

TECH NEWS



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WORCESTER, MASS., TUESDAY, MARCH 22, 1938

No. 20

Prof. J. Anton de Haas Speaks In Fuller Lecture Wednesday On Sino-Japanese Situation

Industrial Status of Japan Is Poor; Leading Cities Give False Picture

FAILURE IMMINENT

United States Helpless to Act; Opportunity For Firm Stand Has Gone

Professor J. Anton de Haas, professor of International Relationships at Harvard Graduate School of Business Administration, laid bare the real Japan of today, as the speaker at the sixth Fuller lecture last Wednesday. In his own inimitable manner, he presented a simple, yet quite complete, picture of the situation in the far east today. Most important, Professor de Haas pointed out that Japan cannot possibly take over China as she has been attempting to in the last year.

The civilization of Japan, said Professor Haas, is only a "vener," which may easily be scratched to show the same old Japan that has existed for centuries. The reason for this is that the leaders, to bring Japan on a level with the great western countries have taken the latest methods of living and super-imposed it on the country, although the country was by no means ready for it. In the cities one may find a parallel to our western cities, but in the country side, although one finds radios, electric lights, and telephones, the people are far behind the developments in the cities. The civilization we have here and in Europe came gradually, especially during the last century, in the "industrial revolution." This sudden super-position of modernity is choking the "Small Man" in Japan. The majority of national industry is either individual or at best "family labor", done by small groups of five and ten men in a shop. All the money is owned by the government, the banks, or the four big families in Japan.

Professor de Haas reviewed the industrial situation in Japan, the real reason for the invasion of China. He told how the population is rapidly increasing at about the rate of one million more each year. Those people must be fed, and there lies Japan's greatest problem. With such a large population, and most of them crowded into the cities, there is not enough food in the country to feed them. It is therefore necessary to import their food and raw materials for industry. If they wish to pay for these materials, they must export and sell their industrial products. People wonder, incidentally, said Professor de Haas, why the Japanese can undersell other countries, especially with the added cost of transportation. He explained how the Japanese firms dispense with most of the "executive" help we consider necessary. He cited one instance, a shop employing 5,000, where two men and fifteen girls were the entire office staff and executive department.

Nevertheless, said Professor de Haas, their economical structure was basically (Continued on Page 2, Col. 4)

Lecturer Urges U. S. To Join World League

Dr. Onderdonk Illustrates Talk With Movies On World Affairs

At the last meeting of the Emergency Peace Campaign in Dean Hall Wednesday night, March 16, Dr. Onderdonk, the lecturer of the evening and nationally known authority on world problems, stated that the only way in which the United States can promote world peace is to join the League of Nations. Since the League was founded after the close of the World War, it has settled several international disputes which would almost inevitably have ended in war but for the League's prompt and efficient action. "The only reason the League failed in the Italo-Ethiopian crisis," said Dr. Onderdonk, "was because it's economic sanctions were not adhered to by the United States."

Dr. Onderdonk further stated that the League is a going concern and is (Continued on Page 4, Col. 3)

Dean Attends Conference At Pingry School

Meeting Promoted to Assist Students in Choosing Of Colleges

Dean Howe has recently returned from a conference of directors of admissions held at the Pingry School, a large Day Academy in northern New Jersey. The conference was attended by representatives from sixty colleges located throughout the eastern half of the country. It was arranged for the purpose of facilitating the meeting of the large group of secondary school students in that locale with the personal representatives of the colleges in which they are interested.

Activities at the conference included a dinner tendered the representatives on Friday, March 4, and the conference proper on the following day. Ten thousand boys in the surrounding neighborhood were invited to attend and discuss their college problems with the various directors. Unfortunately, the weather on Saturday, the day set aside for these interviews, was inclement, and the group of students who responded was not so large as it might otherwise have been. Commenting on the not entirely satisfactory outcome of the conference, Dean Howe expressed his preference for visiting selected secondary schools personally in order to contact students who are interested in attending W. P. I. next year. The making of such visits constitutes a large part of his work at the present time.

"Good Enough Is Not Enough" Asserts Prexy

Theme For Chapel Talk Last Monday Paralleled With Naval Progress

President Earl's Chapel Talk for Monday, March 14, 1938.

Forty-nine years ago tomorrow three of our Navy's largest ships and three German ships were wrecked in the harbor of Apia, Samoa, by a hurricane of unprecedented severity, while one ship similar to our best one there in all but one particular, that of power, got to sea and to safety. This British ship, the Calliope, possessed more power than was absolutely essential for ordinary purposes, made use of it, and left a lesson for not only naval designers but one in character for all of us. Our service was built up after that storm's disaster and has stood the test of the years since. Our ships had been good enough, surely, but when the unlooked for came they found that that was not enough.

