the new TECHNOLOGY NEWS

Volume 32, No. 7 Z-143 ILLINOIS INSTITUTE OF TECHNOLOGY August 23, 1943

as I see IT

By DICK LARSON

"ARMOURITE INJURED by auto"

Back in March, 1942, that caption appeared above a three-column picture in Technology News. It depicted a well-known student being struck by an automobile on the corner of 33rd and State streets.

This action, coupled with a demand upon the part of the administration, brought a stop sign to the corner, but stop lights were stated to be out of the question due to lack of priorities.

The demand for stop lights then became a dead issue, and the corner continued to be an obstacle course because the stop signs are actually non-existant as far as stopping drivers is concerned.

Already this semester an army truck was struck and overturned, injuring three Illinois Tech ASTP men. Less than two weeks ago a non-civilian crossing there was struck by a car, but was fortunate enough to be able to get up and walk away.

Last week, Bill Cannon, a V-12 student at IIT, suffered compound fractures of both an arm and a leg as a result of an accident at this corner.

If this rate keeps up we'll have another dead issue for sure, yet from lack of action on the part of the city it can only be deduced that all these injured people were Republicans.

The city has maintained that it is the lack of stop lights and priorities to get them that prevents them from erecting these lights, yet there are four stop lights, in the yard in back of the main building, lying unused.

We don't like to think that the health of the many students who must cross at this intersection every day is of no concern to the city officials, but their lack of action leaves us no selection.

ILLINOIS TECH HAS been losing a porch, piece by piece, lately, as the neighbors find need for firewood. The straw that broke the camel's back, (or shall we say the institute's porch?) was the disappearance of the last piece of porch last week. The porch was retained as a fire escape, and will be replaced by a metal one as soon as priorities allow.

TUTORING CLASSES in physics and math were started by three seniors last week to help straighten out freshmen tangled up in these subjects.

One of the first men to utilize the class, however, was a sophomore,

(See AS I SEE IT on Page 6)

Tomorrow to Mark Arrival Of Donor Unit

Over 350 Volunteers Offer Blood Thus Far; Pledges Still Coming

"Over 350 Illinois Tech students have already volunteered to donate a pint of blood this week, and the drive hasn't yet reached its full impetus," War Council President Harry Gillespie stated Friday. "Reports from all of the navy houses have not yet come in, and the army men have not even seen the registration blanks yet."

The Blood Donor Unit will be here Tuesday, Wednesday and Thursday, and if reports from the ASTP unit are realized, Gillespie revealed, the goal of 600 donors might easily be exceeded.

Gillespie urged that donors unable to keep the appointment assigned them, notify him at once, and that all donors bring certificates of previous donations with them at the time of donation.

Appointment cards will be issued in the Student Union lobby today, and will not be mailed as was done on the previous visits of the unit. The Unit will operate on the following times:

Tuesday: 9:00 a.m.-11:20 p.m.; 1:20 p.m.-3:40 p.m.

Wednesday: 8:40 a.m.-11:20 a.m.; 1:20 a.m.-3:40 p.m.

Thursday: 8:40 a.m.-11:20 a.m.; 1:20 p.m.-3:20 p.m.

V-12 officials announced that all navy men who donate blood will be excused from physical education classes on these days. Of the 350 donors thus far, 158 are V-12 men.

Camras and Recorder

Mr. Marvin Camras, inventor of the wire recorder developed by the Armour Reseach Foundation under his direction, points to the magnet which makes the recorder possible.

Sound Recorder Developed Here Finds Use in European Battle Zones

The wire sound recorder developed by the Armour Research Foundation is seeing action upon the European battle fronts. First news of the wartime uses to which the recorder has been put was revealed when Ed Murrow, correspondent for The Columbia Broadcasting System, took the instrument to England recently for use on the front.

Much of the work done by the sound recorder is confidential, but it has been used aboard planes which recently bombed Hamburg. It has been found that "on the spot" recordings of battle sounds are of great value in training combat fliers, and experiments are being continued along this line. Other reports have stated that the recorder has been used by the Army Signal Corps in Sicily for similar recording purposes.

Speaking of the latest achievements of his brainchild, Marvin Camras, inventor of the wire sound recorder and Foundation physicist, said that the value of the recorder lies in its compact size and ability

(See SOUND RECORDER on Page 6)

Col. G. B. Egger Commander of ASTP Unit Now

Army Veteran Given Post After Colonel Sumner's Retirement

(See picture on Page 4)

A new commanding officer is now in charge of the 500 ASTP cadets at IIT. Colonel Grover B. Egger, army veteran of 27 years, took over the duties of his new office last Monday.

A mechanical engineering student at Mississippi State college before he entered the army, Col. Egger has again come into contact with the profession he planned to join.

His assignment here came with the retiring of Col. Lee Sumner, the unit's first commander. Col. Egger had been on duty with the Sixth Service Command for the past year.

Although most of his army years have been spent in active service, Col. Egger has served in an educational capacity before. From 1941 to 1942, he was assistant to the professor of military science and tactics at the University of Michigan, at Ann Arbor.

The new commanding officer is a veteran of World War I, in which he served as a captain. He has also seen duty on the Mexican border in 1916, and in Chica from 1929 to 1931. Following his service in China, he was promoted to major.

Much of Col. Egger's duty in the United States has been as an instructor with the National Guard. Prior to his service in the regular army beginning in 1916, Col. Egger served from 1908 to 1916 in the Mississippi National Guard. Actually then, he has seen 35 years of service in the National Guard and 27 in the army.

While on duty with the tenth infantry at Fort Thomas, Ky., in 1939, Col. Egger was promoted to lieutenant colonel; he was made a colonel just one year previous to his new assignment at Illinois Tech.

668 Enrolled in Mechanical Department; Sophomore Class Largest with 246

With a total of 668 students in the department, the mechanical engineers at IIT have the greatest number enrolled for the first term, according to figures from the registrar's office.

In this total the sophomores have the largest enrollment with 246; seniors, 141; juniors, 138, and freshmen, 136. In the mechanical engineering department there are six graduate students and one part time.

The chemical engineers are the second largest group with 268 enrollments, while the electrical department has a total of 227. In both of these departments the sophomores again have the largest number with 77 and 90 respectively.

Smallest number of engineers at IIT are those enrolled in the industrial engineering department, which has 18 students.

Other department enrollments are civil engineers, 104; fire protects, 28; architects, 33, and science, 56.

All of these totals include civilian, navy, graduate and part time students at the Institute. The largest number of navy trainees in a single department is in the mechanical engineering group with apprentice seamen numbering 194. Smallest navy enrollment is in the department of architects with three students.

There are 38 graduate students at IIT and 9 part-time enrollees.

First All-School Social Event To be Dance, Saturday Sept. 4

Dance Will Be Open to Army, Navy and Civilians; Armory May Be Obtained As Site for Event

The first all school dance, under the sponsorship of the newly empowered All School Social Committee, will be held on Saturday evening, September 4. In anticipation of a large crowd, the ASSC may obtain the Armory for the occasion.

Civilian, navy, and army men are all invited. "Everyone is expected to attend because the admission price, although it has not definitely been established, will approximate the price of a downtown movie. Bill Rohter and his eleven piece band have been secured for this gala affair," Mike Coccia, chairman of the committee stated.

The success of this dance will determine whether or not the Armory may be had for future social events.

A date bureau will be organized and ready for use for the dance on September 4. Coccia states that this bureau will be large enough to accommodate the civilians, navy, and army men, and will abolish the excuse for non-attendance.

The final plans for the occasion will be discussed at the next meeting of the ASSC on Wednesday, August 25, at five thirty in the east dining room. The freshman social chairman is urged by the committee to attend so that the entire committee will be present at the discussion.

