

By DICK LARSON

THE MATTER OF physics-lab reports has been a hot-bed for so long that I can't resist adding my two-cents to the situation.

There is no doubt in my mind that physics is one of the most important of the fundamental sciences. Its place in engineering is unquestioned. It should be given every bit as much prominence in the curriculum as possible.

But is the present method the way most effectively to present the course? I think not. If a truly comprehensive course, embodying all the fundamentals necessary for a sound engineering practice is to be given, it should be presented in two years rather than one.

NO ATTEMPT IS MADE to unduly burden the student in the lecture course. The study is fairly intensive, and the problems are not neglected, by any means. The subject matter is there, and must be presented. The course is treated sanely, with full realization that everything cannot be included in two semesters.

The lab, however, should be a supplement to the lecture, in my opinion. It should give the student a concept of the relationship between the theory he has learned in the lecture and the laboratory methods used in establishing or testing the theory. It should lead a student to a point where he would know how to proceed were he presented with a problem of his own. It should also teach him how to prepare a report correctly.

The course is probably designed to fulfill these requisites; certainly the latter. But I think it fails because it destroys the student's interest in the course by making it a weekly crank-grinding operation that is done as quickly as possible because it must be done, and because there is always another one waiting when the first is finished. There is no time left to learn.

TOTALLY UNFAMILIAR theory, in many instances, is required to be understood and presented flawlessly, or the report is "bounced." Eventually, when the theory is introduced in the lecture course, considerable time is spent on it before the student is assumed to have grasped it firmly.

This, I feel, is a serious inconsistency that has led the students to

(See AS I SEE IT on Page 6)

Wind Tunnel is Work of Many

Additional information on the wind tunnel, which was reported in the last issue of *Technology News*, has been received.

The tunnel was a project of Dr. Linton E. Grinter, vice-president of the institute and dean of the graduate school, and Dr. Hans Reissner, research professor of engineering.

After an inspection trip to see the medium-sized wind tunnels in the east, and a study of recent publications on the subject, designs were made for two different sizes of tunnels and propeller fans by Dr. Grinter and Dr. Reissner. These were detailed with the help of C. C. (See WIND TUNNEL on Page 6)

Fountain in Main Overworked, Fails

The drinking fountain on the first floor of the Main Building was removed September 30 for repairs. According to W. J. Parduhn, superintendent of buildings and grounds, "Tech students have been drinking so much water from it that the spring and valve controlling the water output snapped.

"The fountain will, in all probability, be in use within two weeks," Mr. Parduhn stated Friday.

October Grads Plan Dinner For Seniors Only

Banquet to be Held at Swedish Club, Oct. 11; Will Plan for Reunion

The October seniors will hold their graduation dinner in the blue room of the Swedish Club, 1258 N. La Salle St. on Monday, October 11.

James Carroll, class president, will act as toastmaster, but there will be no faculty speaker.

Another feature of the banquet, which is limited to October seniors, will be a general bull session. Plans will be made at that time for a class reunion every five years.

The cost of the dinner, \$2.00 a plate, may be paid to the banquet committee, headed by Roger Olsen, and consisting of James Ramseth, Tom Costello, Fred Sternberg, James Johnson, and Jack Byrne.

Senior money will be accepted beginning Tuesday, October 5. The dinner will be served at 7:00 p.m., and approximately 60 men are expected to attend.

Band Plays for Army Groups

For one hour Thursday evening, October 2, the combined bands of IIT, Army, Navy and Civilian, played for the members of the ASTP unit on campus. With a mighty sweep of the baton Mr. Erickson opened the concert with the *Star Spangled Banner*. The other numbers followed in a smooth and orderly manner that lent a professional touch to the entire program.

PROGRAM

"Stars and Stripes Forever"—March Sousa
"Poet and Peasant" Overture—Suppe
Encore: "His Honor"—March
Three Selections by the Glee Club
Stout Hearted Men ... Romberg
Over the Rainbow ... Arlen
From the Four Ways ... Erickson
Selection of Favorites ... Herbert
"The Purple Carnival" ... March Alford

Three Songs—
Stout Hearted Men ... Romberg
Over There ... Cohan
Field Artillery ... Sousa
Adding a great deal to the success of the concert was the well balanced, carefully selected program. The selections were chosen so as to suit every musical taste. Throughout the entire program the enthusiasm of the audience was immense. If this can be used as a measuring stick for return engagements, Mr. Erickson will have found an audience for his combined bands every Thursday evening. The audience was so overwhelmed by the closing numbers that they demanded the playing of the Field Artillery March two times and Stout Hearted Men three times. These rafter ringing songs brought the concert to a close.

Many IIT Identification Buttons Yet Unclaimed

Bernard Weissman, Student Union manager, has announced that many students have not as yet called for their identification buttons.

Students should call at his office for their buttons as soon as possible.

Burkart(s) To Be New Editor(s)

New Tech News Managing Board



Left to right, top row: Milton Burkart, Harold Burkart, Bill Burkart. Bottom row: Jim Oldshue, Burt Fried, Isabella Winters.

Milt Is Named Editor, Harry Managing Ed.

A new managing board will take over the reins of *Technology News* at the end of this semester. This will mark the end of one year of service by the present board.

The new board will consist of Milton W. Burkart, editor-in-chief; Harold Burkart, managing editor; Burton Fried, business manager; Bill Burkart, feature editor; and James Oldshue, sports editor; and Isabella Winter, Lewis managing editor.

Milton Burkart, senior in chemical engineering, the new editor-in-chief, started with *Technology News* in his sophomore year as a reporter. In his junior year he was made the assignment editor. During that time he was also made a member of Sphinx, honorary journalism fraternity. This year he was made an honorary member of the managing board of *Technology News*.

Burkart is a member of Alpha Chi Sigma, professional chemical fraternity. When this group formed the Flask and Beaker Society, he was elected secretary of that organization.

He was chosen last semester as chairman of the freshman advisory committee. As a junior, he was secretary-treasurer of the Dance Club. He has also been a member of the Rifle Club.

The new managing editor, Harold Burkart, is a junior in electrical engineering. He is the president of the junior class. He has been a member of the staff since his freshman year and became copy editor last semester. Recently, he was pledged to Rho Epsilon, honorary radio fraternity. Burkart is a member of the All-School-Social Committee and has been a member of the Dance Club.

(See BURKART(S) on Page 6)

Sphinx to Become Chapter Of Pi Delta Epsilon Oct. 10

A chapter of a national collegiate journalism fraternity at Illinois Tech is now a reality. The acceptance of the Sphinx petition for a chapter of Pi Delta Epsilon was announced today by Charles Rowbotham, president of Sphinx.

Edward E. McDonald, national secretary-treasurer of Pi Delta Epsilon, will travel from Pittsburg to install the Illinois Tech chapter. This ceremony will be held Sunday, October 10, at the Swedish Club of Chicago, 1258 N. LaSalle Street.

Paul O. Ridings, faculty advisor of *Technology News*, will represent the petitioning group in the ceremonies. He will be assisted by three Pi Deltas on campus; Jeanette Lowry, Mary Reynolds, and Elinor Bishop; all of the Illinois Tech News Bureau.

The program of events is as follows:

- 4:00—Initiation of new members
Installation of the new chapter of Pi Delta Epsilon
- 5:00—First meeting of the new chapter to elect officers and to discuss projects for the coming year
- 6:00—The newly initiated members will be honored guests at the *Technology News* Banquet also at the Swedish Club.

Camp Films Shown At ASCE Smoker

Films illustrating the activities of the civil surveying groups at Camp Armour were shown to fifty members of the ASCE assembled in the Student Union Lounge last Friday evening.

Camp Armour, located in northern Michigan, is the home of junior civil engineers of IIT for five weeks every summer.

Another film gave the ASCE members an excellent view of the conditions preceding the collapse of the Tacoma Narrows bridge. Deflections of 56 inches and 32 cycles per minute vibrations were noticed. The bridge twisted to such a degree that cars slid from one side of the bridge to the other.

Navy V-12 to Register First

"The navy men will be the first to receive their programs for the new semester," reports the Registrar's Office. The navy registration will take place on Friday, October 29. All registration of the navy will be completed on that day.

Seniors and Juniors will be taken care of on Saturday, October 30; and sophomores on Monday, November 1. The freshmen will register on Tuesday, November 2. Plans have been formulated to finish all registrations on the day assigned to them.

Army, Navy Men To Receive Photostatic Copies of Records, C. W. Kepner Says

All army and navy students will receive photostatic copies of their academic record sheets at the end of the semester, it was announced this week by Dr. Charles Kepner, registrar.

These photostatic copies will show the student his exact grade record as it appears in the registrar's files. Any errors that may have occurred can be detected and immediately corrected.

By the end of this year all students who have a legitimate reason for wanting to view their scholastic record will be able to do so. "This system," says Dr. Kepner, "is already in effect except that an office clerk isn't always able to stand and watch the record while the student looks at it. This will be corrected by building an appropriate place beneath the glass top counter where a student can look to his heart's content."

Dr. Kepner also stated that a very large staff would be required if each and every student, from the freshman up, would be running in and out of the office to check his point average. "A point average isn't as important as the student's correct record," stated Kepner, "and the records are correct except for isolated cases."

