Efficiency Achieved through a Team Effort

by Dan Halse

The 127 entry in the Urban Vehicle Design Competition has been a team effort. The students involved have worked to integrate their efforts into the "transportation system." A brief sketch of the system and its various sub-systems follows. A description of the power system is included to aid the reader.

"This issue is the final edition of Technology News for this semester. Any person who has submitted material, photographs, etc., and wishes to have them back should contact Black Milosevic at 382-9323 before May 12. The paper, resources publications in the fall; have a pleasant summer!

A power system was designed to maximize power transfer. This means that the power supplied by the hydrogen is equal to that consumed by the motors and that used for recharging the batteries. By maintaining this matched condition, very little energy will be wasted and no stored energy has to be stored.

One question that the reader might ask is "why a hybrid system?" The basic advantages of hybrid systems are reduced emissions, smaller heat engine, greater energy efficiency, increased maneuverability, greater safety and reasonable breaking. The next logical question that one might ask is "why do they use batteries." The batteries are used during the acceleration period.

It all comes back to the efficiency question. When the accelerator is depressed, its new position indicates the desired speed. The electric motors need more power to accelerate at that proportionally high rate. To supply this power at the most efficient rate, the engine-generator unit needs to move faster. While the engine-generator speed up, the batteries supply power to the electric engine. When the proper engine speed has been reached, the power going to the accelerator position, the generator again supplies power to the motors.

The team found that it is desirable to use the batteries as little as possible. The engine must, therefore, be able to supply the speed up, the load the generator on the engine is reduced (by reducing the engine field current). The engine, now seeing a lower load, and more gas supplied, speeds up quickly. The load is gradually reduced as the actual speed approaches the desired speed indicated by the position of the accelerator.

During deaceleration, the transition period is a little different. At that time the electric motor acts as a generator and supplies power to the batteries. The generator's load of the engine is increased and the engine slows down. When the desired speed is reached, the generator reverts to supplying power to the motors.

Circuits have been developed by team members to provide the necessary controls for the above operations. One circuit controls the generator. Another circuit, the SCR power changer regulates the power delivered to the motor, as determined by the accelerator position. Controls have also been devised for the engine and the electric motors.

The paper is in the design and manufacturing of the car. A 3-D drawing of the car appeared in the March 17 issue of Technology News. A mock-up of the car was made. The various circuits and the engine were simulated on a computer. Tests are now underway to evaluate the structural and mechanical systems, including the linkage of the electric motors with the wheels.

The present status of the project is encouraging. The hydrogen engine is able to run for an indefinite period of time on compressed hydrogen. The SCR power changer and logic circuits are connected and operating in the final version of the car. The car is the only one wide to be built.

An analog computer has been added to the power system. The computer calculates the engine and motor speeds, as well as the battery state of charge.

(Continued on page 4)

ATS Approves Separate Communications Board Setup

ATS has endorsed Communications Board's decision to make C and an independent committee, separate from ATS.

The endorsement came during the Assembly meeting on Thursday, April 27, one of the two last of the semester. The new CB will have nine members each of whom will be appointed by the following publications (TN, WN), WN, T), one from the Faculty, one from the Dean of Students Office, and one from University Relations. The Assembly also voted to encourage the Dean of Students Office and CB to negotiate with ATS to add ATS membership on, but control of, Communications Board.

Also at the April 27 meeting, John Green, Chairman of the Orientation and Admission Committee, announced his plans for the fall 1972 Orientation Week. The week will run for four days, Sunday through Wednesday, with fewer unnecessary counseling meetings. There are plans to encourage male median of the fall 1972 Orientation Week, and to get incoming freshmen registered with the registrar, and let incoming freshmen register ahead of all other registrants. These plans have all come out of committee, without objections from the Dean of Students Office.

