

SHIPYARD SMOKER ENDS BIG CAMPAIGN

Stunts, Speeches and Driving of Nails in the Kaiser's Coffin Are Features—Over Two Hundred Students Attend

244 MEN SIGNED UP

The campaign which has been in progress at the Institute during the last two and one half weeks was terminated last Tuesday night with a big smoker in the north dining room of the Walker Memorial, nearly two hundred students attending. It was announced that the grand total of sign-ups was 244. The smoker which served as a sendoff to the men who have signed up to work in the shipyards this summer was featured by many original stunts by the various contingents, several stirring addresses and the good work of each man in driving a nail in the Kaiser's coffin. The last named stunt was arranged by the members of the Shipbuilding committee and the coffin was brought in by several students to the accompaniment of funeral dirges. D. D. Way of the Shipbuilding committee first made a few remarks in general about the Kaiser and then called for Charlie Parsons, who arose from the coffin and entertained the assembly with an original treatise on the work of the Technology students in the shipyards. After this the students came forward to drive their nails in the coffin, E. W. Jackson '21, the first man to sign up, being granted the privilege of driving in the first nail. When all nails had been driven in, the coffin was duly escorted to the Charles River by the cheering students and cast into the water.

The first speaker of the evening Professor Peabody of the Architectural Department laid stress upon the experience that the students will derive from the work, declaring that this should outweigh all financial considerations as it will have a marked influence upon them for the rest of their lives. He told of his first job in a shipyard and gave the men who had signed up pointers on how they should conduct themselves in the yards. In the first place he advised them to go about their work quietly and not antagonize the workman. This will aid them greatly in the end and afford them an opportunity of gaining an insight into the real conditions of the yard.

Captain Cluverius of the mine layer "Shawmut" was the next speaker and told principally of his observations during his connections with the Navy and the great need at the present time of the government for more workers in the shipyards. He stated that the men should not expect to be patted on the back for going to work in the yards although they are doing a very patriotic service. Instead they should consider that they are only doing their duty and should conduct themselves accordingly. He also stated that it was going to take the utmost effort of every one in America to overcome the Germans and that the only solution to this problem lay through service. By service is not meant getting into a uniform and entering the armed service but finding out where you are most fitted for. In the case of the students attending the Institute he urged them to "stick" until they have completed their courses when they will be more valuable to the government than they are at the present moment. In connection with this the speaker outlined the work that will be entailed upon the engineering profession at the conclusion of the war and it is for this service that the engineer being trained today will be needed.

Captain Cluverius was followed by Lieutenant A. W. Frank '12, who went more into the details of work involved in building a ship and the great need for men in the shipyards. At Charlestown Navy Yard where Lieutenant Frank is Naval Constructor, there are only eight skilled loftsman in the entire yards and he declared that there should be at least a hundred and eight or more. The Institute students who have signed up to work in the Navy Yard will be placed in the mold loft, as apprentices. Lieut. Frank expressed himself as disappointed

(Continued on page 3)

DEPARTMENT OF BIOLOGY UNFURLS A SERVICE FLAG

Course VII Students, Instructors And Professors Present.

At a simple but interesting ceremony a service flag with 83 stars was recently unfurled at a meeting of the Department of Biology and Public Health at Technology. Professor William T. Sedgwick, head of the department, opened the little meeting which brought together members of the instructing staff, alumni and students, and after a brief introductory speech, Sergeant Nichols was called upon to unfurl the flag. Professor Sedgwick called upon one of the former students at Technology, Dr. S. J. Mixer, who himself, with his three sons, are all enrolled in medical service with the army, while Mrs. Mixer is very busy with auxiliary war service work with the Technology women, for a brief address, and then upon Professor S. J. Prescott '75, who is now a major. Professor Prescott noted that of the graduates of the Institute in this department, more than 60 per cent are represented by stars in this flag, and that of the class of last year, with twelve students enrolled, ten are represented by stars, while the other two are ready for service if the government will accept them. "One hundred per cent of active, virile patriotism," said Major Prescott. The speaker called attention to the fact that this splendid record was a tribute to the ideals of the man who for twenty-five years has given of his most earnest effort for the upbuilding of the department, an endorsement of the leadership of Professor Sedgwick. Following an interesting story of experience at Camp Devens by Sergeant Nichols, the company adjourned to a little collation matronized by Mrs. Dr. Sedgwick. Dr. John Duff, Dr. F. H. Slack, Dr. R. P. Bigelow, and a full attendance of the students of the department constituted the company. The Electrical Engineering Department has hung its service flag with 250 stars, while that of the Architectural Department nearly touches one hundred.

TECHNICOLOR PICTURES

Plan to Feature Maxine Elliott and Other Stage Stars

Arrangements are being made by the Technicolor Process Company, which operates under the name of Kalmus, Comstock and Westcott Company, to have Maxine Elliott and several other famous stage stars to pose for pictures of the type which have been developed by the concern; that is, pictures which show the true colors of all objects and persons appearing in the scenes. It is intended to present these pictures to the public for approval before making others, as it is very uncertain as to the future popularity of colored pictures since the kind now in use are so exceedingly popular. There is no doubt but that the colored pictures are a scientific achievement and worthy of high standing in public opinion, but there is always an uncertainty concerning new projects as far as popularity is concerned.

