

## Election runoffs set for Friday, October 30

### Plans for four year co-op course completed

Plans for streamlining of the Co-op engineering course from five to four years are practically complete, according to Mr. L. J. Lease, industrial coordinator. Definite decisions on the Co-ops schedules await clarification by the government manpower needs.

Co-ops are advised by Mr. Lease to wait until their draft status is cleared up before making any important changes in their plans. Mr. Lease says that the position of most freshmen and sophomores is not definite until the government announces regulations governing the drafting of 18 and 19 year olds.

Present plans call for the graduation of seniors in February, 1943; while juniors will get their degrees in May, 1942, for the A group, and September, 1943, for the B group. Pre-juniors graduate in 1944

Pre-juniors, or third year men, A group, will finish in February, 1944, and the B group in June, 1944. Members of the present freshman and sophomore classes will graduate together in June, 1945, for the A division, and in September of that year for the B section.

In the event that another cut must be made in the number of years spent in school, new schedules will be drawn up.

Seven 16 week periods, 112 school weeks, have been allowed for completion of work for a B.S. degree. The first four of these periods are stretched over three years, during which time Co-ops will alternate work with school in the usual manner. The last three terms, however, will be completed in one year, necessitating attendance at school for twelve months without interruption.

This streamlining or shortening of the Co-op course has been made possible by intensification of the subjects offered to the student. For example, under the old plan a student was able to get a maximum of 29 semester hours in his first year at school. Now, under new schedules, credit for 36 semester hours may be gained in the freshman year.

### • Tech timetable •

Tuesday, October 27

5:00 p.m.—Pi Tau Sigma in the Faculty Grill.

5:00 p.m.—Managing Board in the Tech News room.

Wednesday, October 28

5:00 p.m.—Frosh Co-ops in Room 202 Main.

Friday, October 30

10:00 a.m.—Society meetings:

Asme in 305 Main

AIEE in P 2W

FPES in 405 Main

AiChE in 202 Main with

PLU Pledging

Saturday, October 31

8:00 p.m.—Pi Tau Sigma in the Student Union

Monday, November 2

5:30 p.m.—Tau Beta Pi in the Faculty Grill.

### Bartusek to fill Walter's shoes



Florence Bartusek steps into the shoes vacated by Gordon E. Walter. "Bucky" held the job of Lewis Managing Editor on the TECHNOLOGY NEWS but because of the draft situation he enlisted in the Signal Corps Pre-Radar school. Even though Bucky has not been a regularly enrolled student of IIT this semester he has spent long days and nights for TECHNOLOGY NEWS and the staff will miss his services. Florence Bartusek, former Lewis Rewrite Editor was chosen by the Managing Board to step into Bucky's place. Florence is active on the year book as well as the paper and has adequate journalistic background for the job.

### Draftee Lund bids farewell

A super A-1 salesman for Illinois Institute has now become a I-A man for the army. Gordon C. Lund, until last week the assistant director of the Illinois Tech News Bureau, reported to his draft board in Fremont, Nebraska, early last Friday morning.

Lund had been at Illinois Tech only since April 1, but he knows all the vital details of the Armour Research Foundation and the Institute of Gas Technology. In addition he has covered the whole war picture at the Institute, including our huge ESMWT program, the 6th Service Command Signal Corps school at the west campus, and the "nation's first" technical war courses for women. All in all, Lund averaged about 60 stories a month, or enough to fill an issue of TECHNOLOGY NEWS every week since he's been here.

Gordon Lund was definitely not a clock watcher, giving all his energies to publicizing Illinois Institute of Technology. It was typical of him to stay to the last minute last Thursday before flying back to Nebraska.

### Dr. McNamara test enlistees

One of the persons at Armour who has been feeling the effect of the enlisted reserve program is Dr. J. F. McNamara, the school's medical advisor. Dr. McNamara is in the employ of the United States Army, and it is his job to determine whether or not the applicants for the enlisted reserve program are physically fit.

This job has been taking about 12 hours per week; but due to the increasing number of students attempting to enlist, the doctor feels that he will have to devote even more time to the job.

The main cause for failing the examination has been poor vision. It should be made clear that students whose vision will not enable them to go into the Air Corps may be able to get into (1) the Medical Administrative Corps (2) the Quartermaster Corps (3) the Finance department (4) the Ordnance department (5) the Chemical Warfare department (6) the Adjutant General's department or (7) the Army Air Force Administrative Installations.

### ITSA approves budget

The budgeting of the student activities fund was the main topic taken up at the ITSA meeting last Monday, October 19. Coaches' salary was referred to a committee headed by Professor John Schommer; the rest of the budget was approved. There was no track appropriation while a new sport, hockey, received its first fund. The musical clubs received several hundred dollars above last year's expense, the rest of the items were substantially the same as last year.

Medals were ordered for the winning Senior Mech baseball team.

### Sam Campbell on WSE show

Acclaimed by the entire assemblage of students as one of the most entertaining, and interesting lectures they have yet heard, Sam Campbell's visit to the Armour campus brought in its wake an aura of the outdoors. The assembly at 10:00 a.m. Friday, Oct. 22, in the auditorium of the Student Union was one of the regular Friday morning meetings at which various school problems are taken up.

Mr. Campbell is a noted naturalist, traveler, and lecturer and is employed regularly by the Chicago and Northwestern Railways as a novel advertiser of their tours. His lecture and movies at the south campus last week, was sponsored by the Western Society of Engineers. Appearance attracts crowd

Upon making his entrance onto the stage, Mr. Campbell, attired simply in outdoor clothes, faced an audience which was crowded on the main floor and overflowing the balcony. Accustomed as we have become to the mundane dress of professors, etc., it was sufficient only to look upon this stocky, ruddy-faced exponent of Nature's charms, to seemingly, feel and smell the pungency and freshness of the northern woods.

In his initial address, Sam Campbell immediately captured the listener's attention with simple words describing the grandeur of the outdoors. In a clear voice and in words rapidly spoken, he explained his objects and principles in his contacts with the flora and fauna of Nature. Nature affords respite

"In this day," he said, "the average man is bombarded with the facts of the war, discussions upon the narrowness, hatreds and antagonisms of man's relations to his fellow-man and other nerve-wracking exhortations. It is then of utmost benefit to leave this chaotic world to trod, even in fancy, the trails of the forest and recognize the immensity of Nature's works and the punity of man. When leaving the last outpost, one has the feeling of 'returning home' to become as one with the other creatures of the forest. Nature cannot be bluffed; man is stripped of his foibles."

Moving pictures depicting scenes of the forests, and its animal life were shown accompanied by the constant explanatory comments of Mr. Campbell. During the feature of numerous close-up shots, Mr. Campbell explained that "Wild Life" is only such as a result of injustices inflicted by man. "Wild Life" is a misnomer inasmuch as animals are trusting and "natural" in their conduct.

In closing, Mr. Campbell stressed the need for "keeping alive faith in the goodness of Nature"; this being basic philosophy.

### Little student interest shown in class polls

Less than half of the offices in the junior, sophomore, and freshman classes were filled in the election of class officers held in the Student Union Building last Friday, under the direction of the ITSA. The remaining officers will be elected in a runoff election to be held Friday, Oct. 30.

Of the five offices in the Junior Class, the results of only three were decided in Friday's election. Those were the offices of secretary, Student Union Board representative, and social chairman, which were taken by Nat Ratner and Michel Coccia, who defeated William Nash and Bruce Worcester respectively. Cliff Oliver was elected Student Union Board representative, with no competitors.

This leaves the offices of president, vice-president, and treasurer to be decided. Ralph Arboe and Byron Round will still be the only competitors for the office of president, while Timothy O'Leary and Harry Gillespie will be in the runoff for vice-president, having eliminated John Pottenger.

Irvin Sloan and Donald McMillan will be in the runoff for treasurer, after the elimination of Trevor Miner and Julius DeVos.

### Frosh choose proxy

In the Sophomore Class, 174 ballots were cast, with Peter Minwegan elected, without competition, to the office of president. John Twomey defeated Carrol Wood for the office of vice-president by 44 votes. Perry Anderson is social chairman, after defeating Irwin Pachter and Richard Michalek. The ITSA representative for the coming year will be Warren Furst, who defeated Llewellyn Rowe and Morton Paul. John Reed took the office of Student Union Board representative with no competitors.

Two hundred and thirty-nine freshmen voted in Friday's election.

Tom Kilgariff and Wilson McDermut will be in the runoff for president, after eliminating Walter Grengg, Frank Mungo, and Richard Wagner. William Pottenger and Bob De Boo will oppose each other for the office of vice-president in the runoff after defeating Edward Rabin and Herb Gefvert.

### Shirley Sexson out

Donald Arenson and Scott Burr will oppose each other in the runoff for secretary. Shirley Sexson, Illinois Tech's sole feminine engineering student was eliminated from the race. The office of treasurer went to Donald Miller, who defeated Morris Shapiro by 81 votes, thus being the sole freshman officer elected in Friday's election.

Herb Winter and Jack Donovan will compete for the office of social chairman, after eliminating Harry Peysey.

Isaiah Share was eliminated from the race for ITSA representative (see ELECTIONS page 3)



## Honorable?—

Two issues ago, a student wrote a letter to the editors wanting to know if the students were morons. All of the editors answer no, the students are not but some of them show it.

In the field of business, when a man says something he sticks by his word. So it is, when you have signed the Honor System petition, you said you believed in it. Now, fifteen to twenty people come along and say, we have changed our minds and scratch their names off, leaving the petition looking like a chicken had run across the sheet.

John Schommer likes to tell the story of how he went around with a petition nominating a dead horse for President. He claims he got some twenty-five signatures before anyone read the petition. Are these the kind of people that are changing their minds?

All of us are supposed to be the best educated people in the world and we are supposed to run this country twenty years from now. We can not do it if people are afraid to stand by their convictions. If people at IIT are so weak kneed that they cross out their names with big blotches of ink so that no one can possibly read it, then how can we accomplish anything.

Heaven knows, people change their minds but have the courage to stand by their change of mind. Go to Roy Peterson, Ken Jacobs, Bernard Chertow, Sophocles Dokos, or Don Keigher if you want your name removed from the petition. When you blotch your name out, it is only a blotch on you and on the school. Anyone can sneak up and cross their name off when no one is looking, but it takes a man to stand by his change of mind. The original Honor Board is very interested in the defects of the system. If you find reasons for not adopting the system then they would be glad to know so that the difficulties may be remedied. The Board consists of the above mentioned people.

If the system does not come through, then the faculty will resort to the old rules of the school. This reads, the first offense in cheating requires the prof to flunk the offender in that course and a second offense requires that the offender be dismissed from school.

This cheating is expensive. There are at least three boys who won't make their respective honoraries because of this. All these could have made them if they had not gotten the reputation for being dishonest. Seniors are flunking necessary subjects for graduation because of cheating.

Cheating has ceased to be a joke. It is your neck and you hold your own axes. Protect yourself.

