TEXTILE PROBLEMS BEING STUDIED IN LABORATORY HERE

Device Normographic Charts for Simplifying of Textile Calculations

DESIGN NEW EQUIPMENT

Important Problem at Present is Industrial Application

(THis is the fourth of a series feature articles within describing the work of the Massachusetts Institute of Technology and the research and development projects which are regarded as outstanding contributions to the textile industry. The two previous articles, presented last year, were devoted to the work of the University of Massachusetts and the work of the University of Illinois.)

The Laboratory of the Massachusetts Institute of Technology has engaged many men who have conducted research and development projects which are regarded as outstanding contributions to the textile industry. The two previous articles, presented last year, were devoted to the work of the University of Massachusetts and the work of the University of Illinois.

A. Gardner Dean, 

DEAN WILL MANAGE VARSITY SWIMMERS

Who Sophomore Manager Last Year, Will Manage Freshman Meet

A. Gardner Dean, who was elected manager of the swimming team, according to an announcement made at a meeting of the Senior and Freshman Committees, has been appointed manager of the swimming team for the coming season.

Dean is a resident of Chevy Chase, Maryland, and entered the freshman class in the fall of 1930. He is a member of Phi Delta Phi and a member of the swimming team.

The committee consists of the following members: A. Gardner Dean, manager; R. W. Smith, assistant manager; and R. C. Eddy, junior manager.

A. Gardner Dean has been associated with the swimming team since his freshman year and has been a member of the team since his sophomore year.

Scholastic Ratings For Last Term and Standing Since 1924

Committee Complete Plans for Dance Held April 5

Final plans for the dance party of April 5 have been completed and the committee will be in charge. The dance will be held at 8 o'clock, according to the plans made for the event.

The committee consists of the following members: A. Gardner Dean, manager; R. W. Smith, assistant manager; and R. C. Eddy, junior manager.

The committee is composed of eight members, and the dance will be limited to the eight members.

ROGERS TO BE SCENE OF MILITARY DANCE

Technology's chief military social function, the annual ball, is scheduled for the Exhibition Hall of the Institute on Friday, March 27. The dance will be held at 8 o'clock, according to the plans made for the event.

The committee consists of the following members: A. Gardner Dean, manager; R. W. Smith, assistant manager; and R. C. Eddy, junior manager.

The committee is composed of eight members, and the dance will be limited to the eight members.

Skiing has always been a favorite event among the students, and this year's exhibit will bring together some of the finest skiers in the country.

SLIDE SHOW WILL BE GIVEN PRIZE BY CARNIVAL COMMITTEE

Official Undergraduate News Organ of M. I. T.

Most Delagated Costume of the Day to be Given Prize by Carnival Committee

OVERALLS WIN ONE TICKET

Official Ski Show for all ungraduates of the Institute will be presented in the exhibition hall on Friday, April 3, the day of the Senior Evening. The ski show will bring together some of the finest skiers in the country.

The ski show will feature a variety of different types of skis, including those used by the military and those used by the civilians. The ski show will be held at 8 o'clock, according to the plans made for the event.

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Skiing has always been a favorite event among the students, and this year's exhibit will bring together some of the finest skiers in the country.
AWAY FROM THE GRIND

Carlos D. Whitaker '27, former General Manager of U.T. Show, is visiting Boston this week-end.

Kappa Sigma

To think a student who would believe the Internet Act, the pink elephant, and the absence of a library is out of the ordinary! On the contrary. However, there is nothing more than a willingness to learn. The only way to learn the game is to play it, which is contrary to the drudgery of fundamental learning which characterizes many quarters, from the start to the players, then, and fashioning with much of their imagination, the game offers the essence of the American ideal of play.

FALLOUT OF COPYNOTES

I suggest that an instructor who demands that a student should be compelled to take out a license to sell them. A man asking for a notebook to scribble verse in or to his face. If so, well and good. But if it wants to cram the game with notes of the notes that his lecture notes have made of some other lecturer's notes, and all in order that he may copy them (and of course the notes of the notes of the notes of the notes of the notes of the notes of the notes of the notes of the notes) he must be driven out of the shops. Let the student buy himself a copy of a notebook, with an apron and a few English books, sit on his tutor, take a look at things for himself, and then make a note or two. He may find that he needs two or three rooms of good books, having discovered a world of his own, or he may find that he needs nothing at all, but what he certainly will not want is a thick notebook.

While this sarcastic comment on the inefficacy of voluminous notes was written about Oxford, it might very well be applied to Technology. Whether they carry them in "brown-hats" or not, they all have the same patient - inextinguishable and discouraged notebook in which he copies, as fast as he can, the words of wise men. He dies of the labor of his little notes. It is not the fault of the students that have gained from some other teacher; without a doubt the student should have learned from the text itself, but he can copy and recopy and transcribe feverishly until he is so far behind in the race that he gives up. His work is not his own. But it is not the fault of the student that has not understood what he was, nor will he get anything from what follows.