At the last assembly of the ASSC the following questions were decided:

Dances were suggested to be held every three weeks. Miss Lippert will purchase the refreshments and the committee will distribute them in the east dining room. The cost of these functions will be met by a normal admission price.

The date bureau will amalgamate Mrs. Orcutt's and the Dance Club's facilities. The funds necessary for this function will be drawn from the social committee's appropriation. Plans are to be presented two weeks before the occasion will take place.

Each class will be represented by the social chairman and his committee. The profits are to be prorated among all the classes. Four downtown dances will be held a year, one each season. The dance shall not be presented less than three weeks before the end of the semester.

The following members of the 3666th ASTP unit are co-operating with Managing Board of Technology News in publishing an Army-page monthly in the school paper.

Army-page Editor.....JOHN CRAIG

Staff Members

Harold Gilbert, Hugh Gibson, Hugh Ingram, Philip Levy, Bates Lowry, Charles Rice

Civilians to get Hot Lunches; Meals Will be Served From 11-12:

New Equipment Alleviates Lunchroom Situation; Navy Students Will Have Chow From 1 - 2

Hot lunches have returned to the civilian student's table.

Today, for the first time this semester, plate lunches will be served, announced Miss Vivian Lippert, cafeteria manager, early this morning. The meals will be served between the hours of 11 a.m. and 12:35, and from 2:10 until 2:45 p.m.

In order to accommodate those students who have a lunch period at 12:20, the food counters will be open until 12:35, when they will be closed to everyone, said Miss Lippert. Students will then have until 12:45 to finish their lunches. Navy students only will be allowed in the cafeteria from 1 until 2. The east and west dining rooms, however, and one row of tables will still be open to the civilians. During these hours milk and sandwiches will still be served.

The 15 minute period during which the lunchroom is closed will be utilized to clean the room and prepare for the naval students.

Later in the afternoon, supper will be served; the hours will be from 4:30 until 5:30.

"Because we have been able to obtain the necessary equipment before this time, it was impossible to serve the civilian students," said Miss Lippert. Last week, a mixer and a bake-oven arrived and were installed to make nearly complete the equipment necessary to serve both groups. Although delivery had been promised early last week, an essential item, a vegetable peeler, has yet to arrive.

The menu for the next few weeks will include one type of plate lunch costing either 25 or 30 cents—fruits, salads, and sandwiches — according to the announcement. The fountain will also be open. On Fridays, both meat and fish will be served.

The cafeteria established by the Research Foundation will remain in operation to accommodate the foundation's staff and some of the faculty, according to Raymond J. Spaeth, business manager of the Institute. This cafeteria has been in operation since the beginning of this semester. Hot food has been prepared and brought to the Minerals and Metals Research building by a caterer.

(See CIVILIANS TO GET on Page 6)

The new TECHNOLOGY NEWS

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Manner Mouse?

Even if it did take a wholesale display of bad manners at the army-navy introductory assembly to bring the conduct of a typical 'tech' type to the attention of the remainder of the student body, perhaps it will serve a purpose by the very fact that this attention was so widespread.

If the undercurrent of protest at the actions of their classmates was any indication, at least part of the men have had some previous etiquette training. This, at least, is encouraging.

However flagrant the violation of good taste may have been, it is, nevertheless, merely one indication of the rapid disintegration of campus etiquette.

Walking out on a speaker before he has completed his talk is being done every day, if an instructor may be so unfortunate to be still speaking when the bell rings. How then can we blame the offenders for doing what has become natural for them?

It is obvious that this problem of good manners must be tackled at a much lower plane. Instruction in civil conduct should have been started before we were able to walk. Either our parents have failed, or we have come to consider Illinois Tech as little better than a gang hangout.

Backas, in his editorial last week, intimated that we were acting like high school kids. I think he is mistaken. If we had assumed the same attitude in high school as we do here, we would still be sitting in the principal's office.

We can't get away with such conduct anywhere else, why is it taken for granted here?

In other schools—"No Smoking" signs mean no smoking!

Enrollment in a course means coming to class, coming on time, and leaving only when the instructor indicates dismissal. It means refraining from talking at once when it is time for the class to begin, as other classes are in session even if one of them isn't.

It also means refraining from entering with a clamor if tardiness is unavoidable, and from disturbing a preceding class should you arrive early.

Common courtesy asks only that we wait our turn when using crowded conveyances or entrances—that we take off our hats when entering buildings—that we dispose of refuse in containers provided for that purpose.

We shouldn't be hearing this for the first time, but if we have heard it before we haven't given any indication of it.

Employers won't say "just don't mind him, he's one of the sngineers." It'll take him only two words to tell us what he thinks of our conduct.

Engineers, unfortunately, are also expected to be citizens; it's about time we started practicing that phase too.

—LARSON

Man Of The Week—

Introducing Pvt. John Craig—Orator, Singer and Editor of the Army Page

By MILT BURKART

The man of the week for this issue is none other than a buck private who has been at Illinois Tech for less than a month. He is Pvt. John Craig of the ASTP unit stationed at IIT.

Private Craig has earned this recognition through his efforts on the Army page in this issue. "Blitz" Craig, as he is known in the army, has carried the full responsibility of producing this page, which will be a monthly feature in *Technology News*.

"Blitz" Craig enlisted in the army on Dec. 7, 1942, at Jefferson Barracks, Mo., where he spent his first two months of military life in the hospital with the measles and pneumonia.

After being released from the hospital, Craig was transferred to the heavy weapons battalion at Camp Walters, Texas.

While at Camp Walters Craig was a reporter on the camp newspaper and a member of the men's glee club which appeared on various radio programs. Although he has been in the army eight months, Pvt. Craig has never been on K.P. duty.

John Craig was born the son of a Methodist minister in Fayetteville, Mo., and educated in Hannibal. In high school he was a feature writer on the school newspaper, which took first prize in national competition for two years in a row.

As a member of the dramatics club he played the leading role in the school production of "Charley's Aunt."

"Blitz" was a member of a male quartette that reigned as state champions for two years. He also played a trumpet in his school band, but was forced to give this up when he lost his teeth in an automobile accident.

Wearing false teeth has provided Pvt. Craig with some embarrassing predicaments. He lost them once in a swimming pool, and at present is trying to keep his room-mates from pilfering them while he sleeps.

He also has won the Mahan Award in his state for oration and composition. This netted him a cash prize and a trip through the state of Missouri.

He is active in church work, having served as president in his local young peoples association. He was also treasurer of the Missouri Methodist Young Peoples Association.

After graduating from high school, Craig enrolled in the Kirkville State Teachers College, which he left a year later to attend Central College in his home town. While at Central he was on the staff of the Central Collegiate, the school paper.

During his spare time he also worked on the city newspaper. Besides this he has worked on the Carrollton Daily Democrat, where he wrote news, feature and obituaries.

Private Craig arrived at IIT on July 3, 1943, with the ASTP unit. He is serving as the assignment editor for *Technology News*, and handles all the stories from the army. After the war Craig, who is only 19, intends to make a career of journalism.

Mail Call

(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. Contribuions 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

Getting his share of traveling, A/C Richard W. Metcalfe, Ch. E. '43, spent the winter in Florida and now is studying and training at Stillman College, Yale University.

"The basic training in Florida was really swell. The setup at Yale, however, is rather heavy with work. We go from 7 a.m. to 11 p.m. with one or two breaks in the morning besides meal hours.

The food and accommodations are both excellent and the physical training is tougher than hell. Some of the courses are very good while others are strictly a waste of time.

All in all the worst feature of the whole place is the fact that we have only one day to ourselves.

On top of that they haven't got any USO's in town and the only way to snag a babe is to go out on the wolf. Such an idea is strictly the bunk."