Dr. Kepner is very anxious that all seniors view their four year record sometime during their fourth year.

In regard to Mr. John J. Schommer's requests for averages, he emphasized that they were double checked for accuracy.

The Inter-honorary Council's request for lists of averages has been fulfilled.

The registrar wishes that those who have any feeling that his office is not performing correctly or who have any suggestions for improvements in methods, would see him. He will be only too glad to discuss matters of this sort, he said.

Navy V-12 to Attend N.U. Sorority Dance

All navy men at IIT have been invited to attend a dance sponsored by the Lydians, a sorority at Northwestern University, on Sunday, October 17.

The dance will be held at Wieboldt Hall, 339 E. Chicago Ave., from five to eight p.m. Tickets may be obtained in Bernard "Sonny" Weissman's office any time before the dance. They are free of charge.

TECHNOLOGY NEWS

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'It Can't Happen Here?'

One of the strangest aspects of Illinois Tech life is the overwhelming number of clubs, organizations, and activities in comparison to the student enrollment.

As freshmen this was somewhat awesome, but as time progressed the awe turned to disappointment. What had appeared on the surface to be an exceptionally healthful campus life was, in reality, cancerous and sickly.

Many of these organizations were almost stagnant. Their sole purpose seemed to be, and still is, to elect new members to replace those who graduate or drop out. Creative effort is unthought of at hurried, and only partially attended meetings.

The question "WHY?" is a big one. How to combat its answer most successfully is probably one of the most serious problems confronting the student body at the present time, if other than purely academic activity is deemed necessary for the attainment of a fully-developed personality.

At present there are less than a handful of organizations that perform this function successfully. The reason does not lie in the tiresome excuse which decries a lack of time. If a student did not feel he could devote at least a small portion of his time to an activity, he would not make the initial plunge into it. It is only when he realizes that it has nothing to offer him that his interest wanes and dies out completely.

Nor does the answer "there is no need for them" the correct one. In very few cases, if any, are there organizations at Illinois Tech of such a nature that they could not be of definite benefit to all of Illinois Tech as well as to each of its members, if directed and inspired. Yet most of them fail to do either.

The reason is deeply interwoven in a student-faculty, administration relationship that has been either built-up, or allowed to develop, in the previous history of the Institute.

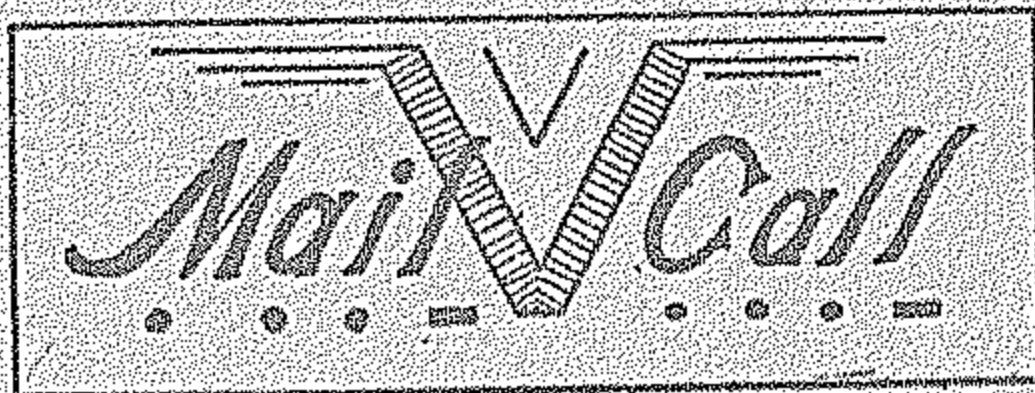
It is the relationship that has come to be characterized by a complete indifference on the part of the faculty, with shamefully few exceptions, toward student problems and affairs; by an antagonistic student attitude toward any manner of intervention in its affairs, and by the suspicion with which the student body views every administrative act that might be construed to mean a curtailment of present privileges.

Because it is primarily the lack of complete co-operation between students and interested faculty advisors that the present situation has come about, this is the first point that must be corrected if campus health is to be regained.

—LARSON

Man Of The Week—

Senior Mech Bert McCleneghan Heads Two Fraternities and Directs Sports



(EDITOR'S NOTE: Items concerning IIT men and women in the armed services will be printed in this column, and excerpts from letters from these men and women will also be presented. Contributions to the column will be welcomed, and the newspaper staff will make every effort to obtain news and letters from the stars of Illinois Tech's service flag—a group now numbering more than 700.)

By LOU WENGEL

It was with regrets, that this news office received a notice of the death of one of the IIT boys in service. As this column is dedicated to men and women of IIT in the service, it is necessary to report this as an indication of the gallant sacrifices made by some to bring this struggle to a close.

The report states that Lt. Martin A. Mongeau, Jr., M.E. '43, pilot of a Mitchell medium bomber, was killed in action August 18th in the Pacific area. Lt. Mongeau was a graduate of Mount Carmel High School, and a junior at Illinois Tech when he enlisted in the Air Forces June 21, 1942. He earned his wings by February and soon afterwards was sent overseas.

V V V

Direct from the battle front comes salutations from 1st Lt. Donald W. Nelson. As he is a censor it is not an accident that he included his whereabouts in the letter a part of which follows.

"Greetings from Sicily! I've been here for quite awhile but just now have been allowed to say so. Everything is OK here—plenty to keep us busy!

"Our trunks finally came—haven't seen mine for six months. Most of them have been broken into and had a lot of stuff missing. I was lucky and only had some paper, stamps and cigarettes missing.

"We're living in temporary quarters at the present time. Our crew is camped between two stone walls for protection. "I just recently spent a three day leave in Alexandria, Egypt and just about ate myself sick. You can't imagine what a treat a hamburger is over here."

V V V

Another bit of good news is received from A/C Bernard Gormstein —, stationed at San Antonio, Texas. Says that he has just been classified as a pilot and now is headed for pre-flight training.

V V V

Receiving training to fit him better for his part in the war effort, Pfc. Robert Tannehill, Ch.E. '43, has some difficulties as shown by the following excerpts from his letter.

"I took my basic training at Camp Sibert, Alabama, in the Chemical Warfare Service. After finished training there I was selected for the Army Specialized Training Program for classification. Since I studied chemical engineering at Armour, I was classified as an advanced chemical engineer.

"While I was waiting to be assigned to a college, however, the army decided that it had enough chemical engineers and I was reclassified as an advanced mechanical engineer and assigned to Louisiana State University. Here I am expected to complete the regular curriculum in mechanical engineering in nine months. I hope I can do it.

"Frank 'Spike' O'Donnell, another ex-Armourite, managed to stick with me through basic training. He is now studying basic engineering at Heidelberg University, at Tiffin, Ohio."

By CHARLES ROWBOTHAM

He's president of Triangle social fraternity and president of Pi Tau Sigma, national honorary fraternity for mechanical engineers. He's also interfraternity sports manager. For these achievements, Bert McCleneghan has been chosen as the "Man of the Week."

Bert, a graduating senior in mechanical engineering, says that these two fraternities are his hobbies because "hobbies are things which occupy all your spare time."

As president of Pi Tau Sigma, Bert heads the largest honor fraternity on campus with 36 active members selected from the 688 students in the mechanical engineering department.

With Bert at the helm, Pi Tau pledged Dr. Max Jakob, international expert in heat transfer, to membership, and also instituted an award for the mechanical engineering student who completed his freshman year with the highest scholastic average.



When the navy moved in on Illinois Tech during the summer, Bert felt that the Triangle fraternity should have a home and on his own initiative, secured a spacious eight room apartment on the south side.

Their Michigan Boulevard home (now Quarters 5) is rented to the Navy by the Triangle Alumni. Bert was also able to persuade their old cook to fix the meals for the boys at the apartment.

As interfraternity sports manager McCleneghan arranged all the athletic contests for the seven social fraternities on the Illinois Tech Campus.

Bert, who enjoys participating in all sports, goes at this job with enthusiasm, for the more games he arranges, the more games in which he can participate.

In addition to all these activities Bert found time to work on the stage crew in the "Drunkard," a production of the Armour Players, and to write a large part of a newspaper column for co-operative students last semester.

"Technically trained men will undoubtedly be the managers and executives of tomorrow. For that reason broad cultural education must go hand-in-hand with engineering training." With these words Bert sums up his idea of the ideal education for engineers, an education, he believes, that Illinois Tech should endeavor to develop if it intends to become the leading engineering school in the United States.

Sales engineering is the career goal of Bert McCleneghan. To see the steps which Bert has already taken towards that goal, his co-operative education must be examined. Back in February, 1938, McCleneghan came to Illinois Tech as a co-operative student of John Barnes and Company, Rockford, Illinois.

There Bert worked first as a machine operator and later as a design and development engineer. At the company's request he left school for one year to assist in the development of a hydraulic gun loader for the army.

Consequently, when Bert returns to John Barnes and Company after graduation, he will be well under way toward his goal of sales engineering.

The Collegiate World

A permanent Blind Dating Bureau has been set up at Stevens Tech, New Jersey. This bureau is quite similar to the "Link", IIT's date bureau. The operation of the Stevens Bureau will be mainly based on a filing system where the men and women will have cards with all the pertinent data necessary for an intelligent matching of couples.