The essential feature of good notes is to record the professional verbatim, or at least in the student's handwriting when it comes to assimilating his text material.

Note-taking is not an art few acquire. It requires effort from the instructor, and thought, and imitation, and practice and the student. As is physiologically the case, the notebooks are made to suit the speaker's needs and his tastes. It is not the fault of the student who copies a lecture, how much he copies, or whether he copies it or not. Notes are necessary, but too many are a wasteless task.

THE TECH, Volume XLIII, takes pleasure in announcing the election of Joseph Valverde, Jr., '22 to the staff of the Treasurer Department.

PHI BETA EPSILON

A tea dance was given by Phi Beta Epsilon Saturday afternoon, Twenty-first Street.

LAMDA CHI ALPHA

A truly musical atmosphere reigned the Lambda Chi Alpha house Saturday evening. The dance, which was preceded by a buffet supper, was to celebrate the return of the house. Over a hundred couples danced to music played by Joe Yorens retired orchestra.

DELTA TAU DELTA

Carlson D. Whitaker '27, former General Manager of U.T. Show, is visiting Boston this week-end.

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METROPOLITAN

As We See the Movies

To those who enjoyed Little Davy and interested in the stage, "The Singing Fool" is this four year old actor's second feature. Now being a star with a marine trade, he has a definite start in the musical stage. "The Singing Fool" is an even better vehicle for this young star than in which he made his debut. Those of us who have watched "The Singing Fool" will be interested to know that there are still plenty of situations to be taken. The story follows the life of a young actor, and there is ample opportunity for laughter, as the stage life is full of complications and situations unusual to the average movie-goer.

In the picture, Davy is the son of a wealthy family who has no further use than to enable me to sell things. He finds the official newspaper of the magazine. In the picture, Davy is the son of a wealthy family who has no further use than to enable me to sell things. He finds the official newspaper of the magazine.

April Review To Be Sold Today in Main Lobby

"Cameras With Eyes" by Joseph Ball is the subject of this issue.

In the April "Technology Review," which goes on sale today in the Main Lobby, the feature article concerns the development of cameras with lenses. Joseph A. Ball, 27, tells the story of the latest of optical science. Numerous pictures illustrate the invention of the latest of optical science. Better eggs - the official newspaper of the magazine.

F. C. Fahnestock '30 E. W. Harmon '30

Is Verveer, Jr. '30 W. B. Schneider '31

Of its advantages and disadvantages which have been determined until sufficient interest warranted further investigation. The news of the world is a question of interest.

Continuous writing efforts have so occupied his thoughts that he has not un-
SWIMMERS BREAK 12 RECORDS

Tank Men Win Six of Nine Dual Meets, Leaving One Old M.I.T. Mark Unbroken

1929 TEAM RATES AS BEST AT M.I.T. IN SEVERAL YEARS

Brown, West Point, W.P.I. Are Only Teams to Defeat Engineer Team

SECOND IN NEW ENGLAND

Having completed the season with a list of very creditable victories, the 1929 swimming team may fairly be called the best that the Institute has ever fielded. One of the main causes of the breaking of twelve Technology records in the meet was the recent fact that the fifty-yard freestyle was three seconds faster than the previously held record of 31.5 seconds.

While the team has shown a tremendous improvement over those of the previous seasons and has proved itself to be among the best outfits in New England, it is evidence of the efforts of the team that the Institute has had to compete with large collegiate swimming teams in the New England championship meets. Another interesting feature of the season has been the fact that the Institute in the three hundred yard medley, which is held by Ed Hancock of the Massachusetts Institute of Technology, out-scored the Engineers swamped them completely, 43-27.

Lowest Times

The team broke the tank record by doing Amherst in a close meet at the University of Massachusetts in the three hundred yard medley, which is held by Ed Hancock of the Massachusetts Institute of Technology, out-scored the Engineers swamped them completely, 43-27.

LADDER PLAY FOR TENNIS TEAM WILL START ON MONDAY

Manager White, Captain Cleary, and Wigglesworth Talk to Candidates

After a week of hard practice the technology crew went out on the Charles Saturday for time trials in preparation for the first meet with Navy in three weeks. The Jay Vees did not the expected and won from the first Varsity boat in a trial by the narrow margin of five seconds. The Jay Vees then rowed over the course which extended from Cottage Farm Bridge to Harvard Bridge. Both even used their shells, the first Varsity having the new one which was recently purchased.

Manager White Announces

Jay Vees Win Again

Coach Hancock shifted the crew to the Charles last Tuesday afternoon, adding the finishing touches on the training which has been going on for the past five weeks. The new boat was named the second Varsity and it is expected to do well in the upcoming meet with Navy.

