the opportunity to fail. Both are necessary. Combined they would cost no more than an annual subscription to ‘Playboy’ for each student.

Two national efforts singled out for praise in the article were those of the National Institute of Mental Health (NIMH) and the United States National Student Association (USNSA). NIMH has begun to face the problem of suicide head on by creating a National Institute for Suicide Prevention. The NSA is launching a series of campus self-study programs to more precisely define the problems of student stress and try to discover solutions applicable to these individual campuses.

VARSITY HARRIERS DEFEAT TRINITY

After a slow start, losing their first two meets, the Illinois Tech varsity cross country team emerged victorious in a triangular meet against Illinois Teachers College and Trinity Christian College Saturday, Oct. 22. The meet which was scored as three separate dual meets and as a triangular meet, was run on IIT’s three mile plus lake from “home” course.

The final scoring showed the Tech, 26, ITC 29 (low score wins in cross country), and Trinity Christian 30. In the triangular scoring, IIT was again victorious with IIT 36, ITC 42 and Trinity 43.

Top finishers for Coach John Mathy’s men were: Dick Oldani, who ran 3rd with a time of 16:46, Ken Miner 4th (16:57), and John Harper (17:13).

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Mr. Ward Speer will be on campus Thursday, November 10, 1966 to interview interested civil, mechanical, electrical (power option), and architectural engineering students. Make appointment through placement office.

ASK PLACEMENT OFFICE FOR BOOKLET, “Your Doorway to Diversified Engineering and Contracting,” which describes in detail the career opportunities available at Rust.
TECHNOLOGY SPORTS

Sigs, AEPIs, Victors in IF; Championship Play is Next

In the last week of regular play in IF football, AEPI defeated Triangle 12-6 in a battle for fourth place in League II. In the first half of the game, Sam Brillant intercepted the AEPI’s and followed up with a 20 yard end sweep for the score. In the beginning of the second half Triangle got on the score board with a 10 yard pass play to Tim Jarvis. With two minutes left in the game, Brilliant threw a pass to Jerry Feldman from the 12 yard line, and put the game on ice for the AEPI’s.

In a hard fought defensive game, the Alpha Sigs beat Theta Xi 12-0. The first Sig score came in the first half on a pass from Bill Baubock to a diving Jack Bernard. The final Sig score was a bomb from Baubock to Gary Elman.

Next Tuesday the winner of the Pi Kappa Theta Xi game will meet League I champion, the Alpha Sigs. Next Thursday the winner of the Delta Sigma Pi play-off game will meet the League II champions, Phi Kappa Sigma. The winners of these two encounters will vie for the IF championship on Sunday, Nov. 5. All the remaining games will be played at Armour Park. The semi-final games will be played at 5 p.m.

Senior Arch, Newman Club Teams Win in IM Football

In intramural football this week, the Senior Archonians shut out the Navy ROTC’s B team 28-0. The Archons scored on two touchdown passes, both by Davis. The Middle defense failed to get rolling against a strong Arch offensive line.

The Newman Club squad defeated the Commissary Falcons 12-6 in another game played this week. Playing well on defense, the Newman team scored both touchdowns on pass interception returns by Krauss.

Going into the third round of the single elimination tournament, AXE will play the NROA team, the Senior Archonians will play the FPE squad and the Newman Club will take on the winner of yesterday’s Air Force ROTC and North Com mission game.

Varsity swim practice will begin on Tuesday, Nov. 1, at the Valentine’s Boys’ Club swimming pool located at Thirty-fourth and South Emerson Streets. Coach Erikson has encouraged the 37 boys who have shown their interest in swimming to check the list in the athletic department or to contact him personally if they are going to participate. Returning to this year’s team is captain Steve Keller, who worked hard last year to have a good season. Winning a meet in his last season, Mike Fritz is returning as is Mike Hino, who was a part of last season. Also back from last years squad are Gene Schoenendorf, Harvey Feldman, Paul Miklos, and Carl Sutonl.

With our first meet Dec. 1 against Wilson, the season’s schedule has been set up to give us an opportunity to have a better than average season. Coach Ted Erikson said the swimmers have a lot to gain by supporting the team, and with a little work, accompanied by good grades, can make a good showing this year.