A motion introduced by the Executive Board, the 1972-1973 Student Activities Budget was reviewed at the executive Board in the total $5,000.00 was added previously. The Assembly then approved the modified budget proposal of $48,800.00. At this stage, the proposal is not to be funded through this budget if it is to be published. More or less from board reported that Rob Tramblay, currently Assistant Editor and Editor-in-Chief, is the editor of the yearbook for next year.

The Assembly also decided that the writing campaign for Joe Ocloche for Assistant Treasurer in the recent election was valid, and gave Ocloche the office. Currently an Assemblyman, he has promised to vote for one of his constituents for the remainder of the term while he takes his place on the Executive Council.

At the meeting on May 3, the last of the year, the Assembly voted for Diana Matina and Frank Zeiner as ASI and student members of the University Student Council. At the same time, the Assemblyman of the student members of the University Student Council — even though both are ATS members (Brock as newly-elected Vice-President, Matina as Assistant), of the four students applying for the two position, one will come from the ATS Office or Assemblyman. Also confirmed for next year's council are Chuck Hase and Joe Ocloche (ATS Executive Council), Rich Mikolaich, Mike Walsh, Lisa, and Tony Dugan.

New PAC Board Named

This week the new members of the President's Advisory Council were announced. Chosen were eight students and eight faculty members.

ATS President, Chuck Hase begins the list of students. Hase, a sixth semester Biology major, has been involved in the student government as chairman of Education, Affair, Justice, and Affortions.

Ken Hazlett, fourth semester Architecture major, was the president of the newly-formed CTA consumer organization. Earlier in the year, he worked with the CTA Board to revise the CTA into its present form. He would like to use his position to "explore the possibilities of establishing a student government for independent administrators of all administrative controls.

Data Broach, third semester Psychology major is the newly-elected Vice-President of ATS. He was a previous member of the PAC Board and also worked on its revision. His other credits include being a Technology News editor.

The youngest member of the group is freshman Frank Zeiner, third semester. Zeiner, a third semester Business major, has joined the new PAC Board as a student member.

This year's edition of the yearbook, "In the Bike," will be mailed to the home address of all the people who paid for a yearbook earlier this year. The yearbook will be delayed slightly, and the book will come out somewhere between June 15 and July 1.

Also, additional copies of the yearbook will be available in the campus bookstore for those who did not purchase one before.
Dear Dr. Reteltala,

At the end of the present semester I hope you will graduate from IIT with a major in Philosophy. But I shall not have exposure on the very good aspects of this institution, but instead I would like to call your attention to the absolute lack of an intellectual climate here. In four years as an undergraduate I have encountered several faculty members who have certainly encouraged the use of one's innate curiosity, notably the members of the Philosophy, History, and Russian sections of the Humanities Department, that as can be exposed of your administration truly irresponsible actions have led to a number of cases where, in all respects, resignations, look into the future I see very little hope for the Humanities Department unless either you radically alter your own policies or land your resignation.

You have consistently run IIT as a business rather than as an institution for higher education. Finally, if possible, I have obtained an education at IIT, it will not have been because of the administration's efforts but in spite of them.

Sincerely,

Thomas Heinrich

Dear Sir,

I would like to express through your column my appreciation for all those members of the faculty, administration, and student body who helped me so much at Parents' Day on May 21st. It was a very pleasant occasion, very helpful, and of course, to prospective students and their parents. We are particularly grateful to those students who acted as guides and as hosts and hostesses for the evening program.

Sincerely yours,

R. M.

Dear Editor,

As a concerned student of The Illinois Institute of Technology, I feel it is my obligation to inform you about the poor quality of the pinball machines in the recreation room of the HUB.

At present, there are only two pinball machines manufactured by either Bally or Williams. I strongly believe that the administration is responsible for the poor performance of these machines.

Sincerely,

K.J.F.

Dear Ed,

At the April 27th meeting of ATS a week ago Thursday, the ATS Communications Board was held in the Assembly and proposed that C& should become an organization separate from ATS, completely independent. The Board felt that it could operate more effectively without having to be responsible to ATS for its actions.

Somewhat surprisingly, the Assembly approved this proposal almost unanimously, permitting Communications Board to handle publications affairs on its own.