The Pullman car which has been standing behind the Tech office on the railroad siding and now stands near the power house, is a portable laboratory of the Technicolor Motion Picture Corporation. The principal research work for the development of natural colors in photography have been made in other laboratories, but during the past year many trips have been made over the country in this car and exhibitions of the pictures given, all of which were very popular, proving the practicability of the process to a certain extent. Last September the motion picture men of the country assembled at Aeolian Hall, New York City, and witnessed a photoplay produced in natural colors. An exhibition was also given in Tremont Temple, Boston, on September 13.

The process has been developed to a high point of efficiency by a number of Technology graduates, headed by Professor Daniel F. Comstock of the Physics Department. Herbert T. Kalmus

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CREW RACE TO COUNT IN FIELD DAY SCORE

Advisory Council on Athletics Decides to Make Rowing a Regular Field Day Event in Order to Interest Students

1921 CREW DISBANDED

The Technology Advisory Council on Athletics met last Tuesday, the twenty-first and voted to make the crew race, which is rowed annually on Field Day, a regular Field Day event, counting in the final score. In the past, crew has been handicapped at the Institute because of the lack of interest shown by the majority of the students due probably to the fact that no official recognition has been given by the Council. One of the chief reasons that no official action had been taken was the disadvantage of unsatisfactory weather conditions which would cause the race to be postponed and thus leave the outcome of Field Day undecided. It was suggested, however, that if the race could not be rowed down stream, conditions might be favorable up stream. This suggestion was discussed and it was decided to make the crew race a regular event on the Field Day program. The question of points was next discussed and they were decided on as follows: Tug of War 2, Relay 4, Crew Race 4, and Football 5. This does away with the possibility of a tie and makes it possible for crew men to earn both points and numerals, a thing impossible in the past. The making of the crew race one of the regular events of Field Day has been pushed by the management in the past but not until this spring did it receive the favorable recommendation of the M. I. T. A. A. and action by the Advisory Council.

At the same time the future of a varsity eight was discussed and the point was raised that it had cost \$15,000 for the maintenance of the Columbia varsity crew, while at Harvard \$30,000 had been spent in a similar way. As the present equipment is inadequate, consisting only of two four-oared shells, and since there is at hand only some \$35,000, it was decided to drop this proposition until after the war. The management hopes to procure enough money by subscription this summer, however, to purchase three eight-oared shells.

Last Tuesday the freshman season was officially closed on account of the nearness of examinations, and it was decided to withdraw from the Harvard regatta which is to take place on the river today. The members of the crew expressed their appreciation of the whole-hearted and conscientious work of Coach A. W. Stevens and for the banner which he presented them, which is at present hanging in the Caf. The management wishes to extend to him the most hearty thanks of the Technology Rowing Association for his work this season.

The candidates for the summer will be called out shortly after the opening of the summer term. The crew will participate in the Fourth of July Regatta of the New England Rowing Association, and on the thirteenth of the month it will meet the Lynn Boat Club at Lynn, each man receiving a cup if the crew wins. The management also has prospects of meetings with the Farragut Boat Club of the same town and with the Navy crews which will practice at the Union Boat Club.

TENNIS TEAM PHOTOGRAPH

The Tennis Team will meet at Notman's Studio, 1286 Massachusetts avenue, Cambridge at 12.45 o'clock, Tuesday in order to have a group picture made for Technique.

TRACK NOTICE

There will be an important meeting of all those interested in Cross Country at the Track house on Tuesday, May 28 at 12 p. m. sharp.

ENGINEERING COUNCIL TO START BIG CAMPAIGN SOON

Plan To Secure The Name of Every Technical Engineer.

The Engineering Council of America, an organization of National Technical Societies, created to provide for the consideration of matters of common concern to Engineers, as well as those of public welfare in which the profession is interested, has started a campaign to secure the name of every technical engineer in the country for the benefit of the government. Prominent among the officials of the organization are two Institute professors: Professor George F. Swain of the Civil Engineering department, 2nd Vice-chairman and Professor Comfort A. Adams of the Electrical Engineering department, representative of the American Institute of Electrical Engineers.

The Council has sent out circulars to every technical school urging immediate action on the part of those interested and qualified for the service named. Following is the circular:

The Bureau of Navigation, Navy Department is desirous of securing trained engineers for general service in the Navy in Steam Engineering, Electrical Engineering and radio duties.

Applicants for this service will, if accepted, be enrolled as ensigns in the Naval Reserve Force and will be sent to the reserve officer's school at Annapolis for a special course of about four months, after which those who finish the course successfully will be placed in further training ashore or afloat, and then become available for regular sea or shore duty as the exigencies of the service may demand. Applicants for this general service should have the following qualifications:

1. A degree in Mechanical, Electrical or Mining Engineering, conferred by a College of recognized standing.
2. At least two and one-half years' practical engineering experience subsequent to graduation (exclusive of time spent as sales agent).
- (3) Not over thirty-five years of age.
- (4) Physically strong and sound in health.

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TECHNIQUE 1920

Campaign for Signups to Close
by June 1 at Latest

The campaign for sign-ups for Technique 1920 which started yesterday will continue until June 1. The following men will take your sign-up if you have not already given it to someone: Hackett '19, Banks '19, Reis '19, Parsons '19, Coldwell '19, McCarten '19, Smoley '19, Mayer '19, and Balfour '19, or any member of the 1920 board.

