

TECHNOLOGY NEWS

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ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS

March 30, 1943

Sigma XI elects 18 new members

Nine full members and nine associate members have been elected to the Illinois Tech chapter of Sigma XI. This was announced by the membership committee after an election meeting held last Thursday.

All persons elected to full membership have proven themselves outstanding workers in their respective fields, and have established a noteworthy reputation among members of their professions.

Those elected to full membership are: Dr. Ralph E. Peck, Assistant Professor of chemical engineering; Dr. Rudolph Samuel, visiting professor of physics; Mr. Albert Gail, assistant professor of aeronautical engineering; Dr. Willis Blaine Catton, instructor in mathematics; Dr. Max Dehn, visiting professor in mathematics; Dr. George Whitelaw Mackey, instructor in mathematics; Dr. Francis J. Frere, analytical chemist; Dr. Isaac Opatowski, mechanical engineer; Mr. Harold John Holmquest, mechanical engineer.

The associated members elected to Sigma XI are, with one exception, graduate students who have shown definite promise in their chosen fields of research. The only recently elected undergraduate student is Robert Joseph Mahassek who in addition to high-scholastic achievement, has revealed the qualities of a research worker.

The graduates elected to associate memberships are: Kenneth A. Rees, department of chemical engineering; Ted Zie-

(See SIGMA XI on page 4)

Tech time table

Tuesday, March 30

- 2:00 p.m. ITSA. East Dining Room
- 2:00 p.m. Girls Glee Club. Apartment
- 5:30-6:30 p.m. Orchestra. Auditorium
- 7:30-10:30 p.m. A I Ch E smoker. Auditorium

Wednesday, March 31

- 5:30-6:45 p.m. Dance Club. Auditorium.

Thursday, April 1

- 5:00-6:30 p.m. Glee Club. Auditorium

Friday, April 2

- 9:30-11:00 a.m. Army-Navy Examinations

Saturday, April 3

- 8:30 p.m. Illinois Tech Hockey Hop. Lounge

**WATCH FOR TECH NEWS
ISSUE THIS THURSDAY
IMPORTANT NEWS
BREAKING**

Russian woman speaker at all school assembly

John Briggs, president of the Western Society of Engineers, has announced that IIT will have the privilege of hearing Mme. Nila Magidoff at a general assembly Friday, April 9, in the Auditorium.

Mme. Magidoff, a young and energetic representative of Russian womanhood, is the wife of NBC's correspondent in Moscow. At the outbreak of the German invasion of Russia Mme. Magidoff plunged into war work, serving as an air raid warden, making sand bag protections for buildings, and guarding rooftops from incendiary bombs. Most of her nights during the blitz against Moscow were spent in the subway air raid shelters. Because of the rule requiring the evacuation of wives and children of American correspondents abroad, Mme. Magidoff was obliged to come to this country, despite her desire to participate in the defense of her native land.

A tall, striking figure, Mme. Magidoff, has toured hundreds of cities as a speaker for Russian War Relief. She has spoken on the same platforms with former Ambassador Joseph E. Davies, Mme. Litvinov, Lady Marley, and many others. "This is my war work. She says, "It is my contribution to the joint ef-

forts of my own country and yours."

During a recent speech, she said, "You cannot imagine how hard our Russian women are working to win this war. Russian women are as feminine and as home-loving as women anywhere in the world, but they cannot stand aside from a war in which their own elementary rights as human beings and as women are threatened. They drive locomotives; they mine coal; they pilot ambulance planes; and devote their talents in a million ways to winning the war. Half of the surgeons at the front are women, and almost all the nurses go into the thick of battle to bring out the wounded under fire. Russian women do not serve in actual battles; but they are performing vital services in industry and medicine without which the Red Army could not have put up its splendid resistance."

"In Russia we had expected and prepared for this war for a long time. The day that fighting began, the Russian women were organized and ready. In this country, when war came to you, I do not think you recognized the gravity of the situation. But now every hour brings greater realization of the serious tasks ahead. Now you understand it is not play."

Gloves, whistles, caps for Pi Tau pledges

Pi Tau Sigma, national honorary society for mechanical engineers, pledged fifteen new members last week. These men were selected on the basis of outstanding scholarship and participation in school activities.

The new pledges are Robert Bontham, Frank Carqueville, Charles Rowbotham, James Carroll, Thomas Dunsheath, Earl Goldberger, Ernest Hedeon, Lowen Shearer, Jack Soderberg, Bert McClenaghan, Charles Farr, Markus Heidmann, Byron Round, Robert Schneller, and Robert W. Erikson.

Among the duties of the pledges are the wearing of an engineer's cap, gauntlet gloves, whistle, and red neckerchief. They must also carry a ten inch wrench and notebook with the history of Pi Tau Sigma, names of chapters, and list of active members. The pledges must blow a whistle and courteously ask for the signature of each active every day for two weeks, and faculty names every other day for two weeks. Pledges must also answer all questions about chapters and history of the fraternity.