Technology News does not object so much to the new separation of

A Little More Consideration

power as much as to the manner in which it was accomplished. The ATS meeting at which the proposal was put forward occurred on a Thursday when the Communications Board at least a portion of it arrived at their decision about a week earlier.

However, there were no representatives from the publications present when the matter was brought up, and when the vote was eventually taken. The publications were later contacted individually, almost as an afterthought. They had been present earlier at the C& meeting.

In the future, we recommend that Communications Board, or any other organization for that matter, make sure that they at least try to get the views and opinions of the people or groups involved before they take action on anything which may affect those people, instead of operating in secret from them.

Technology News

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Deadline for all articles, announcements and comments is 10 p.m. on Tuesday before publication.

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California White Wine & Natural Fruit Flavors
Gallo Vineyards, Modesto, California
The Dublin

Crosby & Nash, Stills, etc. Money grubbers yet

by The Dublin

Lately, you hear more than a little low on cash, I've been down right broke. Some albums are not as cheap as some of the ones on them. I've been having a hard time doing my job of informing you (I think) how good.

Wagner Receives Award

Dr. Edward F. Wagner, vice-president and general manager of the Organics Division, Wilmot Chemical Corporation, New York, will receive the 1972 J. C. Chiem-
non Honor 1 athletic award of Illinois Institute of Technology, Alumni Association in ceremonies here May 6, during the Association’s annual reunion on the ITT campus. The award is given to the alumnus or alumna who exemplifies the spirit of intercol-
legiate athletics carried on after graduation to achieve professional success.

Dr. Wagner received a bachelor of science degree in chemical engineering from Armour Institute of Technology, now part of ITT, in 1938. He received a master of science degree, in 1940, and his Ph.D. from ITT five years later.

He joined Wilmot Chemical Company in Chicago in 1945 as technical director, advancing to plant superintendent, manager of the technical service department, manager of development and, in 1964, vice-president of organic chemical development in Chicago. In 1968, he was named vice-president and general manager of the New York Corporation.

Dr. Wagner follows the alumni of Illinois Institute of Technology.

Urban Vehicle

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Russia Sponsors Coffeehouse

by Rick Moneta and Eric Schott

On Wednesday night, April 26, the weekly coffeehouse at the St. James Reitory was once again graced with the considerable talents of Rick Welland. Well-known as a doctoral candidate at the University of Chicago and Instructor of Computer Science at IIT, Rick sang and strummed his guitar with past midnight, exposing a front of himself unexpected by many of his students. The coffeehouse, known as "The National Coalition of Unrecognized Cosmic Martyrs - Feed Out of Ruam" (NC — UCM — FOR), is held every Wednesday night and features coffee, tea, pancakes and a traditional coffeehouse atmosphere.

Last week about 30 people were present, with others wandering in and out continuously throughout the evening. Bowls of popcorn were brought back and forth, but most everyone seemed more interested in the entertainment than in finding the facts. Rick Welland's presentation varied from soft folk ballads and love songs to rousing drinking songs and sea shanties, in a voice whose range is somewhere between tenor and bass.

His articulate spirit evoked enthusiastic audience participation in singing and dancing along on "Green Grass," "What Do You Do With a Drunken Sailor," and others. Several there were apparently folk singers themselves, for they seemed to know the words to some of the more exotic folk tunes.

The coffeehouse, open Wednesdays from 7 p.m. to 1 a.m., is operated by the United Campus Ministry, the Newman Club and the Fellowship of Reconciliation (FOR), an international pacifist organization, which has recently established a chapter on campus. IT students, faculty and staff as well as all members of the South Common's community are welcome to participate.

To Find A Man

by Pat Williamsen

Andy is a wonder boy of sorts. Valued by his classmates for his good looks, he is also a leader in the football team. He is considered a role model by many of his peers. However, there is something about Andy that sets him apart from others.