The announcement made in the last issue of THE TECH to the effect that there would be both a Junior and a Senior portfolio was an error, for it is planned to have only one, either the Junior or the Senior depending upon the result of the campaign for sign-ups. It is therefore up to the Juniors this year to sign up if they wish their class portfolio to appear in the book next year. Because of the early graduation of the class of 1919 it has been decided to have the pictures taken during the summer while the men are at the Institute. This will be no expense to the men aside from the usual cost of the book which is \$2.75. If the total price is paid at the time of your sign-up, a Technique will be sent to you prepaid, otherwise, if you pay only 75c deposit, it will be sent C. O. D. and the receiver will have to pay the expressage.

GERMAN AMERICANS INVEST \$3,000,000 IN LIBERTY BONDS

Professor Frank Vogel, head of the department of Modern Languages at Technology, notes that the American Citizens of German Origin, of which he is chairman for New England, have in this section taken up three millions of the third Liberty Loan. The movement for this group of our citizens thus to express their loyalty, beginning in New England, has spread all over the country. The organization proposes to make itself permanent throughout the duration of the struggle.

IMPORTANT PUBLIC HEALTH CONVOCATION

Sessions to Be Held on May 28, 29, 30 and 31 in Boston With Several Institute Professors as Chief Speakers

TO MEET AT INSTITUTE

On May 28, 29, 30, 31, there is to be held in Boston, under the auspices of the Committee on public health of the Massachusetts Medical Society, a Convocation and four-day school of public health. The sessions of this convocation are open not only to Public Health Officials of the State of Massachusetts, but to all those who are professionally interested in public health. The program is as follows: Tuesday, May 28, session on Water and Sewage Purification, at Huntington Hall, 491 Boylston street, Boston.

9.05 o'clock, "Purification of Water by Storage." M. C. Whipple, Instructor in Sanitary Chemistry, Harvard University.

10.05 o'clock, "The Control of Water Supplies." Harry W. Clark, Director and Chemist of the Division of Water and Sewage Laboratories, State Department of Health.

11.05 o'clock, "Sewage Disposal for Residences." Prof. R. P. Weston of Messrs. Weston & Sampson, Consulting Sanitary Engineers, and formerly Assistant Professor of Public Health Engineering at Technology. Stereopticon.

12.00 o'clock, addresses of welcome. In the afternoon a session on Public Health Laboratory Methods will be held at Huntington Hall.

2.05 "The Present Status of Pneumococcus Type Determination." Miss E. A. Beckler, S. B. Bacteriologist, State Department of Health.

3.05, "The Development of a Public Health Laboratory." Dr. F. H. Slack, Instructor, Department of Biology and Public Health Reports will be held at formerly Bacteriologist to the Board of Health of Boston.

4.00 o'clock, there will be an opportunity for persons engaged in laboratory work to visit the State or City Diagnostic Laboratory.

Wednesday, May 29, a session on Public Health Reports will be held at the Institute in room 10-250.

9.05 o'clock, "Statistical Arithmetic." Prof. G. C. Whipple, Professor of Sanitary Engineering at Harvard University and Technology.

10.05 o'clock, "Graphic Methods in Public Health Work." Dr. J. P. Bill, Department of Preventive Medicine and Hygiene, Harvard Medical School. Stereopticon.

11.05 o'clock, "How to Keep Posted on Public Health Progress." John Ritchie, Jr., formerly Health Commissioner, City of Boston.

12.05 o'clock, "The Annual Report." Public Health Association.

2.05 o'clock, "The Control of Venereal Diseases." Dr. J. S. Hitchcock, Director Division of Communicable Diseases, State Department of Health.

3.05 o'clock, "The Relation of Feeble Mindedness to Public Health." Dr. W. E. Fernald, Superintendent, Massachusetts School for Feeble Minded.

4.05 o'clock, "Present Needs in the Tuberculosis Campaign." Dr. John B. Hawes, 2nd, Secretary, Trustees of State Hospitals for Consumptives. Stereopticon.

On Thursday afternoon, May 30, a session on Industrial Hygiene and Sanitation will be held at Technology in room 10-250.

2.05 o'clock, "Diet and the Health of the Worker." Dr. P. G. Stiles, Assistant Professor of Physiology, Harvard University.

3.05 o'clock, "The United States Public Health Service and the Sanitation of War Industries." Past Assistant Surgeon A. J. Lanza, U. S. Public Health Service, Washington, D. C.

4.05 o'clock, "Industrial Health." Dr. D. L. Edsall Jackson, Professor of Clinical Medicine, Harvard Medical School, and member of Public Health Council, State Department of Health.

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Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. The Tech assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

R. H. Smithwick '21.....Assistant Night Editor

SATURDAY, MAY 25, 1918

COLLEGE LIFE AT M. I. T.

THE lack of college life in such a school as ours has always been an enigma to the administrations of this type of educational institution. Sporadic attempts have been made to remedy the evil of producing mechanical men here, but very little change of a permanent nature has resulted. It is true that there is some natural tendency for men to seek relaxation, but in many cases it is like the useless seeking of the American prisoners for moments of freedom from their work in the German salt mines, and yet our work here is not of unreasonable intensity even though it does keep us on the jump. It our men are not interested in anything beyond the realm of strict engineering, it is possible to secure men with wide experience and successful careers to talk at informal gatherings of the smoker type. These talks are naturally of a semi-technical nature that is both relaxation and instruction combined. Perhaps a person of the fine arts type would not be occasionally unwelcome within our walls. Courses of lectures such as those recently given by Prof. Derr on photography are of one possible type. Representatives of the outside would help us forget for an evening the routine of just so many prepared lessons each day, with holidays and Sundays to make up back work. Men of the Hendricks type are keen enjoyment to Tech men as evidenced at the Chemical Society banquet last week. That it is possible to have real good times at a smoker was proved last Tuesday night at the Ship Yard smoker where bits of original song and verse with a sprinkling of appropriate yells showed the ability of our men to do something in the entertainment line. Let's have more of them. Perhaps the faculty would like to show us that they are capable of entertaining—give a one act drama on "Trying to Get a Lazy Man By."