The Honor system will not be adopted until 1100 people sign the petition. Until that time the old school rules hold. The system is NOT a Gestapo. It is founded for your own protection and if you don't want it, that is your business and no one is going to push it down your throat.

—Morgan Fitch.

## Letters to the Editor

Dear Sir:

We come here to spend the four years of our college lives. In this period we make the friendships and acquaintanceships which will probably be the ones we will hold for the rest of our professional lives. How can we feel a sense of comradeship, a mutual faith and trust in our classmates if we must feel that our every neighbor is a potential spy for an "Honor System" which guilds Gestapo methods, simple spying and tale-bearing, with the cloak of "honor". We can't! We want to deal openly and manfully—we have been nurtured all our lives of the principle of clean sportsmanship and above board, open-handed conduct. Ask any man on campus today this question: "If you saw a man cheating, would you turn him in?" Let each man ask himself the question. The answer is obvious. The system must fail of its own dishonor—the price will be disunity and distrust in our ranks. THIS WE CANNOT AFFORD!

Some far-sighted men who signed the petition have recognized their mistakes, and have had the courage to right it—witness the many names which have been voluntarily removed from that petition. Others must and will follow suit.

Honor, but only true honor, can mark here. But to do so it must be from the hearts of the stu-

dent body, not the minds of a well-intentioned, but small and certainly unrepresentative group.

This is a question which directly influences the academic life of every Tech student, present and future. We are all entitled to a voice in our student government. We cannot be expected to arrive at an intelligent conclusion concerning so important a matter as this in a single meeting, at which the plan is presented, and we are asked to vote yes or no immediately on its acceptance. Student opinion demands its voice. This means an open meeting, two or three if necessary, conducted according to parliamentary rules of order, in which arguments pro and con can be presented. Only after everyone interested has had an opportunity to speak or listen fully, and a popular vote has been taken and fairly counted, can it be expected that we shall accept any system, be it wise or unwise in the minds of its framers. Otherwise the student body will feel that the proposal has been railroaded thru—that the desires of a few have been forced upon the many. Then this system will fail as miserably as failed the "Honor System" which existed here years ago. We demand the right to discuss this in body. WE CALL FOR SUCH AN OPEN MEETING!

JIM GITTELSON

## There's been some changes

The library of the Illinois Institute of Technology has seen a lot of changes in the last few months. Every new student should visit the improved, better equipped libraries at both Lewis and Armour. These two libraries are now functioning as one unit in order to give the best possible service to the students.

Under gentle insistence, the Lewis Library has been undergoing some remodeling. Since the Army Signal Corps took over the Southwest Room it was necessary to move and restack some 6000 volumes. Something good has become of it, however, since one hundred new chairs have been added which ought to aid to the comfort and convenience of the students.

The Armour Library has been the recipient of a most unusual gift from a former student, who wishes to remain anonymous. While receiving his education at Armour, he worked as an assistant in the library. As a mark of appreciation of the value the library training has been to him since graduation, he is pledging one per cent of his salary each year for the purchase of some item in the library. The Armour Library is most grateful for the feeling that prompted him to do this, and would gladly welcome any more contributions in the same line.

Some older students might remember Miss Helen Curtis Rudd who was a member of the Armour Library staff some years ago. She is now doing temporary work in the library and can only comment that it has grown in leaps and bounds since she has been there.

In the past two months the library has received a large supply of new books of the latest issues. These new books cover the fields of Science, Literature, and Current Best Sellers. The list of titles is too long to publish in its entirety. Among the Current Best Sellers in the library are Mission to Moscow, Moon is Down, Berlin Diary, and Ivory Mischief. Any student interested in the complete list can see Miss Steele for further information.

The libraries of IIT are doing their best to keep the student body satisfied; so visit your respective library more often and take advantage of its usefulness!

Due to the fact that there will be countless questions arising in all of your minds, the TECHNOLOGY NEWS is opening a question box. Hand in your questions to any member of the News staff or place the questions in the TECHNOLOGY NEWS boxes around school. You may ask questions on any topic around school. If it is a draft question, we will ask John Schommer, if it is a question on the reserves, we will ask Dean Peebles, if it is a question on sports, we will ask Sonny Weissman, or we will find some authority in the field which your question concerns. We do this to relieve the offices of the many men on the faculty and administration.

SHOOT YOUR QUESTIONS TO US—we will find an answer some how.

THE UNITED STATES GOVERNMENT REQUIRES that all freshmen in college be enrolled in physical education classes and that all members of the Army Air Corps Reserve and Navy Reserve programs also be enrolled in physical education.

### Enlisted Reserve Gymnasium Classes:

These classes meet in the Armour gymnasium—5th floor Main Building. Select 5 hours from this schedule.

Monday 8-12 a.m. 2-3 p.m.  
 Tuesday 8-12 a.m. 2-3 p.m.  
 Wednesday 8-12 a.m. 2-3 p.m.

Thursday 8-12 a.m. 2-3 p.m.  
 Friday 8-12 a.m. 2-3 p.m.

### Freshman Gymnasium Classes:

Freshman gymnasium classes meet in the Armory from 4-6 on Monday through Thursday.

All classes register 5th floor gymnasium. Classes start Monday, October 26, 1942.

### IMPORTANT TO ALL STUDENTS:

Locks must be taken off lockers in the locker room, 5th floor gymnasium immediately. Lockers must be assigned by either "Sonny" Weissman or Grant N. Stenger.

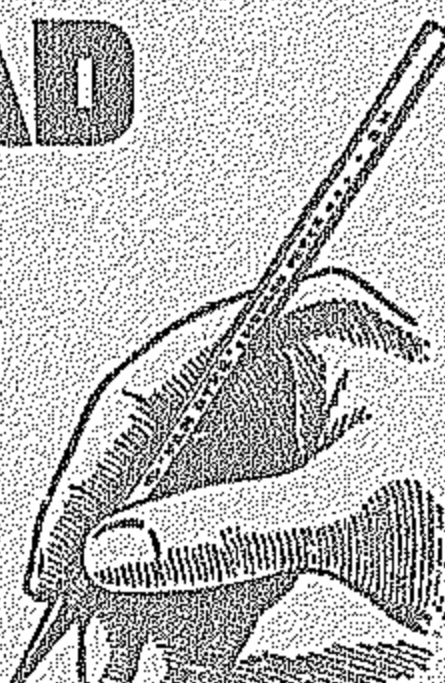
## ITSA BUDGET

Item	1942-43 BUDGET		
Income			
Student activity fees.....	\$32,000		
Total .....	\$32,000		
Expenses			
Baseball .....	\$ 1,500	Fencing .....	25
Basketball .....	1,450	General Expenses.....	1,500
Board of Publications		Golf .....	400
Tech News .....	4,900	Intramurals .....	750
Integral .....	6,200	Musical Clubs.....	1,100
Engineer and Alumnus..	3,500	Rifle Club.....	100
Boxing and Wrestling.....	700	Swimming .....	650
Coaches' Salaries .....	—	Tennis .....	650
		Blankets .....	200
		Equipment .....	1,500
		Hockey .....	175
		Total Expense.....	\$25,915

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## Armed forces talk at Lewis

At 10:00 a.m., Wednesday, October 21, the students at the west side campus met in the auditorium to listen to the representatives of Navy, Marines, and Army who came here to introduce the purpose of reserve troops education.

Dean Clarke introduced the Chairman of the Committee, Lt. Jay Berwanger of the Navy Air Corps. Lt. Charles J. Freedman of the Army Air Corps was the first speaker. He outlined the danger in this branch of U.S. Army. "It is not only necessary to get young men now, but also to have cadets after the war", were his words. He pointed out that perfect physical condition is one of the most important requirements for the Army Air Corps.

Similar physical qualifications are required for the Navy Reserve Corps, which were explained by Lt. Jonathan L. Nelson. In the Navy Reserve program there are two classes, V-1 open to freshmen and sophomores, who had physics and trigonometry, and V-7 open to juniors and seniors having completed one year of college mathematics, including trigonometry. Pre-medical and pre-dental students are classified into the V-1 group. After three months' training in the Midshipmen school, one is eligible for the commission.

Lt. John L. Reed, representative of the U.S. Marine Corps stressed the physical fitness and the necessity of college education for one who wants to enlist in U.S. Marine Reserve Corps.

U.S. Army Corps was represented by Captain Charles Bellis who explained how the Reserve program came into effect. After the attack on Pearl Harbor many educational institutions contacted Washington inquiring how could they help in the war plan for young men. When the Reserve was organized, a Committee of Marine, Navy, and Army was appointed to go to colleges and universities to explain the Reserve program. Captain Bellis then pointed out the opportunities for a man in the Army.

## Government loans available at IIT

\$5,000,000 has been provided by Congress for loans to students in technical fields. The students eligible for this aid are those taking part in accelerated programs in engineering, and the sciences, which can be completed within two years.

The loans are to be made directly by the school which the student is attending. The funds will have been paid to the schools on a basis of estimates presented to the War Manpower commission, which is administering the appropriation. The loans are to be made for "amounts not exceeding tuition and fees plus \$25 per month and not exceeding a total of \$500 to any student" during a 12-month period.