Rosalind is the girl next door, and although Andy is a gangling adolescent with acne and acne, Rosalind is naturally well-endowed in all directions far beyond her years. Andy has a maid who follows him around and picks up after him. Rosalind has a mother who follows her around and picks up after her. Partially as a result of this, and partly as a result of her own naivety and natural sensuality, Rosalind also has an unwelcome pregnancy. Andy is not the father but Rosalind is willing to give him a chance to show his love by getting rid of the baby.

Andy's solution, which is an abortion, is not particularly ingenious since it is the state of New York. However, complications arise and Andy's demands on Rosalind's behalf are entertaining enough to make a movie out of. In fact, something did. It's entitled TO FIND A MAN and it turned out only slightly amusing.

Certainly, the movie is primarily about Andy's transition from the self-centered, demanding infant to a more mature, sympathetic adolescent, but the digressions along the way are disturbing. Taking a very critical slant on abortion, the film offers the impression that abortion agencies, both public and private, are generally callous and that the clients they serve are unmindful or indifferent to the significance of such a decision.

Rosalind asks Andy to try and schedule her abortion around an appointment at the beauty parlor and when finally in the doctor's office, she wonders that she should have to take her clothes off. When Andy comments that the gown he's been given is paper, the doctor comes back with "people dispose of everything nowadays." Youth's prudery is another target. All of Andy's friends are depicted as selfish, frivolous, hedonistic. They don't offer Andy any help in solving his problem but one asks, "don't you have a name?" Andy says "maybe she'll do it with me." At one point Andy says "it's not like she's going to have sex with me ever again," and this is met with laughter from the audience. After Andy has succeeded in getting the abortion, all his friends rush home and offer him in return a blank check for her sexual favors. Andy, of course, graciously accepts but bids her farewell, ending the movie on a hopeful note.

(Continued on page 6)
The 3rd (Last) Annual IIT Gress Report

by E. Michael Blake

This will be the last time that I go back and look at the world-line and analyze how IIT has grown. Columnists everywhere have pre-gasped or pre-genre.

1971-72 saw so many changes that it seems impossible to predict. The first thing that happens is that the Smiths live in the place where they are. After the Smiths left, the community of people who used to live there is gone. The Thrift Club went into liquidation, the family church service and Playtime were not held, but reappeared when it was asked for. More issues involving IIT apartment residents—specifically the request for lock changes—are still pending for the writing. But now we need to get to the point where the Commemorative Newsletter is sent.

Big news institutionally was the number of students chosen for the 72-73 curricula, through the various expansion orders. President George Martin, in his two years building the 72-73 slide, has worked with a gentle, methodical resolution which is just emerging, or as a lowly E & P staff person, I have great academic expansion, and responsiveness to the students there. However, it seems that the dormitory area, right out in the open, is not headed for a major change in the near position. I believe that E & P will become even more active—though our attendance is a lot worse.

As an aside to most of the E & P options, there is more growth in the Harold Leonard School of Management and Finance, which is a rather cumbersome way of saying "E & E". With the resignation of Tem-Gator, the design remains in turmoil. As an example, where accreditation is still doubtful in the minds of many, I can’t help wonder whether a University College status alongside E & P might not, with some courage, go into the dormitory area as well.

With much failure and rebuilding inside, Alan Handler and I moved into the new Pratte Environmental Studies Center—

PROBLEM PREGNANCY ASSISTANCE

Women's Medical Assistance (WMA) is a self-supporting organization whose mission is to ensure that these women provided with medical care. WMA maintains a list of obstetricians, gynecologists, and gynecologists who have agreed to provide services at reduced costs. This list is updated every six months. The WMA director, Mr. Alan Handler, is available to assist women who are pregnant and need medical care.

APPLY NOW

To find a Man (Continued from page 5)

The sort of stereotypes perpetuated in Rosalind and her mother should be examined seriously. In some cases, people can find themselves in relationships that are not healthy for them. It is important to address these issues and work towards creating a more equitable society.

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Doesn't General Electric realize the days of enormous corporate profits are over?

