

SIX Navy Students Will Join ITSA

Navy men will be given a chance to join the ITSA next Saturday morning as they pass through the pay line, announced DeWitt Pickens, who is in charge of the collection of activity fees from Navy students.

The payment of a one dollar fee will entitle the men to the same privileges as the civilian students enjoy. The fee is approximately one-third of the assessment levied against civilian students. Each man who joins will receive an ITSA membership card.

"The ITSA board feels that the Navy men are as much a part of the student body as civilians, they should share the burden of the student activities," said Pickens.

All student activities are sponsored by the ITSA. The coming Navy Ball and *Technology News* are supported by the organization. Phonograph records, maintenance of the equipment for the lunchroom music, functions of the dance club, all-student assemblies, and many other activities are under the control of the board.

FPES Will Not Give Keys To Members As Planned

At Friday's meeting of the Professional Fire Protecting Engineering Society it was announced that no keys will be given to the members as was previously planned.

This meeting was the second this semester, there having been a previous meeting in the latter part of February when a smoker was given. At this smoker a guest speaker, H. B. Michels, director of crime protection at the underwriters laboratories, spoke on a selected subject.

The FPES, which at present has 15 members, has become active again after a period of inactivity during which the society existed in name only.

Navy V-12 Insurance Has Reached Grand Total of \$4,297,000

The United States is betting over four million dollars on the lives of the Navy men at IIT. Insurance policies taken out by the 431 trainees and 17 ship's company total \$4,297,000.

The upkeep on this insurance costs the men of the unit about \$2,250 a month, the premiums being deducted from the pay of the men.

A navy man may take out a maximum of \$10,000 insurance or less. There is only one man in the unit who has not signed for insurance.

The men in Quarters 1 value their lives more highly than all other trainees. The men of this house are insured for an average of \$9,950.

To show how dangerously they live, the men of Quarters 5 value themselves only to the extent of \$9,300 a head. Interestingly enough, ship's company is insured for this amount.

Former Member of ARF Invents New Micro-Grid

A new process for engraving micro-grids on metals at 500 lines per inch has recently been developed by Mr. C. P. O'Haven, formerly of the Armour Research Foundation.

A micro-grid is a device used to measure surface phenomena in the straining of metals. As the number of lines per inch is increased, the accuracy of the work increases.

Previous to Mr. O'Haven's development, 200 lines per inch was considered the maximum possible, and 20 lines per inch was the standard in most laboratory work.

The process is applicable to zinc, brass, steel, and copper. After being sensitized, a contact print is made on the metal in a manner similar to contact printing in photography. The grid pattern is developed after printing.

X-Ray Lab



NEW EQUIPMENT—Dr. Bickel shows new X-Ray laboratory.

A/S Seegar Is Head Of Alpha Phi Omega

A/S John Seegar was elected president of the IIT Alpha Phi Omega pledge chapter on April 20. The continuation of elections gave the following results:

A/S A. KukralVice-President
A/S G. GumbardSecretary
R. AngermanTreasurer
A/S T. RiceHistorian
R. StarkAlumni Secretary
A/S R. FriesSergeant-at-Arms

The next business was the appointment of faculty advisors. Because five advisors are required by the national chapter, Prof. J. J. Schommer, Dean C. A. Tibbals, Prof. S. E. Winston, Prof. J. C. Penn, Prof. C. O. Harris, and Prof. G. Gibson were suggested as possibilities. Also suggested as advisor were Sp/1c C. L. Richards and Sp/2c Albert Mayer of ships company of the IIT Navy V-12 Unit.

At least two scouting advisors are required by the national chapter. John Troike, District Manager of the Southwest District, and Schiller Colberg have agreed to be scouting advisors for the IIT Chapter.

Installation of X-Ray Laboratory Is Rapidly Nearing Completion

The installation of a new X-ray laboratory in the fourth floor of Chapin Hall was recently announced by Dr. Edward Bickel, chemistry professor. The equipment, valued at \$6,000 consists of a General Electric X-ray diffraction unit, and a unit which was built in the laboratory.

IFC Dance Features Bill Rother June 2

The date of the Inter-fraternity Dance has been definitely set for June 2. Tom Ruck, head of IFC, said that with the sale of 100 bids the dance is financially clear. The dance will be held at the M and M Club in the Merchandise Mart with the ten-piece band of Bill Rother and vocalist furnishing the music.

Even though the required number of bids have been sold, they will continue on sale until the date of the dance. The dance is open to all members and pledges of fraternities, as well. Bids cost \$3.50 apiece. Ruck pointed out that the affair offers an excellent opportunity to become acquainted with members of other fraternities and sororities on both campuses.

The Inter - fraternity baseball schedule will continue this week. Since all games of last week were called because of bad weather, those games scheduled for last week will have to be played on some night other than Thursday night. They are to be played off before the end of the tournament. The schedule is posted in the S.U. lobby.

There will be a meeting of the IFC tomorrow night at 5:00 p.m. in 105-C.

X-rays are used to study the size, shape and arrangement of atoms and molecules. The structure of objects hundreds of times smaller than those studied by the electron microscope may be determined.

These rays, which cannot be focused, are passed through a collimating lens and made into a parallel beam. An object to be studied is then placed in the path of the beam. The manner in which the object scatters the beam determines the structure of the material.

X-rays play an important part in the study of plastics, textiles, proteins, human body structure and metallurgy. The laboratory is being used for institute research and is also available for industrially sponsored projects.

ARF Committee to Plan New Building

The Armour Research Foundation has formed a committee to work with the architect on plans for the Foundation Administration Building. The building will be constructed on the ground now occupied by the Mecca Apartments at 34th and State St. as soon as this area becomes available.