Other meets this year include: Dec. 6 against MIT, Dec. 10 against Rockford College, Dec. 13 against Wright Junior College, Dec. 15 against Elgin Community College.

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Chamberlin Appointed Asst. Lib Arts Dean

Dean Hans O. Mauksh has announced the appointment of Richard K. Chamberlin as the Assistant Dean of the College of Liberal Arts.

Mr. Chamberlin, a psychology major, is a graduate of the University of Minnesota and Northwester University. He received his masters in psychology recently. The study of the aged at the University of Chicago, where he is presently finishing his work on a dissertation.

Before coming to IIT, Chamberlin worked in research programs with Richard Havighurst, who spoke here recently. He was also a part of a research group that has studied the psychological effects of "memory loss" in the elderly. The group has also developed the design and methods used in the study of the aged.

Assistant Dean Chamberlin is also active in advanced genetics.

City Housing Authority Needs Help For Tutoring Projects in Vicinity

The Chicago Housing Authority is interested in recruiting college students to serve as volunteers at a number of CHA project sites, some of which are in close proximity to the IIT campus.

Miss Dorothy Sanders, Coordinator of Training Programs for Peace Corps, Peace Corps recruiters are presently in the area. Interested persons should contact the Peace Corps representative at the University of the Hub. Any one applying on campus will learn from the Peace Corps by Jan. 31. The representatives served with the Corps previously.

The CHA, outlined the Housing Authority’s need to Technology News. She said, “Tutoring is one of the most popular and satisfying forms of volunteer service as well as one of the most essential at this time. We have found also that college students, because of the obvious value they place on education, are a particularly good influence upon children in the tutorial situation.”

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Thirty Nominees Chosen for 'Who's Who; Students Selected for Grades, Service

The Who’s Who Selection Committee has released the names of IIT students who have been nominated for the Who's Who award. Their names will appear in the Who's Who Among Students in American Universities and Colleges.

The 31 nominees included: Robert Stone, Douglas Stuart, and Janine Swiler. Students were chosen on the basis of scholarship, campus activities, and service to IIT. The objective of the selection committee was to choose people who have given of themselves and done more than just academic work.

Members of the selection committee were appointed and approved by the IITSA. This committee attempted to select, for the Who’s Who nomination, students from all phases of campus life and activity who were most deserving of the honor.

Registration Change Discussed by ITSA

New proposals to handle the old problems of an ITSA Calendar and of registration of events were made by social chairman Rose Brewer at last Wednesday's ITSA meeting.

The new proposal included the registration of all events with the HUB. The HUB director would then notify the Director of Campus Services of the events. Registration would be on a preferential basis only during the first few weeks of the semester and then would be open to all campus organizations.

Rose Brewer's report included a proposal that a meeting be held during the first week of the semester to establish the following semester's calendar. Representatives of all organizations which want events listed would be required to have a representative at this meeting. The report was recommended that only one proposal be given a date for an event to be held.

Dean Barnett pointed out that all events must be registered directly with the office and suggested that the latest proposal be allowed to allow for such registration.

The Student Investigating Committee announced that it was undertaking the checking of prices in the campus drug and gift store.

Fratography Research Aided By New Electron Microscope

The acquisition of an electron microscope, with magnification power of up to 50,000 times on a selected area, in the department of metallurgical engineering at Illinois Institute of Technology was announced last week by Dr. Paul Gordon, chairman of the department.

The model JEM 7 electron microscope, manufactured by the Japanese Electric Co., Ltd., is the first of its kind in the Midwest, according to Gordon. It was acquired through the use of matching funds made available through Title VI of the Higher Education Act of 1965, which is administered through the US Department of Health, Education, and Welfare, and ITT money.

William R. Warke, ITT instructor in metallurgical engineering, will use the microscope in frapatography, the study of fractures in metals. In the study of the internal structure of metals, as well as a magnifier, Warke explained that such studies are also extremely useful in determining the causes of plane crashes and ships breaking up at sea.

The microscope, which is being placed into operation by industry, research laboratories, and for education, and that the ability of the microscope opens this opportunity to IIT students.

The JEM 7 electron microscope.