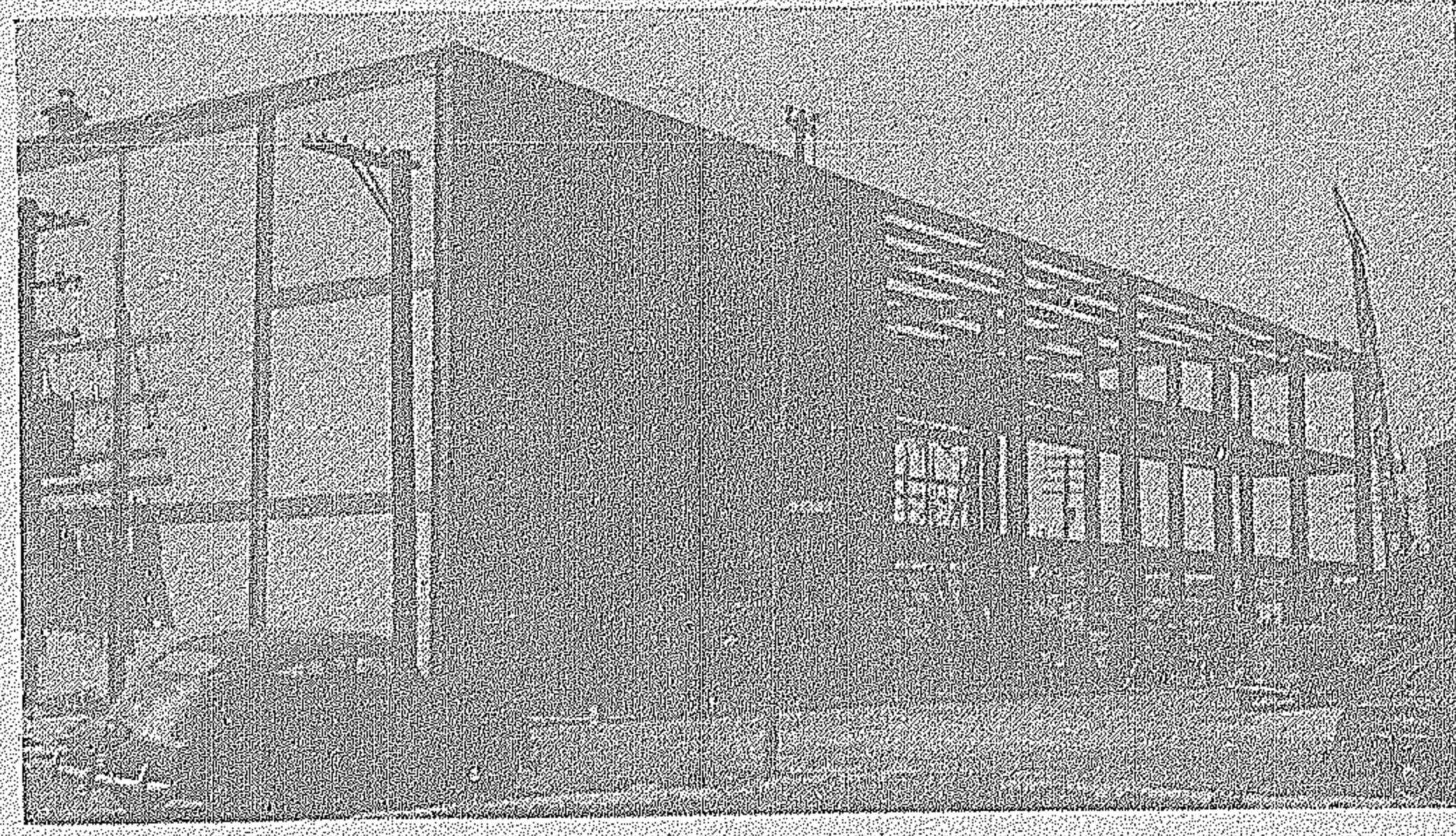
The students receiving aid under this plan must execute notes payable to the Treasurer of the United States at an interest rate of 2 1/2 percent per year. They must agree to participate in the accelerated technical courses and to engage in such employment, as is designated by the War Manpower commission, for the duration. Satisfactory standards of scholarship must be maintained.

Participation in the war-loans program does not exempt the student from selective service. However, the indebtedness of those who are inducted into military service before completing their course is canceled. Otherwise, repayment is to be made through the school which made the loan.

This program will be of great aid to the student at Illinois Tech whose courses have been speeded up. The maximum loan will not cover all the expenses of a three-semester, 48 week program which amounts to about \$546 for tuition and fees. However, the money available will certainly be most welcome to the majority of Illinois Tech's upper-classmen.

Lt. Berwanger of the Navy Aviation Corps concluded the lecture explaining the opportunities and qualifications necessary for the Navy Air Corps.

# Metals building in construction



When "Joe Technology" turns his study-weary eyes in the direction of the southwest corner of the south campus he is witnessing the partly completed first unit of the new IIT—the Metals Research Building.

Constructed at a cost of \$250,000 including equipment, the structure will house both the metals and mineral technology divisions of the Armour Research Foundation. The first few bays have been occupied and in use since the first of June. The five remaining bays will be completed by the first of the year.

Ludwig Mies van der Rohe, professor of architecture and director of the architectural curriculum at Illinois Institute of Technology, designed the modern and elegant unit. Professor Van der Rohe received his training at the world famous German school of architecture, the Gewerbeschule, Kunstgewerbe Museum, Berlin. He is a leader in the modern school which stresses practicability first and beauty second. Factory-type construction of brick, steel, and glass has been used for maximum utility.

The Government allowed the project to proceed in spite of the steel shortage because of the vital need for metals research. The Armour Research Foundation already has several war industry projects awaiting completion of the building and installation of the new equipment. The structure is a restricted area and not open to visitors at the present time. However, the new portion may be open for inspection following completion.

The building, when finished, will be equipped with a complete laboratory for research in molding materials, core ovens, core blowing and sand mixing equipment.

Included in the two bays already finished, are a well equipped analytical laboratory for metallurgical analyses, a \$20,000 Ajax induction furnace, a small five-pound Ajax furnace, a five-ton travel crane, a General Electric atmospheric control heat treating furnace, and other miscellaneous equipment.

Yet to be installed are a Lindbergh hump furnace, a 1,000 ton hydraulic press, a small rolling mill, a well equipped electric-plating laboratory, an X-ray diffraction laboratory, and microscopes and allied equipment for petrographic work, a complete laboratory for powdered metals research, a metallographic laboratory, several gas-fired melting furnaces, physical testing equipment for metals such as Brinell and Rockwell hardness testers and a large amount of special casting equipment for ferrous and non-ferrous metals. Space has also been provided for installation of pilot plants of various types.

## ● Elections

(continued from page 1)

leaving Irving Woolf and Herman Mirochnick opposing each other in the runoff.

Howard Eck and John Enander will enter the finals after the elimination of Leonard Kahan.

## NOTICE—HELP WANTED

—RADIO HAMS

or even Radio Engineers  
Contact John Conner in Rho Epsilon this Wednesday afternoon from 3 to 5:15 pm.

## Navy speeds V-7 program

Through a newly accelerated officer training program, the Navy is offering enlarged opportunities to college graduates not over 27 years old to become commissioned Naval officers in a special year-end midshipmen's class.

Enrollment of a class of 1,800 must be completed within the next few weeks, Captain E. S. Root, Chicago, Midwest Director of Naval Officer Procurement, has revealed.

He announced that the special school, under the Navy's V-7 program, was ordered a few days ago to turn out a class of ensigns ahead of 1943 schools receiving next June's college graduates accepted in V-7. The special school, starting no later than January 1, will be divided between existing midshipmen training centers at Northwestern and Notre Dame universities, the New York Naval Reserve Midshipmen's school and the United States Naval academy.

Men in the special class will enroll as apprentice seamen in V-7 for four months' training in the Navy's wartime midshipmen schools. For the first month those accepted will be apprentice seamen in Navy indoctrination. For the next three they will be midshipmen.

Midshipmen completing the instruction successfully will be commissioned as ensigns in the United States Naval Reserve. Those who fail will be discharged to their former civilian status or, if they choose, may remain in the Navy in an enlisted status of their choice and qualification.

Aside from possessing degrees, applicants must show credit for a year of college mathematics. Men without that, however, may be accepted if they agree to complete such a course, correspondence or by personal attendance, within 90 days after enlistment.

Current speed in the program requires enlistments within the next few weeks. As a part of V-7, which also applies to college undergraduates, this special program is open to college seniors who will receive their degrees by January 1, 1943.

Both married and single graduates are eligible. The latter, however, must agree not to marry during their training period. Physical requirements include a minimum height of 5 feet, 4 inches and weight in proportion to height with a minimum of 124 pounds.

Opportunities for a lifetime career in the United States Navy exist in this midshipman training, for

## 10 cent raise for student assistants

Mr. Spaeth, Business Manager of Illinois Tech, announced about a week ago that a 10 cents per hour raise was given to all student assistants.

Why? Well, the administration felt that use of the students in school as assistants would be for benefit of both the students and the school.

The lure of higher wages outside the school caused the administration to increase the student assistant's wages. The wage level was raised from 40 cents per hour to 50 cents per hour.

Because of the limit of \$50 per semester on his earnings, such a raise would only benefit the student by lowering his working hours. To take care of this, the administration thoughtfully ruled that the students could now earn \$60 per semester.

NYA should not be mistaken for student assistants. Anyone can work as a student assistant, but since the NYA is government sponsored, aliens are barred.

## "The Drunkard" to play for Techawks' benefit

"The Drunkard" is expected at Illinois Tech about the first of January for a short visit. Lest some outsider starts to wondering what goes on here, let it here be known that "The Drunkard" is not a high-flying Techawk, but a drama to be presented by our own Armour Players. This production is no sub-Shakespearean play, but a stirring melodrama. To add to the novelty, it will be presented in cabaret style, complete with knobby kneed and a hairy legged chorus line. The reason for the glamor boy dancers is that the whole cast is composed of males.

While most of the parts have been filled, there still are choice bits awaiting, especially for four jitterbugs. Where are these hep hounds who tore up the place during the Freshman Welcome Dance? Someone finally appreciates them. Other acts will be welcomed by either Miss Lucille Meyers, the play's director, or Larry Nadel.

Every play depends upon its production staff. So it is with "The Drunkard". All kinds of stage hands are needed, and they can offer their services next Tuesday, when there will be a Players meeting.

naval reserve ensigns, after a year at sea, may apply for transfer to the regular Navy.

Inquiries may be made at any Navy recruiting station or substation.

(ADVERTISEMENT)

## ENGINEERS' COOPERATIVE

The Engineers' Cooperative has endeavored to fulfill the needs of all Armour students in the way of books this fall.

But we offer an apology to you men for whom we did not have the right books. An insufficient staff of workers plus poor shipping are the primary causes for the lack of books. We are doing our best to remedy the situation by adding ambitious juniors and sophomores to the board of directors and managing staffs.

The Engineers' Cooperative is a student-owned and student-operated organization. None of the students receive any pay for their services. However, our volume of business has increased to such an extent that very shortly a paid manager will be needed.

Fellows, this is your organization. It's more than a store; it is a working example of cooperation among men to serve themselves and others. The money you save is in proportion to what you buy; the more you buy, the more you save.

We would like you to share in this enterprise and make the Engineers' Cooperative the official book store of the students.



# Co-operations

By Chuck Rowbotham

The co-op school schedule is still in an undecided muddle at the present time due to inactive reserve plans and rumors of government loans to enable co-ops to go to school steady until graduation. In fact the government has not decided what to do with college students so I'm afraid that we will have to sit tight until they reach some decisions. One thing is certain, the senior co-ops will graduate this coming January; that is, most of the seniors will graduate then. At present the 5A boys are running around between classes like raving maniacs. Reason? The poor boys (Graham, Langewisch, Mascarello, Weinold, Korrell, ect.) are trying to find those instructors who gave them those incompletes in years 1,2,3,4. So, the co-op situation is entirely indefinite.

The 3A stupidents are going all out for national defense. Mr. Z. J. Lansky and Mr. William Werninghaus are now serving as air raid wardens in their respective communities. Their years with the wolves of IIT have undoubtedly improved their "blackout technique." Another third year co-op was formerly an air raid warden. There is a long dark story behind his resignation but to protect his loved ones (classmates) his name is being withheld from publication.