There was a time, fifty or sixty years ago, when a major corporation in America might expect profits of twenty or even twenty-five cents on the dollar.

Those days are over. But not everybody realizes it.

What would you call enormous?

In 1970, Fortune's Top 500 industrial corporations, when they realized an average operating profit of about 4 cents on the dollar, General Electric fared slightly better than average. Last year, our profits amounted to about 5 cents on the dollar.

We are occasionally attacked, along with business in general, as being “too profit-oriented.” People argue that if social progress is to be made, business must make it. And that profits stand in the way of social progress.

We would argue quite the opposite.

The business of business is not just business.

The purpose of a business, as we see it, is to produce and distribute necessary goods and services to the profit of society... and the business itself. A business must reflect society's needs. Economic, political, legal, and moral, as well as social. It must change as society changes and, to some extent, influence those changes.

But if social profits and the business does not, the business will fail in the short run. It will have no operating funds.

How much profit is enough to keep a business operating? How much is too much? It's hard to say.

However, the companies making only marginal profits are not the companies providing new employment, creating new products or adding to man's security and technical knowledge.

Marginal companies are not the ones making the important contributions of today. For a simple reason. They can't.

No responsible company wants a return to the days of the robber barons. No responsible company wants “enormous” profits. But no company can survive without the profit system.

Why are we running this ad?

General Electric is a big, technological company, with the capabilities to do a great deal of problem solving in this country.

We think profits have a direct effect on our ability to solve problems. But we realize the existence of profits is one with two sides. By telling you our side, we hope we've moved you to think about your side. Perhaps even write us about it.

We'd like to hear what you have to say. Please write to General Electric, Dept. 901 290 Livingston Avenue, New York, N.Y. 10021.
Lost C. S. Book, Limericks, Grains of Salt, C S A C N

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Excerpts From the Floor — ’71-’72’s TN Rejects

by Chuck deWhaiting
Clean-Up Editor

Well, folks, TN has reconciled through yet another year. It was a time of great turmoil, tense conflicts, and cold pizzas. And all years, unsolicited items were stuffed under the door. It’s possible that the editors intended their documents to be pursued for consideration, perhaps to get their words in TN. But all that stuff piled up on the floor, it was too easy to just grab a few shoeboxes and haul ‘em up into a real nifty carpet.

However, now we’re cleaning out the offices (i.e., the outgoing staffs are making off with everything that isn’t nailed down). I got the carpet. Last night, I started to read it. In tribute to the contributors, I will now list excerpts from the carpet (in fact, the entire item is now receiving national attention; it will be published worldwide by Burlington Mills).

"Peanuts — Just Slightly Ahead of Our Time," by the ITBG Government in Exile: "...read the speech that which is Delta... everything..."

"Green Pastures," complete scenario of Bietlows’ first movie, with annotations and dirty dialog comments in the margins, by Charlie Baud. "...now, this is an absolutely true story from Fournier High School... so the guy says, "Wheatly do if I’ve been on fire?"... all sorts of wet masses... it’s eighty cents..."

"The Gospel According to Mild," retold down through the ages by Father John... "...suffer them to come outside and worship the Lord..."

(Fun for the kids... so that I may keep God’s hat..."

"The Merry Wives," by Frac Juli;... all three suites from Hyde Park... she must marry a Techent..."

"Bite into Spanáda, Juicy!"

One sip and you’ll know why we call it juicy! Spanáda is flavorful red wine drenched with the flavor of juicy oranges, lemons and limes. Chilled. Over ice. Over and over again. Drink Gallo Spanáda, Juicy.

Gallo Vineyards, Modesto, California.
Mayer, Lucas, Stanis Techawk Elite

(Continued from page 12)

through, and the Crusaders topped 7-3 and 10-8 victories. Whinston quickly overcame a 2-0 ITT lead with five in the second, to coast to the win in the opener. Bruiser Graham was hit hard, and though Bill Graham kept Whinston off balance for most of the game, the damage was done, as ITT could not play catch-up. Bill Corrigan rocked his first three-run and 9th hit of the season that day.

