Acoustics LabWorks

On Tumor Technique

Ultrasonic May Give New Brain Diagnosis

A new approach to the problem of detection and diagnosis of brain tumors is being investigated by the Acoustics Laboratory under a $20,000 contract for "Detection of Intracranial Pathology by Ultrasound."

The project is still in its infancy and many years of research before clinically satisfactory methods of diagnosis can be perfected. Yet, it is a real possibility that ultrasonic may find many important applications in medicine in the future.

Before commencing this project, the Washington University and Professor Bolt visited Doctors K. and T. in Austria. The Austrian work is in the use of ultrasound for brain tumor detection and the selection of extension and resection of their work.

When a beam of ultrasound is sent through the brain, a certain amount of the sound is reflected and reabsorbed before it reaches the opposite side. The amount is determined by the density, viscosity and density of the media through which the beam passes. Studies of these factors are being made in order to produce a "picture" of brain topography as a result of these studies.

A beam of ultrasound is sent through a region of the head and the transmitted intensities are plotted up to give a graphic picture of the brain's interior.

The information obtained from these experiments has been successfully checked on the liquid filled vessels in the brain.

The admission charge is thirty cents.

Fires Foiled By Sprinklers, Bells, Fire-Control Door

By ED LEONARD

What the prestige of the Institute and a terrible confession which could level millions of dollars worth of damage to the Institute and any neighborhood and town if fire were started? How serious have these fires been to the Institute?

The answers to these and many other specific questions concerning the Institute's fire protection appear in the office of Chief Engineer F. T. Robinson.

The fire alarm system that was installed is unique because it is a fully automatic. The system is operated by a small electric motor which operates a valve on the main water supply. The valve discharges water into the main fire hydrant, which in turn supplies water to the building. The system is completely automatic and does not require any supervision.

In the event of a fire, the alarm is transmitted to the fire department by a wireless transmitter. The alarm is a signal that the fire has been detected, and that the fire department should be called.

Once the fire alarm is received, the fire department arrives on the scene and begins to fight the fire. The fire department uses a variety of tools to combat the fire, including hoses, water, and foam. The fire department is trained to handle a variety of fires, from small kitchen fires to large apartment buildings.

The fire department also uses smoke detectors to detect fires before they become dangerous. These detectors are located throughout the building and are connected to a control panel. If a fire is detected, the control panel sends an alarm to the fire department.

In addition to the alarm system, the Institute has a fire safety program. This program includes regular inspections of the building, fire drills, and training for all employees.

The Institute also has a fire department on site. The fire department is staffed 24 hours a day, 7 days a week. The fire department is equipped with the latest technology and is trained to handle a variety of fires.

In conclusion, the Institute is well prepared to handle fires. The Institute has a comprehensive fire protection system, a trained and prepared fire department, and a fire prevention program. With these measures in place, the Institute is well prepared to handle any fire that may occur.
The Ch! Phi Bohemian party last Saturday night featured what tradition calls "a little bit of ease on a South Sea island." The Chi P!i provided the chance to see what it would actually be like. They covered the walls with murals portraying beautiful girls who were glad in nothing but modestly chastisely. During an intermission, they presented a short abit about life on a South Sea island. As an added attraction, oaks of the dance performed a hula dance.

The tennis players for the dance, incidentally, they have a reputation among their fans as one of the most successful tennis teams of recent years.

Fire Control

Because of the susceptibility of books to damage by water from a sprinkler system (which might re- cently have been installed), the entire library is protected by an electrical alarm system, which is connected to a & P's alarm system.

The authoritative library is mounted thousands of small units, the most interesting of which consist of two flakes about which the non-conducting fiber are. Heat in areas of 35 degrees Fahrenheit is needed to make contact through the area. This complies a low-voltage circuit and sets off the alarm throughout the library and B & F. The library is also equipped with several fire extinguishers, and manual alarm boxes.

Alfred was indeed the fair, the only one among the public help to make Tench one of the best public assistance in the country, the safety department is continually trying to improve and enlarge their equipment.

In Dendron's two years here as Safety Engineer, there have been no serious fires. More amazing is the story offered by Professor Barl Indred, fire marshal during the war. During his term of office there was not a single report of fire due to bombs.

Robot

(Continued from Page 1)

Stebbins '12, David Kemper, G. Stanley M. Kewley '38, Jere L. Searby '39, Roy Weinstein '31, Leon M. Pollak '33, Michael W. Murawski '33, and Byron O. Gardner '38.

The play will be presented Friday, May 12 and Sunday, May 14 at the Peabody Playhouse, 207 Charles St., Boston. Curtain time is 8:00 p.m.
Beaver Sailors Win Sharpe Trophy, Championship

Continuing a spring season of unprecedented competition, the Beaver sailors brought home two more wins and ribbons over the weekend. Sunday's Fifteenth Brown University Spring Regatta handed the Beaver sailors the coveted Sharpe Trophy as well as experience in the boats to be used in next week's New England Championship.

Off to a slow start, and nine points behind the leaders Brown team, the Beavers relentlessly pushed up on the leaders.

But in the final race a sudden burst of the Techmen put them ahead of the Beavers 200-95. Following the top two teams were Princeton, with 11 points; Coast Guard in second place school was Harvard, with 38 points to Technology's 42. Other schools participating were R.T., N.C. Northanders, and Tuffs.

The Freshmen sailors took sixth in a managed meet, on the Charles Sunday. Jake Kerwin in B division took a second place with 30 points, one point below the top man's total. In division A, another protest was made, but the Beard sailors had won and cost them the meet.