Navy will meet the Register, the University of Pennsylvania's tennis team, and Edgeworth booster.

Sports Desk

Charles Dennis, manager of the 1929 cross country team, has had the hard task of eliminating the training practices which have been held throughout the season. The team is not being treated at the infirmary he was allowed to go home.

At the time, a week ago last Saturday the Michigan Track team triumphed over Cornell in an indoor meet. Michigan was strongest in the track events while Cornell had the edge on the field. This should give the remaining infirmary to winter sports which will be held under the New Year meetings meet the Cornell track team.

Tennis season has been the topic of conversation throughout the season. The tennis team won a game against Williams yesterday, and is now in a position to do well in the New England tournament.

The lineup was again changed after the first game with Dartmouth. The Varsity then resumed possession of the two crews went on the Charles today, though the Jay Vees will have the privilege of using the new shell. It is announced that the crews as soon as possible will be ready for the first race with Navy.

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NOTICES AND ANNOUNCEMENTS

Of General Interest

Theory of Metalllic Conduction
Prof. W. Heisenberg
Monday, April 1, 4 P.M., Room 4-231

Professor W. Heisenberg, Director of the Institute of Theoretical Physics of the University of Leipizig, will give the eighth lecture in the series on "Modern Physics," the subject of which will be "Formation of Magnetism."

Student and faculty members of the Institute will be admitted.

Hydraulic Experimentation
Dr. Ing. Theodor Rohrbach
Tuesday, April 2, 2 P.M., Room 5-330

Dr. Ing. Theodor Rohrbach, Professor of Hydraulics at the Technische Hochschule, Berlin, will give the fourth lecture of a series on "Theoretical and Practical Aspects of Hydraulic Experiments." The lecture is open to students and members of the instruction staff.

Unusual Use of Chlorine
Mr. Robert Spurr Weston
Lecture postponed until Tuesday, April 2, 10 A.M., Room 4-189

Mr. Robert Spurr Weston, Civil Engineer, will speak on "Unusual Use of Chlorine in the Municipal Sanitation on the subject of "Unusual Uses of Chlorine."
The lecture is open to students and members of the instruction staff.

Ancient Life in Central Asia
Wednesday, April 3, 7:15 P.M., Emmons Rogers Room

Professor F. K. Morris of the Geology Department will speak on "Ancient Life in Central Asia." All who are interested are invited.

Calendar

Monday, April 1
6:00- M. I. T. A. A. Meeting, Committee Room, Walker.

Tuesday, April 2
6:00-Bingo Club Meeting, East Lounge, Walker.

Wednesday, April 3
4:00-Chemical Club Meeting, Science Building, 2-330.

Thursday, April 4
6:00-Bingo Club Meeting, East Lounge, Walker.

Friday, April 5
8:30—Don Quixote, Lane Chapel.

Saturday, April 6
8:30—Dinner, Rogers Building.

Undergraduate

SINCE THE Foundation of the Student Government in 1923, the student body has known and been ruled by Constitution. Since then, the Constitution has been much changed, but in many ways it has been strengthened. The present Constitution is a codification of the old Constitution and an attempt to make it more understandable to the undergraduate. The Constitution is now in the hands of the Student Council for adoption. All students are urged to study it carefully.

Soccer Candidates
A senior soccer team will be selected from the senior class.

Crews Organize for Navy Meet
April 20

Will Practice Today
With Crews Picked Last Saturday

(Continued from Page 9)

Debates American Foreign Policy
Spokesmen Will Be P. K. Kayser '25 and T. W. Mackesey '31 of Debating Team

American armed intervention in the Far East is one of the topics of debate that will be held by Professor James L. Busch and Professor T. W. Mackesey '31 of the Foreign Policy Debating Team.

Rogers Notes
In a recent course taken at Roger's Institute, Mr. Robert Spurr Weston, Civil Engineer, exhibited the first year design students to the importance of the principles of design and the regulations used in the practical work of the design department. The principles of design were carefully studied by the students, and the regulations were explained in detail. The lecture was one of the most interesting in the course, and the students were very pleased with the results.

Instructor's Notes
Mr. Robert Spurr Weston, Civil Engineer, has been a member of the faculty of Roger's Institute since 1925. He is widely known in the field of hydraulic engineering, and has been active in the American Society of Civil Engineers for many years.

The lecture is open to all students and members of the instruction staff.

Contributions to Textile Industry Made by Institute Laboratory

Testing Equipment and Methods for Comparing Fabrics Being Developed

(Continued from Page 1) These methods will be used in the testing of fabrics and will be of great value to the textile industry.

The laboratory is now equipped to make accurate measurements of textile properties, and will be of great value to the textile industry.

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