V V V

Pfc. Wolfram Futterer, M.E.C. '43 now at Massachusetts Institute of Technology writes of the glories of MIT but as a loyal alumni claims that the undergraduate school is no better than IIT's.

"Have been at the best schools in the country during the last month, Georgetown, Carnegie Tech., and finally MIT.

I'm taking a 12 week course in marine transportation, the only one of its kind in the country. There are only 25 of us in the class, all college graduates and a swell bunch of fellows.

This course is very interesting; it is made up of courses in labor relations, port facilities and cargo handling, characteristics of ports, ship operation, properties of ships, military science and of course physical training.

If we successfully complete this course, we will be sent to officers candidate school. From there we will be sent to some embarkation port as transportation engineers.

It will be our job to see that the ships are fully loaded and loaded in the best way."

V V V

From Ensign James Doane, USNR, M.E. '43, comes news of a typical advance made by former IIT men.

"I went through specialized training as a dive bomber and got my wings about two or three weeks ago.

I am now taking operational training which is the last step. Then, I don't know where I'll go. I will either be sent back as an instructor or go out with the fleet."

V V V

Some of the trials and tribulations of a soldier are expounded by Pvt. Mel Levey, M.E.C. '43, in a letter received from Camp Crowder, Mo.

"We made a forced march yesterday cross country with full packs that include a full roll. After every mile the pack increased in weight by at least ten pounds.

If you can imagine what the foot hills of the Ozarks look like, then you will know what kind of terrain we ambled over."

The Collegiate World

A metallurgy course for the Escola Politecnica School, San Paulo, Brazil, has been organized by Professor Comstock of Stevens Institute of Technology. The course will last a year and will be taught by four lecturers: Dr. A. Allan Bates, Director of Research Laboratory for Westinghouse, Dr. Robert Mehl of Carnegie Institute of Technology, Dr. Arthur Phillips of Yale University, and Dr. Comstock.

from our READERS

(EDITOR'S NOTE: This column is for expression of ideas from readers. Letters containing not more than 250 words will be printed. Anonymous letters will not be considered for publication, although a writer's name will be withheld from publication if desired. The Managing Board reserves the right to select the letters to be printed whenever the number of letter submitters exceeds the space allotted for this column.)

Dear Editor:

This is in reply to the letter from the Interhonorary Council which says that civilian students at IIT are slackers because their class attendance is not as good as that of navy and army students.

We all know that the success of a fighting unit, either army or navy, depends upon each man following his every order no matter how insignificant it may seem to him.

Consequently strict rules on class attendance, shoe shining, etc. are imposed on service men to train them for this regimentation to which they must necessarily be subjected.

On the other hand, in training engineers for industry, initiative and responsibility should be main objectives, and a man should be judged by what he accomplishes.

So, without an unduly long discussion on this subject, I would suggest that the Interhonorary Council withhold their judgment of slackers until the end of the term.

At that time those civilians whose grades so indicate, should certainly not be deferred longer from the draft. But in the meantime it is foolish to judge a man by his failure to comply with petty rules.

L. E. Packard

The sophomore Physics Lab, Physics 205-6 is a good course in report writing, but the sophomores haven't the time for it.

For example, we may work for three (usually more) hours on a preliminary report only to have it returned for correction because of some little mistake that it will take an hour or so of our very scarce time to correct.

Then we return them perfect, we think. But the darn things keep coming back. By the time they are accepted, we have worked the equivalent of a week in any other course on the preliminary alone.

Finally our prelim is accepted. Now all we have to do is write the report—a push over. So we write the report. We get it back for correction. That prelim wasn't right yet; a reading was left out of the report. Naturally, this makes us very happy since we have worked far into the night on the report. Many of us are still longingly awaiting the day when our first report will be accepted.

Besides being a terrible nuisance, Physics Lab leaves very little time for our other courses. Many students have complained of the mountain of work encountered in that monster, the Physics Lab.

Grades, for a large part, are given for quantity and neatness, instead of quality. The only way to get that quantity, students have found, is to copy the lab manual quite closely. What will we learn by doing that?

To shorten working hours, the required length of the preliminary report should be decreased considerably. Some attempt should be made to clarify the lab manual.

All physics-infested sophomores may as well give up all their classes. There are only 24 hours in a day and even without sleep, there isn't enough time. Yours for a shorter and fairer Physics Lab.

Bert Pearl

The Other Side—

Komarewsky, Russian Admiral, Skier, Expert on Both Gasoline and Rubber

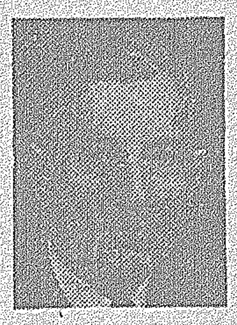
By BURT FRIED

Whether rubber or gasoline is more important to the war effort is a moot question, but it does not bother Vasili Komarewsky.

For Komarewsky, who is a research professor of chemistry and head of the catalytic laboratory at IIT, has done work on both synthetic rubber and aviation gasoline.

For many years, Dr. Komarewsky has been concerned with the problem of catalysts. After coming to IIT in 1936, he organized the catalytic laboratory for the purpose of studying further this very complex problem. His research on synthetic rubber and high octane gasoline has been concerned with this subject.

Komarewsky was born in Moscow, and entered the University of Moscow in 1913. However, the advent of the first World War cut short his studies, and he became an officer in the air force of the Russian Navy.



Dr. Komarewsky

The task of his unit was to patrol the Northern part of the Black Sea for German submarines, and to bomb the ones found. His was not too difficult a task, since anti-aircraft was at that time in a primitive state.

However, being an officer in the Czar's navy had its drawbacks, for, when the Russian Revolution took place, Komarewsky was imprisoned several times, merely because of his officership.

In 1920, he went back to the University of Moscow, completing his studies in 1925. The subject of his thesis for a Ph D. was a co-precipitated nickel-aluminum catalyst. This has since been used for many reactions, one of the most timely being the production of toluene (used for TNT) from petroleum.

From 1925 to 1928, Professor Komarewsky did research at the Kaiser Wilhelm Institute in Berlin, as a fellow of the Soviet Union. His work there was on three Soviet fuels, cellulose, coal, and peat.

Upon returning to Moscow in 1928, he became chief chemist of the State Institute of Peat, and assistant professor of the Moscow Academy of Mines. He organized the first laboratory to study the chemistry of peat.

While attending a World Power Conference in 1930, Komarewsky was invited by Universal Oil Products Co. and Northwestern University to come to the United States.

OUTSTANDING PEOPLE make up the faculty of Illinois Tech, and this column seeks to acquaint the students with the activities, and particularly the research work, of some of the members of the faculty and to tell "the other side" about them.

He did so in March, 1932, and lectured at Northwestern for two years. He was also a research chemist for Universal Oil for eleven years, and has some 50 patents.