The great engineering feat of recent years, the Golden Gate bridge from the city of San Francisco across the mouth of the bay, was built with the large factor of safety which good engineering prescribes. A sway out of line and from the perpendicular of eighteen feet was allowed. That would appear a great plenty, yet only a few months ago in a gale the bridge did swing twelve feet from its line. It stood the test with a good margin to spare. It was better that good enough, much better. Its engineers feel that it has a sufficient margin of safety.

Man is not unique in possessing the brain power to better his "good enough". The eagle, when a storm sufficient to dash it to earth strikes it, does not give up. He sets his wings differently and uses the power of the gale to enable him to go higher. The set of his wings, his reserve, a product of his instinct has saved him.

Not a man here who has excelled in athletics but realizes that to win in any contest requires a reserve. Although he has done his best pulling his oar in a crew, or blocking the line in football, or covering territory in basket and base ball, he knows that at the crucial moment he must do better than his best to win, and he does.

As men grow older they tend to become too cautious at times about bettering by changes designs or work or practices. Obstinate refusing to change, they give the impression that the particular thing available is good enough, and will not change. Then they are through changing, and thereby are (Continued on Page 2, Col. 3)

CORRECTION

In the TECH NEWS of March 15th, the scholarship average of Theta Upsilon Omega appeared as 65.7%. This should have read 68.2%. The Office of the Registrar and Interfraternity Council are in no way to blame for this error, nor is the TECH NEWS.

Tech Council Adopts New Set Of Hazing Rules To Insure Freshman Class Training

Ray Schlora Is President Of Class of '40

R. E. Dunklee is Treasurer; Method of Elections Is Revised

Raymond Schlora was elected President of the Class of 1940 during an election held under the democratic system as sponsored by the Constitution Committee, late last week. Schlora is a Worcester Man, a member of T. K. P., an honor student and varsity basketball player.

The Class of '40, democratic as they are, agreed last week to change their cumbersome election system. Under the new amendment, the President and Treasurer of the class are elected from not less than four, or more than five candidates as picked by a nominating committee. A man is considered elected if he gets a majority or a twenty vote lead over his nearest rival.

Under the new plan Robert Dunklee was elected treasurer with an overwhelming majority. "Dunklee" as he is known to his friends is a member of Lambda Chi Alpha, a letter man in Cross Country, President and organizer of the Tech Outing Club and a Junior Editor.

Music Lectures To Be Given At Art Museum

Phonograph Records to Assist Mr. Clifford Green In Music Lectures

On next Wednesday evening, March 23, Mr. Clifford Green will present a lecture in his series on the subject of "Great Masterpieces in Music." The lecture will take place in the main auditorium of the Worcester Art Museum, on Salisbury Street opposite North High School, at 8:00 P.M.

In order to assist Mr. Green in his talks records will be played on the excellent Capehart phonograph, the records coming from the large Art Museum Library. This lecture will include an introduction to the various types of music with explanations and illustrations on the phonograph. Others to follow will continue along the line of music appreciation and all should be of great interest to those who enjoy classical and semi-classical music.

This series is conducted chiefly for the Institute and only Tech students, Tech Faculty members and those connected with the Art Museum will be admitted. There will be no charge for the course and all those in the above groups are cordially invited.

Rules Formulated by Four Class Presidents With Leach as Chairman

RIVALRY ENCOURAGED

Revision is Result of Feeling That Each Year Rules are Less Respected

Last month, on the recommendation of President Earle and Skull, the Tech Council set into motion a revision of the present system of Freshman hazing. This came as a result of a growing feeling among the faculty and student body that each year showed a poorer enforcement of the Freshman rules, with a resulting falling off of class rivalry. President Earle reports that several professors have had their greetings returned by blank looks on the part of Freshmen, while the rules specifically state, "Tip thy hat to all members of the faculty and Skull."

It is to be remembered that these Freshman rules, which are the basis of the Freshman hazing, have a two-fold purpose. The most important of these is teaching these new men the traditions that every Tech Man should know and respect. The second is their service to the Freshman himself, in teaching him lessons of respect for others and the usual decencies expected of any college man. Some of the rules, which seem to be purely hazing, are inserted for this reason.

Next year a departure will be made from the system of other years that allowed the Junior Class to aid and abet the Freshmen. It is believed that this, more than any other single factor, has been the cause of the lack of proper hazing on the part of the Sophomores. Now the three upper classes will combine against the Freshmen. Of course, most of the active hazing will be done by the Sophomores, and the present Freshman-Sophomore rivalry, as competing for the goat's head, will continue as before. Indeed, it is hoped this procedure will tend to increase this rivalry.