This is not intended to be an exhaustive treatise upon the subject, but if the Institute Committee had a sub-committee whose energies were expended on the proposition—Resolved "That Technology Can Make Men as Well as Machines," perhaps something would happen, who knows?

RED CROSS CAMPAIGN

THIS is the last day of the Red Cross Campaign for one hundred million dollars. How much have you given? Not very much on the average we are afraid. In a matter of this sort students have a way of putting off solicitors with statements like: "I am a student. I have no income of my own. I am dependent on others for my living: you can not expect me to give."

Now, seriously, fellows, isn't this matter a little special. Let's look at it this way. You'll grant us that your being at the Institute here is a privilege and a mighty big one too. It is quite unlikely, unless you offer yourself voluntarily, that you will see service in the trenches. You are needed too badly in the special lines of work for which you are fitting yourselves here. Yes, to be sure, some of the lines open to us are quite dangerous, but, on the whole, are they not comparatively soft jobs?

Then consider, where the fellows are you knew in grammar school. Most of them are down at Ayer or some other camp, with a gun or a sabre, as the case may be, over their shoulders. In a few months they will be over there, and you will still be over here with your pockets fattened from the ship yards, more than likely. Where are the men of your age in Europe? Nearly all of them in the trench—many of them dead.

Think this over, men, and then by all means dig down. There is not a man in the Institute who can not afford to pull up at least a dollar. Remember that the school year is nearly over, and that your expenses for the remainder of the term will not be heavy; then give to the poor devils over there who have no relief in sight.

COMMUNICATION.

405 Fifth Ave., New York City, May 4, 1918.

To the Editor of The Tech.

Dear Sir: In response to the article that appeared in THE TECH recently (column 1, page 1) on the part of the ladies who are urging the women of the United States not to buy platinum jewelry, permit me to state that the Government of the United States has placed the platinum situation in the hands of Mr. C. H. Conner, of the War Industries Board, and after a most careful investigation of the entire supply, and with a knowledge of all the material that is in the possession of the refiners and jewelers, has decided to commandeer all unmounted platinum, permitting the jewelers, however, to use 25 per cent of this material for the present, and possibly more of it later. The jewelers are in perfect accord with this; in fact, some firms offered the Government all their platinum even before the commandeering order was issued, at a price that would have been a partial loss. The interest must be taken into account, as it is in all businesses, whether jewelry or chemical.

This is a time when we must have confidence in what our Government is doing. We must stand back of the Government, and any misdirected zeal, whether hysterical or for notoriety, may cause considerable annoyance to the Government and at the same time work injury to an important profession. I say notoriety, because the chairman of this committee has sent her photograph with the articles, and this appeared in World's Work and in other sources.

It was through the solicitation of a number of the leading reputable jewelers and my personal application that the New York Times, the New York World, the Brooklyn Standard Union, and others, agreed not to use the word "platinum" in any advertising. The Jewelers' Circular-Weekly, the leading journal of the jewelry profession in America, has not advertised the word "platinum" for many months, nor will any of these papers accept advertising if the word "platinum" is used.

On April 6, 1917, having visited Russia and the Demidoff and other estates upon which platinum is found, I clearly outlined how not only the 21,000 ounces of platinum which have since then reached this country, but fully 21,000 ounces more that are still in Russia could be brought to the United States for our own use and be prevented from falling into the hands of those governments which, if they obtained it, would use it to the great disadvantage of the United States.

This is not a new crusade, but a pre-war crusade, and if the chemists, instead of attacking the jewelers, would seek to perfect separation methods by means of which could be prevented the loss of millions of dollars' worth of platinum which now occurs annually, there would be enough platinum for the chemists and for the jewelers. To mention only one instance in one region in Canada, where the platinum is not properly separated from the nickel, there is an annual loss of \$2,000,000 worth of platinum, due entirely to imperfect methods of separation.

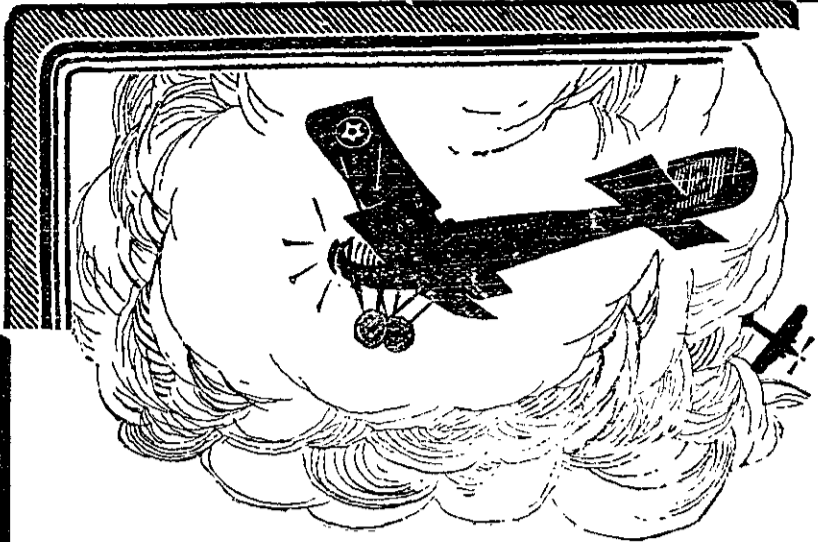
Incidentally, in this same crusade, a Boston chemist, Mr. Robert W. Neff, chairman of the publicity committee of the Northeastern Section of the American Chemical Society, and Mr. William C. Bamburgh, also of Boston, and publicity representative of the same committee, signed a letter to the Boston Post, in which they deliberately changed my manuscript to state the reverse of what I said, placing me in a most embarrassing position before the 29,000 members of the jewelry profession in the United States, and up to the present time, neither they nor the Boston Post have retracted this publicly, although Mr. Neff and Mr. Bamburgh in a letter to me stated as follows:

"Our article contained three separate news items regarding platinum: (1) * * *, (2) * * *, (3) Your own resolution. In the latter item we find that the word 'forbidden' was unquestionably erroneous, and we regret any annoyance that occurred to you as a result of the apparent misquotation. The word was used in a desire to accentuate the exigencies of the situation, and the reference to you was not intended to be interpreted as your attitude toward jewelry settings."

Were this an analysis of a gold ore, and had the decimal point been moved one space, it would naturally have made the analysis more effective for a promoter, but the falsification in the one instance was equally damaging to me as it would be to an investor in the other.

Finally, if the chairman of the committee will show any document from the United States Government authorizing her to carry on this propaganda, the writer will appreciate seeing it, as he has been unable to find any record of its being issued.

Trusting that the matter will be permitted to rest with the Government, I am,
 Very truly yours,
 (Signed) GEORGE F. KUNZ.



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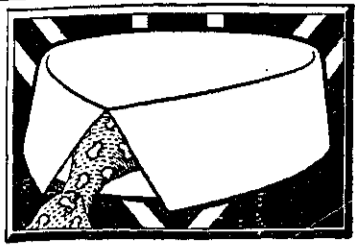
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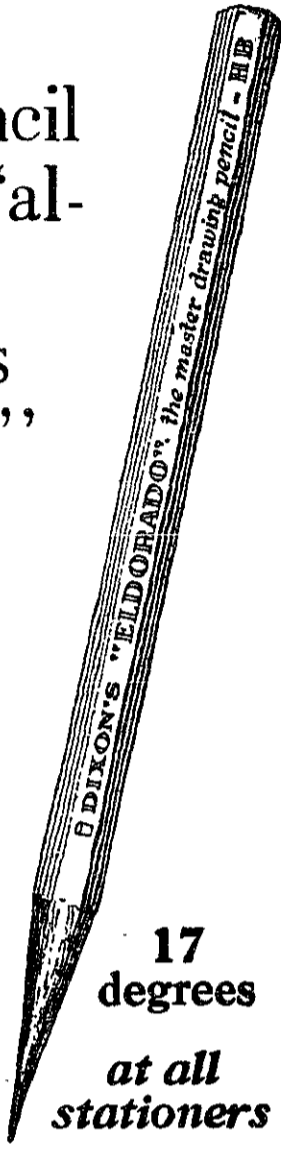
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SHIPYARD SMOKER

(Continued from page 1)

over the small number of men who have signed up to work in the yards this summer, and urged every man present at the smoker, who had not signed up to do so at once as Tuesday was the last time an opportunity would be afforded.

After the speeches stunts were put on by the other men for one good bath. The most part of songs and cheers. The songs were practically all parodies set to some well known tune inasmuch as the men had not had much opportunity to practice them together. The Bath Iron Works men presented an original play entitled, "Bathed once in my life, but ever again." Freddie Britton '19 had the leading part portraying the youthful prodigy and being cast into a bath tub by the other men for one good bath. The group from the New York Shipbuilding Company at Camden, N. J., caused a mild sensation among the others when they appeared on the scene in regular machinist's caps and khaki shirts giving the appearance of being regulars. Their songs and cheers were well received and were well composed. The Texas Company also made a good impression and displayed a bit of pep but did not compare with the Camden group. Fore River out-numbered all the rest out their was lack of unity and spirit in the songs.

Refreshments were then served consisting of all-day sutkers and sodapop, pretzels and crackers. The pretzels were eaten more to spite the Kaiser than for their excellence in food value for the latter is practically nil, as well as the former.

Since the Charlestown Navy Yard quota had not yet been filled and there were many men anxious to work there owing to its proximity to Boston, it was decided by the Committee to hold a raffle for the places. Ten men were selected after they had drawn the lucky numbers.

The following is the list of men who will work in the different shipyards:

FORE RIVER YARD—A. G. Akern, J. C. Aronson, Francis E. Boettner, W. F. Boucher, Samuel J. Broidé, J. E. Buckley, L. K. Burrel, P. Bugbee, W. W. Brown, R. S. Baldwin, O. W. Clark, W. Corbett, A. Denbin, W. A. Emery, J. B. Ford, H. L. Goodwin, W. R. Handy, A. J. Hanley, M. Hart, T. F. Harvey, H. F. Hedburg, L. B. Hitchcock, W. H. Irwin, G. A. Kain Jr., E. Karnig, J. E. Kaufman, A. Krieger, Y. Lee, H. Levin, H. Y. Liu, D. F. Lyman, K. C. Li, G. MacKinnon, M. Matthews, J. Manitky, H. K. Nock, E. M. Norberg, J. B. Orman, A. D. Parsons, H. W. Reinhard, W. A. Riley, G. A. Rowe, R. B. Sandiford, E. F. Schock, R. R. Siegfried, W. B. Sylvester, R. B. Tewksbury, F. H. Travers, A. Tushui, E. S. Russell, R. C. Johnson, H. G. Bower.