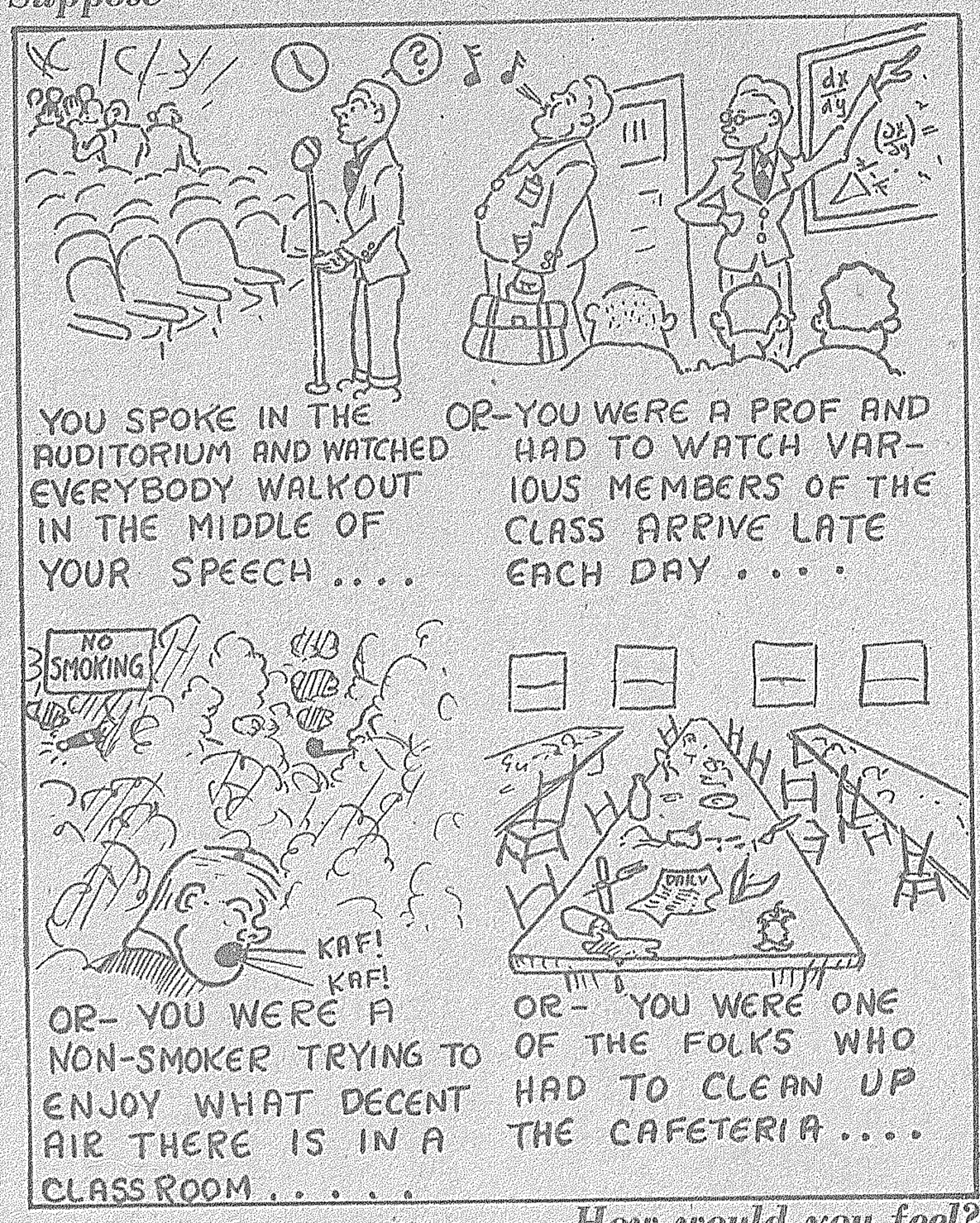
In 1936 he came to Illinois Tech. The catalytic laboratory and the catalysis were the first of their kind in the country. Only a few of Dr. Komarewsky's research accomplishments while at IIT can be listed.

With C. H. Riesz, of the Gas Institute, he improved the production of the synthetic rubber, butadiene. Using a single-stage dehydrogentation of butane, he obtained larger yields than are possible by other processes.

The application of catalysts to organic syntheses has resulted in new methods for the preparation of ketones, aldehydes, and unsaturated hydrocarbons.

Since much is still unknown about the phenomenon of catalysis, Dr. Komarewsky has combined the methods of the physicist and the organic chemist to study it. One development has been the complex-action catalyst.

Suppose—



How would you feel?

CHICAGO—

Romantic Beach Walk Always a 'Must'

DANCING under the stars—that is the outstanding feature of the Beach Walk of the Edgewater Beach Hotel. Gay lanterns and colored lights swing from the trees around the dance floor; they lend a romantic atmosphere to blend with the soft waves of nearby Lake Michigan.

The board walk along the beach and the pier out into the lake provide that added touch of romance, unmatched in Chicago.

Ed Oliver's band provides danceable music; the Dorothy Dorben Dancers plus other specialty acts provide floor shows twice each evening at 9:15 and midnight.

Service men are admitted free at all times. Civilians pay $1.50 admission per person on Saturday and $1.25 on all other evenings. Drinks served at tables are, of course, separate charges.

names 'n notes

The picture of Warren Furst, last week's "Man of the Week", was not available then in time to be included with his biography. So that Illinois Tech will recognize this outstanding student, his picture is included here.

SAM ZIRLIN, freshman, placed second in the recent state archery contests . . . RICHARD KOENIGSBERG, a freshman attending IIT on a scholarship, is following in the footsteps of his father, Ned Koenigsberg, class of '14 . . . BILL WOODS, sophomore physics major, recently donated a clarinet to the Illinois Tech music clubs . . . Two senior mechs, NORMAN ADDIE and WARREN DECATUR, have tested the automobiles of the students in Prof. DANIEL ROESCH'S engine class. They determined the engine R.P.M. and the combustion efficiency for rich and lean fuel mixtures.

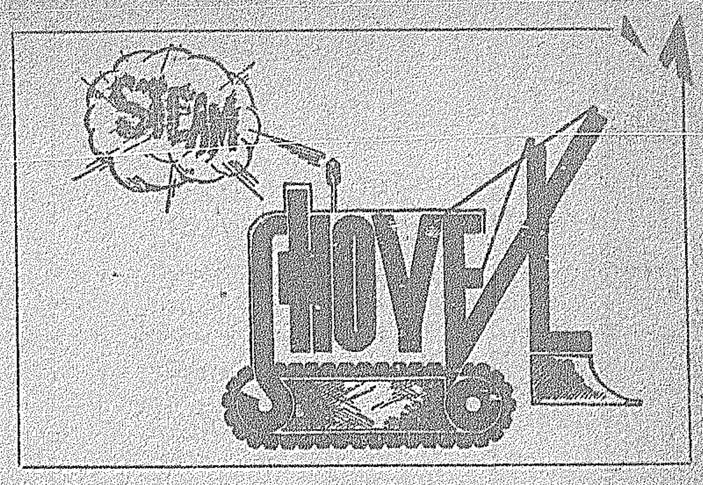
ALBERT GAIL, professor of aeronautical engineering, is one of the engineers who designed the German Messerschmidt airplanes . . . DON PRICE, sophomore electrical, has been a model railroad enthusiast since he was 13 . . . CARL GAUSEWITZ, electrical engineering junior, is also an instructor in a U.S. Signal Corps School.

FOR those of you who have a hankering for football in August, and if you can manage a few hours away from the books, there's next Wednesday's All-Star Game between the Washington Redskins and the College All-Stars.

In the years past, the game has proved to be a good exhibition of college and professional football, even though last year a fog rolled in from Lake Michigan so thick that one couldn't see the length of the gridiron.

By now, all of the lower priced seats are gone, but those remaining are good ones. Transportation furnishes a further problem; the scene of the contest has been moved from Soldiers' Field, where it has been held since its conception, to Dyche Stadium, on the Evanston campus of Northwestern University.

Present reports announce that both teams are in good condition; the Redskins have been working out in Loyola University campus, while the All-Stars have been whipping their team into shape over at Northwestern.



"Lives of great men all remind us
We can make our lives sublime;
And in parting leave behind us
Footprints on the sands of time."
—Longfellow

Yes, friends, the fickle finger of fame points to Milton Burkhart, who not only has left his footprints but his reputation on the sands. The following ditty will attempt to explain:

Oh, Burkhart the red head, now coos like a dove,
For Milton the sucker has fallen in love
And the lady he swears can never be beat
Is Peggy, the queen of West Madison street.

She owns her own tavern; she calls it an inn
She sells week-old whiskey, and drinks White Mule gin.