ITSA Minutes

The meeting was opened September 25 at 4:30 p.m. by President Harry Anderson, Messrs. Weissman, Mickalek, Wenzel, Lind, Allara, Tubergen, and Olson of the board were present along with 3 members of the student body, including a representative from Lewis.

A report regarding the operation of the frequency modulation set in the lunchroom was received by the ITSA from Mr. Mueller of Rho Epsilon. The music was scheduled to begin Monday, Oct. 4, 1943. The set will operate between the hours 11:30 a.m. to 1:00 p.m. all days of the week except Thursday. Mr. Weissman moved, Wengel seconded, that \$10.00 be assigned to Rho Epsilon by the ITSA to cover the expenses of operation.

Mickalek reported on the recent freshman election. While the primary elections were good, there was a poor showing for the run off.

It was reported by Honor I that the previously designed letters for sophomore sweaters were unsatisfactory. The new design of gray letters, IIT, and red numerals was accepted, however, and will be used.

The proposed by-law to the constitution regarding the Junior Marshals was read and passed 6 to 0. In final form the by-law read as follows:

By-Law to the ITSA Constitution. Re: Junior Marshals.

Art. 1. The ITSA shall make all arrangements necessary for the election of Junior Marshals within two weeks following the ITSA elections. Elections shall take place beginning the third semester, 1943-44 and every other semester thereafter.

Art. 2. Candidates for the office of Junior Marshal must be first semester juniors at the time of election and must be in good scholastic standing. Marshals retain their offices for two semesters only and are not eligible for re-election.

Art. 3. The elections shall observe the following procedure:

It shall be announced by designated departmental members, two weeks before the final elections, that a primary election will be held one week before the final election. Nominations for inclusion in the primary ballot may be offered up to two days prior to the primary election.

Each department in the school will have two representatives on the final ballot. The architectural and FPE departments will together be allowed one representative Marshal. This grouping of two departments into one is due to the small number of men in those groups.

The primary balloting will be held for each department in the class or classes where the entire department may be reached. This will be a secret ballot.

In the final balloting, 14 names will be placed on the ballot. The voting will be done by the junior class as a whole. Six votes will be allowed each voter, with no more than one vote in each department.

The candidate receiving the highest number of votes in each department will be elected. Six Marshals will therefore have been elected.

In case of a tie in any department, the ITSA will supervise a run off election during the next week.

Art. 4. Duties of the Marshals in general consist of supervising the freshman-sophomore interclass activities. They may however, be called upon by the ITSA to perform any other duty deemed advisable which would be most satisfactorily served by such a group. Junior Marshals may, at the discretion of the Junior class, receive emblems or sweaters in recognition of their work.

The tennis committee report was given by Ray Tubergen. He reported that the courts and their location are still in the planning stage but that it is expected that new courts will be available by next spring.

A report by the lunchroom committee given by Tubergen stated that the lunchroom situation had improved. Civilian students were asked by Miss Lippert to carry their trays and refuse to the kitchen or to a provided receptacle in order to decrease the congestion that still exists.

Mr. Weissman reported that because a fencing coach is no longer available, the plans of the fencing team is to participate in inter-collegiate competition have collapsed. Consequently, it is not necessary to provide equipment.

The physics laboratory report problem was referred to a Tau Beta Pi Committee under Bill Parks.

The resignation of the Lewis representative, Glenn Marsh, was received. Pres. Anderson announced that an election for Lewis vice-president and Lewis representative will be held early next semester.

The problem of smoking on the first floor lobby at Lewis was discussed. Anderson will contact Dean Clarke in connection with this. Meeting adjourned 5:27 p.m.

Respectfully Submitted
 R. Lind (Vice-Pres.)
 (Acting for Warren Furst, Sec'y)

Tech Time Table

Monday, Oct. 4
 5:30 p.m.—Science Students—
 East Dining Room
 Tuesday, Oct. 5
 7:30-10:00 p.m.—Pi Tau Sigma
 —Lounge
 5:30—Orchestra—Auditorium
 Wednesday, Oct. 6
 5:30—Dance Club—Auditorium
 Thursday, Oct. 7
 Friday, Oct. 8
 Saturday, Oct. 9
 9:00 p.m.—All-School Dance—
 Furniture Club

The Other Side—

Stanton E. Winston 'Teaches Total of 50 Years' at Illinois Tech Since 1919

By RAY OLSON

Almost 50 years of college teaching for a man fifty years old—that is the record claimed by Stanton E. Winston, professor of mechanical engineering.

Winston came to Armour Tech and began teaching descriptive geometry in 1919. Almost immediately, he also began to teach night school. Teaching night and day school simultaneously for almost 25 years, or a total of 50 years of college teaching, he attained what he believes to be the longest teaching record of any instructor at IIT.

Winston began earning his way in the world as a combined grocer and baker in his father's store after graduating as valedictorian of his Petrsky, Mich., high school class. He had been prepared to enter college when his father's poor health

prevented his doing so. In a few years, however, he was able to enter the Colorado School of Mining, but after two years of schooling, had to withdraw because of lack of funds.



Mr. Stanton E. Winston

Winston fortunately secured a position teaching at Northside High in Denver and at the same time attended the University of Denver. In a year and a summer Prof. Winston finished two years' college work to get his B.A. degree. He later earned a Master of Arts degree from the same school.

World War I found Winston working as an engineer for the Empire Zinc Co., a position he held until 1919. At that time he returned to teaching high school in Denver as the head of the drafting dept. However Armour Tech soon claimed him, and it was then that he began his spectacular record. In the process he secured a B.S. and an M.S. degree from Armour.

One should not get the impression that all Mr. Winston does is engineering and teaching. One of his favorite pastimes is what he calls "common dirt gardening." Also Winston wields "a malicious paint brush of the house variety." Also he enjoys camping in the great outdoors. In his hometown of Hinsdale, Mr. Winston belongs to the zoning commission and is an active of the Hinsdale Masonic Lodge.

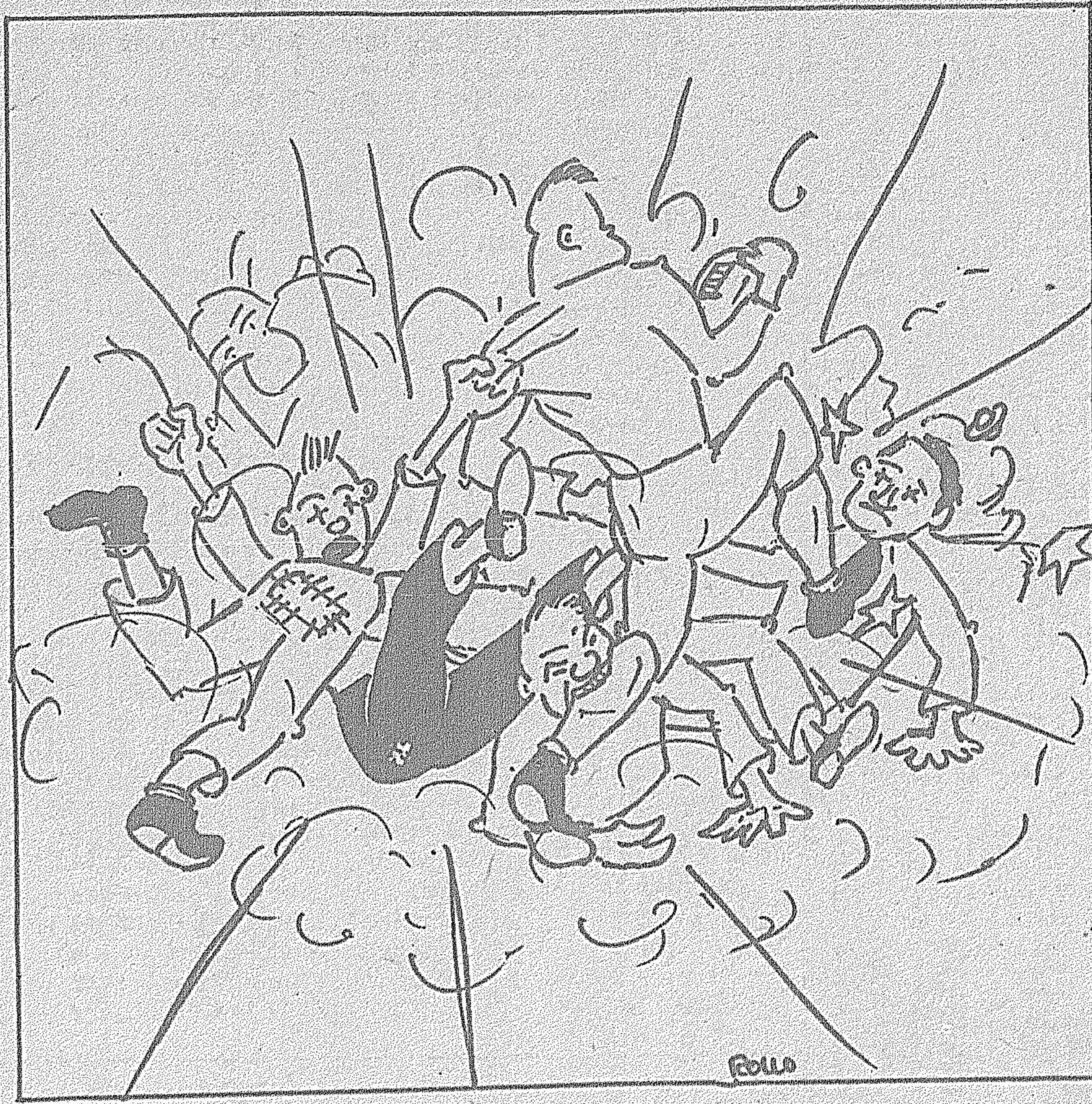
In addition he is a writer of merit. His text book on elementary machine design has been used extensively in war training courses through the country. He has written a text on elementary thermodynamics as well as several other books.