Speaking of air raids, war, and other calamities brings to mind the misfortunes of one Harold Wackelin, 2A. Here is the whole story. Hal was driving along in his little "snatch wagon" when his eyes fell upon a beautiful pair of legs. After a few minutes gaping he decided to look further, so his peepers rose until they perceived a beautiful face. By this time his mouth went into action and out came that long sweet melodious co-op wolfing whistle. The usual (or possibly unusual) results followed; the young lady jumped into the car. . . . After an interesting and educational evening, Hal took the young lady up to the door for a luscious good-night kiss when the front door pops open. "Mommy," yelled the eleven year old boy. Hal's young love proved to be 31 years old. It will take a few months for Mr. Wackelin's mind to recover completely from the shock.

Under the same topic comes Z. J. Lansky. He recently received a letter from the Morton high school PTA, asking why he had not joined the PTA when he had two boys enrolled in the high school. Of course, this was a mistake in the records.

Here is a swell way to spend Sunday afternoon and evenings in the pre-ration days. Fifteen couples from the senior co-ops went out to Palos Park for horse back riding and steak fry in the evening. Pete Vander Ploeg's wife's horse's leg's knee gave way and they both fell. Luckily for Mrs. Vander Ploeg the horse was on the bottom of the pile. Sanders has some very interesting shots of the crowd swallowing steaks and gurgling that half gallon of beer.

After hearing much talk about getting away from women for a vacation, four 3B co-ops finally did it. Jack Hansen, Dick Biedermann, Bob Byerwalter, and Earl Long rented a cabin in the north woods of Wisconsin for a week of fishing, hunting and loafing. Absolutely no girls were seen for seven long days. Fishing was so good that the boys kept a whole lodge supplied with fish.

Bob Elliot 2A is in his glory. He has the unique pleasure of sharing his car with two beautiful secretaries every evening. June Cox, that red head is one of the beauties. Did you know that Bob is starting a "share your car club"—for women only. Incidentally Adel Cox won the Army Navy E (from Bob).

The ex co-ops now in the service would appreciate some mail from their old friends. Certainly a little letter writing will not hurt anyone, even if we can't do it on a slide rule. Will the Co-operations' representatives in each class collect the names and addresses of all the men of their class now in the service so that copies of the Tech News may be mailed to them as well as a few letters. Here is



## MAN OF THE WEEK

We are keeping the man of this week in the family. It is none other than Bubbles Bechtolt. Our own Paul Robert Bechtolt.

Why Bob? Well, he is president of WSE which sponsored the Sam Campbell lecture, second vice-president of the ITSA, member of Tau Beta Pi, Salamander, and Sphinx honoraries, member of FPES, Armour editor of the Integral, top man in the FPE department, night switch board operator, and intramural referee, extraordinary. Bob comes more than ever into the lime light this week since he has been appointed the new managing editor.

Bob is seventy-two inches tall, six feet to you, with black kinky hair that his mother never could do much about. He is unsuspected and has a nice round face indicative of his weight. His weight is just a little bit above Navy regulations.

Bob is currently knocking on the doors of all of the services, trying to get in. It looks like the Navy if they will take him.

Our boy is attending IIT on a four year FPE scholarship. He won this in his last year at Hirsch high school. At Hirsch, Bob was social chairman of the class, judge on the student court, and sports editor of the paper. Those mighty arms of his are a result of throwing papers during his younger days.

What is his favorite food? That is easy to answer. Bob is very versatile; he has no one favorite food, just desserts. We have seen that man go back five times for pie, ice-

cream, ice-cream sandwich, etc. That is the gospel truth.

Bob is one of these behind-the-scenes men. Things rarely happen around school that Bob does not know about. Generally he was in on the start. Witness the Co-op bookstore, senior advisers, field house fund activities, and intramural refs. Bob with Milt Pleva set up the present program of scheduling refs for intramural games.

Don't start an argument with him for he has no superior in this field. He has argued with everyone from the Lutheran young people's society to junk peddlers on west Madison street.

He can cook, or so he says, and plays the piano. That is his own testimony.

That flivver you see him driving around in is a result of a trip with a "friend" of his out West at the end of the frosh year. They traveled six thousand miles in two weeks. As for further Herculean accomplishments of that car, ask any senior FPE.

Bob is tops all the way around and a fitting man for the man of the week—that goes for any week.

### Mission Names

Waitress: "Hawaii, gentlemen, you must be Hungary?"

Customer: "Yes, Siam, and we can't Rumania here long, either, Venice lunch ready?"

Waitress: "I'll Russia a table. What'll you Havre?"

Customer: "Anything at all, but can't Jamaica little speed?"

Waitress: "I don't think we can Fiji that fast, but Alaska."

Customer: "Never mind asking anyone, and just put a Cuba sugar in our Java."

Waitress: "Sweden it yourself, I'm only here to Servia."

Customer: "Denmark our bill and call the Bosphorus. He'll probably Kenya. I don't Bolivia know who I am?"

Waitress: "No, and I don't Carribean. You sure Ararat."

Boss: "Samoa your wisecracks? What's got India? Do you think this arguing Alps business?"

Customer: "Canada noise. Spain in the neck."

the address of an ex 3A co-op who has now been in service for nearly a year.

**Warren Sommers, USNR  
Cadet Regiment—Class 7B  
U.S.N.A.S. Bldg. 138  
Corpus Christi, Texas.**

The fellows responsible for news appearing or not appearing in this column are Ray Schultz 5A, Jack Packer 4A, Chuck Rowbotham 3A, 'Casey' Puchalski 2A, and Nick Spelson 1A. If you wish to see your class well represented in this column please turn in your stuff to these fellows. We can't print what we don't know although we do have an active imagination.



Other Campuses  
by Raymond W. Sauer

Montana university has received a valuable collection of Indian weapons and tools from the estate of Chancey E. Woodworth, Montana pioneer and collector.

Columbia university sophomores studying humanities are permitted to don earphones to listen to musical recordings while they learn their lessons.

Lack of fundamental education in mathematics presents a major obstacle in selection and training of midshipmen for commissioning as ensigns in the navy, Dr. H. T. Ettlinger, University of Texas mathematics professor, points out, quoting a letter of Adm. Chester W. Nimitz.

"Of 8,000 applicants, all college graduates, some 3,000 had to be rejected because they had had no mathematics or insufficient mathematics at college nor had they ever taken plane trigonometry," Nimitz wrote.

He added that "75 per cent of the failures in the study of navigation must be attributed to the lack of adequate knowledge of mathematics. A candidate for training for a commission in the naval reserve cannot be regarded as good material unless he has taken sufficient mathematics."

A chapter of Alpha Omega Alpha, honor medical society, recently was installed at Wayne university.

Timber on the University of California's experimental forestry is increasing at a rate of 100,000 board feet a year.

Educational clinic of City college, New York, established in 1913, was the first one opened in this country for treatment of mal-adjusted children.

Before it had its first building a century and a quarter ago, Allegheny college had a 10,000-volume library, then second only to Harvard's in this country.

Sigma Xi, scientific research society, has granted a chapter for establishment of a chapter at Louisiana State university.

Dr. Bertha E. Stokes, Tulane university graduate, is the first woman county health officer in the history of Alabama.

Fraternity men buy 1,000,000 suits yearly; sorority women buy 500,000 dresses every year.

For nearly one hundred years after its founding, the University of North Carolina, although a state institution, was not given state appropriations.

The University of Wisconsin Alumni association was organized 80 years ago.

In June, 1873, Stevens Institute of Technology graduated its first class which consisted of one man, J. Augustus Henderson, who thus became the first to receive the degree of Mechanical Engineer from this college.

Carl Sandburg is the most popular of living American poets, according to a survey of University of Kentucky English students.



# Behind The Curtains

# BLITZKRIEG

By ANON

So much that happens around school, just happens, so far as ninety-five per cent of the students are concerned. This column hopes to bring some items forward that are going to happen or have happened—behind the curtains so to speak: This column or any part is not for reprint. The feature editor consented to take the blame for the content. He will then murder the writer. ANYWAY, HERE GOES.

The frosh are showing good spirit in wearing and buying their hats. The Co-op and administration book stores sold them at cost as a service to the school. The hats serve an excellent purpose.

Watch for something to cook on the health plan. It has been kicking around too long in the Board of Trustees inner sanctum. Hugh Story ought to have something cooked up pretty soon along that line.

Also, look for something to happen pretty quick on the Field House fund. The paper or the ITSA may start the fireworks soon.

It was surprising how many things the ITSA can do when they put their minds to it. Maybe an editorial now and then can keep them moving to really constructive work. Just in passing the faculty and administration outnumbered the students at the last ITSA meeting. Something is cooking to remedy this.

The blocking pads were ordered by ITSA. Ken Jacobs seems to think that with these pads the boys will play a harder game and more people will get hurt. If many more injuries occur watch for much more strict and concise reffing. A bad injury may mean abolishment of the game. At least that is the trend.

The frosh are showing great spirit. Thirteen teams grace the freshmen football league. A class like that is going places. However, their spirit may be broken a little if they continue to ride the elevator.

Jobs are open every place. It is not too early to consider Christmas jobs. Go to the placement office—it does not make any difference what year you are in at the school. The post office has started recruiting in the high schools already. You had better get moving—QUICK.

By the time this paper comes out, the freshmen fraternity men may have dominated the frosh election. If not, watch for this control in the finals next week. Stop any clique that is trying to get in power for its own benefit and not for the purpose of bettering the job.

We hope that you fully appreciate what John Schommer is doing for you. He was a mighty sick man when he talked to you in the assembly, Tuesday. He would walk right into his grave helping you—and probably will—many years from now, we pray.

President Heald left himself wide open at the assembly when he said you could ask him any question. We do not think that he realized at the time what such a statement would result in. One man actually asked him the difference between the V-7 and the V-5 programs. This has been discussed at numerous assemblys. Our President is a busy man. If your questions are really important, he will be "tickled to death" to answer them. But use a little discretion in asking them.

The yearbook is hard up for men. This book must not be another one or two man affair like the last one. The work involved is tremendous and requires many late nights.

Along with this plea for men on the yearbook goes a plea for underclassmen to get interested in all activities. The top jobs are wide open—even in the paper. No one controls these jobs, we just want good men.

The paper has been blessed with swell cartoons this year. Responsible for this are two freshmen, Walter Pruter and Jim Ladd. One of these boys will soon be called into service on the yearbook leaving the other for the paper.

Clubs and organizations on the ITSA budget must keep within their budget. Even the music clubs are going to have to stay in their appropriation this year since the ITSA gave them a raise in pay.

Zemaitis and Keigher will pay dearly for their misdeeds in the past. Active members of Honor I have promised this.

The club that is doing great things this fall is the dance club. Its youthful president is doing a "heck of a lot of work" on it. Its membership is pushing one hundred.

Another active organization, the ASME, has opened new offices on the third floor of Machinery Hall in Professor Flanigan's old office. This organization is destined to go places this fall.

Bob Bechtolt is taking over the Managing Editor job equipped with about the greatest knowledge of newspaper journalism of any other student in the school. If you see an improvement in coverage and journalism—look to Bechtolt.