The flop house she runs is filled up every night
Five cents if you're sober, ten cents if you're tight.
She packs them so well, it has often been said,
Her income per night is two dollars a bed.

Her manners are lady-like, gentle, refined,
Those that say different are being unkind
For though she can swear and fight like a man
She's given up drinking her beer from a can.
She's going to start eating her soup with a spoon
And start wearing skirts if her pants wear out soon.

She's witty and clever, she's dainty, petite
With her size forty waist and size thirteen feet.
They make quite a couple, we all do agree
She's never had a lover devoted as he,
Milt gives her a kiss; she gives him a hug
Then they each take a bite from her "Horse Shoe" plug.

And as they there sit and so solemnly chew
They make the best couple that I ever knew.

Here is a little problem that was recently solved by students of IIT.

Tom Costello sold a 1932 Harley Davidson motorcycle to Norman Addie. On New Year's day Addie smashed into an automobile. Norm was in the hospital for three months with one broken arm, one broken leg, and severed wrist tendons in the other arm.

Addie sold the "bike" to Howard Dvorak as is. Dvorak paid $100 for it and is spending another $100 for repairs. Dvorak has finally come to the conclusion that he was rooked with these words, "Even the pistons are upside down."

Here is the financial end of the story. Phil Rinck was waiting for the money for the car Costello bought from him. Costello was waiting for the final motorcycle payment from Addie. Addie was waiting for the $100 from Dvorak. Dvorak sold his coupe to his aunt to pay Addie for the motorcycle. The aunt did not want to pay for the coupe until she had moved, and she was waiting for the movers. This game of "money, money, who's got the money" went on for a month. Finally it was settled and everybody was happy; the movers came through!

There is a big garbage can in the back of the concrete lab in Chapin Hall. When the civil students mix up a bad batch of concrete, they throw the mix into this can. This can is now full to the brim with one solid chunk of concrete.

The mechanical engineers are wondering how John Volakakis, lab instructor, and his brilliant "civils" are going to move this 500 pound can of concrete, empty it and bring it back for another load. Volakakis says, "We did it before, and we can do it again."

"Goat of the Week"

The response to last week's phone number was, to say the least, very gratifying. Therefore, this unusual service will be continued.

This week's "Goat of the Week" is Don Arenson who spends all of his leisure hours in the company of one Lorraine Fortunato. This enchanting miss may be reached at Sheldrake 1783. Carry on, men!

Navy Notes

That patch on Nat Ratner's head is the result of scuffle with a bar of soap. This rough sodium salt rose from the bottom of the bathtub and slugged him, Ratner claims.

Semaphore drill proved to be on the damp side for John Dittmore and Joe Waldvogel at the corner A.C. (quarters 6). Both men are puzzled as to how they became drenched, soaked or otherwise slightly damp while the sun shone brightly in the sky overhead.

Jack Shepard has been taking a good deal of ribbing on the last date he had. In all fairness to Jack, he should be allowed to tell his own story about the walk to the streetcar.

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	1
SOPH MECHS #2	6	2
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

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 education 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.

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.

ASTP Commander

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

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.

Standings

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

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.

75 Piece Band To Play Here

The combined army, navy, and civilian bands will soon hold a public reheasal 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 reviews.

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.

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 instruments 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.

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. Griping 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!

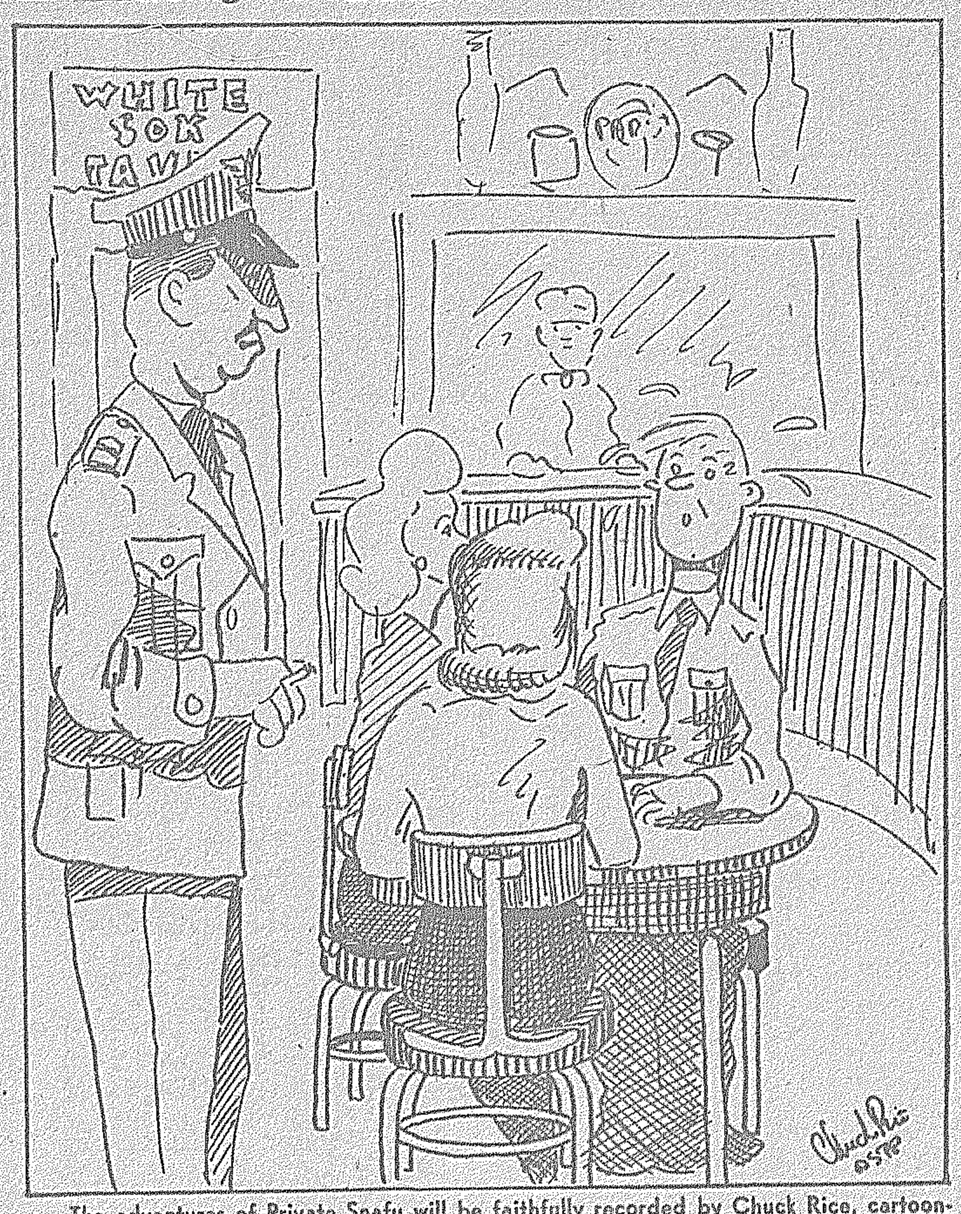
Danny "O'Mar" O'Connell and Chief John Shannon have been trimming Ensign George Martin and "Sonny" Weissman in a regular weekly tennis tournament of their own. This same foursome has been playing singles and it seems that the Chief isn't doing so well against his superior officer. Last week he lost a 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.

A S T P UNIT COMMENCES PHYS. ED. PROGRAM

Introducing . . . PRIVATE SNAFU



The adventures of Private Snafu will be faithfully recorded by Chuck Rice, cartoonist extraordinary. A cartoon will appear weekly in *Technology News*.