However, Mr. Winston gets "a kick out of teaching" and that is his first love. He has adopted a sort of philosophy around his theme song "I Want to Be Happy" and makes it a point to get plenty of fun out of life. He dislikes seeing so many people out to get rich, for he has found, and feels that others will soon find, that there is more to happiness than monetary riches.

For this work in Mechanical Engineering and as a sort of executive officer of the IIT mechanical engineering dept., Mr. Winston has been chosen to two honorary fraternities in mechanical engineering, Pi Tau Sigma and Tau Beta Pi. He has been director of the Midwest Power Conference for four years and was secretary for two years previous to that. In addition he is a member of the SPEE and the ASME.

Another side of Professor Winston's life, and one that is not quite so well known, is his flair for poetry. Only a year ago, Mr. Winston was passing on a poetic thought at a Tau Beta Pi banquet, when the words ceased to flow. He couldn't remember the remainder of the poem he had written himself.

'Touch' Ball Comes to IIT



CHICAGO—

Avalon Offers Carl Schreiber And Band

AS PROMISED two weeks ago, a reporter got around to the Avalon ("Dance and make servicemen happy.") Ballroom to see just how happy the servicemen are made. He failed to be very much impressed. The dance floor itself appeared to be in good condition, and was comfortably crowded on a Saturday night.

Carl Schreiber and his "Blue Heaven Music" were the feature of the evening. The band is another of the typical small dance band which has been hit by the war, and the music couldn't quite be called heavenly. The arrangements

names 'n notes

SAMUEL INSULL was once a member of the Board of Trustees of Armour Institute.... TED PILAT, Armour Integral editor, founded the newspaper at St. George High School.... MELVIN L. MANNING, professor of electrical engineering, formerly was supervisor of the high voltage laboratories of the transformer division of Westinghouse Electric.... The first yearbook at Armour Institute, published in 1898, was called the INTEGRAL. From 1913 to 1940, it was called the Cycle. In 1940 it was called the Polygon, and in 1942 the name was changed back to the INTEGRAL.... JOHN HOMMES, of the FPE department, was the first editor of the campus newspaper, then called the Armour Tech News.... BLAKE HOOVER, senior chemical, once was a cabin boy on an oil tanker, the S.S. Sunoil, between Philadelphia, Pa., and Sabine, Texas.... WALTER HENDRICKS, English professor, was an army flying officer during World War I.... According to the student directory, JOHNSON and ANDERSON are the two most common student names at IIT.... BILL PARKS, senior civil, and JULIUS DE VOS, V-12 senior civil, although they can't compete with the 22 year record of CHARLES ROWBOTHAM, have each lived in Chicago 21 years without visiting Riverview Amusement Park.... HERMAN MIROCHNICK claims the distinction of having the only identification badge with a smile broad enough to swallow the camera.... TOM RUCK, BERNARD SMITHE, and HAROLD and MILTON BURKART were members of the Pierce Playground volleyball team which took third place in the senior city championship contest, two weeks ago.

were not especially original, and could stand considerable improvement. The brass section was weak and sadly sagged in spots.

As for the crowd attending the Avalon, it appeared to be one which dances regularly at the ballroom. Like one big family, everyone knew everybody else. For the unattached male, there were a large number of women in attendance. Unfortunately, the quality did not match the quantity.

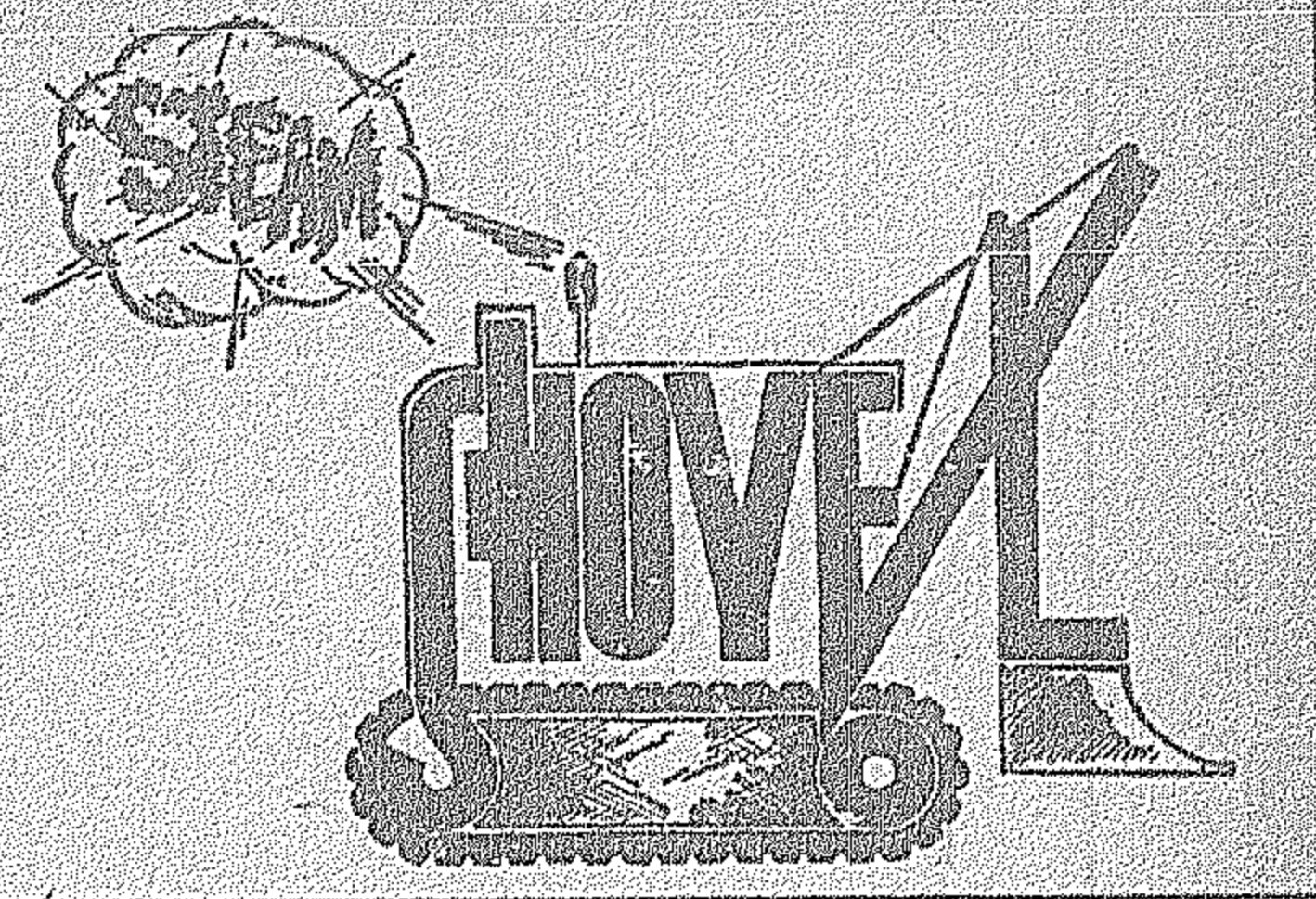
All in all, the \$1.50 per couple admission did not appear to be a profitable investment.

THE army comes through with seven reels of good entertainment at the Chicago Theater this week. "This Is the Army" is the offering, and the net proceeds are advertised as going to the Army Emergency Relief Fund.

Featuring the same stage cast which appeared in the stage version, plus some Hollywood additions, the film follows the same musical comedy pattern laid down on the stage, and does it well.

Like so many other musical pictures, the plot of "This Is the Army" drags in spots, but this is overcome to a large extent by the performance of the cast. There is real talent in the army, and it is refreshing to see it brought to the screen.

LATEST attraction available exclusively to the servicemen at IIT is the Pan American Room which was opened in Service Men's Center No. 2 at 430 S. Michigan Ave. Wednesday. Twenty Mexican girls serve as hostesses, and music is supplied by the 75-piece Mexican national orchestra at the dedication.



Best wishes to Miss Shirley Hagan of the Research Foundation who is being married this Saturday. To quote the old axiom, she is making one man happy at the expense of many others. Among the local lights in this latter class are Dan O'Connell and John Butkus, cafe wolves extraordinary. Dan has been more of a brother to her than John, relying on her judgment in all of his puppy love affairs and is already looking for a new confidant. Butkus, however, is just plain blue.