Next week we will go deeper into back stage—see you then.

Greetings, Pals;

This column smells,

And so do those who write it.

Hey, wait a minute, what am I saying?

Let's begin this week of bliss and joy

By spreadin' some dirt about each girl and boy.

So here goes—

VIRGINIA BLUE and the MADALINSKI'S RAY

Have been going together, we've heard say. Then there's OSHEROW'S JEANNIE, too. Whose boyfriend, WILLIE, is a Second Lieu. And there's ANNIS on the other end. Whose soldier, DAVE, is the steady friend. Now we come to the LEVIN'S ROSE. Whose been writing to PAUL, as the school well knows.

Now that we've started Cupid on his way, We hope that you too, 'll be bitten some day.

It has been called to our attention that HENRY GOLDSTEIN and MAJOR SMALE have been tossing ill-reputed women around. Tut, tut, what are the ethics classes coming to?

As a result of a final analysis taken, we observed that there will be a tremendous increase in the female enrollment in the chemistry classes this spring. Could DR. DAVIDSON'S clear blue eyes have anything to do with the situation? We do wonder.

\* \* \* \*

Humor Note of the Week

Time: Monday's Physiology Class

Place: Biology Laboratory

Characters: DR. WHITEHILL

Scenery: Frogs

Background: Students

Dialogue: "Life is one thing after another.

Love—is two things after each other."

\* \* \* \*

Has anybody noticed any stray vertebrae scattered around the gym? If so, please do not mistake them for shufflecocks, because they belong to PHERO THOMAS who lost them while playing Badminton last Thursday.

SYLVAN SALK has acquired a new steady girlfriend. Why don't you bring her around, SY, so's we can all meet her?

BLANCHE FRIEDE has finally received a letter from boyfriend, BILL ROCK, former IIT, now doing defense training in Milwaukee. Any interesting news, BLANCHE? What's up?

Poor JACK HALLORAN is having more trouble lately with the Haessler Chorus Cutties(?). It seems they insist on having Jack wait until the very last in order to be served. Maybe they just like him, huh?

Question of the week: Why is a mouse when it spins?

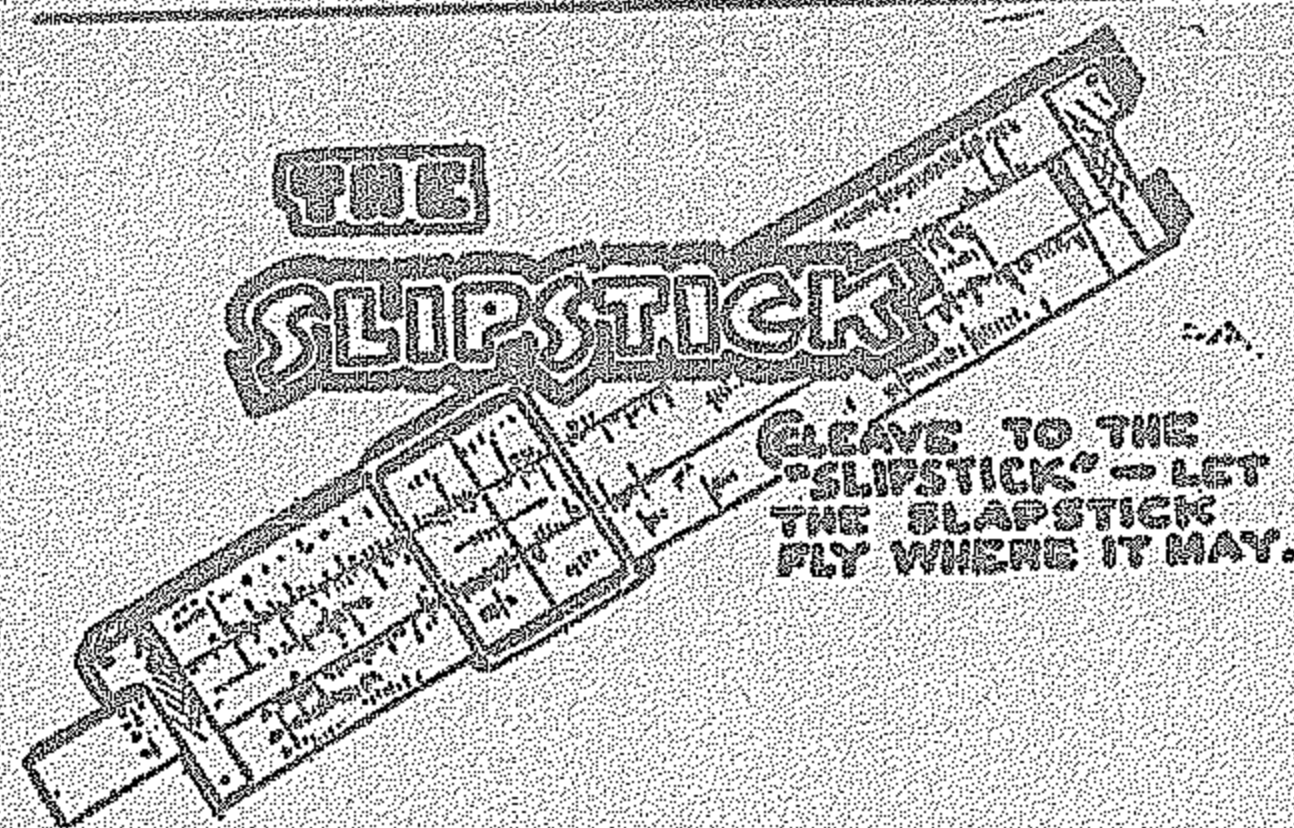
O.K. Kiddies, that covers just about all for the week, so if you'll just tear off the tops of five convertables and send them to us with your name and address, we'll send you one "over-ripe tomato or a reasonably accurate facsimile."

Be good now, and bear in mind that swell-egant dance, the "Witches Whirl" is whirling around, come the 30th of this month. . . . See you all there with your favorite Spook.

rection when a sharp "Keigher, get out of that!" brought him to. His excuse: he didn't read the signs. . . . Latest war communique from the Registrar-Bursar war front states that a stalemate has developed. Generals Sylvia Lynta and Karl Brown are conferring with their councils to determine what action should next be taken against one another.

And so we'll close, wishin' ye a braw Hallo-we en nicht, when Lak Tan-o-Shanter ye'll see. "Warlocks and Witches in a dance."

—The Two Druids.



Gadzooks, but the days are flying by! Every week a new heading. Zookgaddles, let's get to work! The other day a couple of farmers in England were running through a field ducking the bombs being scattered by the enemy. One farmer hollered over to the other "Say Zeke, do you know what it is when a bull swallows a bomb?" Zeke, puffing and very much out of breath replied: "Why that's abominable." \*\*\*\*\*!!!! NO! PLEASE, FELLAS—never, never again!—Nurse! come over here and hold my hand.

Blame it on the rationing, Sis!

Supervisor: "Hello! Hello! Do you wish to call a number?"

Sambo: "No, sah, miss, ah don' want no numbah."

Supervisor: "Then don't play with the telephone."

Sambo: "Ah ain' playin' wid no phone. De receivah fell in de sugah bowl an' I'se been lickin' off de sugah."

\* \* \* \*

"I hear your daughter is practicing daily on the harp. How is she getting on?"

"Well, her mother isn't quite so keen on going to heaven as she was."

\* \* \* \*

LORNETTE: French name of a dirty look that you can hold in your hand.

\* \* \* \*

Little Billy brought home his report card, and with it was a note from the teacher.

"Dear Mrs. Blank," said the note. "Billy is a bright boy, but he spends all his time with the girls. I'm trying to think up some way to cure him."

The mother studied the note, then wrote the teacher as follows: "Dear Miss Scruff: If you find some way to cure him, please let me know. I'm having the same trouble with the old man!"

\* \* \* \*

Gob (writing a letter to mate sitting on bunk: "Hey, Joe, take yer shirt off. I want to see how yer spell Matilda."

\* \* \* \*

How about it, Joe?

J.R.—"Today I met a girl who had never been kissed."

H.R.—"I would like to meet her."

J.R.—"You're too late now."

\* \* \* \*

She: "The doctors now say that low-neck dresses help women ward off colds and pneumonia."

He: "Well, I was at a swell restaurant last night where all the girls seemed to be trying to ward off lumbago."

\* \* \* \*

She wasn't an Ojibway!

An Indian girl recently won a beauty contest. Her name was Pretty Bear. We haven't seen a beauty contest winner yet that wasn't.

\* \* \* \*

An unobtrusive gentleman in the museum was gazing rapturously at the huge oil painting of a shapely girl dressed in only a few strategically arranged leaves. The title of the picture was "Spring." Suddenly, the voice of his wife snapped, "Well, what are you waiting for? Autumn?"

\* \* \* \*

Some girls proclaim their beauty from the Hose tops.

\* \* \* \*

MERCY! MERCY! . . . MERCY! MERCY! I'za comin' Granny! I've only been here a little while and you haven't showed me any MERCY at all. I think I'll leave.

Byope Nopow

"FISHER'MIN'!"

## STEAM SHOVEL

Let's start diggin'. The latest correspondence with Washington tells us that Dr. Hal Davey, the "Syracuse Superman," will become a proud papa next May. . . . There's a battle rewbin' between the seniors and a group of frosh. The frosh are planning to take over the table in the cafeteria reserved for seniors. It'll be a bloody day when the frosh tangle with Cowboy Zemaitis, Hardrocks Martinek, Baby-face Swann and others.

Sophomore Bill Murphy thought he could do some convenient wolfin' when he found that a former steady now works for the "Institoot." "Murph" was a sadder but wiser man when he learned that she has been hooked by another laddy. . . . Methinks Bob Kline is commercializing his fraternity pin. At the recent Theta Xi open house he was renting his pin by the hour to several of the lassies.

Looks like "Brush-face" Dambros and Nancy Callahan of EDT are a permanent combination. . . . Two Junior Mechs, both enlisted in V-7, have passed out engagement rings. Vernon George has coupled himself with one Miss Elaine Brown, while Vernon Selbach has slipped the metal to Miss La Verne Drabek. . . . Berny Chertow, that suave grad student, has enlisted feminine aid in matter of choosing a wardrobe.

Although the Fuller brush man has won wide reknown for his exploits of verbal persuasion, we deem the Senior Fire protectors superior to the afore mentioned bristle vendors. While inspecting Marshall Field store, they met a cute wee lift operator, by name, Francine. Although she changed elevators many times to avoid the job of ferrying the firemen up and down, they followed her all over the store. Bob Duerrstein and Joe Pruzinski even wangled a date out of her for that evening, but Shylocks Duerrstein and Pruzinski decided they needed money more than social life, and so, worked the evening away while Francine pined her heart away. Shy Shylocks.