Something about the artist. Charles "Chuck" Rice hails from Worcester, Massachusetts. In high school Chuck worked as cartoonist on the school newspaper. He was a member of the track, basketball and swimming teams as well. He spends much of his spare time in drawing work. At the present time he will devote his energies to expressing a lively sense of humor in this feature cartoon "Private Snafu."

New Cadet Leaders Take Over; Offers Opportunity for Many

Following the Cadet policy of allowing every man to have a chance to act in an officers' position, new Cadet leaders for both Company A and B were recently appointed.

Succeeding Harold M. Tyler as Comp[illegible]nder of Co. B is Jacob Robbins, while Dominic Vastano became Company Commander for Co. A. Paul Bezeredi became Cadet 1st Sgt. of Co. A and Richard D. Callahan was retained as Cadet 1st Sgt. of Co. B.

The new Cadet Platoon Leaders for Co. B are as follows:

1st Plt.—Fred Dallas; 2nd Plt.—Erne Duhon; 3rd Plt. Joseph Piche; 4th Plt.—Austin Wirick

Co. A

1st Plt.—Charles Goldberg; 2nd Plt.—Howard Smith; 3rd Plt. Everett Reneer; 4th Plt.—Jack Martin

Cadet Platoon Sgts.

Co. A

1st Plt.—George Dolmas; 2nd Plt.—William Jordan; 3rd Plt. George Smith; 4th Plt.—William Wolfe

Co. B

1st Plt.—Silverster Johnson; 2nd Plt—Sterling Smith; 3rd Plt.—Francis Van Kirk; 4th Plt.—Henry Finnen

Cadet Section Leaders: Co. A

1st. Sec.—Frank Andrew; 2nd Sec.—Ralph Carley; 3rd Sec.—Don Gottschalk; 4th Sec.—Frank Gulin; 5th Sec.—Olaf Johnson; 6th Sec.—Martin Rauch; 7th Sec.—Phillip Sutton; 8th Sec.—John Armesto

Co. B

1st Sec.—Lonnie Beck; 2nd Sec.—Bruce Sullivan; 3rd Sec.—John Hauge; 4th Sec.—Stanely Feldman; 5th Sec.—Jack Rafferty; 6th Sec.—Dwaine Van Horn; 7th Sec.—Daniel McDermott; 8th Sec.—Neil Leach

Merit System Adopted by Unit; Trainees Allowed Daily Demerit

Soldiers of the A.S.T.P. unit on the IIT campus became subject to one more inducement to "soldiering" when a merit system went into effect last week. Everyone can readily realize the importance of a high standard of military discipline—how it influences the pride of both the serviceman and the public in general, and the time and resources saved by its efficiency. However, the factors that combine to compose this ideal situation are useless unless put into practice.

Demerits are the principal punishing factor involved in the new program, but a few of the more serious offenses may demand a court-martial or return to troops. Offenses are of three classes. The first deals with the major wrongs such as lying, stealing, cheating, drinking to excess, insubordination, extreme disorderly conduct, and gambling. Class two offenses, which are slightly less serious, but severely dealt with, include insubordination to Trainee Commanders, hazing, intentional absence from duty, failure to obey orders, destroying public or University property, intentional failure to report an observed delinquency, and disrespect to instructors. Offenses of class three are subdivided into five groups, depending upon the number of demerits they offer. Such minor offenses as tardiness, disorderly quarters, failure to salute, and neglected personal appearance are included in this category.

Each Trainee will be allowed a basic of one demerit per day, plus a bonus of ten demerits for the first week, and five for the second. When the total exceeds the demerit credit by ten, appropriate punishment will result. Any Trainee who feels that he has been unjustly dealt with may appeal in writing to the Commandment.

Six Hours Per Week Included

Important Role Played By Competitive Sports

"The ASTP unit stationed at IIT is going to maintain the physical standards set up for the army," said Captain Hudson at the start of the semester. Those men who were stationed in infantry divisions may have laughed when they heard these words, for the infantry is supposed to be one of the most rigorous of branches in the United States army. If one can take thirteen weeks of gruelling torture under a hot Texas sun, he can take anything in the service. How little did they realize then what lay in store for them in the future.

Not only must the men stationed here keep up their physical fitness, but they must also pass a series of strenuous tests set up by the War Department. Such tests as running 300 yards in 46 seconds, twenty-three push-ups, eight pull-ups, thirty-three burphees in twenty seconds, and carrying a man of equal size and weight one-hundred yards in twenty-three seconds are on the program.

The army student at IIT takes six hours of required physical training courses a week. Along with this, one usually gets at least twelve extra hours of exercise including marching to classes, dress parades on Saturday, and exercise on one's free time. During the exercise period, the

(See PHYS. ED. on page 6)

Negroes Present Flag to A.S.T.P.

Negroes living in the neighborhood of the IIT campus presented an American flag and flagpole to the 3666th A.S.T.P. Service Unit at a ceremony last Saturday afternoon. The project is the result of the determination of these people to express their desire for a lasting harmony between the citizens of the two races in this area.

Mr. Truman Gibson of the Supreme Life Insurance company made the presentation on behalf of the colored people. Grover B. Egger, who is in command of the Service Unit, accepted the gift. Captain E. E. Lamoreax represented the Sixth Service Command while Dean Linton E. Grinter represented the school.

Immediately following the dedication, the soldiers of the Unit presented their weekly parade. The entire program was presented in the area just north of the Armory where the soldiers live.

The interest shown by the Negroes in regard to the race problem was greatly appreciated by everybody involved, since this question has developed to major proportions in many parts of the nation.

'The Mail Must Go Through' Acts for Cpl. Feldman, Co. A

The old saying, "The mail must go through" was exemplified recently by a letter received by Cpl. Morris J. Feldman, now Acting First Sgt. of Co. A. Mailed on Dec. 28th, the letter had been all over North Africa and England, and was covered by forwarding addresses and post-marks. A note with the letter explained the curious incident. The Cpl. Morris J. Feldman, who had received the letter, had previously been stationed at the same camp and had lived in the same barracks as the Cpl. Morris J. Feldman for whom the letter was intended, before going overseas. Finally arriving at its destination, the letter had traveled over eight thousand miles and had taken eight months to complete its journey.

Intramural Basketball Invades Armory With Series of Games

All-Star Team to Be Formed to Play Navy and Civilian Teams; Section #1, Co. A Wins First Game

Starting Tuesday, August 17th, intramural basketball took the spotlight in the armory of the 3666th Service Unit. In a series of round-robin games to be played four nights a week for seven weeks, the tournament started with a bang Tuesday evening with Section No. 1 of Company A defeating section 2, 35-25. On the same evening, Company B provided a fast, free scoring game with Section 1 finally winning out 40-33.

The object of this tournament is to find the best players in the ASTP unit stationed at I.I.T. At the end of the round-robin playoff, a championship game will be held between the two winners from Company A and Company B. After the final game is concluded, the best players will be chosen from all the contenders and will constitute an all-star team of their own. The purpose of this team is to mop up on all opposition in sight. After a week or so of practice, the team will take on all challengers from the navy or other teams on the campus. After this, the firm desire is to play other schools which have ASTP units in the Sixth Service Command.

The games last Tuesday were, for the most part, slow and lagging up until the final periods. Then in a spurt of precision playing and tricky ball-hawking, the different sections showed the non-playing spectators some top performance basketball for amateurs. In the Company A game, Berlinsky was top performer for the winners with 15 points. Esson was high-pointer for the losers. On the other hand, in Company B it was Robbins who gained high point honors for the night by swishing in 24 points from all corners of the court. McDevitt played nice ball for the losers and scored 10 points, but there was too much team work against him.