Dr. Krathwohl stumps 'em all

Professor W. C. Krathwohl recently decided to see how much plane geometry the members of his math 102 class actually knew. He thereupon presented his students with a problem that any high-school math student should be able to solve. Naturally no one in the class could arrive at a solution.

Two of his students took the problem to the Technical Drawing Department where typical reactions were: "There's a solution, but I don't know how you get it," and "It can't be done without using parabolas." Several graduate students were similarly perplexed. It seemed that the only person who knew how to solve the problem was Dr. Krathwohl. Finally he enlightened his class with the solution.

When this brilliant piece of high-school mathematics was shown to the Technical Drawing Department, Professor Spencer stated that he may use the solution in the next edition of his book. The problem, a construction, involves the use of a theorem with which nobody except Dr. Krathwohl was familiar.

Total Navy V-12 program is known

Dr. Grinter attends welding conference

Dr. Linton C. Grinter, dean of the graduate school, attended a meeting held by the Stress Committee of the American Welding Society at Schenectady, New York. The main problem before the group was the elimination of internal stresses in welded structures. Dr. Grinter proposed that a new research program be set up to study forces in welded diaphragms, and invited the Navy's Model Testing Basin to cooperate with IIT in this undertaking. Lee Van Griffis, professor of civil engineering, is doing work along this line, utilizing a specially constructed machine which imposes three dimensional stresses. The machine applies simultaneous longitudinal load and internal pressure.

The processes which are now in use heat metals unevenly, causing shrinkage and warping in structures, thus creating internal stresses. This greatly reduces the effective load which may be applied. Improvements in welding techniques may do much to increase the torpedo-resisting qualities of our ships, and the overall strength of our weapons of war.

According to Dr. Grinter, inspection of German tanks has shown that it many cases, welding is of a poor grade. This is in direct contrast to the high quality of welding that has been applied on the tanks of the United States.

Dr. Clouse speaker at chemical society

Dr. Ruth Cowan Clouse, chairman of the department of home economics at Illinois Institute of Technology, was the featured speaker at a special meeting of the American Chemical Society of South Bend, Indiana, Wednesday night, March 24.

Her address on the topic, "Current Problems and Recent Research in Human Nutrition," was given before the St. Joseph section of the national society at its annual "ladies night" program.

A specialist in foods, Dr. Clouse discussed how the housewife can supplement rationed commodities with other foods to guarantee adequate meals. She also reviewed recent findings of experts on human dietary requirements.

Curricula allied to engineering

Examinations, qualifying students for the Navy's new V-12 program, will be given this month. The exams will be for those students who want to enter the reserve, as well as for those who are already in some other branch of the Navy program. Details of these exams are given below.

At first, there were three divisions in the Navy's reserve set-up. The V-1 program was for freshmen and sophomores who fulfilled the mental, physical, and age requirements. The upper classmen entered the V-5 or V-7 programs, one for training deck officers, the other for engineering officers. After the V-1 men had completed four semesters of college work, they were to take a test, given by the Navy. Upon passing this, they would be transferred into V-5 or V-7 according to their individual preferences.

However, last December, this set-up was changed, when the Army and Navy closed their ranks to enlistment. The two branches of the service each adopted a reserve training program. The Navy's is called V-12. The V-12 program provides for engineering training, not only for those boys who are already in college, but also for those who will graduate from high school. Any student not, at present, in some reserve, who enlists in the Navy training program will at once come under V-12. Those men who are now in V-1 or V-7 will be absorbed into V-12.

As mentioned above, students in the V-1 program were to take an examination at the end of their sophomore year; those who passed it would go into V-5 or V-7. This same procedure will be followed with one exception: men who pass the exam will be transferred into V-12. Thus, in time, everybody who is in the Naval Reserve training program will be in V-12.

IIT students who are at present enlisted in the V-1 program will take this test on Tuesday, April 20. Dr. Krathwohl will supervise the exam, sessions of which will be held both in the morning and afternoon. It is very important that all V-1 men take this examination, so that they may qualify for V-12.

This exam will take care of those who are already enlisted in some Navy program other than V-12. However, students who are not in any reserve program, and who are from 17 to 21, will also be eligible. (See NAVY on page 4)

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AMERICAN WAY!!

It gave us a feeling of great pleasure to see students and secretaries, professors and administrators, gathered together to forget their woes by singing the songs of their old fighting men. The "basso profundo" of the gray haired professor blended with the shrill soprano of the petite secretary; freshmen tenors and senior monotoners joined in singing their Alma Mater songs. This is the spirit of Illinois Tech.

Let's have more of this sort of thing. A day should be set aside each month as a "morale builder-upper," when all can remove themselves from the rigors of strict study and relax. Here at these festivals, the talents of the student body could be presented. Due to the war conditions and the accelerated programs we, the students of IIT, have had little, if any, chance to show school spirit. Athletic events have either been held behind closed doors or they simply didn't exist. Remarks have been made to the effect that the students didn't have the opportunity to show it.