It has come to our attention that the most avid follower of this column (excepting ourselves) is "Doc" Krathwohl, whose pet pastime is teasing "Kappy" Kapranos about articles concerning him which appear in this column. . . . We vote Mr. Nachman of the M. E. department this week's award as the absent-minded professor—he walked out of his office and locked the door, forgetting that when he shut the door, he locked the secretary, Helen Artus, out of the office.

Don Keigher must still think he's in the north woods. While in a theater lounge last week, he started to wander in the wrong di-



## Activities calendar plans school life

The Student Union Building will in the near future be graced with the presence of an activities calendar. This creation will list the main activities which are to be held in the Student Union.

A tentative schedule has been arranged whereby the auditorium will be reserved at 10:00 a.m. Fridays for special meetings. The first Friday of each month will be allotted to class meetings of all classes, the second and fourth Fridays for Professional Society meetings, the third Friday for Western Society of Engineers, and the fifth Friday for clubs. Other groups must find other times for their events. General Assemblies called by the Dean or the President of the school shall take precedent over all other activities.

The Student Union Board of Control will be in charge of the calendar. The SUBC is composed of students from each of the four classes, the "A" and "B" co-ops and the graduate school.

It is hoped that the calendar will be perfected before the new semester begins on February 4. All items to be listed on it should be turned in at least one week previous to the date of publishing of the calendar. A new calendar is to be erected every six months. For further details and information see Don Keigher or a member of the SUBC.

## Musical clubs look ahead

At a recent election, the musical clubs of the Illinois Institute of Technology elected the following officers to carry on the activities of the organizations:

In the Glee club, Raymond Schultz was elected president, with Bruce Worcester as secretary-treasurer and Leonard Koch as manager. The orchestra has Melvin Korrell as its new president aided by Fred Drummond as secretary-treasurer and Robert Skriba as manager. The combined clubs will be officered by Dick Hameister, president, Don True, secretary, and Edward Opila, treasurer.

The clubs are busy preparing their concerts for the coming season. They will open their season on the Rotunda of the Art Institute on November 25. The next engagement will be before the Rotary club of Rockford at Rockford, Illinois, on December 10. The combined clubs will appear before the student body for a Christmas concert on December 17.

Mr. Erickson, director of the musical organizations at IIT, has started to organize a chorus over at Lewis. This is the women's chorus. Preparation for the ambitious concert schedule will require at least one practice a week. Temporary arrangements have been made for practicing at the sorority apartment on the West campus, every Tuesday at ten o'clock. Those interested are invited and asked to attend.

# ORGANIZATIONS

## Rifle Club

The Rifle club has been unable as yet to secure space in the Armory for a rifle range.

In the meantime, the club members are using the old range in the basement of the Physics Building. With a total membership of thirty, the older members have been kept busy coaching the novice riflemen in the proper methods of rifle shooting and handling.

## Dance Club

Sweet strains of music peeled forth from the auditorium last Wednesday afternoon and brought forth a great many inquisitive persons. They found the members of the Dance Club swinging out behind the leadership of the new instructor. The learning of new dance steps and brushing up on the old ones lasted for one full hour. A period of general dancing followed.

This Wednesday, at five o'clock, the club will again meet. Any and all men who are interested in this form of activity are heartily invited to attend.

If there are any fellows with cars that would like to transport a group of girls from colleges in the near vicinity to the Armour campus, they are asked to leave their names and the time when they can be contacted in Mrs. Orcutt's box.

## Gamma Rho

On Sunday, October 18 at the home of Roger Friewer's, Gamma Rho held their first smoker of the fall. The business of the meeting was the election of officers. Jack Halloran was chosen president, Chuck Marner was elected vice-president, Ray Calabrese, treasurer, and Phero Thomas, secretary. After congratulation, everyone pitched into Mrs. Friewer's renowned potato salad and baked ham.

Bob Meyer managed to come in from Chanute Field, where he is going to weather school to help the boys bend an elbow. Steve Mendak appeared, proudly displaying a photograph of his daughter, Micheline.

## Kappa Phi Delta

Kappa Kewpies have been very busy planning their rushing parties. Their first tea was held in the Apartment last Tuesday. After

## Illinois Tech branch at Rockford college

Breaking a tradition almost 100 years old, Rockford college has just initiated its first male class, composed of eighteen engineers who are taking the standard freshman course given by IIT on the campus of this central Illinois school. The professors who are giving these courses are: Dr. Raymond D. Mullinix, chemistry; Dr. Jordan D. Cavin, economics; Dr. Curtis B. Bradford, English; Dr. A. Frances Johnson, mathematics; and Mr. Jens Larson of the Mechanics Universal Joint Company, technical drawing. Dr. Johnson is also launching a course in the fundamentals of electronics for four of the math students: Jack Chapman, Bob Hogg, Roy Norrlander, and Warren Black; this work is in addition to the mathematics they are now being taught.

Jack Chapman, president of the

playing "hide and seek" with their lunch boxes, they went back to grammar school days and played games. The next tea will be held on October 27.

Mae Krueger, call '42, is now student laboratory technician in hospital in Madison, Wisconsin. June Kiefer is finishing her course at Wesley Memorial hospital.

The Kappas missed Pat Arns who is recovering from an appendectomy operation, and are looking forward to her return.

## AIEE

A movie picturing the installation of the first trans-Atlantic cable will be one of the feature attractions at this month's meeting of the American Institute of Electrical Engineers at IIT. This film will show some of the problems which confronted the builders of this mammoth enterprise and it will show how they were solved by capable engineers. All engineering students will find it worthwhile to see this picture.

Following the display of this movie short speeches will be presented by several student members.

Dr. E. H. Freeman, the faculty advisor, suggests that this meeting would be of interest to all engineers. It will be held at ten o'clock Friday morning in Room U2W.

## AXE

The Alpha Psi chapter of Alpha Chi Sigma, national professional chemical fraternity recently held an election for officers.

Those elected were George Eckert, master of ceremonies, Ted Anderson, master alchemist and Pat Columbo, treasurer. The retiring officers were Peter Blasco, Leonard Lambin, and Larry Hadlock. Dr. Bruce Longtin was chosen faculty advisor.

Last Sunday evening, a testimonial dinner was given in honor of Dr. R. C. Kintner, associate professor of Chemical Engineering and formerly faculty advisor to this fraternity. The dinner was held at the Broadview hotel on the south side, 5540 Hyde Park Boulevard. Dr. Kintner is now district counsellor for Alpha Psi.

## Former IIT prof helps war effort

A former Illinois Institute of Technology professor has been awarded a prize of \$11,200 for saving a war contractor \$6,000,000 in the manufacture of anti-aircraft guns.

He is Dr. John L. Miller, professor of metallurgy at IIT until less than two years ago, when he became chief metallurgist at the Firestone Tire and Rubber company of Akron, O. He won the grand award of the James F. Lincoln Arc Welding Foundation of Cleveland.

Dr. Miller's work was a foremost factor in the re-designing of the 40 mm. Bofors anti-aircraft gun. The metallurgist substituted welding for riveting in the manufacture of the chassis and other parts of the gun. The result was a 50 per cent increase in strength and a reduction of \$76.80 per gun in cost.

Rockford engineers, is the correspondent for Technology News at Rockford College.

## Second IIT scrap drive under way

Plans for IIT's second scrap drive are now well under way and those pieces of unnecessary metal around school will be absconded by adventurous "miners" on Saturday, November 7, if present plans go through. Scheduled to fall under the "axe" of volunteer workers is the Graduate House fence, whose vicious spikes recently stabbed a student who was not on the look-out for such stubborn resistance on the part of our "Ferrous Friend."

Also probably doomed to die is the organ in the auditorium. It has played nary a note for many years and will undoubtedly reach the more useful phase of its life when it emerges from the muzzle of a gun which is pointed in the correct direction. Namely, that position which our enemy occupies.

## Research Shorts

Dr. Martin H. Heeren, chairman of the chemical engineering staff, last week spent a day at the United States Regional Laboratory in Peoria.

\* \* \*

Wilmer T. Rinehart, formerly a research chemist with the United States Gypsum company, has been appointed to the chemical engineering staff. At Indiana University Mr. Rinehart received his bachelor, master, and doctor's degree. He was also an assistant track coach and assistant in the chemistry department. The Roessler and Hasslacker Chemical company of Niagara Falls, New York, secured his services after his education at Indiana.

## Grinter leads research group

A War Research Committee to authorize, conduct and integrate research projects related to the war effort has been formed at IIT. The committee membership will include all faculty members of the Institute who are doing approved special research on any project related to war needs. Vice-President L. E. Grinter heads the activities.

Twenty-five projects are now under way, in 11 different fields—chemical engineering, metallurgy, X-Ray inspection, Raman spectra, spectroscopic analysis, physical and organic chemistry, heat transfer, aerodynamics, airplane stress analysis, radio communication and an elaborate program of work in electronics.

## Engineering educators recognize women

Women gained the formal recognition of engineering educators today with the announcement by President Henry T. Heald of Illinois Institute of Technology, current president of the Society for the Promotion of Engineering Education, that a "census" of women enrolled in engineering schools would this year be included in the society's annual survey of engineering enrollments.

The part women are playing in the war effort, especially as technicians and even a few as engineers, cannot be overlooked. President Heald said in his announcement, nor can the fact that engineering will depend more upon women in the coming years than it does today.

## Jeanne Johnson converts mother to ordnance course

When Mrs. Mae Johnson, 232 North Pine Avenue, learned that her daughter, Jeanne, wanted to take a war training course in ordnance inspection at IIT, she almost refused to let Jeanne enroll.

Today, as Jeanne completes her training course and is ready to go to work in a war job, finds Mrs. Johnson studying ordnance inspection at the same school.

Jeanne, 19, had been studying pharmacy in college for two years when she learned of Illinois Tech's free program to train women for war jobs. She decided that it would be a more important service to her country if she would enroll for this training.

Her mother, a former school teacher, could not at first agree; she thought it unnecessary for her daughter to postpone her regular college career to train for war work. But she finally consented to let Jeanne enroll in the nine-week course.

As her work progressed, Jeanne began telling her mother about the laboratories and classes she was attending at Illinois Tech. She told her mother of how two hundred more women like herself were now giving eight hours a day, five days a week to be trained for war jobs. She pointed out to her mother that the courses were given at government expense, that more than 600 women had been trained at Illinois Tech since last March when the In-

stitute pioneered in this training for women.

Mrs. Johnson started listening. "It does sound interesting—and important," she admitted.

Finally, Mrs. Johnson was convinced that Jeanne hadn't made a mistake in training to be an ordnance inspector. She was so convinced that a week ago on Monday, October 12, she enrolled at Illinois Tech in the same program.

The Johnsons thus became the first mother-daughter combination in the nation's first program designed to train women for technical war jobs.

Jeanne received her certificate in graduation exercises held last Friday, and she goes to work at once for the Chicago Ordnance District as a junior inspector. For both Jeanne and her mother are a part of the junior inspector training program, where students "earn as they learn." While taking the free course, they are employes of the district and are paid at the rate of \$1440 per year.