Jack Byrne, to his girl, is a sweet innocent boy. She thinks those trips to Delevan are for the purpose of getting a lot of sleep and relaxing in that good country air. When he says he is playing baseball in the evening she believes it. A cautious fellow would carry on his extra curricular activities on the opposite side of town but Jack flaunts his "pen pals" right under her nose. Yes, fellows, she's one girl in a million.

Seeger and McNamee, those good will ambassadors from Quarters #5 beat a hasty retreat from a "tight spot" in Cicero last weekend. Both fellows, still with skins whole, have vowed that henceforth they will carry their passports when they leave the country.

Men fall in love and out of love regularly, but when a man is so affected that he no longer flirts with women, he is hooked. Such is the present plight of senior meech Ivan "Johnny" Kralj who only has eyes for "her."

Every day is going to be meatless Tuesday for Harrison "Fish" Fisher from the looks of his new gal friend. She is all of 170 pounds, with or without. It is said he put out his red points for the next month to acquire her.

Now an apparently hopeless case is reviewed, that of Tom Ruck, president of the sophomore class. Tom has had not one but two dates with Ronnie Berggrens, female deluxe. But Ruck is bashful or else he has a paralytic lip for he came away from these excursions without managing one oscillatory salute. The irony of the situation is that "Ronnie" is the "Chummy" type of gal who likes to show a fellow a good time.

Oh yes, a hay ride was one of the affairs. No Hope! Reports have been trickling in concerning the bickerings between the soph choms and juicers. The battling has continued since the class hayride when the electricals were ambushed while invading a "private chem wagon." Latest casualty is Gill "Valveturner" Katz.

It seems that Katz raided a juice lab with a bottle of carbon bisulfide, and succeeded in spilling same upon the floor. He managed to escape just as the grate juicers were hooking him up to a battery to watch his ears light up, and sought sanctuary in the organic lab. He grabbed a bottle of butyric acid from somewhere, and the juicers retreated.

The payoff came when Katz spilled some of the stuff on himself. Even fellow choms shunned him, and "Stinky," "Woodpussy," and other endearing names were directed at him for a week.

Harry "Superman" Anderson, Quarters #3, came back from the navy strength test bragging of how well he had done. He wanted to bet George "Swede" Ecklund and George Schober that they couldn't do better, but naturally these two were afraid to pit their prowess against the great "Superman."

Imagine his surprise when the test scores came out and both Ecklund and Schober had grades of 65, while Anderson pulled a mere 62. He's still crying for a recount.

For these many months, soph choms Ed Schaschl, Wally Grengg, and Dave Levinson have been watching that "watermelon" growing behind Chapin, with lust in their eyes and larceny in their hearts, just waiting for it to ripen. Imagine the surprise then, when a more observing individual saw patches of orange appearing upon the "melon." Now the trio is muttering something about pumpkin pie and looking for a woman who can bake.

Dick Laystrom has become goggle-eyed over Isabella of the Research Foundation and has been busy taking pictures of the gal. Friday night Isabella was again with Dick in the camera club. Renny Berggren was the third party of "two's a company, three's a crowd" when June from the lunchroom failed to show up. Although Dick was through taking the pictures at 9:30 p.m., he didn't leave the clubrooms until 12:30, during which time Berggren politely left their company. "Dear Dick" claims that it takes that long to wash the prints.

FOUR ASTP Squad Shades Civilian Outfit In Basketball Thriller

Dick Holton Scores in Overtime to Give the Soldiers 36-35 Win; Kilgariff and Miller Star

The Army ASTP unit's basketball squad played superb ball to nose out a team of civilian Techawks 36-35 last Friday night at the Armory. The game was decided in an overtime period, since the score stood 33 all at the end of the regulation time.

At the start of the game, the civilian outfit stepped off to an early lead, holding a 15-6 edge at one time, due in part to the unerring accuracy of Jack Byrne's left hand. However, the Army combination of Clarence Woods and Dave Miller began to hit the mark and soon had the soldiers not only back in the game, but possessing a 19-16 lead as the half ended.

The three point Army margin held up throughout most of the third period. Then Tom Kilgariff and Gordon Fleischer scored the points that evened up the game. The lead changed hands thereafter until the Army team had a 33-31 margin with less than a minute remaining in the game. It was then that Charley Buckley took a pass from Kilgariff and dropped in two points while apparently bottled up at the corner of the floor.

As the five minute overtime period opened, the Techawks took control of the ball and did not relinquish it until Fleischer had put in one bucket, giving the civilians a 35-33 lead. This lead was cut in half as Woods scored a free throw. The deciding score came when Dick Holton scored two on a set shot with two minutes remaining. The soldiers put on an effective freeze that controlled the ball until thirty seconds remained in the game. The Techawks finally broke through the tight line of defense, but were unable to connect on the lone shot they were able to take. The game ended with the Army in control of the ball.

It is difficult to single out individual stars but if it must be done, the nods go to Dave Miller of the winners and Tom Kilgariff of the losers. Miller dropped in fifteen points to lead all scorers, and played a great defensive game under the basket. Kilgariff had an eight point total to his credit, and covered the floor on defenses like a coat of varnish.

The box score follows:

TECHAWKS	B	FT	P	ASTP	B	FT	P
O'Connell, f.	2	0	0	Woods, f.	3	3	1
Kilgariff, f.	4	0	3	Miller, f.	7	1	1
Buckley, f.	3	0	0	Gasdaskas, f.	0	0	1
Fleischer, c.	3	2	3	Botts, c.	1	1	1
Puchalski, g.	1	0	2	Snodgrass, c.	0	0	1
Schreiber, g.	0	0	0	Holton, g.	4	0	2
Oliver, g.	0	0	0	Parslow, g.	0	0	1
Byrne, g.	3	1	1	Tyler, g.	0	1	0
Oldshue, g.	0	0	0				
	16	3	9		15	6	8

ASTP Begins Rifle Drill With Dry Run

Dry run drilling in the use of a rifle began last week for the men in IIT's ASTP unit.

Triangulation exercises with sighting bars were taken up first. A sight bar is about five feet long, and has two slots, one near the middle and the other near one end. In these slots are placed two metal plates, one of which has a small hole in it and the second a circle about one inch in diameter painted on it. Object of the exercise is to place the plates so that they present the same sight picture which would be seen through the sights of a correctly aimed rifle.

After several weeks of training, the men will go on to sighting exercises with the rifles.

Sevurd Replaces Blanke As Lewis Art Instructor

Ruth Sevurd joined the IIT faculty this summer replacing Miss Marie Blanke, who has been teaching art classes at Lewis. Miss Blanke has now retired, after teaching classes at Lewis since the founding of the institute.

Sigma Xi Holds Meeting Oct. 12

Dr. Stewart, professor of physics and chairman of the department at Iowa State University, will be the speaker at the next meeting of IIT's chapter of Sigma Xi, honorary scientific fraternity. Dr. P. L. Copeland, president of the local group, announced that Dr. Stewart will speak on "X-Ray Diffraction and the Structure of Liquids".

This lecture, the first of the 1943-44 term, will be held at 4:30 p.m. on Oct. 12, in 305 Main. On this same day, an evening program will be held in cooperation with the Chicago Physics Club, at the Lighting Institute at 72 West Adams St. The afternoon lecture will be open to members of the faculty and student body at IIT.

Dr. Stewart is a member of the National Academy of Science, and a fellow of the American Physical Society. He has been a member of the council of the APS for many years, and was president of the society in 1941. His name is among the 150 outstanding physicists of America in the starred list of American Men of Science (which is the scientific "Who's Who".) According to Dr. Copeland, Professor Stewart has been a leader in scientific affairs in the midwest for many years. His work as a teacher of physics has been recognized by the award of the Oersted Medal which is presented by the American Association of Physics Teachers for outstanding contributions to the advancement of interest in physics.

Dr. Stewart has done research both in acoustics and in x-ray diffraction of liquids, and is the author of numerous papers in these fields.

'Lunch Service Better' - Lind

"Efforts of Miss Vivian Lippert, director of food service to alleviate the lunchroom problem at the beginning of this semester have met with a great deal of success," said Ronald Lind, a member of the ITSA lunchroom committee, today.

Students, on the whole, are satisfied with the service they are now receiving, he declared.

Because better service can be had if the students will cooperate with the cafeteria staff, Lind has asked students to remove their own trays, dishes, bottles and refuse. Two movable carts will be placed in the lunchroom for this purpose.

This will be especially helpful, he said, from 12 o'clock until 12:45. If a fewer number of the help are required to clean the room so that it will be in shape for the Navy men, the civilians will receive better service.

Smith Appointed Lewis Registrar

Lewis's new registrar is Vilma Smith, a native of Arkansas. Mrs. Smith has been in the Chicago area three years, during which time she has been a private secretary. Previous to this, she was at The College of the Ozarks, located at Clarksville, Arkansas.

Coming from Iowa is Darleen Warthman, assistant to the registrar. Miss Warthman has been in Illinois since she left Coe College, Cedar Rapids, Iowa.

Warthman is replacing Vivian Pancoff, who left this week; and Smith is now replacing Francis Wylie.

ASTP's See Two Football Games

ASTP soldiers were guests at two football games last weekend. Free tickets for the first, the game between Northwestern U. and Michigan Saturday afternoon, were made available for the Trainees by the Chicago Commission on National Defense. Liberty was granted early Saturday afternoon so those who wished might attend.