The Tech Council appointed a committee with Everett Leach, Senior class president, as chairman; consisting of the four class presidents with Prof. C. D. Knight as advisor, to act on a revision of the Freshman rules with these thoughts in mind. This committee considered each rule thoughtfully, comparing each to the purpose of the rules as a whole, and then presented the following rules to the Tech Council for approval. In the main, they are little different from other years. The preamble, however, has been changed considerably. We want our Freshman rules to really mean something. A preamble like those of other years brings snickers from the Freshmen and the rules lose all semblance of dignity and tradition. For this reason, the preamble has been made simple, direct, and dignified. The proposed rules follow:

We, the class of 1941, do hereby adjudge ourselves to be the advisors and (Continued on Page 4, Col. 1)

SURVEY BALLOT ON PAGE 2

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EDITOR-IN-CHIEF
 Robert S. Lloyd, '39

MANAGING EDITOR
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REPORTERS
 William Bowne
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— editorials —

your ballot

In accordance with a nation-wide campaign sponsored by the college press to obtain expression of student opinion on several vital questions the TECH NEWS herein prints a ballot by which you may register your contentions regarding these important issues.

Because of the energetic, enlightening talk by Professor de Haas at our recent Fuller lecture we should be able to form a more just, constructive opinion on the Far East question which is one of those included in this poll. Also some of his remarks added to our knowledge of what is needed regarding the military and naval policy of this country as well as plans for keeping the United States at peace. Certainly his remarks presented unlimited food for thought pertaining to many of the outstanding subjects of discussion today. This ballot presents an opportunity for the declaration of the culmination of such thought.

Furthermore, many of you will recall the storm of comment which an editorial on war in this paper caused several months ago. Communications from various veterans organizations and others deplored the fact that such a thought as that editorial expressed (to them) should issue from the youth of today, and nearly everyone of them concluded with the thought that they hoped such utterances did not express the attitude of the entire student body. This is your chance to demonstrate whether or not such utterances do represent the attitude of the Hill. Consider carefully what has been gained and lost and then mark your ballot under question 4 "I will fight—".

In any case let the ballots represent the thought of mature, education-receiving, students. It is hoped that no such childish events as took place on a previous, less serious poll will recur in connection with this balloting. This is a serious affair in which many organizations and individuals are interested.

Therefore clip the ballot from the paper, indicate your beliefs and place it in one of the TECH NEWS boxes which will be placed near the student mail boxes.

a debating society?

Soon a call will be issued by the English department for enthusiastic participants in a debating society yet to be formed. Are You interested? Every

Tech man should be. Even though one has never had any previous experience in a formal debate, even though one could not expect to be able to qualify for inter-collegiate competition, he should strive to obtain all the experience possible in this form of speaking. In everyday life, whether one be an engineer or a business man, there are constant occasions which require the best of one's ability to maintain a smooth flow of expressive, concise English. Whether it be in instructing a worker, in explaining some fact, or in obtaining a job, the success of the individual depends largely upon his ability to express his thoughts in a commendable form.

Surely, where could a better place be found in which to better one's present ability than in a collegiate debating society? In previous years such organizations have been started, thrived for a few years, and then finally died out as interest waned. Undoubtedly those who participated have since greatly appreciated those few hours spent in perfecting their speech. Since all too little of this necessary training is available in the short English courses in a technical school, the practical experience falls very largely upon other sources, if any. Hence in our case, a debating society should be very much in demand. It alone offers a means by which we can overcome the engineers' traditional weakness,— the inability to express himself.

Possible intercollegiate competition has already been lined up and all interested should see Prof. Swan at once. Let's get behind such a society! Let's give it some real support!

Department Notes

PHYSICS DEPARTMENT

Dr. Arthur W. Ewell was the speaker at the Physics Colloquium of Tuesday, March 15. Dr. Ewell described the new Sterilamp, developed by Westinghouse. Eighty eight per cent of the emitted radiation is in the lethal zone for bacteria or fungi. At the same time glass of such absorbing properties is used that no radiation which would produce ozone is emitted. Dr. Ewell also described recent work on the properties

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The Rendezvous of Who's Who

Chapel Talk

(Continued from Page 1, Col. 3)

themselves through. Progress only can come through changing.

The progress in engineering is not attributable to men who consider that there is nothing more to be learned than the fundamentals or by those who in college or elsewhere just manage to get by and are satisfied with such an achievement, as they wrongly deem it. The engineer who takes at full value the cultural knowledge available in his courses, in his environment, becomes a leading engineer for he has some of this reserved power that gives him the broad intelligent viewpoint enabling him to do better than good enough.

Thus in the classroom and on the athletic field there is this same principle that always holds, it's true of every phase of life. To face life with your best, as a baccalaureate preacher told one of our graduating classes, is the safe way to make successes in the world.

A British weekly has this thought which is good, giving much in little:

I will start anew this morning with a higher, fairer creed;
 I will cease to stand complaining of my ruthless neighbor's greed;
 I will cease to sit repining while my duty's call is clear;
 I will waste no moment whining and my heart shall know no fear;
 I will not be swayed by envy when my rival's strength is shown;
 I will not deny his merit, but I'll strive to prove my own;
 I will try to see the beauty spread before me, rain or shine;
 I will cease to preach your duty and be more concerned with mine.