The shot in the arm that Illinois Tech needed came last week when genial O. Gordon Erickson, director of the musical clubs, sponsored a songfest. All who attended will agree that this was one of the finest and most spirited affairs that has been seen on the campus in recent years. These monthly gatherings should be our pep meetings and our sports rallies for the duration until we can again "cheer for dear old IIT."

WICS hear Dr. Wang, industrial chemist

The WICS—Women's Industrial Chemistry Service—met Friday, March 26, at the Morrison Hotel, to hear one of the outstanding women in their profession.

Addressing this group of war-time industrial chemists was Dr. Chi Che Wang, chemist for a Chicago yeast factory and instructor in a war course in food analysis at Illinois Institute of Technology. Dr. Wang spoke on "Vitamins in Relation to Diet."

The WICS are composed of women who took war training in industrial chemistry at Illinois Tech, in the nation's first program to train women for specific, technical war jobs, and are now at work in war industry. The WICS invited their "sorority sisters," women still studying chemistry at the Institute and not yet full-fledged WICS, to the meeting.

Letters to the Editor

Dear Editor:

In regard to the Letter to the Editor of last week signed by Tony Lameika, I would like to clear up a few points which are to my knowledge doing the department a great injustice.

Upon investigation it was discovered that all drawing tests are standardized and are used at both Armour and Lewis. Before any exam is given it is possible for a student to know what to expect, as all the material is covered during the lectures and by the movies shown during the various scheduled periods. From this point of view the test seems very fair, to say the least.

To touch on the other angles, Mr. Lameika complained that the exam took too long and an hour was not enough to complete it. Yet, in the very next sentence he admitted that some other student finished and pulled a 98 who, as he stated, "disregarded quality." On these tests nothing is mentioned regarding quality, and as to why not, just imagine the kind of papers that would be handed in if this were made a point. Students that can do the work correctly during this short period of time know the fundamentals and are capable of doing the job accurately and neatly under other conditions, which I believe maintains "your high standard of drawing at all times."

Rumors regarding the additional grades on the normal distribution curve often gives lower grades than you think.

R. L. Ryan
Lewis Student

Heald, Peebles speak at soph class meeting

At a special class meeting last Friday; the sophomores were addressed by President Heald and Dean Peebles. President Heald spoke chiefly about the rush, and especially the pre-rush period. He pointed out that Chicagoans would be considerably astonished to see a group of the cadets stationed at the Stevens Hotel engaged in taking off one another's pants. The fact that engineering students do not wear uniforms does not mean that they play a less important part in the war effort than do the men who are in the armed services. We are here only because engineering training will enable us to make a maximum contribution to victory.

President Heald said that any of the usual brawls or mass riots are definitely out of place, and that he does not want to see anyone, freshman or sophomore, walking about the campus without his pants. He feels that the underclassmen have the courage to hold to this despite any goading by the superclassmen, who wish to be entertained in this manner.

Dean Peebles spoke briefly about the rush, and also said a few words about the educational opportunities being offered to boys today by the army and navy. The latter enables sophomores to complete from six to eight semesters of college work. He urged all boys to get in as much of their education as they could, since the war will mature them to such an extent that they will have a great deal of difficulty in ever coming back to school again.

RESEARCH Rifle training class in session

Dr. E. L. Hill visited the plant of the Olympia Chemical Division of the Liberty Glass Company at Barberton, Ohio, this past week.

Dr. C. O. Dohrenwend will speak on "New Developments in Strain Measurements" at the joint meeting of the Western Society of Engineers and the Chicago Section of the A. S. C. E. on April 5.

Mr. Joseph Sebok, an experimental engineer of the Houdaille-Hershey Corporation in Detroit, Michigan, spent several days at the Foundation last week.

Dr. Daniel Clark and Mr. W. R. Mehaffey have developed a new type of electro-magnetic strain gage to measure very large deflections with great precision. This gage will find many applications where the ordinary resistance type strain cannot be applied.

A new magna-flux unit, to aid in the inspection of materials which have been tested for fatigue and wear, has been added to the equipment of the engineering mechanics section and is being installed in the new Metals and Minerals Research Building. The unit operates by magnetizing the steel part to be inspected, and the actions of iron filings on the magnetized part reveal flaws which have developed during the test.

Recent visitors at the Foundation included:

Mr. C. B. Fox, of the Aluminum Company; Mr. A. K. Smalley, and Mr. R. F. Heller of Carpenter Steel Company in Kenilworth, New Jersey.

IIT's rifle training classes have started last week to train students in the art of rifle technique. The first lesson, given last Wednesday, consisted of safety rules while loading and shooting, familiarity with the rifle, and sighting practice. Starting with the second lesson, the student will be given actual shooting practice at the Armory.