Wednesday evening saw a tight game being played in Company A, with Section 4 coming from behind in the last period to win by a score of 18-16. Manderbach was high man for the winners with 6; Kain, for the losers with 6. This was the best game played so far in the tournament. At the same time, Section 3 trounced Section 4, 41-22. Parslow, of the winners, was high for the night with 13 points, closely followed by Botts and Snodgrass with 10 each. Holten played practically one-man ball on the losers' team. So far, this looks like the team to beat in the tournament.

INDIVIDUAL SCORE BOX
Tuesday, August 17

Section 1	Pos	Fg	Ft	P	TP	Section 2	Pos	Fg	Ft	P	TP
Berlinsky	f	7	1	1	15	Digregorio	f	1	0	0	2
Carter	f	4	0	0	8	Cootzona	f	0	0	1	0
Cattaneo	f	1	1	0	3	Gaiffe	f	2	0	3	4
Benkoff	c	1	0	0	2	Esson	f	3	0	0	6
Collins	c	1	0	0	2	Dolmas	c	2	0	0	4
Atcher	g	1	0	0	2	Coy	c	2	0	1	4
Christner	g	0	0	1	0	Gehring	g	0	1	2	1
Brown	g	1	1	1	3	Glynn	g	0	0	1	0
						Farley	g	1	0	0	2
						Devoe	g	1	0	0	2
Totals		16	3	3	35	Totals		12	1	8	25

The schedule for next week has been announced by Pvt. Stauffer who is running the tournament.

Company A and B:

August 23 Section 1 vs. Section 3
24 Section 2 vs. Section 4
25 Section 5 vs. Section 7
26 Section 6 vs. Section 8

"Bugle Notes"

by "Blitz" Craig

Considerable concern has been raised throughout the armory concerning the Army page in the Technology News. It is the intent of the writers of this page to bring the news each month that will be of interest to all of the soldiers and also the Civilians. If at any time there are any suggestions that any of the soldiers wish to make concerning this page they are privileged and urged to get in touch with any of the writers. It is our wish that you be satisfied.

Approximately three hundred girls from the various service centers will come as guests for the dance. At the present, it is the plan that anyone wishing to bring an outsider is free to do so.

Since school started for the soldiers on August 9, the consumption of Good Humor ice cream bars and chocolate milk has been running high. The representative of the Bowman dairy has been selling on the average of 2,000 half pints of milk per week on a six day basis. The sales of ice cream bars also runs into the thousands but there is no way to make a fair estimate of the consumption of the bars due to the fact that the sales vary from day to day. The cool refreshments hit the spot with the soldier after a hard day at the books.

Finally, after days of toil and strife things are beginning to run smoothly in the armory. When the soldiers first arrived at their present home, the outlook was not too bright. There wasn't enough foresight throughout the ranks to look into the future to see the possibilities of their present home. After several weeks of cooperation with higher authorities and work among themselves the soldiers have managed things so there is a greater amount of unity.

The main problems arising at the present time are the lack of study lamps, lack of sufficient Kai Kis for dress wear and the lack of drinking fountains. The solving of these problems is in the offing. New study lamps and Kai Kis have been ordered and will arrive soon. The fountain may have to go as it is for the present.

Many of the soldiers of both companies have expressed their appreciation of the fact that the officers of this unit made it possible for them to attend three ball games at Comiskey park. Gratitude also goes to the management of the White Sox club for having them as their guests.

Though music doesn't usually play an important part in the average soldier's military career, considerable interest has developed throughout the ranks of this unit. A military band has been playing at the regular Saturday parades and a dance band has been practicing twice weekly since the unit was organized. The latest development in the music realm was the invitation extended to the soldiers to join the glee club which meets Thursdays, at 5:30 p.m.

Despite the fact that in weeks gone by a limited number of week-end passes were issued, it is the plan of the Administrative branch of the unit to issue an unlimited amount of week end passes, subject to regulations, during the future. All members of the unit will have to "keep on the ball" and keep soldiering in order to preserve these rights. The merit system is well worth following if it leads to more liberties.

Science Group Forms Society

First Organization of Kind on South Campus

"Engineers at IIT had better look to their laurels," IIT science majors announced following a meeting for unifying the group last Friday.

At that time, 25 students who are majoring in either physics, chemistry, or math, formed an organization which is in one way unique in Armour's history.

These students laid plans for a group which will enable science students to participate in many school activities from which they are now excluded.

The meeting was called to order by Dr. E. J. Bicek, instructor of chemistry. Dr. Bicek; Dr. E. F. Cleveland, professor of physics; and Dr. M. H. Heins, professor of mathematics, will act as faculty advisors for the organization.

Burton Fried, junior physicist, and John Sachs, sophomore physics major, were elected temporary chairman and secretary, respectively.

Curricula in science has been offered at the Armour campus only during the three years since the formation of IIT. Consequently, the matter of representation for science students never arose, since there were no more than a handful.

However, enrollment in these three departments has been growing at a rapid rate. A definite problem now exists since many of the campus activities are organized on a departmental basis, with no representation for the scientists. How to best remedy this situation will be one of the concerns of the new group.

● AS I SEE IT

(Continued from Page 1)

puzzled over some of the intricacies of calc, so the avowed purpose of the class was discarded before the ink could dry. The tutors couldn't turn their first customer away.

These classes are conducted every Wednesday afternoon by Earl Mills, Milt Burkhart, and Ray Smith in the Technology News offices and the only requirement is a willingness to learn.

The fellows will be there, so if you can use the assistance, all it takes is the energy to climb to the fourth floor of Chapin.

BOB SILBERSTORF, senior mech, holds the IIT record of blood donations to our knowledge. To date Bob has been a donor six times, but will not be able to gain his seventh in the current drive as the required period hasn't elapsed as yet.

● CIVILIANS TO GET

(Continued from Page 1)

At the present time, three hours are devoted to feeding the navy students. The cafeteria opens to the regular students at 9 a.m.

The ITSA created a committee last week to determine whether any method could be devised to allow civilians the use of the cafeteria during the entire day and to improve the conditions of the rooms. The committee, composed of Ray Tubergen, Ronald Lind, and Harold Burkart, are awaiting the outcome of the first week's trial of serving both the navy and civilians before taking any action, said Tubergen.

● SOUND RECORDER

(Continued from Page 1)

to withstand the jars and shocks of tanks and other military vehicles. At present the recorder is being manufactured by the Research Foundation because no facilities were available when the armed forces requested a number of the machines. It is expected that the General Electric Company will complete tooling up for mass production of the recorder by next year. The entire output, however, will continue to be used to fulfill military requirements until the war is over.

Teacher: "I only wish I could be your mother for a week. I'd teach you some manners."

Pupil: "O.K. I'll take it up with my father. I think he'd enjoy it too."

V V V

He offered her a fur muff for a kiss and a fur scarf for a hug, when she exclaimed, "That's fur enough."

V V V

Priest: "Come and join me in a pork barbecue."
Rabbi: "I'm sorry but I don't eat pork."
Priest: "You must try it: it's really worth while."
Rabbi: "Give my regards to your wife."
Priest: "But I'm not married."
Rabbi: "You must try it; it's really worth while."

V V V

Hotel Guest: "Set the alarm clock for two."
Night Clerk: "You and who else?"

V V V

In a heated political argument over President Roosevelt's policies, one exclaimed: "The President must be guided by a power much higher than himself."

"I don't like her either," remarked his friend.

V V V

An ermine wrap will keep your girl from giving you the cold shoulder."

V V V

Tom: "I had a date with a mind reader last night."
John: "Really. Well, did you have any fun?"
Tom: "No, she just sat around all evening and blushed."

V V V

"Com-pa-nee atten-shun!" bawled the drill sergeant to the awkward squad. "Com-pa-nee, lift your left leg and hold it straight in front of you."

By mistake one soldier held up his right leg, which brought it side by side with his neighbor's left leg.