Elmer W. Johnson, the husband and father, a structural engineer also working in war industry, is proud of Mrs. Johnson and Jeanne. But he isn't as proud of them as his son, Bill.

He knows that his mother and sister are taking his place in serving their country. Though Bill is 17, he can never serve in the army. Bill is blind.



## Senior EE's, Soph Civils triumph

The king is dead! Long live the king!

The highly touted Senior fire extinguishers went up in a cloud of smoke before a fleet and fighting gang of Soph Civils last week, to register as the major upset of the week. The Firemen, playing listlessly, appeared as though they had been up all night reading the previous Tech News' notices of their prowess, and figured that somehow they were invincible. But alas, the Sophs evidently couldn't read.

Capitalizing on the same type of effective blocking that has featured the Civils' play throughout, Jim Hinde exploded through the center of the Firemen's line early in the first half. Once in the open, Hinde veered to his left, used his blockers to the utmost, and outdistanced his pursuers to the goal; a run of some fifty yards. It's getting to be pretty much of an old story to Jim, however, as he was merely duplicating a feat performed against the Junior Mechs last week.

Most sorrowful was an ever so docile "menace" Lease, a chubby lad whose "Bubbles" had burst, and an ex-track star who found too many hurdles to clear. It brought tears to our eyes to behold these lads painfully dragging themselves out of the mud and back to the approximate vicinity of the next play.

Moving from tragedy to comedy, we find the Senior Mechs in a 45-0 romp over a confused gang of Junior Chems. Before the Chems had figured out who was on their team, (see TOUCHBALL page 8)

## Hockey team gets funds for new rink

Just as the Russians pray for snow, so do our hockey enthusiasts. Oh, what they wouldn't do for a bit of frigid weather. Everything is ready, from hockey sticks and pads to tentative schedules. And what do you think, guys and gals, we have a new hockey rink. Yep, our now active ITSA board appropriated a sum of money that will go towards building an ice rink for our skaters.

The call is again being given for all interested in this sport. All members, prospective and active, are to meet this week and every week on Ogden Field from Monday to Wednesday. There between the hours of four to six these men will undergo various conditioning exercises. Hockey requires that those participating be in tip-top shape so that injuries may not occur. Under the leadership of Dick Metcalfe and Bill Watson, Co-Captains, ye who are interested will soon get those creaks out of your weary bones.

Manager Bob Burkhardt has been corresponding with various teams in and around Chicago and he has prospects of a tough schedule. Definite dates have not been set as yet for games because there is no way of knowing when it will be cold enough. Some of the teams that have been contacted are: The University of Chicago, Great Lakes Naval Training Station, City of Lake Forest, the South West Falcons, George Williams College and Culver Military Academy.

## Honor I greeted pledges

Honor I officially initiated its pledges last Friday night at the Pi Kappa Phi fraternity house. The pledges were firmly impressed with the principles and ideals of the organization by all of the actives. After this home session refreshments were served.

The formal initiation will continue all of this week and next week. For the information of new students and some of the older ones, the latest in campus fashion will be shown by the pledges during the initiation period. A sneak preview would spoil your complete enjoyment of this spectacle, therefore we impress our desire to give you the details.

Bernard Weissman, advisor to Honor I, consented to act as honorary pledge captain to help in directing the orientation of the new men. Sonny entered into the spirit of the thing in his usual energetic manner and is continuing to help see that justice is done. Mario Silla is the active pledge captain entrusted with duties of grave importance, viz., paddles, costume, etc.

## Sid Sher takes over

Sid Sher has been selected by the Lewis Student Council and confirmed by the ITSA board as the new intramural manager at Lewis.

The Lewis gym will be open to all male students on Tuesday and Thursday between the hours of 1 and 5 o'clock. The equipment is supplied and will be doled out by the new manager and Hank Pachowicz.

Sid wants all entries for the intramural touchball tourney to be turned into him before Friday. The entries should be accompanied by a schedule of available playing time of the team. As soon as the schedule is completed it will be published in the Tech News



## TECH TALLIES as found by Don Keigher

As I sit here contemplating a paddling within an inch of my life within two or three hours, life looks gloomy indeed. And our poor, already racked and weary body not yet recovered from the actions of those youthful civils. Drat 'em!

According to page one of last week's Technology News, this department, namely the sports section, is now under the tutelage of this writer. 'Course variety makes life more interesting and in times of emergency beggars must not be choosy. Be it as it may, these pages are under new hands.

We only hope that our efforts will match the fine sports sheets that our former ed Bechtolt has turned out week after week since last February. We know without a doubt that Bob has been the most prolific sports editor this sheet ever had. He likewise was the "writingest" editor, whose versatility and journalistic ability has contributed much to Illinois Tech. May we do as well.

Praise of the week goes to the ITSA board for all the fine things they did for the athletic set-up here at IIT. The hockey rink was really needed, both for the team and for the use of the student body. The sum of \$175 should quite adequately handle the erection of the rink. We were very happy indeed to see the recommendation of our last week's column, given such speedy attention, namely the special athletic awards to Watson and Metcalfe. The increase of funds for the intramural activities is another commendable fact. But—

Why was track not noted funds for next spring in the approved budget of the ITSA board? Why was this one sport discriminated against? Track is one of the three major sports on the campus and has certainly contributed to Tech's mark in the athletic world.

Granted there is a war on and transportation will be limited. But our team can still meet Northwestern, Loyola, Wheaton, Elmhurst, North Central, Lake Forest and the many junior colleges in the metropolitan area. All of these can be readily reached under the strictest rationing of transportation.

Granted Ogden Field probably won't be available next spring for track. But it's not available to any other activity either and they were appropriated funds. Outdoor track can be held at any one of our many city park tracks. Hardin Square Park at 26th and Wentworth has a good one-sixth mile cinder track and shower facilities, too. Both track and showers are far better than our own facilities have been here the last few years.

Granted our season has been foreshortened by cutting out indoor track. But we have always laid off between indoor and outdoor season, which required getting in condition all over again. Also the majority of Tech opponents have only had outdoor cinder teams.

Track is definitely a body-building, and endurance-building sport. Distance running, weight-lifting, jumping, etc. are all very vital to military conditioning. They teach endurance, agility, co-ordination and alertness. Must a sport be more than this to be worthy of war-time physical culture programs?

Think again, ITSA board members, and appropriate funds, at your earliest opportunity, for the track team. If you need more reasons on this matter, see any trackman in school. (see TALLIES page 8)

## Compulsory physical education starts

### Battered Techawk tells newest woes of football player

As I lay there in my comfortable hospital bed, I can remember when life at Illinois Tech was peaceful and serene. But, with the coming of fall and the merciless onslaught of demoniac touchball, the moanings and groanings of injured gridders puts to shame the agonized cry of a sophomore to whit, "ya mean dere gonna draft me?" Well, fall hit me and so did the knee of a fiendish fireman.

It would help a lot if the long awaited kidney pads would get here before the season ends. Nearly all the blocking done is by the body and the kidneys are on the receiving end all too often. Here's hoping those leather bustles arrive before any more injuries occur. Not that being in a hospital is bad, it's far from it. I got caught up on a lot of back reading (that Police Gazette certainly is interesting), beautiful nurses are at my side to satisfy my every whim, almost. But a horrible little fiend in a white smock is continually sticking thermometers in my mouth and mercilessly probing my mangled body. A thought just struck me: once I get out of here I'll quit school, resign from the draft, and enlist in the Swiss Navy.

As week after week passed by and no relief was in sight, I began to plead and beg to be released from the clutches of those grinning sawbones, but, as the nurse put it as she calmly strapped me into a straight-jacket, "this is for your own good, sonney, and soon you can get back to your beloved studies." That's when I turned over and went back to sleep.

Now where the heck did my Spicy go. I'm going to speak to the head nurse about the conduct of the nurses around here. All my cigars are gone too and I'm suspicious of that bulge in the nurse's pocket. Now what would she want with my cigars; she certainly wouldn't smoke 'em. But, you can never tell. That nurse is built just like George Martinek and I wouldn't put anything past her.

### TOUCHBALL SCHEDULE

for week of October 26

#### MONDAY

- 11:00 Frosh Co-ops #1 vs. Architects
- 1:00 Frosh Co-ops #2 vs. Frosh "Iron Men"
- 2:00 Senior Mechs vs. Soph. Juicers

#### TUESDAY

- 3:00 Junior Civils vs. Cicco Wizards

#### WEDNESDAY

- 11:00 Senior F.P.E. vs. Junior Mechs

#### THURSDAY

- 11:00 Senior Mechs vs. CH—MPS

#### FRIDAY

- 11:00 Soph. Mechs vs. 2A Co-ops
- 11:00 Frosh #1 vs. 3A Co-ops
- 2:00 Frosh #2 vs. Graduates
- 3:00 Soph. Chems vs. Frosh. Mechs

The need for a physical education program has long been realized at Illinois Institute of Technology but with the lack of all facilities except the gym on the fifth floor of the main building it has been almost impossible to organize compulsory physical education. The students themselves have been unresponsive toward any ideas of adoption of such a course so a tech student continued to acquire an excellent mental education while his health was impaired by lack of organized exercise.

This all came to an end when John Schommer, at the general assembly of Tuesday, October 20, explained the new physical education program to the students. In connection with the new program it was announced that the armory would be at our disposal from 4:00 to 6:30 in the afternoon for five days a week. With the acquisition of the armory the tech student has the long awaited equivalent of a field house. The armory can accommodate hundreds of students at a time and all facilities including lockers and showers are at the students' disposal.

The program as outlined is, starting with Monday, Oct. 26, 4 hours of gym per week in the armory and all reservists must take 5 hours of gym per week. The latter is an army and navy order that is designed to help condition future service men. The gymnasium on the fifth floor of the main building is to be open from 8 to 12 and from 2 to 3 for five days a week and the reserves are expected to use the gym at school for their classes. It is wise to keep in mind that this program is not an elective for the freshman and the reserves but is compulsory, so if you have not as yet signed up with Grant Stenger on the fifth floor do so immediately. All sophomores, juniors and seniors not in the reserves must not take this to mean that they cannot sign up for these classes because ALL of them are sincerely urged to try to take advantage of at least a few hours of gym per week if at all possible.

Some students have already asked as to what exceptions there are to be made. There are only two exceptions—either very poor physical condition so as to make it unwise to take exercise, and the other exception concerns those who are on one of the teams as boxing, wrestling or the like. But it must be kept in mind that no student is excepted from gym for a sport until practice for that sport is at hand and as soon as the season closes the student must report back to his gym class.

As for the administration of the program all students must realize that a close check will be kept on attendance and those who fail to abide by the rules will be dealt with severely. As for the reserves it is a military order and therefore they must adhere to it.

The equipment necessary for gym classes consists of an athletic shirt, gym shorts, gym shoes, socks, towel and lock. Students must have their equipment with them for the first session they attend.

