

Senior Mechs No. 1 Take Lead In Intramural Softball Tourney

3-2 Victory Over Soph Mechs No. 1 Gives Them Undisputed Possession of 1st Place

As the intramural softball tourney moved past the half way mark it was the Sr. Mechs No. 1 who went into the lead, closely followed by the two Soph Mech teams, 1 and 2. The Sr. Mechs No. 1 took first place by virtue of their 3-2 victory over the No. 1 Soph Mech Team.

In the aforementioned game the Sr. Mechs came up with two runs in their half of the fifth to break a one to one tie that had existed since the third. Dan Gengo, first man up in the inning lined a home run over the right fielder's head. This was followed by hits from the bats of Jack Byrne and Bill Lenzi, the latter hit being a double which scored Byrne. The Sophs came back within one of a tie in the sixth when George Ehrhart tripled down the left field line to score a man from first. However, the rally ended at this point and the score remained at 3-2.

Previously in the week the Soph Mechs No. 1 had defeated the Sr. Chems by a score of 7-4 in a game that saw a complete collapse of the Chems defense. This was their fifth straight victory and represents the longest win streak of the tourney. Earlier the Sr. Chems had downed the Sr. Mechs No. 3 on a 4-2 count.

With the Chems leading 2-0, the Mechs rallied to tie the score when Bob Kidd singled with two men on base and continued on to second on an error. The Chems then came up

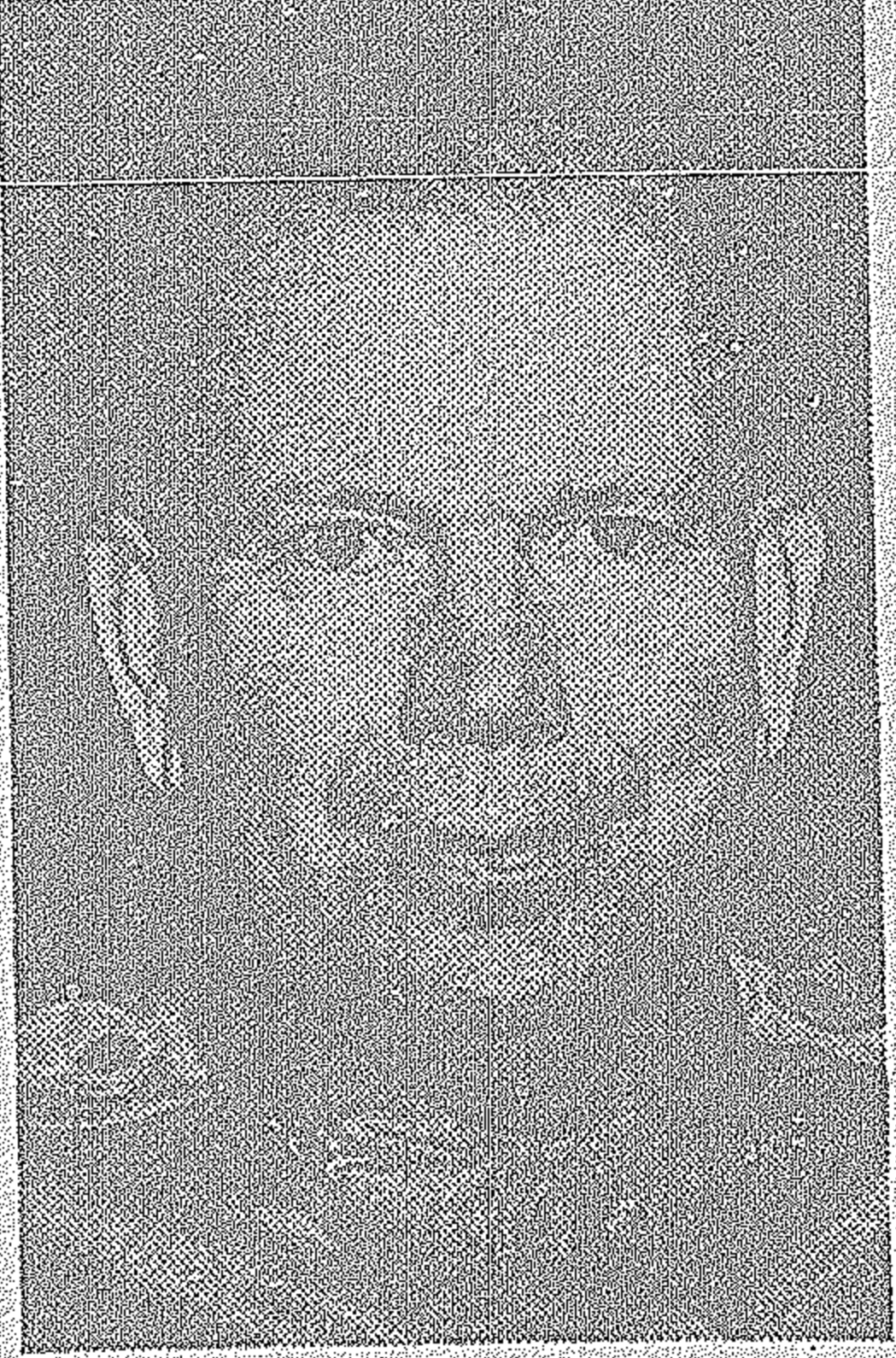
with two runs when Gordie Fleischer singled a man home from second and scored himself when Fred Hartmann doubled to left.