"And who is the galoot over there, holding up both legs?" shouted the sergeant.

"I'd rather kiss another woman's husband than smoke a cigarette," exclaimed the female anti-smoking crusader.

"Who wouldn't?" chorused the audience.

V V V

Customer: "You sold it to me as a wool suit and here it has a cotton label."

Sammy: "Don't be a child. Dot label is only to fool the moths."

V V V

I asked her how much her stockings cost and she said indignantly, "You can't touch them for any amount of money."

V V V

Two soldiers in a dugout back of the front lines scratching like hell.

1st Soldier: "How do you like Army life?"

2nd Soldier: "There's something about this Army life that tickles me!"

V V V

Geo: "With a lovey dovey like you for a wife, I'd stay home every night."

Katie: "You certainly would or get your neck broken!"

V V V

Tom: "Why don't you like the way your girl puts on her lipstick?"

Frank: "Because she puts it on everybody else's lips but mine."

V V V

Just because her old man works in a laundry she sure knows how to take a fellow to the cleaners!

V V V

Girl: "He is a damned skunk?"
Mother: "Where did you learn that expresison?"
Girl: "Shakespeare uses it."
Mother: "Then you better stop running around with him."

Biss (Snuffy) Smith

Kepner Plans For Fall Term

That the administration may determine supply and demand of classes for the winter term, preliminary enrollment blanks were distributed to the student body today by the office of the registrar.

"The enrollment blanks on which civilian and Navy V-12 students will list their proposed schedule for next term," says Dr. Charles W. Kepner, registrar, "will make a 'smooth' registration possible.

"If we know what the enrollment will be for the various departments and classes, it will be possible for us to set-up an adequate schedule and to add instructors to departments where loads are heavy."

A preliminary check on the number of students who plan to attend the second term of the Round-the-Calendar schedule, the questionnaire will be filled out by students throughout the classes today.

The blanks will be returned to the professors from whom they were secured. Students who do not receive the questionnaire may secure it from the office of the registrar.

The plan, which is an innovation in registration procedure at Illinois Tech, is expected, according to the administration, to "iron out" difficulties which might occur at registration time.

"The course of study as outlined by the student on the preliminary enrollment blank will not obligate the student in any way," Kepner stated.

Juniors to Decide Picnic Problems

The question of whether the junior class picnic will be a stag or a date affair will be put before the junior class at their first meeting, Friday, at 10:30 in room 202 M, Harold Bunkhart, class president, announced today.

The date of the picnic will be announced at the class meeting.

Freshmen Challenge Sophomore Class To Athletic 'War'

The freshman class, at a meeting held last Friday, resolved to challenge the sophomores to "field day" and thereby perpetuate the annual class "war."

However the class "war" of 1943 is to be considerably changed from those in the past. With the advice of Bernard "Sonny" Weisman, who told the group that the administration would not tolerate any violence, the class decided to make this year's "war" an athletic contest in the fields of running, high jumping, etc., to determine which class is made up of superior men. The freshman team will be under the direction or Allen Dimoff and Cameron Wren.

The date, according to Charles LaMantia, president of the freshmen, will be decided later.

The freshmen also voted to wear the traditional green caps again this year. However, Mr. Weissman warned the group that any attempts to enforce this tradition would lead to severe steps by the school administration.

A social committee, to be under the direction of Matt Gilberto, was chosen, and a motion to charge one dollar dues per semester was passed. Dues will be payable to the Secretary-Treasurer, Bettyann Detterbeck, in the student lounge between 1:30 and 2:20 on every day except Tuesday.

Blood Donors, Notice . .

To insure clear plasma you must avoid all fats or fatty foods for 4 hours before reporting. This includes milk, cream, cheese, meats, ice cream, butter, peanut butter, fried food, mayonnaise, salad oil, eggs, nuts.

It is recommended that you have a light meal of fat-free food made up of toast (no butter) with jelly, coffee or tea without cream, crackers and fruits.

Co-Op Class Divides Funds

At a meeting held Wednesday afternoon, representatives from various Co-op classes decided upon the disposition of the money remaining in the treasury. It was decided that as the former freshman Co-ops, now considered as the 2A and 2B classes, contributed only a few times they should not receive a share since they had received benefits from the functions held by the Co-operative Student Association. The remaining classes received shares of the $446.93 remaining in the treasury as follows:

5B and 4A classes	$171.93
4B class	165.00
3A class	80.00
3B class	30.00

Representing their respective classes at the meeting were Fred Sternberg, 5B; Jim Carroll, 4A; Lou Wengel, 4B; Edward Puchalski, 3A; and Chester Monson, 2B.

The disposal of the funds is a problem to be assumed by each class although it is believed the present seniors graduating in October and February will hold closed dinners with their share, thus abiding by the association's constitution.

Sophomores to See Army Pictures Fri.

The second meeting of the Sophomore class will be held on Friday, August 27, in 305M.

The highlight of the meeting at 10:30 a.m. will be the presentation of a motion picture produced by the army.

President Tom Ruck announced that the various committee reports will be presented to the student body at this meeting. He further stated that this news is of great importance to the sophomores and urges all to attend.

Ruck wishes to remind the navy men that they are part of the class and he would like to see a large turnout of navy men.

Senior Jewelry Orders Open

Deposits, Fittings Can Be Made on Thursday

Orders will now be taken on jewelry for the senior class graduating in February. This was made known by the senior ring committee with the announcement that a representative from Spies Co. will be here to take orders for jewelry.

Orders may be placed on Thursday from 12:30 to 3:30 p.m. Fittings will be made at this time. A two dollar deposit must be made with each jewelry order.

The committee urges that everyone order their jewelry early since it takes from three to four months before shipments can be made.

The prices for the rings are as follows: Rings—red or blue onyx, $11.50; all gold initial, $13.00; small ring, $9.00.

Keys—$7.00, with stone $7.75. The choice of stones are ruby, blue spinet, emerald, or white sapphire. The keys may be obtained in either of two finishes, rose or antique.

Electrical Honorary Pledges Eight Men

Three seniors, four juniors, and a graduate instructor were pledged to Eta Kappa Nu at the AIEE meeting last Friday. The pledges were welcomed into the honorary fraternity by Gerald Landsman, the vice-president.

The seniors are electricals Kenneth Black, Peter Fritsch and Henry Voss.

Juniors, Leonard Chase, Robert Reek, Alfred Roberts, Elston Swanson were pledged to the fraternity.

Graduate instructor Henry McGreer was also honored. McGreer was chosen because of his cooperation with the undergraduates, his fine work, and his good humor, stated Landsman at the meeting.

Eta Kappa Nu, the honorary electrical engineering fraternity, fosters "closer cooperation among the students and others in the profession who by their attainments in college or in practice manifest exceptional interest and marked ability."

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students start off by doing two laps around a quarter-mile track. This is followed by twenty or thirty minutes of hard calisthenics. Finally the men are grouped with two sections going swimming while the others play an hour of softball or football.

Competitive sports form the background of leadership and mutual agreement among team mates. For this reason such sports as softball, football and basketball have been strongly emphasized. At present a round-robin basketball tournament is being played between sections in both companies during the boys' own time.

The soldiers show plenty of spirit and zest in their play after a hard day's work in classes. After the basketball season is over, an intramural football program will begin.

Tech Time Table

Monday, August 23
5:30—Junior Class Officers—East Dining Room
Tuesday, August 24
5:30 p.m.—Orchestra—Auditorium
Wednesday, August 25
5:30 p.m.—ASSC—East Dining Room
Thursday, August 26
5:30 p.m.—Glee Club—Auditorium
Friday, August 27
1:30 a.m.—Senior Class—400P
Junior Class—202M
Sophomore Class—305M
Monday, August 30
7:00 p.m.—Theta Xi Smoker—Lounge