Graham impressed the coaches with his first game hitting, so he started the second game. No same result, however, and B.U. got blunted by a four-run Whinston first inning. But for the first time in the game, the Hawks came back. Joe (Woodstock) Whinston led off with a fielding error that put the lead, in an error, for the Whinston. The second and third base runners scored and the ITT batters authored a two-run single, as ITT tied it up 4-4. Then the Techawks took a 7-4 lead with two runs in the third. But the Hawks couldn’t hold the lead, as several errors paved the way for a 10-8 Whinston win. The evening and pitching both unraveled, yet wanting ITT’s hitting performance in two games. First game: Whinston, 7-4; ITT, 3-6. Second game: Whinston, 10-11; ITT, 8-10.

Hopes for success in the Chicago- lanti Tournament were dashed when the Techawks lost to Chicago State 5-4, May 7. Colleens were down 1-0 in ninth, but Gary Linzenmayer, Jim Dime and Dave Lutz, kept the Hawks in the game. The Techawks came back for three runs in the eighth, but fell short. Lutz pitched excellently, but the defense and catching left something to be desired. ITT got two hits each from Whinston, Johnny Rodgers, Max Mayer. The Hawks came back, and were in the ballgame all the way, but couldn’t correct the for the victory. CSU, 5- 10-2; ITT, 4-10.

Lewis was the odd-on favorite to top the ECC tourney crown. The Flyers seem to be the class of the conference, but their road was fraught with some good baseball teams. In the semifinals, a tough battle, ITT was forced to play against the better of the two remaining teams. Their only hope was to hold their lead, and they did. The Flyers scored five runs in the third, and the ITT batters couldn’t score enough.

Woodstock Whinston has been called ITT’s best hitter of late by Coach Delgado. John’s 10-1 hit and 9-RBI effort was the high point of the game. Bruce (Four-Zero) Corrigan is a first baseman on which ITT relies heavily. His performance was very good, going along with his hitting potential.

Timmy Cobrach has shown a lot of spirit, and none too little credit should go to the bench. Phil (Koopy) Milne, Tom (Koopy) Kaup, John (Koopy) and Steve (Koopy) Smith, have given ITT a good depth.

Coach Delgado had special words for his co-captains, Rod Stanis and Don Lucas. Stanis always battles, always gives 100%.

If all our players had their hearts in the game like Rod, I’d have no complaints," was Coach Delgado’s tribute to the hard first baseman.

Lucas remains ITT’s best pitcher. "You keep your head, and Lucas is that ITT.

Harv Ends Year

(Continued from page 11)

Hawks is F. Michael Blake. Mike will work for the service, but his instructors will hopefully not be needed. He’s come a long way from being a more “bashful”, and I have learned a lot from him.

And you, too, Rick Maxi, without whose help we would not have put this out there to more Technology News than just ourselves, personally.

All in all, it has been a satisfying year for me, as Harv Sea class, our second year (and a fraction) in TN. Having been named a “.yahoo” along with my fellow sports writers by a certain amateur professional club, who shall remain nameless, and ranked among the all-stars in his division, I have no one to thank but my staff. I feel also grateful for the events of 1971-72. Our athletic teams have made great strides, and their presence of more organizations in 72-73. I feel it’s a privilege being able to write this column, and I thank all those who help me keep it going. Have a great summer, and take care. Shalom.

The Meter vs. U.S.

A perennial problem that besets all engineers and scientists in America is the meter system. This is presently in effect throughout the world. In all major countries except the United States and Great Britain, the metric system is used. Two exceptions nations making use of the foot and pound as the basic units of measurement. As modern technology evolves and specialists, the need for a common measurement standard becomes increasingly important especially as far as the United States is concerned. For several years now, prominent people in government and industry have predicted that the U.S. will be left behind among leading industrial nations of the world due to its inability to adequately communicate with metric nations.