Instruction for the course is under the supervision of Mr. Charles E. Martin, a member of the mechanical engineering department. He is assisted by Dr. J. F. Mangold, and also by six members of the rifle team. These student assistants are Joe Hind, Norman Carey, Ted Dumetz, Hugh Christian, Leonard Brown, and Hugh Newman.

The training classes consist of three groups, each of which meets from 2:30 to 4:30 once a week. Only eight men can be enrolled in each section, and as a result many students who wished to join the class could not be accommodated. After a six week training course, the rifle team will be given a War Service certificate, while the students of the training class will each receive an official National Rifle Association attendance certificate. Upon graduation of the rifle training classes, a shooting match will be held to determine the best marksman.

The rifle training course provides not only useful knowledge for the student, but also performs a service for the government.

Arch director finds freedom in America

Perhaps most IIT students know Ludwig Mies van der Rohe best as the architect of the recently completed Metals and Minerals Research Building. He is no doubt known better to the architect students, since he is director of the school of architecture at Tech. They probably know something of the interesting story behind his presence here in the United States.

As far back as 1937, Van der Rohe found that the harsh Nazi ideology was stifling his artistic creativeness. His studio was in Karlsbad-strasse, near the Reichs chancellery, and the very atmosphere was oppressive with the "Heil Hitler" which one heard everywhere.

Van der Rohe came to the United States, hoping to find here the freedom to teach and work which he sought. When President Heald offered him the position of director of the IIT school of architecture, he decided to make America his home. He has already taken out his first papers, and says, "I like America; I like its people; and I particularly like Chicago."

His students at the art institute soon dropped the formal Mr. Van der Rohe, and call him, familiarly, Mies. He has been director of the architectural school for five years. The plans for the new South Side campus, built after the war, represents only one of his many architectural successes.

GREEKS

Alpha Sigma Phi

Activities for the past week at Alpha Sigma Phi seems to have consisted principally of tubing. Fred Faulkner, Mike Coccia, and Rollo Lind were among those "gently" immersed at various times.

Brother Robert Erikson was recently pledged to Pi Tau Sigma and is sporting his engineer's outfit about the house.

The Mothers club sponsored a card and bunco party at the house last Friday evening. At the same time, a few of the boys had dates and danced in the ballroom to recorded music.

Rho Delta Rho

Joe Abrams, who left for Camp Custer last week, had been honored with a farewell party on Wednesday night at the Rho Delta Rho house. His leaving caused vacancies in the offices of treasurer, chairman of the House Committee, and chairman of the Budget and Planning Committee. Marvin Cohen has been elected as the new treasurer.

Alpha Chi Sigma

During the past week, Alpha Chi Sigma, professional chemical fraternity, pledged thirteen new members. From the South side campus the following men pledged: A. Earl Austin, Raymond Batina, Milton Burkart, Henry Dirksen, Gordon Fleischer, Ben Johnson, Ronald Lind, James Neighbor, Theodore Pilat, Earl Schlosser, and Raymond Shaw. The men who were pledged from the West side campus are Roger L. Veatch and Dr. M. L. Schultz.

The pledges will be formally initiated at the end of the pledge period, which will last about six weeks.

Pi Kappa Phi

A sweater dance was held at the Pi Kapp house last Friday night. All those attending were dazzled by the charm of one Dorothy Hanes, who, in addition to her attendance in the evening, ate supper with the fellows. It certainly was amusing to watch those work-weary men trying to eat, and keep track of her at the same time.

Leonard Ault and Tom Ruck were pledged to the fraternity during the past week.

The Pi Kapps met, saw, and defeated the champion Delt ping-pong team, three matches out of four, last Wednesday night. All four games were hard fought and the score was very close. The players were encouraged by a sizable cheering section from both houses.

Triangle

Triangle reports with regret the loss of two of its members. Bob Cwiak departed for the Army Air Corps Tuesday, March 16; and Douglas Leavenworth, though he has not left as yet, withdrew from school Monday and said goodbye to all his friends. Doug leaves Saturday for Mississippi. Triangle will surely miss these two men and

Aviation cadet Charles Wallace surprised everyone by coming to the house unexpected last Wednesday afternoon. Chuck is on furlough and had many experiences to relate after three months in the Army Air Corps as a meteorology student.

Lake Forest opener spurs nine's efforts

By Ted Anderson

In just about two weeks Tech will play their opening game of the coming baseball campaign. In this contest with Lake Forest, they will attempt to average last year's opening day defeat at the hands of the same team by a 3-2 score.

Out of some fifty men that have reported for practice Coach "Sonny" Weissman will pick a squad of eighteen to carry the Techawk banner through the season. Besides manager Mike Coccia, only four men are returning from last year's hard hitting outfit. They are captain Al Dambros, ace pitcher; Jack Byrne, first baseman; and Joe Gleason and Warren Furst, outfielders. With the accelerated program and the call to colors of most of the reserves taking five or six regulars, most of the positions are still open to anyone who can lay claim to them thru their baseball playing ability.