There have been many inquiries as to the reason for such a program (see HEALTH page 8)



●Touchball

(continued from page 7)

and who was to play in the sundry available positions, the Mechs had Jackie Byrne all by his lonesome in the end zone. But the scoring had only begun. Everyone on the entire Mech squad countered at least once, with the exception of the two passers, Al Dambros and Pete Zemaitis. Comedy reached a new high as the Mechs crossed the goal on every kind of a pass play in the books.

One of their most consistent ground gainers was to give the ball to the Chems, then intercept on the first play for a sizeable gain. Fortunately the massacre was halted when the time ran out.

The Senior Juicers kept their winning streak intact by downing their sophomore counterparts in a close 16 to 6 battle. Rademacher, Clark, and McDonald again led the senior's drives, while Sheppard sparked the sophs in their attack which culminated on a pass from Sheppard to Schober in the end zone.

A Junior Mech team only six men strong forced the Senior Chems out of the running by whipping them by a 12 to 6 score. Kontos intercepted a pass in the first half and ran all the way to the 1 yard line before going out of bounds. Gallagher then passed to Sharris for the touchdown.

The Chems bounced back when a

pass from Dick Metcalfe was ineffectively blocked in the end zone, and fell into the outstretched arms of an aspiring senior. Ralph Arboe ran half the length of the field on the fine blocking of teammates Kontos and Angol to break the tie. Though both teams threatened continually in the second half, neither could muster the necessary punch to put another touchdown across.

A first period Parks to Shank pass opened the scoring for the Junior Civils in their successful battle with the Soph Chems. The game marked the opener for both teams, but hard charging by Parks and Young softened up the Chem's defense and they coasted to an easy victory.

The same battery combined to give the Civils their second score but this time Parks was on the receiving end by virtue of a leaping catch in the end zone. Parks then circled his end for the extra point to end the scoring. The potent blocking of Tim O'Leary was an important factor in the Civs 13-0 shut-out.

WANTED

The Technology News sports depleted by recent revisions, needs underclassmen as reporters. Positions are open for two sophomores and three freshmen, starting October 28. See the sports editor for further information.

Sports Editor

55 report for fistic practice

One of the largest turnouts of all time for any team at IIT is the proud boast of the wrestling and boxing teams. A total of 55 men reported to Coach Sonny Weissman for duty. From the looks of things these teams are going much better than average this season. The new material looks great and both teams have a good number of returning letter men. Don't get us wrong. There is still plenty of room for more new men. All the men this year will have equal opportunities to become members of the varsity squad because there is no freshman rule.

Practice sessions have already commenced in the Main Building gymnasium. Soon the team will go to the Armory and there will be subjected to strenuous conditioning exercises. Those who are interested are requested to see Mr. Weissman or one of the managers.

The new managers of the teams are Danny Workman and that inimitable personality Walter "Wally" Gow.

Returning letter men of the wrestling squad are: Captain Ed "Ozzie" Ozimek, "Wild Bill" Daley, "Sneaky" Bill Dunlap, Jack "Red" Eulitt, Harold "Little Boy" Hurvitz, Pete "Cowboy" Zematis, Al Glassgen, Don "Pepito" Mailhock, and "Strangler" Ernie Harrison.

●Tallies

(continued from page 7)

The two niftiest ball-carriers on Ogden Field last week were those midget Tom Harmons, Vince Haughey and Jim Hinde. . . . The wrestling and boxing team candidates were being prepped in a calisthenics drill last week, to prepare them as the new group leaders in physical education. . . .

Did any of you frosh know that our Dean Peebles was once a baseball star here at Armour back in 1903. . . . Ken Jacobs, senior mech, has on letters at Loras College for football and as once a star end at Fenwick High School, Oak Park back about 1936.

Oh! (Oh! OH!) I can feel the pain already. Why must we go to that Honor I pledge meeting late? Well, if the injuries are not too severe we'll be seeing you in the space again next week.

Returning boxers are those tough boys of the campus, Co-captains Le Roy Simpson and George "Cookie" Martinek. Chester "Errol Flynn" Swan, Bob "Die-Hard" Lukes, and "Rapid-Fire" Bob La Civita are also coming back. Non-letter men that are returning are Byron "Helen" Round and John "Commando" Range.

Well there they are. Look them up some time and admire the men of Tech with brains and brawn. They are a rarity around these here parts.

TOUCHBALL STANDINGS

	Won	Lost
Sr. Juicers.....	2	0
Soph. Civils.....	2	0
2A Co-ops.....	1	0
Jr. Civils.....	1	0
Sr. Mechs #2.....	1	0
Soph Mechs.....	1	0
CH—MPS.....	1	0
Cicco Wizards.....	1	0
Freshmen #2.....	1	0
Freshmen Co-op #2.....	1	0
Soph. Juicers.....	1	1
Sr. Mechs #1.....	1	1
Sr. F.P.E.....	1	1
Jr. Mechs.....	1	1
Sr. Civils.....	1	1

These are top teams of the 24 entered in tournament. Two losses disqualify a team. Senior and Junior Chems. are out.

●Health

(continued from page 7)

and we can site two excellent reasons for it. One, the physical condition of a large percentage of the students is very poor, but in most cases nothing so serious that organized physical education can not remedy. Secondly, the country needs men who are fit for anything whether they be in service or in industry. The government cannot afford to pass up any opportunity large or small to make our country stronger and thus hasten the day of victory.

**IN THE ARMY they say—**

**"BUBBLE DANCING"** for dish-washing

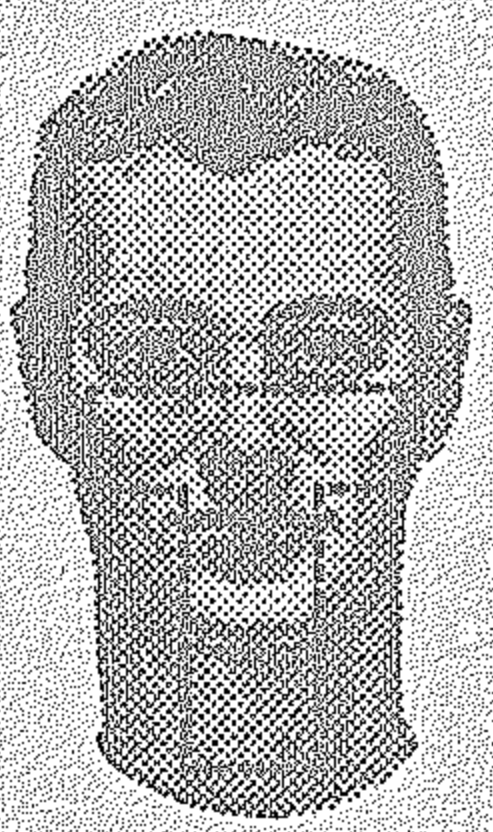
**"HASH MARK"** for service stripe

**"HIGH BALL"** for an extra snappy salute

**"CAMEL"** for their favorite cigarette

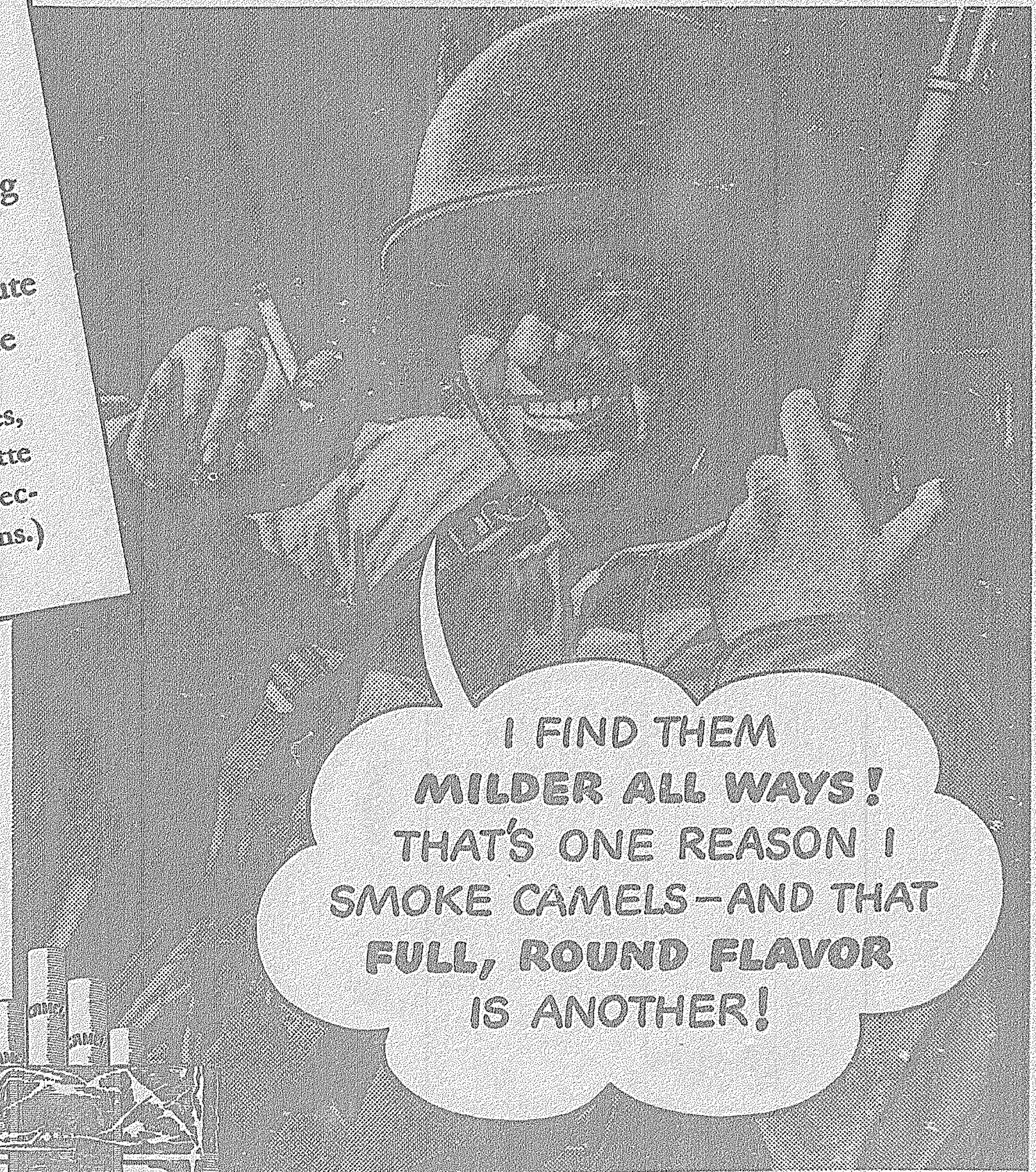
● With men in the Army, Navy, Marines, and Coast Guard, the favorite cigarette is Camel. (Based on actual sales records in Post Exchanges and Canteens.)

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