The battalion marched as a unit over to Comiskey Stadium to see the Sunday afternoon game between the Chicago Cardinals and the Greenbay Packers. Mr. Bidwell, manager of the Chicago team, made it possible for the group to have a reserved section at the contest.

Seniors Must File Placement Records

John J. Schommer, director of placement, requested today that all seniors who will leave this October fill out a placement record sheet and leave their pictures in his office. Many of the graduating seniors will not be able to refer to the placement office in future years, as a source for a position in industry, if this application is not filled out, he stated further.

This, he said, applies only to those who do not have a placement record in his office.



By BACKAS

A person may see basketball games day after day and year after year, but it is seldom that he will see two closely contested battles as those of the past two weeks. Both were decided in the last minute of play and both games had everything that a basketball fan could ask for. If these Army, Navy, Civilian games are any indication of what the basketball varsity squad will look like, IIT is in for a great year.

It seems as though the Army ASTP fellows should be allowed to participate in varsity sports and there is quite a strong feeling in this direction among sportsmen throughout the country. Here is hoping, that a change in the Army's attitude may take place in the near future.

Stars of this weeks basketball play are Private Dave R. Miller and Tom Kilgariff. Neither of these two had played high school basketball yet their abilities were plainly seen last week. Miller proved to be the "dead-eye" of the evening, scoring 15 points. Kilgariff, the sophomore flash, showed an amazing fight and drive throughout the game.

Credit goes to "Whitey" Tyler for the "guts" it takes to start a team. He may not have the best team the unit can produce but he has attempted to mould this team under adverse conditions. A little more encouragement and cooperation minus destructive criticism would go a long way. From last week's results, this unloyal opposition will have to agree it was a darn good team.

Another game will be played this Friday at 9 p.m. between the V-12 and ASTP squads. Watch for another thriller.

Someday while you are daydreaming, dream of the type of team IIT would have in a combined Army, Navy and civilian team. I had better put this marijuana down and get back into reality.

In a practice tilt this week the ever-powerful Senior Mechs trounced an up and coming Senior Electrical squad, 38-6 in touch football. Many of us will breath a sigh of relief when these mechs get their sheepskins October 17th.

Playing at George Williams, the IIT V-12 softball All-stars lost by an 11 to 8 count. A return game is scheduled for tonight at five on the 33rd street diamond.

Four inter-fraternity touchball contests have been played as the tournament enters its second week. Pi Kappa Phi looms as the power team with 26-6 and 19-0 wins over Sigma Alpha Mu and the Triangles respectively. The Delts and Rho Delts each have a win over the SAMs and Triangle, the latter being a 13-12 win.

The Junior Electricals have found a new sport at IIT. It is called "can-ball" and its participants are the young and spirited members of the local grammar school located behind Victory Hall. Every afternoon, at recess time these youngsters grab a tin can from the nearest ash pile and proceed to play a game which closely resembles football but which consists of a variety of wrestling, boxing, judo and commando tactics.

Sides are picked and the number of participants vary anywhere from four to half of the student body. One fellow (probably classed as a hero) volunteers to take the pass from center. Before the center can release the ball (tin-can) from his hands the teams form a semi-circle about the receiver and in an eyes wink, everyone participating in the sport proceeds to jump upon our little hero. Ordinarily one would pay scalpers prices to witness an event of this sort but the electricals have been viewing them for weeks at no extra fee. If you haven't seen this event by all means do before you graduate. You haven't lived until you do. (P.S.) Their latest addition to the sport is a pea shooter for every man.

Navy, Civilians May Graduate Together

"From my point of view the navy men may graduate on October 17 if their studies are completed," announced Dean James C. Peebles today.

Lt. Martin P. Anderson, executive officer of the Illinois Tech V-12 unit, agrees with the statement of J. C. Peebles. He stated that the men definitely may graduate. The only problem which remains is what to do with these graduates between their graduation and the time the other navy students finish their finals.

The navy seniors will not be required to take finals unless they are taking subjects which are definitely basic naval courses.

Cloakroom Opens to Civilians and Navy

The new Student Union cloakroom is now open and may be used by all civilian and naval students, announced Bernard "Sunny" Weissman today.

The cloakroom, which is located on the second floor of the Student Union at the head of the north stairs will be open from 8:30 a.m. to 10:00 p.m. on weekdays and from 8:30 to 12:00 noon on Saturdays.

The old cloakroom is now being used by the navy as a supply station. In order to facilitate the moving, the Frank Gunsaulus exhibit of ceramic ware was moved next to the stairs leading to the lounge.

Horseshoes to End IM Sports

Six More to Start With New Semester

Intramural activities for the present semester will end with the horseshoe tournament this week, according to a statement by Cliff Oliver, Intramural Manager.

Activities will be continued next semester, said Oliver, with tournaments of touch football, boxing, wrestling, basketball, bowling, and swimming to be held. Touchball will begin during the second week, and teams will consist of twelve men. One team may be entered from each department of each year, except freshmen. Freshmen may enter any number of teams.

Entries may be turned in at any time in the intramural box in the Student Union lobby, and must include the full names of the team members, the captain's name, and the available playing times. The tournament will be run upon a double elimination basis.

Basketball will follow the football schedule. Ten men will be allowed on one team, and the same procedures regarding team eligibility followed in the football tournament has been adopted for the basketball matches.

Slide Rule Text by Harris is Published

A new book entitled "Slide Rule Simplified" has been written by Charles O. Harris, professor of mechanics at Illinois Tech. The newly published volume covers all the computations possible on the Mannheim slide rule.

The book is being published by the American Technical Society and will be used as a text by the American School, which conducts correspondence courses. For this reason, the book was made for use without an instructor and is complete and detailed. There are about 250 pages in all.

The various parts of the book first explain how to do a mathematical operation and then discuss the basis of the process and general theory. A complete understanding of the Mannheim slide rule, which this book is intended to impart, would make a person independent of the common mathematical tables.

"Slide Rule Simplified" is practical and will probably be sold over popular bookstore counters. It contains many illustrations and cartoons.

Mills Organizes Evening Services

Church-going soldiers of the IIT-ASTP unit are not letting the fact that their liberty expires at 7:45 p.m. interfere with their Sunday evening activities. Instead, they have their own non-denominational Christian Endeavor meetings.

It began several weeks ago when Earl Mills, vice-president of the Chicago Christian Endeavor, noticed that the Trainees had no opportunity to participate in a society of this nature, so on August 29, he arranged to bring Rev. Karl Meyer of the Grace Evangelical and Reformed Church, and some of his young folks, to the Armory to hold a meeting.

'Precision Inspection' Topic in ASME Friday

Millionths of an inch, slivers 1/300 of the diameter of a human hair—just how these minute differences are measured by light waves was brought out in the talk "Precision and Ultra-Precision Inspection," at the regular meeting of the American Society of Mechanical Engineers Friday, October 1, at 10:30 a.m.

Mr. A. Gabriel, the speaker, is vice-president of the Acme Industrial Company, a leader in the field of precision inspection equipment.

Hans Reissner To Leave IIT At Term's End

New Aero Instructor Promised by Grinter; Gail, Griffis to Teach

Dr. Hans Reissner, professor of research and instruction of aeronautical and other technical sciences, is leaving IIT at the end of this semester, it was learned today.

He will leave for the Curtiss-Wright Propeller Division in New Jersey. There he will act as consultant in developing certain new aircraft propeller designs.

These designs, originated by Dr. Reissner, are to simplify and improve the performance of constant speed propellers. Dr. Reissner also invented the first variable pitch propeller.

His departure will momentarily leave a vacancy in the aeronautical staff and graduate school at IIT.

Dean L. E. Grinter, vice-president of IIT, stated that very effort to obtain a new instructor for airplane design will be made. The aeronautical industry will be combed for the best man for this position, he stated.

All seniors in the aeronautical option can be assured of obtaining airplane design next semester, he added.

Dean Grinter also suggested that a supplementary aeronautical course may be given by Albert Gail, professor of aeronautical engineering.

In the future, Le Van Griffis, professor of mechanics, will give the course in airplane stress analysis. Gail will teach aerodynamics.

Hobson, Reed Go To Pittsburgh Meeting

Dr. J. E. Hobson, director of the electrical engineering department and of Illinois Tech's recent signal corps training program, Dr. M. B. Reed, professor of electrical engineering, attended a meeting of the editorial board of Harper and Brothers Publishing Company recently in Pittsburgh, Pa.

Dr. Hobson also visited the Westinghouse Company plant there. Before leaving for the East, Dr. Hobson addressed a meeting of the Illuminating Engineers in Chicago.

Oct. Seniors to Hold Last Dance

The October senior class will hold a graduation dance, Saturday, October 16, at the Knickerbocker Hotel. This was announced by Roger Olsen, chairman of the dance committee.

The dance will be held in the Oceanic Room of the Knickerbocker Hotel and will feature Fred Snyder and his six piece band. This will be a closed affair with approximately sixty couples attending. The room is on the roof of the hotel and has a balcony on which the couples can "roam under the stars."

It will start at 9:30 p.m. and will end at one in the morning. Drinks will be served at the tables.