Coach Weissman is looking especially for hard hitters, since most of last year's batting strength has disappeared due to the above mentioned conditions.

Outdoor practice began yesterday and with cutting to begin late in the week, this represents the last chance for any late comers to try out. Hitting will be the point stressed most in the workouts to be held this week.

Schedule games with Navy

Besides the opener with Lake Forest, Tech will meet Navy Pier, 87th St., Chicago, Concordia, Wheaton and Navy (U of C). Return games will be played with all of these teams, so that about sixteen or seventeen contests will be played across the season. This total represents several games not yet definitely booked.

This year due to conditions brought about by the war the team will make no extended trips to Michigan or Wisconsin as has been done in the past. But we will still have plenty of competition with the rosters of the Navy teams showing several former professional players.

It will take some fine playing and a lot of fight to better last year's record of 9 won and 4 lost. Much of this playing and fighting must come from the new men out for the team.

New men show promise

Those showing most promise in the fight for infield spots so far are Krause, Johnson, Schmidt, Pyke, Lichten, Maihock and Haughey. In the outfield those vying for the open spots are Puchalski, Wuenn, and Kontos. For the battery positions it seems to be between Fanz, Melgard and Schaefer for catcher, and Londergan, Gavin, Brown, and Oldshue for the pitching spots.

Golfers meet N.U. April 22

Northwestern university has accepted the challenge of Coach Sam Bibb to meet IIT in a golf match. The match has been scheduled on the Glen Oaks fairways April 22. A match also has been arranged with the University of Chicago for April 15 at Olympia Fields. Michigan State college has accepted tentatively a challenge from IIT for a match sometime in May.

During the past week those aspirants for berths on the team have been using the repaired nets in the fifth floor gym to work out and get in shape. Anyone may use these facilities after four o'clock.

All persons interested in playing golf for Tech should see Coach Bibb or manager Harry Gillespie. The procedure is as follows: play a round of golf between now and April 5, have the score card signed by someone who has played the entire 18 holes with you and then turn in the scores to Coach Bibb or Harry Gillespie on Monday, April 5. In order to be eligible for the University of Chicago match it is necessary that the score card be turned in no later than April 8.

A turnout of freshmen is expected inasmuch as there is no rule prohibiting them from engaging in inter-collegiate sporting events this year.

Six hundred frosh and reserves train

Over six hundred IIT men under the direction of Coach Stenger are taking physical education within the walls of the Armory at 34th and Wentworth. These six hundred are comprised of reservists and Freshmen. This training in addition to developing the bodies of the men, also gives them some ideas about military drilling. With the uncertain times prevailing, everyone must be prepared to meet any possible eventuality. A person with some conception of facing, marching, and drilling would be a jump ahead of the next fellow in an army camp. The Stenger men are given this fundamental drilling along with regular calisthenics and other exercises that are a part of the physical education program.

The past week fifty-two reservists who were taking part in this program were called to active duty. Among these men were those who had distinguished themselves as squad leaders under this program. In this group are Lawrence Neikrug, J. Burak, Robert Cwiak, Frank Greenberg, Llewellyn Rowe, John Hayes, Roger Long, Herbert Winter, William Weprin, and Sidney Mayster. These men, in assisting Stenger in drilling, gained valuable experience in leadership which will greatly assist them in becoming officers. Coach Stenger extends a word of praise to these men, possible military leaders of the future.

STARS IN SERVICE

CLINT FRANK.
UNANIMOUS CHOICE FOR ALL-AMERICA BACK IN 1937.

CLINT'S RIGHT ARM GAVE YALE ITS GREATEST AIR ATTACK. — NOW HE'S A CAPTAIN IN THE ARMY AIR CORPS AND IS WITH GENERAL DOOLITTLE'S COMMAND IN AFRICA!

MAKE YOUR DOLLARS FLY FOR UNCLE SAM! BUY MORE AND MORE WAR BONDS!

WSS 757 B U. S. Treasury Dept.

"TECH HAWK TALK"

by BACKAS

A few more dry and sunny days and the campus will again be buzzing with sports activity. A few of the heartier individuals have already braved the mud of Ogden Field to toss a ball around. Intramural baseball will commence in a couple of weeks but as yet only one entry has been turned in and that one by the architects. Intramural manager Cliff Oliver warns that entries must be in by tomorrow, March 31. There is no limit on freshmen teams but all others years must enter only one team per department. Get your teams organized now!

In previous years, even though they have not been officially accepted by the school, six and eleven men football teams have flourished on the campus in early fall. They have scheduled games with neighboring schools and won a good percentage of those they have played. This team, in spite of the lack of equipment and coaches, has shown great promise.

The fellows who have been interested in football for IIT are planning to start spring training April 19. They say that this training will be as good as any physical education that could be given. They give examples of the Navy Pre-flight schools which emphasize football training. This, they say, is the right way to get in physical fitness for any and all emergencies of the near future.