Adelphi Edges Tech Lacrosse Men 10-8

At Briggs Field last Saturday afternoon the Beaver lacrosse team met the stiffest of the season from Adelphi and emerged a 10-8 loser. It was the third game out of four which the Beavers have played in a winning rain.

Although Techmen had two of their finest in the game, second period Miller was able to keep the Beavers on the defensive. The Techmen had two goals in the final minute of the second period, and a double play in the fourth, in which Miller was the third man out. The Techmen scored 1-0 in the first, 1-0 in the second, and 3-0 in the fourth period.

Safely home and in high spirits, the Beaver sailors are looking forward to next week's New England Championship.

Golfers Top Twicere Beaux, Colby

The Tech golf team defeated Bates, 7-2 and Colby, 9-1, on successive days at the Oxy Comrty Club last week. Of the two scores by Bates on Friday, one was gained on the Anal hole.

The varsity score: Brown 80, M.I.T. 54.

Tennis Team Loses To Brown For First Setback This Season

The Tech tennis team went down to its first defeat of the fall season last Saturday, bowing to Brown University's trackmen, 6-3, at Brown, in a meet that was run off in a steady rain.

The Bruins, who beat the Techmen by a 57-51 score in an indoor match last winter, won without the services of Gil Borjeson and Dick Adams, who missed the meet.

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Dixon's Pitching, Tight Defense Gives Beavers 2-2 Tie With BC Nine

Strong armed Dixie Dixon scattered seven hits to pitch the Beavers into a 2-2 tie last Thursday afternoon at Briggs Field with a strong Boston College squad which represented New England in the 1949 NCAA Finals.

Get Your Patronage Refund on purchases of GAS and OIL

Car Washing and Greasing

Car drivers at Tech may cut down on the cost of operation if they are members of The Technology Store. Visit the Authorized Garage for the purchase of gas and oil, and for washing and greasing. The charges will be credited for a Patronage Refund.

Church Street Garage

41 Church Street
near Harvard Square

Make it a habit. Buy your gas and oil at this Authorized Tech Store Garage.

CASH SALE

Reductions are now taken thru-out Spring and Summer stock—During this interval standard ranges of highly seasonable J. PRESS Own Make ready-to-wear clothing, exclusively made and imported hats, furnishing accessories, and recreation wear becomes available at desirable savings in price—A favorable moment in which to equip and restore your wardrobe to the fullest advantage.

TUESDAY, MAY 2

THE TECH

DICKIE BOP

AT

SMILING JACK'S

COLLABORATIVE BAR

335 MASS. AVE. BOSTON
OPEN EVENINGS TILL 11 P.M.

GENTLEMEN'S TAILORS & FURNISHERS

82 MT. AUBURN ST.

HARVARD SQUARE — CAMBRIDGE
Concert Thur. In Great Court

Symphony Orchestra's Season Closes May 12

A free concert by the Rutaun's Concert Band will be given Thursday at 4:15 p.m. in the great court in front of Morss Hall. The concert will feature the Symphony Orchestra, with Nathan Levites as soloist, in Hindemith's "Pieces for the String Orchestra," and the "Outdoor Overtures" by Copland. Tickets on sale in the lobby of Building 10, May 10, at 90 cents each, will go on sale in the lobby of Building 10 beginning Monday, May 8.

Light Crews Lose Two, Tie One With Harvard

Last Saturday on the Charles River, the heavier lightweight crews raced against Harvard, losing two races and tying one. The winning boat was Harvard by three and a half lengths after two false starts that delayed the race and the JFK lost to the Crimson by four lengths.

In the freshman competition the freshmen took an easy lead which Harvard closed in the last quarter mile. The crew's matched strokes for the last few yards and finished in a dead heat.

Lacrosse (Continued from Page 3)

The second period making the score 6-4 with Adelphi ahead. The fourth period saw the teams mixed up and tying one. The varsity lost, 12-4 count. In a J.V. game at Middletown the young Beavers lost by a 12-4 count.

Rugby Club Loses To Yale In Finale

League at Technology completed its first regular season at Harvard last Saturday, when the rugby club had a hard-fought game at Yale 9-6. Although the squad failed to win a game this spring the season can hardly be called a loss. For in playing Dry League competition they were only shut out once. Several of the squad's matches, including Maurice Kantor's, will not be back for the fall season. However, many of this year's standouts will be reinstated and will add to a substantial number of returning undergraduates that should add up to a successful continuation of rugby at M.I.T.

NOTICES

Conflict Exam

Applications for conflict examiners or assistants not listed on the May-June 1950 Examinations Schedule can be made after 5 p.m., Wednesday, May 10.

Senior Advisors

Applications from present members of the class of 47 who will be seniors next fall and who would like to have a departmental advisor will be accepted at the office of the Dean of Students up until 12:00 noon Friday, May 5. Letters of application should include a brief statement of qualifications and reasons why applicant wishes to become a Senior Advisor. Twenty students will be selected. Applicants need not be previous residents of the dormitories. Forms of compensation have yet been decided.

ATTENTION

BACHELORS—MASTERS—DOCTORS

If you plan to rent a cap and gown through the Coop, your order must be placed before May 12.

Cancellation of orders will be accepted through May 22.

TECHNOLOGY STORE

Schafer Pale-Dry

the new beer that both light and dry

The F. & M. Schaefer Brewing Co., New York