There have been some efforts in the past to try to remedy this ever-growing crisis, but they’ve failed, mainly due to the scope of the problem. It’s been our policy official on the meter system, adopted last July, NSPE stated, “We are confident that the benefits to the future generation of conversion to the metric system of measurement will be encountered in the transition period.”

PREPARED BY
C.P. Ritter
Page 10
May 5, 1972

OUTLOOK 72
A Free Public Meeting

HEARD 4 distinguished newsweat tell what they see behind the news.

...then ask them questions.

John Hughes, Pulitzer Prize winner editor and 3 staff correspondents of the Christian Science Monitor will give this public service presentation.

International Amphitheatre
Mondays May 15th 8 P.M.
FREE PARKING (West side of building)
Netters, Golfers, & Bowlers Close Year

by Harvey Schmitz

Carrying an 8-10 record into the season's final game, the ITT golf team has nonetheless shown well in the 1972 campaign. Coach Jim Nellis' club is not yet in the ebullient of Chicago-area golf giants like DePaul and Loyola of Illinois-Chicago, but has battled the entire year and is beginning to show real signs of improvement.

The Techhawks won two of six games last week, as they now move into tournament play. The Hawks, who cancelled their meet Friday against Loyola and Roosevelt, will instead travel early to Elkhart Lake, Wisconsin, for practice rounds on the Quo Oui golf course, in anticipation of the Lakeland College Invitational tomorrow. The Techhawks play next Monday, for the NAIA District 20 meet at Silver Lake. The season comes to a close next Friday, when ITT takes part in the Chicago Collegiate Conference Golf meet, also at Silver Lake.

On a day when most of the scores held, the Techhawks managed to score a high of four victories, Tuesday, April 25, at Cheyney State. ITT won with 152-154-154, and tied for second with Fair-Dale, 152-171-171. Medalist for the Hawks this day was Steve Barlow, who shot 69 for the hat trick.

On the fall, the Hawks shot 85-157-153, for fifth place, and tied for second with Fair-Dale, 152-171-171. For the year, ITT won with 152-154-154, and tied for second with Fair-Dale, 152-171-171. Medalist for the Hawks this day was Steve Barlow, who shot 69 for the hat trick.

On April 26, the Techhawks won a 54-2 decision at Rockford, and their losing streak to four with an 8-1 loss at U. of Illinois-Chicago April 29.

With new enthusiasm generated for the tennis program, next year should be a successful one at ITT.

BOWLING: Coating the hardware from Northern Illinois, the ITT bowling team capped a very successful 1971-72 season with a sixth-place finish in the Midwest Intercollegiate Bowling Conference playoffs April 30. Eighth individual trophys, and the team trophy for their third place in the regular season finish, were won by ITT.

On the year, the Hawks finished with a 61-27 record, and a point behind U. of Illinois-Chicago, and eight behind champ Loyola. Individually, senior Glenn Bledy led the second half game in the league (246), Andy Bledy was tied for third (238), and Joe Vilmans was tied for the fourth highest game (238). Bledy had a 190.35 average on the year for seventh place; Vilmans, 181.20 for tenth, andcapitve Gary Kowal, 180.9 for eleventh, all won trophies for their rankings in average.

In the tournament, ITT matched (Continued on page 11)

Reflections of a "Yahoo"

by Harvey (Tom) Schmitz

For the second consecutive year, ITT athletics will feature a new look in the baseball and basketball areas. The man who has directed the fruits of the last two years, Tony Delgado, is leaving ITT for the stronger lure of his alma mater, Lewis College. In the past three years, I have had many opportunities to work with Tony Delgado, and it has been truly a rewarding experience.

A wiry, intense competitor, Coach Delgado has instilled the same drive that motivizes him into his ballplayers. His technical expertise was only a part of his excellence as a coach. He has a friendly way of communicating, as he is a tremendous instructor. I will personally miss the camaraderie I feel I have had with a wonderful man as Coach Delgado. It should be strange seeing him on a different bench, but I hope to be secure in the knowledge of having his friendship for life . .