The committee includes William M. Hammond, Martin H. Heeren, Russel J. Tinkham, Francis Godwin and Edward Harris.

The purpose of the committee will be to insure the new building being one which will incorporate workability and modern practical features directly connected with its varied uses and equipment, as well as an attractive and interesting appearance.

ITV Hears World War II Group Representatives

The IT Vets meeting last Friday featured talks by two representatives of the American Veterans' Committee. The committee is a new organization for men and women of World War II.

Ed Wood and Bert Wax, the two representatives, spoke alternately and explained the principles and scope of the AVC. The ITV members were free to ask questions. They can join the organization individually.

The AVC was begun in January 1943 and most of its members, active and potential, are still in the service. It has chapters all over the United States, and a representative has been invited to the San Francisco peace conference.

NAVAL NOTATIONS

Quarters #1

The quarters cat is, at last, a mother. The blessed event happened last week as the homeless black feline, practically turning the quarters upside down, gave birth to four bedraggled kittens. Though they probably won't like water at all, the kittens entered the world in true navy style—their individual entrances duly logged in on the quarters log.

Athletic specialists should be pleased to note that the fellows are taking an interest in their work. In order to supplement their PT workouts, the fellows in Room 206 hold a wrestling match every night. A half hour or so of bouncing each other off the walls and floor is supposed to make them sleepy but by that time the boys in 106 are ready to take them on, for blood!

Quarters #2

Stan Cervenka is the bane of Room 301 because of his dreams that are wired for sound. Singing songs complete with a chorus and several verses while sleeping was had enough but last week he sat up in the sack to say, "Gee, I'm scratching her back."

The highest score in this quarters in the PT test was attained by John Gilman who came through with a mighty 77.

Two-thirds of Quarters #2 musters at Comiskey park on the afternoons the White Sox are in town. Some of the men are contemplating doing bust lab reports in the bleachers.

Quarters #3

Arthur Eger, Quarters #3 alumnus of a semester ago, stopped by last Wednesday evening. Art had adopted the quarters canine at the time of his departure and had a bit of news about her. F.O. it seems, became the mother of nine healthy pups—most of which strongly resembled Salty, the Quarters #5

Quarters #4

John Marshall Graham, III, once more distinguished himself by getting the lowest PT score in the unit. Some puzzled seamen hold that the standard size sack he sleeps in cramps his muscles—rendering him incapable of heavy exertion. Others feel that the mammoth slide rule he carried at one time threw his muscular system out of balance, preventing any attempts at coordination in exercise.

Bad news come knocking at the quarters door last week. Donald Norton is leaving. Don will probably report to California and a new assignment—Tokyo bound.

Quarters #5

All trainees who wish to improve their dancing technique have but to see Marty Givot and Ray Winkler. Those two are the smoothest couple.

Marty was talking to his girl (on the phone) the other night when in walked Whit Pearson. Whit immediately caught the situation, so he proceeded to take the receiver from Marty and say, "This is my birthday and I'm going to have fun on my birthday." Poor Whit deserved fun on his birthday, because the boys had spoiled the night before by asking him to get out.

Eddie Bell is solicitous about the welfare of his study room inmates. Therefore, after a brief opening ceremony, Ed baptized his roommates thoroughly. They can now claim to have seen duty over water.

Quarters #6

Jack Scaggs may now be known as "Black Belly" Scaggs. Seems he played a key part in the strength feat of Chester Sarzola, who claimed he could life three men single handed. Those are kind of things one has to stomach in life, Jack—scheming treachery, and even black shoe polish.

Sam Lloyd and Fred McCarthy paid their old quarters visits during

the week. Both of the fellows are entering training schools. Sam will be stationed at Wright Junior College.

The continued graciousness of Mrs. Abbott, next door neighbor brings thanks from the quarters. This time the men of Quarters #5 shared six boxes of chocolate candy.

Quarters #7

Joseph "Whitey" Hassler celebrated his twenty-fourth birthday last Sunday with a party on the south side. The party, it is reported, went over with a bang, and so did Whitey, three hours after it started. Gentleman Jim Hartnett was bartender and his experiments succeeded in making everyone happy.

Frank Pasek also had a party, to which he invited as sponges Herb Schnabel, Bob Hauser and Leonard Reed. They played the part well, soaking up the major part of the refreshments. Leonard overestimated his capacity and was wrung out several times. He returned under Herb's guiding hand, and went to bed to sleep for 16 hours.

Quarters #8

Bob Schrotzberger returned from the hospital Friday, where he underwent an appendectomy.

All hands had the experience of a "pleasant" awakening this last week accompanied by the "soothing" voice of George Marzeck. Everyone seems to agree that if volume means anything, George is going to the top of the ladder and all the men of Quarters #7 wish him much success in "greener pastures." George incidentally, has been branded "eager" by his "shipmates" since he started having the watch wake him every morning at 5:30 in order to be sure to make morning calisthenics on time.

Art Larson, and alumni of Quarters #7, visited his old "home" last Friday while on leave.

TECH TIME TABLE	
All items appearing in Tech Time Table will be those which are scheduled with Dean Tibbals. No other items will be used.	
MONDAY, April 30	IVCF—5:00 p.m., AH
TUESDAY, May 1	IFC—5:00 p.m., 105C
WEDNESDAY, May 2	Math Club—11:00 a.m., 111C
FRIDAY, May 4	ASME—11:00 a.m., 305M
	Rifle Club Party—7:15 p.m., Rifle Range