In curiosity of the possibilities of such a team becoming a major sport on the campus, I have snooped around and found that amazingly there are quite a few boys on these premises who have either had previous football training or who show a desire for such a team. We have some big boys at IIT that would give Tech a forward wall that would average upwards of 205 pounds. Boys like Al Purzycki, 235; Pete Polland, 210; Dan Gengo, 230; Butch Werninghaus, 210; Jack Postl, 235; Gordon Juhl, 210; and Chet Swan, 190 would be a nucleus of this squad. Others who have played the game in high school are Moe Bell, Wally Gow, Tom Kilgariff, Buzz Hillman the Co-op flash of touch football fame, George Martinek, Dick Gilbert, Casey Puchalski, Roy Sundburg, Henry Pype and Ray Batina. Freshmen who have played before are Dan Passarella, Harold Rathbone, Frank Repsold, Dick Roeing, Jack Schuler, Leonard Wolpoff, Irv Zisook, John Capron, George Kamaroff, Irving Kornfeld, Bob Lichtman, Gunder Lien, Don Magnuson Harvey Marder, Lowell Mason, Warren Melgaard, Ralph Olson and Ralph Muslin. This list could go on a few more lines but it shows evidence of material that many have thought didn't exist. Any who would be interested in a Techawk football team should see either Wally Gow or Moe Bell for further facts on the subject. Teams that would comprise our schedule are those in the Chicago district. This is food for thought.

Coach Wilbur T. Rinehart of the track team is looking for a pole vaulter. Anyone who has ever indulged in this gentle art should see him or Manager John Reissenweber right away. If a man isn't found for this place on the team, it will mean that we will have to forfeit the event every meet.

Plans for Junior Week are rapidly taking shape. The Junior Marshalls are planning a baseball game between students and a faculty squad. This contest will be a sight for sore eyes. I don't think they will last more than two innings.

Again may I remind you of the Hockey Hop this Saturday. The boys have prepared an entertaining evening. Tickets may be purchased from any of the team's members for a nominal ninety-cent fee. Cheap at twice the price. Give these fellows the support they deserve. Until then, don't forget to get your intramural baseball teams org-nized.

Chem bowlers lead race as Civils stagger

In the closest match of the current bowling tournament the lordly Junior Civils bowed to a fiery Freshman five. The Frosh whipped up a hot series and nosed out the Civils by three pins to give them their first loss. Anchor man Don Maihock suffered a split in the last frame. A spare would have saved the Juniors' record.

Climbing into the league lead, the Junior Chems showing marks of improvement, trounced the 5A Co-ops. Al Petronis, high point of last year, finally hit his 200 game in their tournament by bettering this mark by three pins.

The Soph Mechs continued their undefeated status by virtue of a win over the 4A Co-ops who were eliminated by this loss. Jimmy Quinlan of the Mechs rolled a 209, high game to spark his team's victory.

Harry Schraeder's 214 game helped the Co-ops to win the first game but the team couldn't back him up for the rest of the series.

Standings of the four highest teams are as follows:

	Won	Lost
Junior Chems	4	0
Soph Mechs	3	0
Juniors Civils	4	1
Freshmen	2	1

Trackmen run in Central AAU meet

Illinois Tech's thin clads took to the cinder paths last Saturday night in the indoor championships of the Central A.A.U. meet at the University of Chicago fieldhouse.

Competition was furnished by teams from Northwestern, Chicago, DeKalb Teachers, North Central, Loyola, several junior college teams and other former track stars who competed in the meet unattached.

Coach Rinehart entered the following track men in the meet: Bill Cooley—60 yard dash and 300 yard run; Bob Anschicks, 600 yard run; Jack Haberkorn, 1000 yard run; Bill Parks, high jump; Earl Mills and Ernie Harrison, broad jump; and Chet Swan and Al Purzycki in the shot put. Captain Ed Johnston was not able to run because he is recuperating from an illness that kept him out of school last week. Some of the other trackmen are just beginning to get in shape and they will be called upon to do their best in the meets of the near future.

One novel feature of this track competition was the length of the distance runs. In place of the usual 220, 440 and 680 yard runs, the various track stars ran the 300, 600 and 1000 yard runs. Another unusual event was the one-mile walk, in which Tech did not have any entrants. As we go to press, results of this meet are not obtainable and so they will be included in next week's issue.

Gas Institute

Mr. Charles F. Turner, chief chemist of the East Ohio Gas Company, recently visited the Institute of Gas Technology and delivered two lectures on the natural gas industry. Mr. Turner's talks to the research staff and student group were very informative and covered various natural gas problems.

Dr. F. W. Sullivan, Jr., technical director, recently returned from a trip to the East coast, spoke to the Western Society of Engineers at the society's rooms in Chicago on March 22. He discussed the organization of the Gas Institute, its objectives and current undertakings.