The bids cost \$2.20 per couple and may be secured from members of the committee, consisting of Roger Olsen, James Ramseth, Tom Costello, Fred Sternberg, James Johnson, and Jack Byrne.

Wednesday Is Last Day for Pictures

Wednesday, October 6 will mark the last day that photographs will be taken for the Integral. The photographer will be at the school to take pictures of all those who have not yet had their pictures taken.

Pictures of underclassmen will be taken from 11:30 to 1:00 and 2:30 until 4:00. Those who do not have their pictures taken at that time will not appear in the yearbook. In case of conflicts students are advised to see either Ray Berggren or John Yoxen before Wednesday.

Harry Beach, Integral editor, stated that all those men who are graduating in October should leave a mailing address with their class secretary in order to obtain a copy of the Integral.

Beach also stated that "the seniors to be included in this yearbook are those who will be graduated in October, February, and June. The June graduates include those men who lack less than eleven hours necessary to graduate in February."

Electrical Honorary Initiates Nine Men

Eta Kappa Nu, the electrical honorary fraternity, formally initiated nine pledges September 10 at the Swedish Club.

Frosh Student Receives Award

Felix Rosenthal will be honored as the outstanding freshman mechanical engineering student Tuesday, October 5.

The award, consisting of Marks' Handbook for Mechanical Engineers will be made by Pi Tau Sigma, honorary mechanical engineering fraternity, at a smoker in the Student Union at 7:30 p.m.

This award is made to grant recognition to the man in the mechanical engineering department who was the outstanding student at the completion of his freshman year.

Honorable mention is made to Robert Negele.

Rosenthal was born in Munich, Germany. He is a graduate of Hyde Park high school. He was awarded the William J. Cook scholarship for three semesters.

Negele graduated from Riverside High School, and is also a holder of the W. J. Cook scholarship.

The award is granted to acquaint the freshmen and sophomores with Pi Tau Sigma and its purposes. The committee in charge of selecting these men was made up of Robert Sholeen, chairman, Edwin J. Hemzack, and Earl S. Goldberger.

The election of officers for the coming term will also be included in the meeting.

Dance Bids Limited In Number—Coccia

The spacious ballroom, the adjacent promenade, and the lounge of the Furniture Club of America, 666 N. Lake Shore Drive, have been obtained for the All School Dance on October 9, stated the ASSC today.

Will Back and his ten piece band will be there to furnish the music. The dance starts at 9 p.m. and couples will enter at the west entrance.

"All the faculty members are invited to attend as it is desired that they partake in the social activities of the school" said Mike Coccia, chairman of the All School Social Committee.

Bids are priced at \$1.75. "A limited number of bids have been made and after these are sold, no more will be available" the committee announced.

The social chairmen of the committee are the authorized salesmen of these bids; however, tickets may also be purchased in the lobby of Student Union.

"This will be the last school dance until the second or third week of the next semester. The success of this dance will determine whether the next dance will be held downtown or on the campus" Mike Coccia said.

A meeting of the ASSC will be held on Wednesday, October 6, in the West Dining Room.

ASTP Dance Guests Will Be SMC Girls

"Servicemen's Center girls will be guests at an ASTP dance on Saturday, October 16," stated Private John Craig, of the dance committee. "If this dance is a success the unit will hold several more during the winter."

The dance will be held in the Armory and Pvt. George McElroy and his band will furnish the music. The dance will be from 8 o'clock until taps.

Mechanics Colloquium Opens on October 6

The Mechanics Colloquium at Illinois Institute of Technology will hold its first meeting for the 1943-44 season on Wednesday evening, Oct. 6, in the new Metals Building.

ITSA Appoints Tau Beta Pi to Probe Lab Report Complaints

Too Much Time Spent on Writing Reports, Say Sophomores; Standards Fair, Claims Thompson

Subject of considerable discussion on the south campus last week was the matter of the sophomore physics laboratory reports. The latest development is the ITSA's appointment of Tau Beta Pi, honorary engineering fraternity, as an investigating committee.

Bill Parks, president of Tau Beta Pi, assisted by members Thomas Dunsheath and Bob Rose, will direct the investigation. It is expected that results of the probe will be announced after the next meeting of Tau Beta Pi, which will be held tomorrow at 5:30. A report of its findings will be made by Tau Beta Pi to the ITSA.

Complaints by the sophomores as to the amount of work they are required to do on physics have been raised perennially for many years. This term, several "letters to the editor" were written, and published in *Technology News*, the authors being sophomores who felt that they were being compelled to spend an unreasonable amount of time on physics reports. The matter was also brought up at a meeting of the sophomore class, and a committee was appointed by Tom Ruck, class president, to poll the opinions of students concerned, in order that a coherent and unified report might be presented.

The committee's first meeting was held last Tuesday at 5:30. The ITSA meeting at which Tau Beta Pi was instructed to look into the matter had been held at 2:00 that day.

Chairman of the committee is Arnold Rosner; Bob DeBoo, vice-president of the class, represents the

Tech News Banquet Is Sunday, Oct. 10

Technology News staff members will hold a banquet Sunday, Oct. 10 in the Swedish Club; 1258 N. LaSalle Street.

A leading journalist from one of Chicago's newspapers will speak at the banquet.

Two hours before the dinner, the installation of Pi Delta Epsilon, national journalism fraternity will take place.

Old members of the managing board will turn over their offices to the new board members as one of the events.

Funds for the dinner are from the Tech News treasury. Invitations are in the mail now.

Officers Elected By Graduate Club

John G. Volakakis, CE graduate assistant, was elected president of the Graduate Club, Friday, October 1.

Two Gas Institute assistants were elected to the offices of secretary and treasurer. Lewis H. Mahoney is the new treasurer, while J. W. Selph holds the office of secretary.

The next social event planned for the club will be a stag party, Friday, October 15. The new president urges all graduate students to attend.

ASME Monthly Discusses Navy's Diesel Engines

The navy and its Diesel engines, a field to which most navy engineering officers are assigned, is discussed in two articles in the September issue of the "Mechanical Engineer," a magazine published by the American Society of Mechanical Engineers.

This monthly magazine, free to all members of the ASME, will be distributed in the lobby of the Student Union, Friday morning from 10:30 to 11:30. The ASME officers,

class officers. At present, the committee, according to member Bill Burkhart, is having questionnaires mimeographed, for distribution to the sophomores.

Sample questions: How much time do you usually spend on physics reports? What do you consider a fair amount of time? Should more credit be given for physics laboratory? Should the number of reports be reduced?

If the sophomores fill out and return these forms, the committee will be able to say with certainty how the majority of the class feels.

In order to present a complete picture of the situation, a *Technology News* reporter interviewed Charles A. Tibbals, dean of students, and Dr. James S. Thompson, head of the physics department. Dean Tibbals, when asked how much work should comprise one hour's credit, stated that a semester hour credit, by definition, calls for three hours of work, whether done inside or out of the classroom or laboratory.

Dr. Thompson, when advised of the action which had been taken, said he would be glad to cooperate in any way he could with the sophomore committee or any similar group.

The main aim of the department, said Dr. Thompson, is to offer as good a course in physics as is possible, while at the same time keeping the level of work such as to represent the laboratory work in a school with high standards. He feels that the standards set at IIT are fair in comparison with other institutions, and further emphasized that the decisions in the matter are not those of one man, but of the entire department. An "A" report should represent a high level of work, which means that the average student will get a "C" more often than an "A" or "B."

Brain Twister

(Editor's note: This new column will give you, our readers, a chance to match your brains against Bert Pearl's. This will be a pleasant relaxation from the strain of education. Contributions will be welcomed, and may be placed in the Tech News Box in the Student Union Lobby.)

1—A one mile steel rail expands 1 foot each summer. One cold winter the ends of the rail are staked down. The next summer the rail, trapped, rises in the center. Without resorting to mathematics, would you say that the rail rises 1 foot, less than 1 foot, or more than 1 foot?

2—A man is looking at a picture on the wall. Musing, he says: "Brothers and sisters I have none, but that man's father is my father's son." Whose portrait is he viewing?

3—Three men on a bear hunt leave their camp armed with their favorite weapons, a rifle, a cannon and a pea shooter. They walk fifteen miles south, play a few hands of gin rummy, and then go fifteen miles east. There they sight their quarry, a bear. So the intrepid hunters let fly with the rifle, the cannon and the pea shooter. They then drag what is left of the bear the fifteen miles north back to their camp, where they make bear stew.

What color was the bear?

Answers to the Brain Twister.

1. Believe it or not, the rail rises approximately 50 feet.

2. He is looking at his son.

3. The only way the three distances could be equal is if the hunters started from the north pole. Consequently, this was a polar bear, so the bear was white.

Private Snafu

by Chuck Rice



"... and he says he has a device to save the men a lot of walking between classes."

SIX Peebles Announces 2nd ASTP V-12 Tests

The second qualifying test for the ASTP and the Navy V-12 program will be given here on Tuesday, November 9, announced Dean James C. Peebles today.

All students between the ages of 17 and 21 inclusive will be eligible to take the test, he said. The same examination will be taken by both army and navy candidates, and is designed to test the aptitude and general knowledge of students. At the time of the test each candidate will be given a choice of service preference, but taking the test does not obligate the candidate to enlist in the service.