Keeping in pace with the leaders the Soph Mechs No. 2 beat the St. Mechs No. 2 by a score of 8-2 and added another victory when they won on forfeit from the Jr. Chems. The Jr. Electricals also counted two victories during the week to tie the Soph Mechs No. 2 for the third spot in the standings. One of these came on a forfeit while the other was a 14-8 triumph over the St. Civils. It was the second defeat of the week for the Civils, the other being administered by the Sr. Mechs No. 3 8-1.

In the week's other games the St. Mechs No. 2 took the measure of the Snug-Gibs 8-4, the Soph Chems beat the same team 10-3, and the Jr. Chems triumphed over the Soph Chems 12-11. The big blow in the Sr. Mech-Snug Gib contest came from the bat of Bill Fiddelke who smashed a home run with two men on, to give the Mechs a lead which they never lost.

STANDINGS		
SR. MECHS #1.....	6	1
SOPH MECHS #1.....	5	2
SOPH MECHS #2.....	6	1
JR. ELECTRICALS.....	3	1
SR. CHEMS.....	4	2
SR. MECHS #2.....	4	3
JR. CHEMS.....	4	4
SOPH CHEMS.....	3	3
SNUG-GIB.....	2	4
SR. MECHS #3.....	2	4
SR. CIVILS.....	2	5
JR. MECHS.....	0	11

ASTP Commander



Colonel G. B. Egger, new commanding officer of the ASTP unit on the Illinois Tech campus.

Schulz, Van Scoyoc Develop New Radio Analysis Equipment

Illinois Tech's signal corps program, in which 4316 persons have been trained since June, 1942, has not been devoted solely to the teaching of radio and electronics to Enlisted Reserve Corps men, it was revealed this week.

For behind the scenes, in the development laboratory on Illinois Tech's west campus, signal corps staff members have been constantly evolving new research projects. The results of four projects will soon appear in technical publications.

The greater part of the work has been done by E. H. Schulz, supervisor of laboratories for the signal corps program, and J. N. Van Scoyoc, signal corps instructor. Other signal corps instructors have assisted them in the work.

Heading the list of developments is an audio frequency phase angle meter, an instrument for measuring phase angles between voltages that may range from .5 to 250 volts and 20 to 15,000 cycles per second.

Drawing no appreciable power from the test circuit, this instrument may be used in measuring the phase shift through amplifiers and in impedance measurement. The device is expected to be useful in the study of regenerative amplifier circuits.

The harmonic analyzer, smaller and lighter than any such commercial instrument now available, is the second development announced by the two signal corps research men. This is a simple compact instrument for measuring the magnitude of the harmonic components of a complex wave of high voltage or current.

The harmonic analyzer's economic advantage over commercial instru-

ments is indicated by the fact that the device costs only about \$100, while a General Radio Analyzer costs more than \$600. In addition, the new device requires no complicated balancing adjustments such as those needed by commercial instruments.

The third development just announced is a new scheme for producing a frequency modulated signal. Van Scoyoc's original idea, this circuit makes use of a negative feedback amplifier and has two advantages over present circuits. First, the circuit does not load the oscillator tank, and second, a linear frequency deviation of 80 kilocycles may be obtained, while with present reactance tubes the deviation is limited to about ten kilocycles.

A radio frequency oscillograph is the fourth development by Schulz and Van Scoyoc. This device will function satisfactorily for frequencies up to ten megacycles, 100 times the maximum frequency for which most commercial oscillographs will function.

Units similar to the new oscillograph have been built in the Bell Laboratories, but an attempt is being made by the Illinois Tech instructors to obtain a much simpler unit than those built by Bell.

Schulz, who taught for five years at the University of Texas before coming to Illinois Tech, has been a member of the signal corps staff since June, 1942. Van Scoyoc, who has been at Illinois Tech since last August, designed and supervised the construction of much of the equipment used in IIT signal corps training.

Pi Kaps Lose To Alpha Sigs

In the battle for first place in the inter-fraternity baseball tourney, the Alphas Sigs eked out a 2-1 decision over the Pi Kaps for the undisputed lead. It was a pitcher's battle all the way, with Ralph Arboe getting the nod.

Moving into a second place tie, Triangle was forced into an extra inning to best Sigma Alpha Mu by a 12-10 score. Hits were the order of the day, but the power of Larry Magill, Bob Thoren, and Les Verkler proved decisive.

Delts and Rho Delts have not played their game as yet.

Team	W	L
Alpha Sigma Phi.....	3	0
Triangle.....	2	1
Pi Kappa Phi.....	2	1
Delta Tau Delta.....	1	1
Rho Delta Rho.....	0	2
Sigma Alpha Mu.....	0	3

ASME Greets Speaker With Record Turnout at Meeting

Ninety per cent of the active members of a departmental society attending a meeting—that is the new record set last Friday by the American Society of Mechanical Engineers.