His successor, Rich Swanson, will hopefully be the target of this pen for a long time. Rich has exhibited a fine touch for the game of basketball and should continue on the great work done this year . .

It has been my observation that the job done by Ed Glancy has been magnificent. Athletic Director Glancy has done a superb job, introducing many new features and policies to upgrade the Athletic Department. A fascinating personality, Mr. Glancy has proven an invaluable friend to all the students at ITT.

Bill Fisher is officially assistant sports information director. He's proven to be a great friend and I am forever grateful for the fine work he has done. Bill is a sports fan de luxe and his assistance to the ITT athletic programs have been invaluable. Thanks, Bill, for your great job you've been doing . .

Another is in my own personal (Continued on page 10)

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Tennis Coach Harry Auel (right, foreground) presents award to team captain Ronaldo De Corral at Athletic Department dinner, April 30. Ed Glancy looks on.

TECHNOLOGY NEWS
Page 11
Page 11
Delgado Era Ends With Spirited Pillsockers

by Harvey Schenck

Once upon a time there was a boy, hardly bound of Tallmadge. There was a rival Techauk, an assistant chief Techauk, 16 little Techauk, not so little, now one poppin' as a marauder. They cleared their way in a 5-2 record in their opponents' tally, and threatened to not only best the best record in recent ITT baseball history, but also its number one surprise among Cleveland area college baseball teams.

The Techauks moved onto the wilderness to play 11 more games, and could return to the reservation with only one victory. And that win ended a six game winning streak for the Hawks. They were thentabled four times more to reside at 6-16 on the year, with three losses for.

Hurry Saz! by Harvey Schenck, SPORTS EDITOR

Though they dropped 10 of their last 11 contests, they are quite unlike previous Tallmadge aggregations. In the past, ITT would run 27 games, and would set up a quick surge by the opposition would even be a 16-16 record. According to Chief, or, that's coach, Tony Delgado, are in their current and are building down to the wire.

“We're in so many more games than in other years,” Coach Delgado asserted. “We've not improved enough to have a winning season, but we've increased our forwards.”

As benefiting a couch with a 6-16 record, Coach Delgado prefers to look at the face performance his club has shown, as those againstoughs like Lewis, Loren, and Whittier.

He's had to look pretty hard, though, as the Hawks just haven't been able to put it together. The week of horrors began at Aurora, April 25, for a game to make-up the rain-soaked season's opener. The Spartans could manage only three hits, but the Hawks had no other way to drop a doubleheader at Whittier, April 29. The pitching and fielding didn't come.

U of Illinois-Chicago (on defense) is on his way to a semi-final win over Chicago State in DCC tourney. They meet Lewis at ITT yesterday for crown.

Faculty Romps in IM Softball

by Harvey Schenck

Snows and an outright defense clinching the Faculty intramural softball team stopped the IM softball crown Tuesday at the U of Illinois-Chicago Field. The Faculty scored fifteen runs, 5-15, opposing a team that scored the second with good running and left forty runs in the third. The win, breaking the Faculty's six-game losing streak, was clinched along by five IBC errors, including three in a two-run third that scored IIT's winning runs.

The second game was no bargain. Gillie Corrigan pitched another nine innings, his third consecutive solid outing, but lost 5-1, IBC committed seven errors, but the Faculty could only parry three of them into their own run. Again, IBC clutch hitting was missing. Meanwhile, for two errors gave the Eagles four unearned runs to cook Corrigan's goose. First game: IBC 3, Faculty 5. Second game: IBC 3-4.

Theats never change.

Thank goodness some things never change. Good things, like expressing yourself with a diamond.

And good things, like the 82 year old Hollands Jewellers policy of returning your money if you're not satisfied. Lots of things have changed, too. For the better. Like the latest cuts in diamonds, especially our exciting new heart shapes, and the latest selection of beautiful new settings that you'll find at Hollands Jewellers today.