BATH IRON WORKS—K. F. Akers, L. B. Barker, F. S. Britton, L. H. Burnham, G. C. Carven, G. Dateo, J. C. Facey, H. L. Grosscup, E. W. Jackson, T. L. McMahon, H. P. Massey, J. J. Murphy, N. C. Scudder, A. J. Shaughnessy, G. W. Spaulding, A. Vepsala, G. B. Wetherbee.

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OTHER YARDS—Newport News:—H. A. Westcott, Kelley-Spear—F. R. E. Dean, Union Iron Works, Alameda, Cal.,—H. R. Haines, Federal Yard, Newark, N. J.—S. J. Hill, Todd Shipbuilding Co., Brooklyn, N. Y.—I. D. Jacobson, American Shipbuilding Co., Chicago, Ill.—M. B. Knox, Tood Yard—M. B. Lieberman, Portland Shipbuilding Co., Portland, Me.—D. H. Hatnaway, Federal Shipbuilding Co.—Chris B. Nelson, American Ship Co., (Globe Yard) Cleveland, O.—J. M. Passell, Portsmouth, N. H.—H. A. roole, Federal Yard—W. H. F. Rose Jr. Crowenshield Shipyard, Fall River, Mass.—H. W. Smith, Coast Shipbuilding Co., Portland, Ore.—S. H. Wells, Portsmouth, N. H.—G. A. Wilson.

TECHNICOLOR PICTURES

(Continued from page 1)

who is president of this company, graduated from Course VIII with the Class of 1904. The process which has been developed by the firm is officially known as the Technicolor process, in which two pictures are taken simultaneously from the same point of view on extremely delicate film sensitized by Professor Comstock and his associates. Both films are projected simultaneously through two separate color screens. The taking of two pictures at the same time eliminates what is known technically as a "fringe," while the projecting of two views simultaneously does away with the so-called "color bombardment," both of which are defects of the older system and fatiguing to the eyes. The highly sensitive film makes possible the unusually faithful reproduction of colors.

The Pullman car has been fitted with apparatus for developing both the positive and negative films at the same place where the pictures are taken. Then if any defects are discovered in the film, the scene can be retaken without incurring much additional expense.

In presenting a play, the actors use no make-up, on account of the sensitiveness of the film. For the elimination of color flicker a horizontal, magnetically controlled arc has been devised, which is claimed to be a great improvement over the old style of vertical arc. This new arc produces fine, soft shades, faithfully expressing each detail of the scene.

If the feature pictures which are to be made some time soon are popular and show the feasibility and practicability of the plan, it is possible that they will replace the ones now in use. The undertaking would then be entered into on a much larger scale than at present, when only a test is proposed to be made.

GRADUATES OF TECHNICAL SCHOOLS FOR NAVY OFFICERS

All men who have secured degrees from technical institutions are offered an opportunity for commissions. Such men are to communicate with Lieutenant Munn, Aviation Officer, Second Naval District, stating their qualifications. If the latter are satisfactory, the men will be transferred to the government scientific school and will be commissioned after receiving a course of training there.

This school is described in the following circular:

The U. S. Navy Steam Engineering School is organized primarily for the purpose of training engineer officers for the Naval Auxiliary Reserve.

As outlined by the Navy Department, men desiring to enter the course should possess the following qualifications:

Men of ability and officer material, and between the ages of 21 to 30 inclusive.

They must have completed high school course and be graduates of an engineering course at a recognized technical school or the equivalent of above, and they must be physically qualified for line officer—standard of regular Navy.

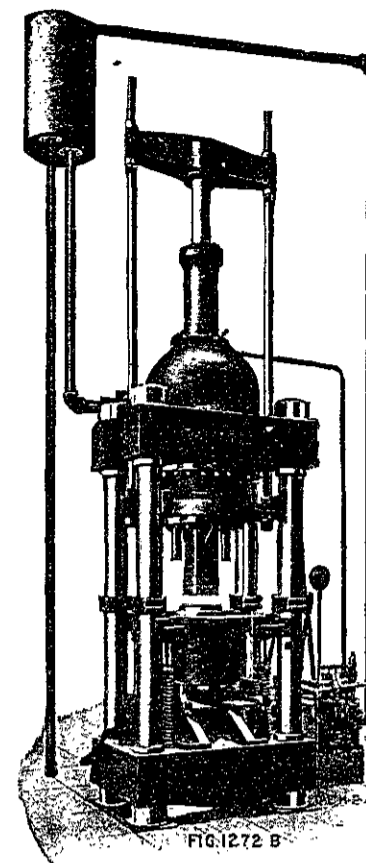
Men in the service should apply for the course to the Commandant via their commanding officer. They may then be transferred to the school on the weekly quota from Naval Districts.

Applicants from civil life may apply to their District Enrolling Officer, and if found qualified, may be specifically enrolled for this course as Machinist's Mate 2nd Class and transferred to the school on the District quota mentioned above.