Perhaps my thesis is not proved, but still I believe in it, and consider that "good enough is not enough". Bearing it in mind then, let us all, engineers and shipmates, as I told the officers of the Navy's Bureau of Ordinance, continue to work for the constant betterment and improvement of the engineering profession at home and abroad.

of films by use of electron diffraction patterns.

Professor Willard E. Lawton will describe advances in the molecular theory of metals at the Physics Colloquium of Tuesday, March 22.

CHEMICAL ENGINEERING

The graduate students and Seniors on the cooperative research project at Du Pont's have nearly completed their work of studying the baking of celluloid in the press room. The results of this study are to be used to change the present operating data. Existing presses will be redesigned and rebuilt to correct inefficiencies revealed by the research work.

At the Dennison Company the students have completed their work in compiling data to be used as the basis for the design and construction of continuous driers. These driers will be used to dry the waterproof coating put on tag stock to prevent ink from running.

CHEMISTRY DEPARTMENT

Dr. Butler, Mr. Hall and Eric Mager attended the meeting of the Harvard Tech Club Tuesday night, March 15. The Skeptical Chemists hold their next meeting Tuesday, March 29. In addition to speakers on topics of current interest, there will be moving pictures illustrating the subject "Circulatory Control."

Tech students are invited to attend the Worcester Chemists' Club meeting to be held in the Salisbury Laboratories Thursday, March 24. Professor W. C. Schumb, Professor of Inorganic Chemistry at M. I. T. will discuss "Newer Aspects of The Chemistry of Silicon." The meeting will start at 7:45 P. M.

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Assembly

(Continued from Page 1, Col. 1)

weak, with two great defects. First, they can't get cheap labor forever. Secondly, the home industry system tends to poor quality. They have enough trouble finding a market, over coming racial prejudice, without the added drawback of poor quality. For instance, there is much public feeling in this country about buying Japanese goods. Most people don't realize that while we buy \$152,000,000 in goods from them, they buy from us to the extent of \$250,000,000. If we expect to get paid for our goods, they must sell theirs some place.

"Then they looked across the water to China," said Professor de Haas. "Oh, boy! One hundred million customers!"

China presented such a prospect; they must buy Japanese goods if they were Japanese subjects. So Japan set out to make them so. Propaganda was used extensively to get the populace behind the movement. Foremost in the propaganda was the advice that it would be a short war, a mere occupation of the country. The Japanese premier told his people that it was "not a policy of aggression, but one of cooperation" which prompted the invasion of China.

Professor de Haas believes quite certainly that Japan cannot win. He does not base his views on a military standpoint, but an economic one. The war is much too expensive for them to continue much longer. Besides, they are getting so far into China, they are getting lost.

The really important question, how-

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QUESTIONS

- | | Check (X) |
|--|-----------|
| 1. I favor adoption of American policies in the Far East of | |
| (a) Application of a popular Consumer's Boycott against Japan. | [] |
| (b) Withdrawal of all American forces in China. | [] |
| (c) Application of the Neutrality Act. | [] |
| (d) Declaring Japan an aggressor and stopping all relations with her. | [] |
| (e) Collective action with Great Britain and Russia to stop Japanese aggression in China. | [] |
| (f) Repeal of the Oriental Exclusion Act. | [] |
| 2. I favor adoption of policies with regard to R. O. T. C. of | |
| (a) Making it optional in all non-military schools and colleges. | [] |
| (b) Making it compulsory in State land grant colleges. | [] |
| (c) Abolishing it entirely from non-military schools and colleges. | [] |
| 3. I favor adoption of policies for keeping the United States at Peace of | |
| (a) Unqualified neutrality in all foreign wars. | [] |
| (b) Participation in economic sanctions against aggressor nations. | [] |
| (c) Positive collective action with Great Britain, France and Russia to maintain peace by any means, military sanctions included if necessary. | [] |
| (d) Complete isolation. | [] |
| (e) Entrance into a revised League of Nations with provisions for peaceful change and revision of treaties greatly strengthened. | [] |
| (f) Discontinuance of Neutrality in favor of Spanish Loyalists. | [] |
| (g) Discontinuance of Neutrality in favor of Spanish Rebels. | [] |
| 4. I will fight | |
| (a) If continental United States is invaded. | [] |
| (b) In defense of American rights abroad. | [] |
| (c) In any war the Government may declare. | [] |
| (d) In no war the Government may declare. | [] |
| 5. I favor a military and naval policy of | |
| (a) Reduction in naval expenditures. | [] |
| (b) Passage of the present billion dollar naval appropriations bill. | [] |
| (c) Progressive disarmament in cooperation with other powers. | [] |
| (d) Reduction of the navy, but an increase in the army for defense of continental America. | [] |
| (e) Stabilization of the army and navy at their present level. | [] |

Class in college.....

ever, according to Professor de Haas is what the United States should do about the war. There was a time, he said, when we could have really done something. We missed our opportunity then, though, and have now only two alternatives. They are: to work toward isolation and keep our Neutrality Act intact; or to do nothing and hope for the best. The danger that is imminent is the undermining of the prestige of the white race by this "International Gangsterdom." In the future, he hopes, the United States will be prepared to act at the right time.