Lewis H. Mahoney, Jr., and Robert S. Levine, top men of the chemical engineering class at the University of Colorado and Iowa State College, respectively, are the first arrivals of the group of fellows who have been appointed for the year 1943-44. These men, who recently were graduated by their schools on the accelerated program, have joined the research staff of the Gas Institute to work as full-time assistants until June, when, along with the other appointees, they will go out for employment-training in companies of the gas industry.

● NAVY schedules

20 years old, may enlist in the V-12 program. To do this, they must take an exam which will be given on Friday, April 2. This is not to be confused with the test for V-1 men on April 20. The one on Friday will test general intelligence and engineering aptitude. Students, who desire to enlist in V-12, must take, in addition to this mental exam, a physical at a later date.

Many of the details of the new V-12 program are known, and it is fairly certain that the plan, as outlined at the present, will not be changed very much. The curricula to be followed resembles closely the mechanical, civil, and electrical engineering courses which are regularly given at IIT. However, it is believed that students who are in engineering curricula other than those mentioned above, will not have to change to one of these three, but may continue in their chosen branch of engineering. Under V-12, students will get four, six, or eight semesters of engineering training, depending upon various factors. It has not yet been decided definitely whether the Institute will give full engineering degrees to those men who complete the eight semesters of training, but Dean Peebles expressed the belief that since the Navy courses are very simi-

● Sigma Xi

linski, department of mechanics; Phillip Rosenberg, department of mechanical engineering; Dale D. Doerr, department of civil engineering; Arnold G. Meister, department of physics; Dwight T. Hamilton, department of physics; Sam Brooks McLane Jr., department of physics, and John R. Coley, department of chemical engineering.

All new members will be formally initiated at a dinner meeting to be held Wednesday, April 14, 1943 at the Student Union building. Following the dinner, Dr. Henry Eyring, professor of chemistry, of Princeton University, will deliver a lecture on "The Drift Toward Equilibrium."

Faculty members, students, and the general public are invited to attend. Admission to the lecture is free, and dinner reservations may be obtained from Dr. George Zeigler, if placed before Monday, April 12, at \$1.25 per person.

lar to the ordinary curricula, degrees will probably be conferred.

Students will enter the V-12 plan as apprentice seamen and will receive the regular pay of \$50. They will be under the supervision of the Navy and subject to Navy regulations.

MAN OF THE WEEK

As one of the true representatives of the junior class, Timothy J. O'Leary stands out because of his wide range of activities. Joe, as he is known to friends, came to Armour from Quigley Preparatory Seminary, where he starred in basketball and swimming. In his freshmen year here he won a letter in basketball.

His interest and spirit in class government qualified him for the vice-presidency of the junior class. In this capacity he was able to lend a hand in the recent Techawk War Dance held at the Morrison Hotel.

Tim is now secretary of the Illinois Tech chapter of the ASCE. The civils recently honored him as their Junior Marshal. He is a student assistant in civil engineering, serves as one of the freshman advisors, is a member of the Student War Council, and was recently appointed head of the referees.

His favorite hobby is Miss Rita Barry. Dancing takes up some of the time he has allotted for writing reports. It can be said that Tim has kept the junior civils at the top in class leadership.



Tim O'Leary

Last January Tim was chosen to the Honor Board as the delegate from the civil engineering department. The members of the board have elected him chairman of the Honor System.

All freshmen are requested to turn in their "information questionnaires" to the Dean's office. A list of those who have not already done so can be found on the Freshmen bulletin board. This is needed to begin scheduling interviews.

IN THE TANK FORCES

they say:

"IRON HORSES"
for tanks

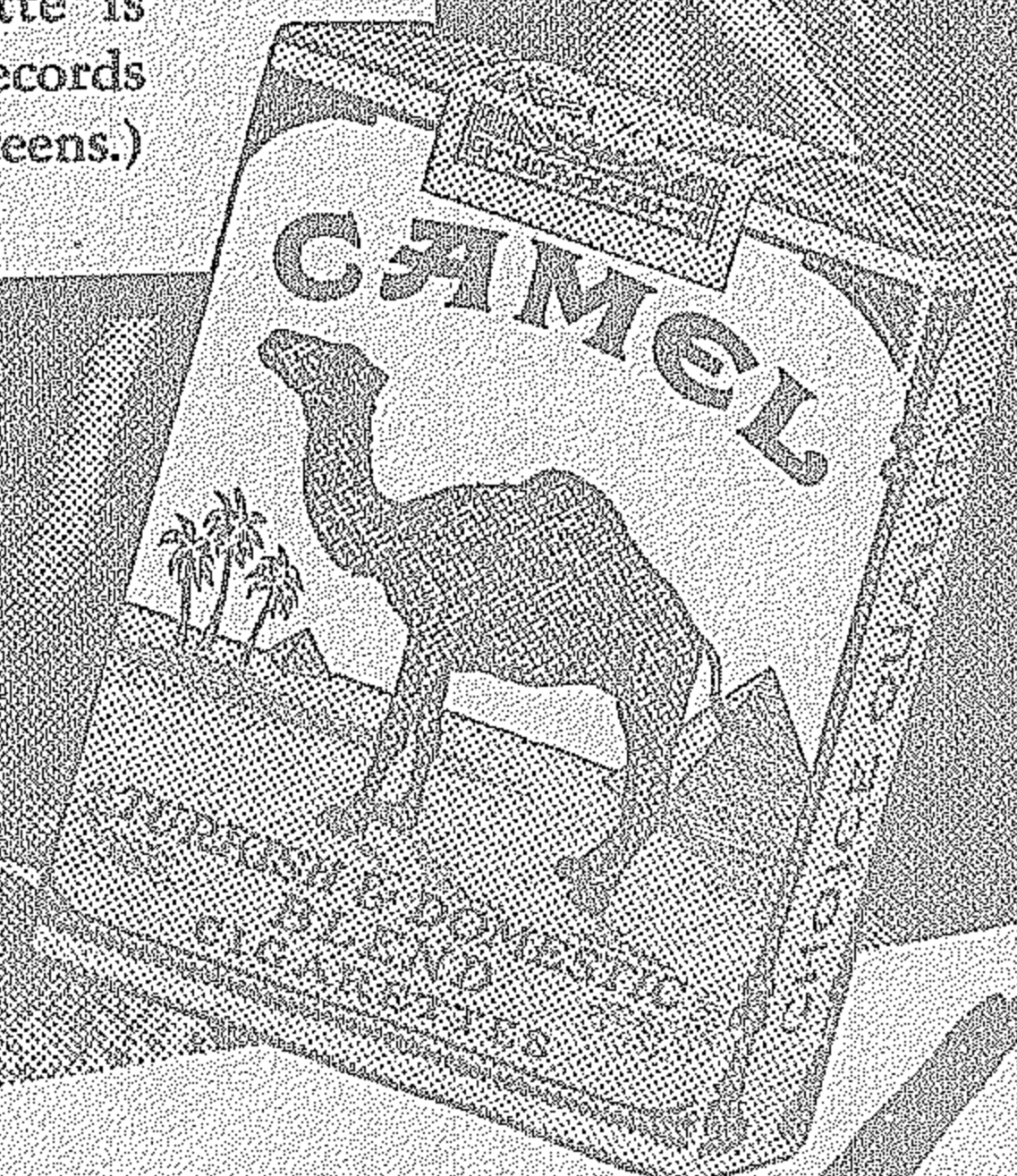
"GEAR HAPPY"
for shifting gears too often

"THIN SKINS"
for unarmored trucks

"CAMEL"
for the service man's favorite cigarette

FIRST IN THE SERVICE

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

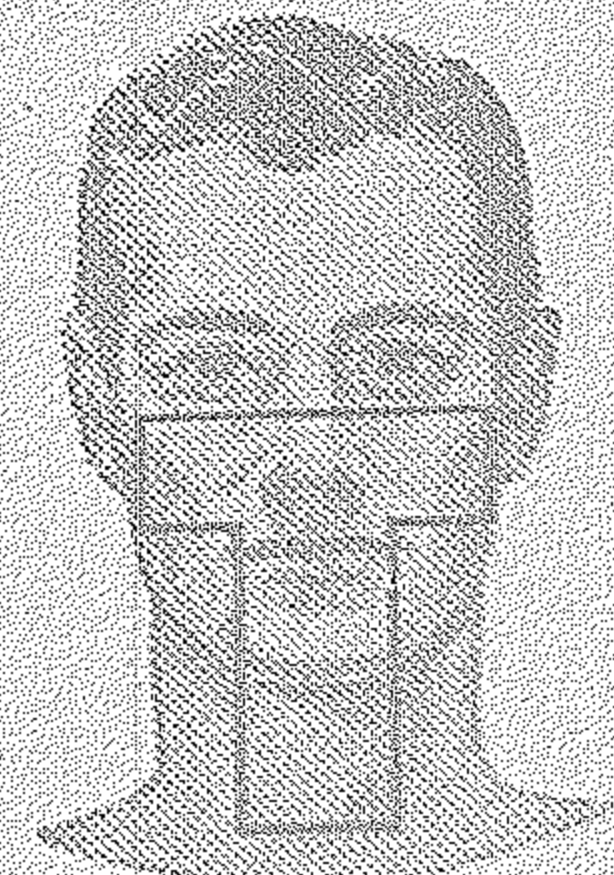


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The "T-ZONE"—Taste and Throat—is the proving ground for cigarettes. Only *your* taste and throat can decide which cigarette tastes best to you...and how it affects your throat. For your taste and throat are absolutely individual to you. Based on the experience of millions of smokers, we believe Camels will suit your "T-ZONE" to a "T." Prove it for yourself!



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