At that 10:30-11:30 a.m. meeting, 126 people attended; the membership of the Illinois Tech branch of ASME, the third largest branch in the country, is 140 students.

"Technical and human—these should be the two sides to every engineer and to every engineering education." These words of Alexander Bailey, guest speaker and feature attraction at this ASME meeting, expressed the theme of his talk, "The Young Engineer in Industry".

Bailey, assistant to the vice-president of Commonwealth Edison Co. and a recognized expert on advising young engineers, says industry looks for men with common sense plus technical education. Industry wants men who show potentialities for future success, who can handle people, who can lead and be followed.

"The obligation of technical educa-

tion is to lift the weight of labor from the backs of mankind," says Bailey.

"Engineering education is sadly deficient. It doesn't show the engineer's relation to humanity. It should be more fundamental. Engineers should study humanity, psychology, and economics," is the opinion of Mr. Bailey. "Engineers should learn people and study people; after all the whole world is made up of people."

"Engineering is a service profession, dedicated to the service of mankind. Get away from the purely technical obligations of your work. Think ahead to the economic and social answers to your work problems, not just dollars or BTU's or Kilowatts," said Mr. Bailey.

Bailey reminded the audience of the survey made by Dr. Karl T. Compton, who checked 50,000 company executives and officials. Dr. Compton found that the engineering college graduates are 30 times more apt to find themselves in executive positions than the liberal arts graduates.

Shoe Tourney In Full Swing

All but two scheduled matches were played in the opening week of the horseshoe tournament.

In the singles division, A. Phillips and Dick Biederman, Al Petronis and Joe Donohue respectively downed John Burns, Angie Sharres, Shelly Young and Otto Krause.

Al Petronis and Bill Collins licked Lester Mandelstein and Pete Peterman in two straight in the only doubles matches of the week.

The singles tournament will be a single round robin and the doubles will be a double round robin. Complete scores must be turned into the intramural box in the Student Union lobby the week that the match is played.

This week's schedule can be found on the intramural bulletin board.

Koza Swings Out



Ken Koza, Soph Mech No. 1 dependable, swings lustily in an effort to keep his team ahead of the Senior Chems. Koza and his mates did a good job, winning 7-4.

75 Piece Band To Play Here

The combined army, navy, and civilian bands will soon hold a public rehearsal in the auditorium, O. Gordon Erickson announced today. The 75-piece band will occupy the center of the floor, with the students limited to the balcony and stage.

The army band is already organized and is playing regularly at rehearsals.

The navy band is also organized and will soon appear in a navy review, according to Erickson.

The civilian band joined with the army band last Tuesday night in a rehearsal of concert pieces. O. Gordon Erickson, orchestra director, advises students who enjoy vigorous band music to attend the special assembly.



By BACKAS

Hats off to the two top teams of the intramural tourney, the Senior Mechs #1 and Soph Mechs #1. If any of you haven't seen these two squads perform you have a treat in store. Both of these teams are well balanced, having a variety of hitting and fielding talent. Last Friday's game showed that these two are undoubtedly the best on the campus. The Senior Mechs have been a strong team throughout their college years and were expected to again show their strength but this Soph combination is a dark horse. But for their sake, don't bet on them. It seems to work a jinx on them and it doesn't pay you any dividends. (I know.)

Ogden Field (33rd and Federal) will be the site of the Army vs. civilians ball game this Friday evening at 5:30. Company B of the ASTP men have challenged the civilian squad named last week. This is the first of a series of encounters of this sort that have been planned, and there should be some interesting and lively games on tap. Standing room along the right and left field lines will be provided free. Let's get a spirited crowd to cheer the teams.

When I think back a year or so ago when the consensus of opinion was that an intensive physical ed program at IIT was impossible, I am amazed at the progress that has been made. These service men are really getting into condition. There probably has never been a time when so many athletic events were taking place on the campus at once. Much of the credit for this definite improvement goes to John Schommer, "Sonny" Weissman, Ensign George Martin and instructors Grant Stenger and Chiefs John Shannon and Fred Godfrey. The amazing thing is that these men are giving the boys the "woiks" and they like it. From the looks of most of them it must be doing them a whale of good.

There are some people that aren't showing consideration for the umpires of the softball games. Gripping and crying about every decision they forget that these few who are doing this unpleasant job were the only ones of the whole student body who volunteered to help. They are not paid for it and they call them as the see them even if they sometimes humanly make mistakes. Let's all give them a break!

Danny "O'Mar" O'Connell and Chief John Shannon have been trimming Ensign George Martin and "Sonny" Weissman in a regular weekly tennis tournament of their own. This same foursome has been playing singles and it seems that the Chief isn't doing so well against his superior officer. Last week he lost a 6-0 set. Quotes the Chief, "I'll moider da—Ensign next time."

A freshman track team has been organized and the green-caps would like to challenge any sophomore combination on the campus. What say, sophs, let's show them who the underpups are around these parts. Negotiations for a meet should be made with the frosh class president, Ray Lamentia.

Intramural tennis begins this week end and the schedule will be posted on the intramural bulletin board in the Student Union Lobby.