(Ed. Note.—The following bit of verse was picked by President Earle in Washington. The editor heard it at the President's tea last Monday and thought it should be passed on to the student body, especially since Professor de Haas alluded to the Panay incident in his recent talk. The verse was inspired by the widely circulated photograph of a Navy gunner who in his haste to defend the Panay had neglected the conventional attire of pants.)

The Pantless Gunner of Panay

Commend me to that noble soul
 Who, in the battle's heat,
 Rushed to his post without his pants,
 The bomber's dive to meet;
 Who stood upon the rocking deck
 In careless disattire,
 With shirt tail flaunting in the breeze,
 To deal out fire for fire.
 Old Glory's color deepened
 As she floated o'er this son—
 The man who had no time for pants
 But plenty for his gun.
 Come, name a million heroes,
 But to me there'll never be
 A finer show of nerve and grit
 On any land or sea—
 Then dwell upon your epics
 Should you feel an urge for chants,
 Recall the sinking Panay
 And the gunner minus pants!
 —Vaun Al Arnold

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Spring Track Season Looks Hopeful As Many Promising Candidates Train For Events

Coach Johnstone Confident Of Good Showing as Only Three Letter Men Lost

MEETS SCHEDULED

High Jump, Broad Jump and Shot Put Records Threatened as Practice Starts

With their first meet more than five weeks away, the Johnstone coached team already appears to be in mid-season form. At the March 14 turnout, more than thirty candidates responded for track practice in the gym. The addition of many Freshman stars rounds out the best balanced Tech track team in years. Among the promising prospects, Captain Mal Chandler, Fred Wackerbarth, and Butch Naboi-check start out as probable record smashers. The distance events are the only notably weak ones; but, Coach Johnstone hopes to be strengthened in this department by ten or twelve more candidates in the next few days.

According to Doc Carpenter, the first meet of the season will be a dual meet with Connecticut State April 30 at Alumni Field. A week later, Tech engages Mass. State and Tufts at Medford. May 14 the team will compete in the Eastern Intercollegiate at Alumni Field. The final highlight of the season is the New England Intercollegiate to be held at Brown University, Providence.

The squad at present consists of the following men: Naboi-check, Ken Fraser, Ralph Fraser, Ladden, LaLiberte, Karna, Harding, Chandler, Francis, Nygaard, White, Wadsworth, Parks, Webster, Cameron, Nisula, Ramaker, Riddick, Whitehead, Taft, Boyd, Fritch, Martin, Strandberg, Pacek, Wackerbarth, McEwan, Banan, Stasielowski, Totti, Blauvelt, Minalga, Hoebbel, Art and Bob Sullivan. Francis Bradford Swenson, the manager, is assisted by Leonard Landall and Bob Mirick, and two comps, Clark Goodchild and George Bingham.

Coach Johnstone has been able to make out a probable lineup due to good turnouts in most events.

The hurdles are not too strong. The Sullivan brothers, Ken Fraser, and Ed Pacek are the only entries thus far.

The high jump is one of the more promising events. Fred Wackerbarth has, in practice, already broken the school record of 5 feet 8 1/2 inches by 1 1/4 inches. The team hopes to have the services of Dave McEwan when he can be spared from the golf team. Together with Fred Banan the high jump is well represented.

Butch Naboi-check, former Worcester Academy star, has expectations of breaking the 28-year-old broad jump record, established by Pease in 1910, with a jump of 21'9". Ken Fraser is the only other candidate surely to be used in this event.

The distance runners are uncertain and far from strong. The two-mile entries will probably be Zareh Martin, Fran Strandberg, Dave Nisula, and Ed Strasielowski. Hector Cameron, last year's mile mainstay remains the only miler to date. In the 880-yard run, Hector Cameron, and Norman LaLiberte look promising. The latter is one of this year's best relay men.

In the 440, Butch Naboi-check, a strong aggressive runner, will provide many thrills. Carl Fritch, the Phi Gam relay team speedster is the other quar-

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March Meeting Of Outing Club Held in Dorm

Constitution Adopted Along With Fine Arm Emblem; Movies Enjoyed

A regular meeting of the Worcester Polytechnic Institute Outing Club was held last Monday in Sanford Riley Hall. There were about twenty-five present to witness "SkiESta," an excellent film on skiing. The impending Chemistry II Prelim managed to keep the Freshmen away in numbers.

The outing club, organized this fall by Robert Dunklee, '40, has proved popular, many students participating in the activities. The main winter attraction offered by the group was skiing.

At the meeting Monday, the constitution of the club was adopted. The new arm insignia of the organization was exhibited, consisting of a crimson and grey sport's design with the inscription "Worcester Tech O. C."