Of the 140 who took the test here last April, stated Peebles, 100 passed the test. Most of these men went into the V-12 unit at IIT.

Those selected by the services will be sent to college under military discipline on active duty in uniform with pay. All expenses, including tuition, food, housing, books, and uniforms will be paid by the army or the navy.

BURKART(S)

(Continued from Page 1)

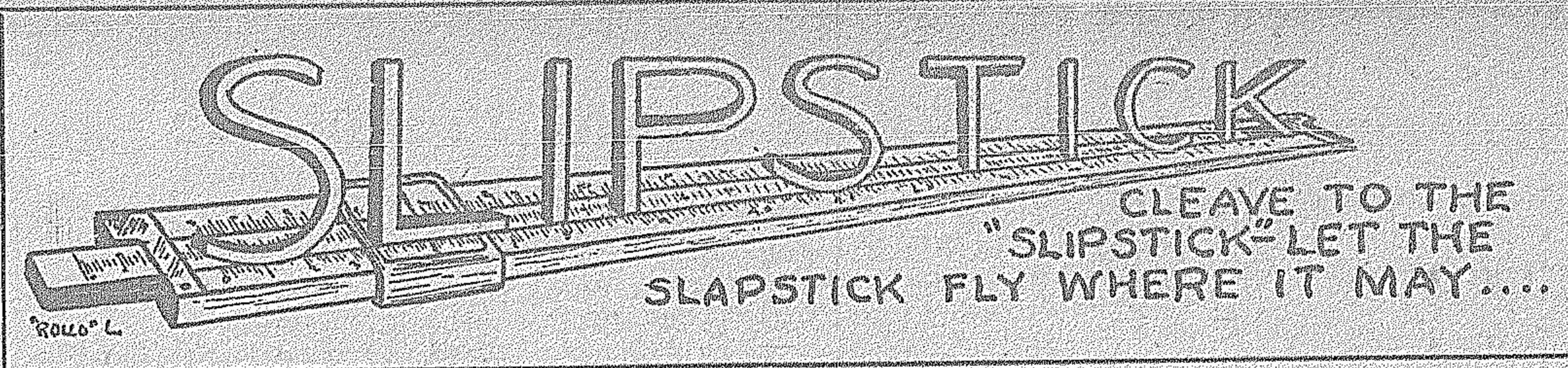
Burton K. Fried, a junior physics major, will assume the position of business manager on the new staff. He joined the staff as a reporter in his sophomore year and was made the office manager later. Fried is a member of Rho Epsilon and was one of the founders of the newly formed society for science majors. He is now president of that organization. He is also an assistant in the physics laboratory.

Wilbur L. Burkhart, a sophomore chemical engineering student, will be the new feature editor. He has been with the staff since his freshman year, and has been a member of the Glee Club.

James Oldshue, sophomore civil major, is the new sports editor. Jim is a member of the baseball team and the basket ball team. He was a member of last year's championship intramural basketball team, and won his letter for his work on the baseball team.

Isabella Winter will remain as the Lewis managing editor, having been appointed to the post only last semester.

Herman Nelson, also a sophomore, was named the new assignment editor. This is the only post exclusive of the managing board positions that was filled by the retiring board.



The wife and daughter of Colonel Berry, camp commander, came to the gate after taps and demanded admission. The sentry objected.

"But my dear, now you don't understand," expostulated the elder woman. "We are the Berrys."

"I don't care if you're the cat's whiskers," retorted the sentry. "You can't get in at this hour."

V V V

"Darling, the maid has burned the eggs. Wouldn't you be satisfied with kisses for breakfast?"

"Sure, bring her in."

V V V

"What is home without a mother?" said the private to his girl over the phone.

"I am, tonight," she sighed.

V V V

"Do you believe in Santa Clause?"

"No!"

"Then leave my stockings alone."

V V V

Mess Sarge: "You're not eating your fish. What's the matter with it?"

Pvt.: "Long time, no sea!"

V V V

Did you hear the one about the maiden who died and asked not to have "Miss" put on the tombstone because she hadn't missed as much as they thought she had?

V V V

He: "How's that leopard skin I gave you?"

She: "It's all right in spots."

V V V

"Ah has seven chilren," testified the colored woman on the witness stand, "two by mah fus husban, tree by mah second husban, and two by mahself."

WIND TUNNEL

(Continued from Page 1)

Wan and L. Zwissler, two graduate students.

After the interest of the army and of the National Advisory Committee for Special Research Work became apparent, stated Reissner, Dean Grinter made it a project of the civil engineering department.

Since then Harry Gillespie, senior civil, and George Morikawa, an assistant in mechanics, have completed the design of the power installation and have checked and improved the details of the propeller drive under the supervision of Professor Phil C. Huntley, LeVan Griffis and Hans Reissner.

Dr. Reissner designed both the first controllable pitch propeller and all-metal plane. Before he came to this country he was a consultant to the German Air Ministry and several German aircraft engine factories. He was regarded there as one of the leading propeller experts. Besides his work at the institute, Dr. Reissner is a consultant on theoretical propeller design for the major propeller manufacturers of this country.

WANTED:

New or used drawing set. See Art Olson—call Regent 4753, Tech News Office—Friday night.

AXE Initiates New Members

Alpha Chi Sigma, professional fraternity, formally initiated 12 members, Sunday, September 26.

Three of the new members, William Meyer, Norman Schmitz, and Bertil Peterson are navy chemical engineering students. Schmitz and Peterson are juniors, while Meyer is a sophomore.

Paul Werelein, science student, and George Prochnow, arts and science major, both sophomores, and Charles Conforti, junior chemical, are the new members from the west campus.

The civilian body is represented by the remaining six members. Chan Price is a graduate student, while

other are chemical engineering majors. Cliff Oliver and Jack Eulitt are seniors. Edward Schaschl and William Parisoli are sophomores and Ray Gardner is a junior.

The initiation took place on the Armour campus Sunday afternoon, and a banquet was held that evening at Marty's Grill.

Professor Robert C. Kintner, Dr. Bruce Longtin, Professor Ralph E. Peck, and Dr. Edward Bieck attended the evening dinner.

Interhonorary Council's Advisory Service Opens

Few students have taken advantage of the Inter-honorary Council's advisory service, stated Bill Parks, president of the council.

Any student in difficulty or who seeks advice, is free to ask members of the honorary fraternities, said Parks.

1st Jap: "Why doesn't Ytsi Suki commit hari kari?"

2nd Jap: "He ain't got the guts."

V V V

"I'm not on guard tonight, girlie."

"But I am, soldier!"

V V V

Blonde: "Do you like this lip rouge? It's the latest novelty."

Sailor: "Well, the novelty will soon wear off."

V V V

Nettie: "The fellow I was out with last night paid me at the rate of \$10 a kiss."

Adelle: "Are you going to see him again this evening?"

Nettie: "I should say not. I'm not dating up any pauper."

V V V

Johnny: "A birdie told me the kind of lawyer your father is."

Freddie: "What did he say?"

Johnny: "Cheep, cheep."

Freddie: "A duck told me the kind of a doctor your father is."

V V V

Pilot: "You are just as safe in this plane as you are in your own home."

Passenger: "Excuse me; I'll take a train."

V V V

Teacher: "What branch of the human family did the Murphys spring from?"

Irish Lad: "The Murphys don't spring from nobody. They spring at 'em!"

V V V

Pvt.: "I don't see what keeps you girls from freezing."

Girl: "You're not supposed to."

That's all, fellows,

Biss (Snuffly) Smith

AS I SEE IT

(Continued from Page 1)

ignore theory completely in preparing for the experiment, because previous experience soon shows him the only way to make certain the report will pass is to copy the theory blindly from the recommended textbooks. Does this accomplish the purpose?

The physics department has set the standards high in an effort to present a course that is comparable to those offered in any other school in the country, and they rigidly maintain these standards.

BUT, BY REQUIRING these standards to be met in a complete, written report, such as is demanded every week at present, they are failing to see the forest because of the trees.

It cannot be denied that the reports, in a great majority of cases, are done in a perfunctory fashion that not only fails to teach the student physics, but actually robs him of time that might be spent much more profitably in another manner.

I believe the physics department, by requiring twelve final reports in place of the previous seven, has failed to aid the superior student who would do the extra experiments even though optional, while imposing conditions upon the remaining students that stifle whatever effort they might have expended in mastering the course correctly.

THIS WEDNESDAY, and this Wednesday only, will underclassmen who failed to have their photos taken for the Integral, be given another opportunity to see their picture in the yearbook. This Wednesday is absolutely the last day the photographer can be here, and only 433 of some 750 or more Armour juniors, sophomores, and freshmen have complied with the previous notices. Consult the bulletin boards or the notice in this issue of *Technology News* for the time to appear for your picture.

100 Girls Are Hostesses To ASTP Group at Dance

One hundred girls were hostesses to 225 soldiers in the Armour Field Gym Sept. 30.

After listening to a combined army and navy band the ASTP members danced with the girls to the music of George McElroy's ten piece band.

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A tasty in-between snack
high in energy.

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FINE ITALIAN FOOD

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Plate Lunch \$0.45

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Business lunch served
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acquire friendly abbreviations. That's
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