All applicants from the service below the rating of Machinist's Mate 2nd

TURNING A MENAGE INTO PROFITS

At rock salt mines great quantities of fine screenings have been accumulating exactly as coal slack accumulates at the coal mines.



Disposal of these screenings had become a constant and vexatious problem for mine operators. The great piles stacked near the mines meant dissolution and damage by drainage to fillable soil, and pollution of the fresh water streams. Complaint to the federal government was frequent but the best the mine operators could do was to dump the screenings back into old mines.

Then came the idea of compression into blocks suitable for commercial use. The problem was submitted to our Engineering Department for solution with the result that the press here shown was evolved. Now this former waste is being converted into convenient blocks of sufficient density to resist dissolution by exposure. Being of uniform shape, size and weight, these blocks are proving to have such distinct advantage over the lump of the mine that some are seriously contemplating the advisability of pulverizing the lump and converting it into the compressed block. Additional advantages are the ease of medication and the elimination of sharp edges that cut the mouths of stock.

Manufacturers of white granular salt by evaporation are likewise installing this press to convert their unsalable white salt into blocks for stock feeding purposes, thus also diverting a hitherto waste product into a source of profit. We are also selling these presses in the humid countries of the tropics where salt quickly turns into brine. There the blocks are graded for household use as needed, such as nutmegs are grated.

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Class will be rated such upon entering the course. Those above the rating of Machinist's Mate 2nd Class may take the course with their present rating.

Men transferred to the course will first be sent to Naval Training Camp, Pelham Bay Park, for a few weeks of military training, and then sent to Stevens Institute of Technology for the engineering training itself.

The first period at Stevens consists of four weeks intensive instruction in Boilers, Engines, Auxiliaries, etc.

Finally the student returns to Stevens for the final four weeks' period of instruction in the care and upkeep of marine machinery, duties of engineer officers, etc.

Upon the satisfactory completion of the course men will be qualified for a commission as Ensign for engineering duties.

Those who do not complete the course will be given appropriate ratings by the Supervisor, Naval Auxiliary Reserve, and transferred for general detail.

Headquarters M. I. T. War Service Auxiliary

491 Boylston St., Boston

Information Bureau open daily. Workroom open Monday and Thursday afternoons, Tuesday, Wednesday and Friday mornings. Everyone interested in Technology welcome, as visitor or worker.

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ENGINEERING COUNCIL TO START BIG CAMPAIGN SOON

(Continued from page 1)

The American Institute of Electrical Engineers, American Institute of Mining Engineers, American Society of Mechanical Engineers, Naval Consulting Board and National Research Council have each been requested to submit a list of fifty names equally proportional among personnel trained in (1) steam engineering duties, (2) electrical engineering duties, (3) radio duties, but the exact engineering duties to be performed in general service by each applicant will be decided after completion of the training under naval supervision. It is probable that from among the applicants accepted, a class will be formed at the Naval Academy about the middle of June.

Each applicant should without delay forward to the Engineering Council, which is acting for the five organizations named, a resume of his education and engineering experience, together with a small photograph, if practicable, and such letters of recommendation as it may be possible to submit, addressed to 29 West 39th street, New York City.

HEALTH CONVOCATION

(Continued from page 1)

7.30 o'clock, "Methods Employed in Public Health Education in China." Dr. W. W. Peter, Secretary, Joint Council on Public Health Education, Shanghai, China. A lecture, richly illustrated, to be followed by a social hour, ladies especially invited.

On Friday, May 31, a session on Child Welfare will be held in Huntington Hall, Boston.

9.05 o'clock, "Dental Hygiene. The Prevention of Children's Diseases Through Supervised Care of the Mouth." Dr. G. H. Wright, Lecturer on Dental Hygiene, Harvard Dental School.

10.05 o'clock, "Ten Years' School Nursing in the Boston Public Schools." Miss Helen F. McCaffery, Supervising Nurse, Boston School Department.

11.05 o'clock, "The Plan and Work of the Committee on Child Conservation of the State Department of Health." Dr. R. M. Smith, Secretary of the committee.

12.05 o'clock, "Child Welfare in War Time." Dr. Dorothy Reed Mendenhall of the Division of Hygiene, Children's Bureau, U. S. Department of Labor, Washington, D. C., and Lecturer on Health, Agricultural Extension, University of Wisconsin.

2.05 o'clock, "The Work of the Public Health Nurse." Miss Anne H. Strong, R. N. Assistant Professor of

Public Health Nursing, Simmons College. Stereopticon.

3.05 o'clock, "Public Health Administration in Rural Districts." Dr. L. D. Bristol, M. D., Dr. P. H., State Commissioner of Health of Maine, formerly Special Agent, Massachusetts State Department of Health Investigating Infant Paralysis

4.05 o'clock, "Essential Activities of a Board of Health." Dr. Lyman A. Jones, Director of the Division of Hygiene, State Department of Health.

There are two important agencies in the community which are joining hands in this convocation, the Massachusetts Medical Society, Committee on Public Health, and Technology. To this cooperation the Committee on Public Health, consisting of Dr. Enos H. Bigelow of Framingham, chairman, and Dr. Edmund F. Cody of New Bedford and Dr. Annie Lee Hamilton of Boston, provide the sinews of war, a goodly amount of influence and through its agent, Clair E. Turner, M. A., and instructor at Technology, the executive work, while the Institute furnishes its spacious halls for meeting places.