Spring hikes and mountain climbing were discussed but nothing definite was planned. Final business consisted of the appointment of a nominating committee for the purpose of nominating officers for the next year. The present officers are Robert Dunklee, president; Paul Johnson, vice president, and Don Houser, secretary-treasurer. The nominating committee is composed of three men: Robert Lloyd, Robert Wagner, and Arthur Dinsmore.

There are now twenty full-fledged members but a large number of other enthusiasts have not yet had a chance to pay their dues. The club is open to all members of the faculty and the student body of Tech. All are urged to attend the next meeting in April at which time more movies will be shown. The club is now making arrangements for some Austrian skiing pictures.

ter miler. In the sprints the team is fairly strong. Three runners stick pretty close to the 10 1/5 seconds mark in the hundred. They are Naboi-check, Ralph Fraser, and Nygaard. The 220 is ably covered by Fraser, Fritch, Nygaard, and Naboi-check.

The pole vault hopes for the season lay with Henry Blauvelt, who has cleared eleven feet; and Steve Totti, a Worcester Academy product.

The weights are covered by a surprising number of good men. Captain Mal Chandler is outstanding with his 42-foot heaves of the shot. He hopes to break the record of 43 feet 3 3/4 inches set by Clough in 1913. Russ Parks, a husky Freshman, shows good form in the shotput also. Although the discus throw will miss the efforts of Townsley, last year's outstanding thrower, White promises to make good in this event. Minalga and Karna are the two most likely javelin hurlers. The hammer throw men will be selected from the other weight men.

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Team Loses Only 3 From 1937 Squad; Lambert Is Utility Man

In its traditional manner, the national pastime is once more casting a spell over the campus here at Tech. As the baseball season draws near, everyone feels the old urge to get out on the field and throw a ball around. Even the Freshmen, as burdened as they are with Chemistry assignments, find ample time to get a little practise in each day.

While official practise has not yet begun, there has been battery practise in the gymnasium for the past two weeks, and Dr. Carpenter says that as soon as the weather permits, Coach Bigler will have the team out on the field for regular practise.

Most of the men of last year's team are back again this year playing the same positions. Captain Al Raslavsky will pitch again this year for the team after winding up a hard fought season of basketball. Al has been playing baseball since his grammar school days and seems to be tops in all of the sports in which he participates. He feels that the team will have a good season this year, and is looking forward to practise. Last year Al pitched nearly every game and was really overworked, but it is hoped that someone will be able to relieve him this year. Driscoll is a possibility for the job, especially in view of the good work he did while pitching against Rhode Island State last year.

Rushton and Gustafson will probably do most of the heavy hitting with Lambert, who can play most of the positions equally well, as a sort of free lance. The team has two possible candidates in Kingsley and Atkinson, both Freshmen. Last year Kingsley played a successful season as short-stop for Exeter, and Atkinson played short-stop and second base for Loomis School.

The expected lineup is as follows: Captain, A. J. Raslavsky; manager, P. M. Murphy; coach, Ivan E. Bigler; Raslavsky, Roszoko, Driscoll, pitchers; Rushton, first base; Messimer, second base; Korolyshun, third base; Forkey, shortstop; Lambert, pitcher and infield; Gustafson, outfield. The team will no doubt feel the loss of Jack Casey, last year's captain, who played outfield; Harvey, a pitcher who also graduated last year; and Tommy Wingardner, who has left school.

Dr. Carpenter says that the problem now is to get men who can play third and second base, and outfield.

The team will play the same schools that they played last year with the opening game on April 27. The schedule follows:

April 27, Assumption; 30, Mass. State, Amherst; May 7, Clark, Clark Field; 10, Trinity; 14, Northeastern, Boston; 18, R. I. State; 21, Clark; 28, Coast Guard Academy, New London. Games are at home unless otherwise noted.

The results of last year's games follow:

| | | | |
|--------|----|--------------|----|
| W.P.I. | 17 | Assumption | 7 |
| " | 3 | Coast Guard | 2 |
| " | 6 | Clark | 2 |
| " | 1 | R. I. State | 5 |
| " | 5 | Trinity | 8 |
| " | 2 | Mass. State | 16 |
| " | 3 | Clark | 0 |
| " | 8 | Northeastern | 9 |

Won 4, lost 4.

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Soph Naturs Duck Confident Frosh Swimmers With Decisive 48-27 Win In Interclass Meet

Hot Race Looms Between P.S.K. And Phi Gam

Decisive Match Between Two Leaders To Take Place Next Week

With two more weeks of inter-fraternity bowling ahead, a hot race looms between Phi Sig and Phi Gam, with TUO almost out of the running. The past week saw no change in the relative standing of the leaders, as both teams broke even in their respective matches. The Phi Gam boys are looking forward to a relatively easy victory over SOP this week, and then to the deciding game with Phi Sig the following week—which should be a "thriller". The league standings are as follows:

| | Won | Lost |
|--------|-----|------|
| P.S.K. | 16 | 4 |
| P.G.D. | 15 | 5 |
| T.U.O. | 14 | 10 |
| A.T.O. | 11 | 9 |
| L.X.A. | 10 | 10 |
| S.A.E. | 11 | 13 |
| T.X. | 9 | 11 |
| T.K.P. | 9 | 15 |
| S.O.P. | 1 | 19 |

Individual averages:

Bergstrom, T.X., 94.4; Cronin, T.K.P., 92.4; Olson, A.T.O., 92.2; Gibbs, A.T.O., 90.8; Dunklee, L.X.A., 90.5; Stauffer, P.S.K., 89.8; Stone, P.G.D., 89.7; Harding, P.S.K., 89.3; Peck, P.G.D., 89.2; Lambert, T.U.O., 89.1; Thomas, S.A.E., 89.3; Rhodes, T.X., 89.1; Blades, S.A.E., 88.8; Hughes, A.T.O., 88.7; Scott, L.X.A., 88.4; Boyd, T.U.O., 87.4; Blaisdell, A.T.O., 87.3; Bosworth, P.G.D., 86.8; Bates, L.X.A., 86.4; Lundquist, T.X., 85.7; MacDonald, P.S.K., 85.5; Graham, T.X., 85.5; Onehlia, T.K.P., 85.4; Swift, S.A.E., 85.2; Lang, P.G.D., 85.1; Costello, T.K.P., 84.8; Milliken, P.S.K., 84.3; Slovin, S.O.P., 84.2; MacLeod, S.A.E., 83.8; O'Neill, P.S.K., 83.4; Constant, A.T.O., 83.3; Boright, T.U.O., 83.1; Hannigan, T.X., 83; Jurga, T.K.P., 83; Webster, L.X.A., 81.8; Longnecker, T.U.O., 81.6; Burg, S.O.P., 81.6; Sherwin, T.X., 81.4; Messinger, A.T.O., 81.5; Malboeuf, T.K.P., 81.2; Folmsbee, T.U.O., 80.6; Korolyshun, T.K.P., 80; Lindgren, T.U.O., 79.8; Levine, S.O.P., 79.3; Wilson, P.S.K., 77.2; Bialer, S.O.P., 77.1.

Highest single string, Hughes, A.T.O., 119; highest 3 string total, Stone, P.G.D., 328; highest team single, S.A.E., T.K.P., 393; highest team total, P.G.D., 1696.

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Sterling and Riddick Pace Class of '40 Team With Two Firsts Apiece

NEW RECORD IN 60

Goat's Head Competition Keen With Frosh Still Leading By Mere One Point

The Sophomore swimming team splashed its way to an easy victory over the Freshman tanksters with a score of 48 to 27 last Friday afternoon at Fuller pool. The first year men bitterly felt the loss of their free-style hope, Fred Chamberlin, as they tried vainly to overcome the varsity material of the Sophomore team.

The yearlings got off to a good start with Andrews, Hopkins and Ingham coming from behind to snatch the 300 yard medley relay. But the Sophomores were quick to redeem themselves by taking first and second in the 220 yard dash and first in the sixty yard free-style in which Willie Riddick, an M.I.T. transfer, tied the pool record and set up a new college record of 30 3/5 seconds for that event.

The frosh showed themselves to be superior in the diving department as Walt Kennedy and Johnny Ingham outdove Jim Sloan, the Sophomore representative. But once again the second year men applied the pressure and took first and second in the 100 yard free-style and first and third in the 150 yard backstroke event. Clark Goodchild fought off the threats of Steve Hopkins to reach port first in the 200 yard breaststroke race.

After taking first and second in the 440 yard freestyle grind, the boys of '40 called it a day by decisively winning the 440 yard relay to complete the score of 48 to 27. This timely victory gives the Sophomores one more point toward the Goat's Head. The present standing is Freshmen 7, Sophomores 6.

Despite the loss of their freestyle expert, Tommy Love, the Soph swimmers came through with a crippled team to take the meet. During the B. U. meet in Boston, Tommy Love and Goodchild gathered acute infections of the eyelid and eyeball and were ordered to lay off swimming for three weeks. Fritz Johanson and Walt Crandall were also out of the pool for a week with sore throats.

Summary:
300-yard medley relay—Won by Freshmen (Andrews, Hopkins, and Ingham). Time 3:27 1/3.

220-yard freestyle—Won by Sterling (S); 2nd Crandall (S); 3rd Muir (F). Time 2:45 1/5.

60-yard freestyle—Won by Riddick (S); 2nd Kennedy (F); 3rd Kolehs (F). Time 30 3/5.

Dives—Won by Kennedy (F); 2nd Ingham (F); 3rd Sloan (S).