FRESHMAN EIGHT LOSES TO NOBLE AND GREENOUGH

Superior oarsmanship and steadiness spelled victory for the Noble and Greenough crew over Technology's freshman crew on the Charles River last Saturday afternoon. The race, which was held on the regular mile course, started from the Cottage Farm Bridge about three o'clock, ending in front of the float beyond the Harvard Bridge.

The weather was ideal for racing and permitted the winning crew to make unusually good time, beating the freshmen out by a full length of open water. The Noble and Greenough men were much heavier than the freshmen and rowed more steadily. Following were the crews: Technology 1921—Bow, Haskell; 2, Wheatland; 3, Northrup; 4, Lloyd; 5, Worcester; 6, Merrill; 7, Jakobson; 8, Thulman; coxswain, Davidson.

Noble and Greenough—Bow, R. Almy; 2, Brown; 3, Devlin; 4, Peters; 5, Freeman; 6, Coburn; 7, Andrews; 8, W. Almy; coxswain, Leland.

Next Saturday afternoon the freshman crew will row in the Harvard Regatta against the Harvard freshmen, Noble and Greenough in their second race with that eight, and also against a Boston interscholastic crew composed of members of different Boston high school and preparatory school crews. The meet will be held over the regular Charles River course, and is scheduled to take place at 3.00 o'clock.

CURTAILING COMMENCEMENT EXPENSES.

In view of the fact that the Government bureau of education has requested all colleges to cut down on their commencement expenses, Technology has fallen in line with nearly all the other American colleges by omitting the commencement this year.

This may seem hard to some, but if they look into the circumstances they will see that there are so few Seniors left it would be inadvisable to carry out the usual elaborate program. It is also a patriotic measure, by saving money for war purposes, and that which would be spent for the exercises would equip a large number of men for service overseas. Before this war is brought to a successful termination in favor of the Allies, the American public must learn to economize as the Europeans have had to do. Money is absolutely necessary for war, and we must not spend it uselessly.

A college man naturally looks forward to his commencement, and when it is denied him of course he does not feel at all pleased. However, when a nation is engaged in a war for its existence the individual must conform to the needs of the majority. Let us hope that it will not be necessary to forego the pleasures of commencement week in following years, but if it is, we must cheerfully adapt ourselves to conditions.

ANOTHER ARMY AND NAVY STRUCTURE NOW BUILDING

Construction was begun Saturday, May 18, on a new wooden cruciform building to be devoted to the needs of the Navy Aviation Detachment. This structure will have a nave, of 130 feet in length and a transept, which will have a clear-story of 100 feet. The ends of the nave will be devoted to a rigging school and a navigation school, respectively, while the big two-story transept will have galleries for aerial observation. The new building is situated in the angle between the new Navy seaplane hangar and the duPont aerodynamic laboratory, and is directly between the former and Massachusetts avenue.

T. C. A. EMPLOYMENT BUREAU

The T. C. A. has several opportunities open for those who desire positions and employment this summer, and who perhaps are not able to take up with the "Shipyards Movement." The Royal Blue Line sight seeing company with headquarters at the Brunswick want ten drivers who can start work in the near future. They will make two trips a day, Sunday included. They are paying twenty-two and a half cents an hour and up. The Bay State railroad has some special opportunities. Men are al-

so desired as draftsmen and to take charge of Y. M. M. C. summer camps.

The T. C. A. are going to publish 2000 black pebble leather hand books this year. The Institute takes care of sending copies to the incoming freshmen while others may receive theirs at registration next fall. The T. C. A. requests all students to take their books, drawing material, slide rules and so forth to the book exchange as they will then be ready for sale to the incoming freshmen in the fall.

LAST SOCIETY OF ARTS LECTURE GIVEN MAY 23

The last lecture of the Technology Society of Arts will be given Tuesday afternoon, May 23, in Smith Hall, room 10-250 at 4.00 o'clock, the speaker being Dr. A. E. Kennelly, acting head of the department of Electrical Engineering, whose subject will be "Signalling Without Wire." The resources of the Institute laboratories make the illustrations and experiments of these lectures of greatest interest, and herein they fill a gap in modern education which demands such presentations of the scientific marvels that have become part of our daily intercourse. Tickets to the limit of the largest auditorium of the Institute, which is in fact as large as will afford good views of the experiments, are to be had of the principals of the various high schools in Boston and in the neighboring cities.

EXECUTIVE COMMITTEE MAKES FACULTY CHANGES

At the last meeting of the Institute Executive Committee leave of absence was granted to Professor, Dugald C. Jackson, head of the Department of Electrical Engineering, who has gone into Government Service, and F. H. Lahee, assistant professor of Geology. Three men have resigned their positions, Ernest W. Chapin, research assistant in Electrical Engineering, who has been drafted, and Paul H. Burkhardt and Guy A. Gray, assistants in Electrical Engineering, who has gone to the Bureau of Standards in Washington. Professor D. F. Comstock of the department of Physics, and Stephen Codman and Charles Everett, associate and assistant professors, respectively, in Architecture, have resigned.

The appointments include Ralph J. Crosby, a Senior graduating the present month, assistant in Mechanical Engineering; Arthur Litchfield Russell '18, assistant in Electrical Engineering; Heichi Nukiya, research assistant in the same department and James A. Beattie '17, now a post-graduate student, assistant to Professor McInnes in research work in Physical Chemistry.

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