100-yard freestyle—Won by Riddick (S); 2nd Johanson (S); 3rd Ingham (F). Time 56 2/5.

150-yard backstroke—Won by Platusis (S); 2nd Andrews (F); 3rd Kuniholm (S); Time 1:57 2/5.

200-yard breaststroke—Won by Goodchild (S); 2nd Hopkins (F); 3rd Page (F). Time 2:56 2/5.

440-yard freestyle—Won by Sterling (S); 2nd Crandall (S); 3rd Muir (F). Time 6:10 2/5.

400-yard relay—Won by Sophomores (Riddick, Crandall, Kuniholm, Johanson). Time 4:08 1/5.

COME IN AND GET YOUR KONK DE-FUZZED

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Frosh Rules

(Continued from Page 1, Col. 5)

commanders of the yet unrecognized class of 1942 in order that we may acquaint you with our renowned Institute. Accordingly, it is our serious duty and responsibility to issue to you these honorable commandments and traditions which you will respect and abide by with due loyalty to the Institute. Infractions of the slightest order of these precepts will result in prompt corrections by all upperclassmen.

It is agreed that thou shalt:

1. Always wear thy Freshman hat except within Institute buildings.
Note: Until Thanksgiving or until the Freshmen have won 8 points toward the Goats' Head.
2. Always wear a black bow tie of the tie-it-yourself variety.
3. Occupy the north side bleachers in the Gymnasium at all College gatherings.
4. Conceal thy high and prep school insignia.
5. Always enter Boynton Hall by the rear entrance.
6. Always ascend and descend all stairways in single file and keep to the right.
7. Tip thy hat to all members of the Faculty and Skull.
8. Always greet Tech men everywhere with a Cheery "Hi."
9. Step up and offer your assistance to any one who appears to be a stranger on the hill.
10. Dress neatly and wear garters at all times.
11. Never smoke on the campus, but carry matches at all times.
12. Never loiter on the Gym steps.
13. Always use the walks when on the campus.
14. Above all, learn all the Tech Cheers and Songs immediately.

Rule six was suggested by President Earle, who had seen it successfully in force at the United States Naval Academy. This will help greatly to lessen the usual confusion on the steps of our buildings, especially in Boynton Hall.

It is hoped that every Tech Man will read and consider these rules and these ideas very critically. In the near future, each class president will call class meetings, at which all may express opinions and criticisms and propose any new thoughts on this subject. Let's get behind this campaign whole-heartedly. We have many fine traditions here at Tech and a good reputation. Let's keep both.

Lecture

(Continued from Page 1, Col. 2)

steadily gaining in power in spite of this defeat. The United States already participates in nearly all of the activities of the League and if we would only accept full membership and lend the League the prestige of our name, there would be little danger of another World War.

Dr. Onderdonk illustrated his lecture with two movies entitled "Thunder over China" and "Thunder over Spain." "Thunder over China" showed the economic situations in China and Japan, the slow growth of Chinese nationalism, and the reasons why Japan feels that she must obtain a firm foothold in China. Included in the movie were excerpts from several recent news-reels of the Sino-Japanese War as well as Norman Alley's pictures of the sinking of the Panay. The last reel of the film was devoted to the workings of the League of Nations. Dr. Onderdonk supplied comments on this part of the picture.

"Thunder over Spain" showed the horrors of the war in Spain and vigorously defended the Loyalist cause. Added to this film was a short cartoon entitled "Mr. Fox, Munitions Maker."

This will be the last lecture conducted by the Emergency Peace Campaign in Worcester, since the organization dissolved at the end of the meeting. A committee of nine was appointed, however, to reorganize the campaign under a different name and a different plan.

AERO CLUB MEETING

FRIDAY, MARCH 25, at 4:00 P.M., Aeronautics Laboratory.

SUBJECT: TWO SPEAKERS with ILLUSTRATED lectures.

Potter—Modern Airlines and Public Opinion
Sherwin—Safety Devices of Modern Aviation

BRING YOUR MODEL PLANES OR PHOTOGRAPHS . . . at the conclusion of the two talks each member will be given an opportunity to explain and demonstrate his models before the club.

REMEMBER: Attendance at three of the five meetings entitles you to a refund of one-half your club dues.

Geology Lectures

Commencing on Monday, March 21, Professor Stanley H. Fillion of the Department of Civil Engineering, is to give the following six lectures to the Freshmen from 10:05 to 10:50 in the morning in the Mechanical Engineering Lecture Room:

1. The Volcanic Rocks and Their Formation.
2. The Work of Weathering and Its Relation to Soil Conservation.

3. Sedimentary Rocks and the Sub-surface Waters.

4. Geology of Rivers and Modern Flood Control.

5. The Structure of the Earth.

6. The Geological "Book of the Ages."

The exact dates on which these lectures are to take place are listed below:
March 21, 1938; March 28, 1938;
April 11, 1938; April 18, 1938; April 25, 1938, and May 2, 1938.

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