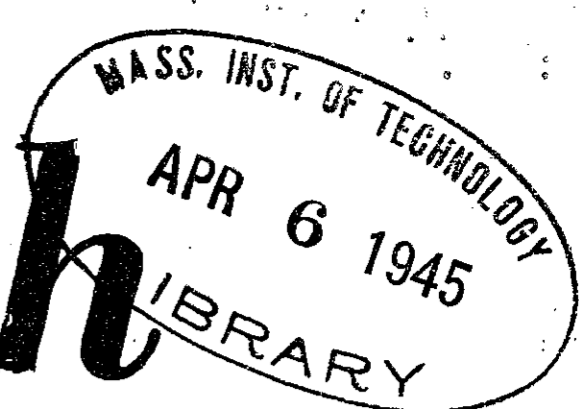
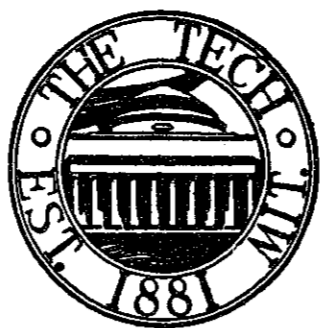


The Tech



Vol. LXV, No. 11

CAMBRIDGE, MASS., FRIDAY, APRIL 6, 1945

PRICE FIVE CENTS

Redeem Prom Options Today

Sat. Parties To Be At Phi Delt, S.A.E.

Junior Prom ticket options may be redeemed today from 11:00 A.M. to 2:00 P.M. in the Lobby of Building 10. The redemption price will be \$3.00, making the total cost \$6.00. The Prom will be held on Friday evening, April 20, in the Imperial Ballroom of the Hotel Statler. Dancing will be to the music of Mal Hallett and his Orchestra.

Sigma Alpha Epsilon and Phi Delta Theta have been selected by the Junior Prom Committee as the sponsors of the Saturday night fraternity parties. The first will be a "beer" party while the latter will be a "punch" affair. A large informal dance will be held in Walker Memorial at the same time. Ken Reeves and his orchestra will supply the music.

Table reservations may be made on Monday, April 9, by presenting two J.P. tickets in Building 10 between 11:00 A.M. and 2:00 P.M. The tables will seat five couples each. On Wednesday all five tickets must be presented at the desk in Building 10 if the reservation is to be made permanent.

Spring Frolic Set for Tomorrow Eve

Reuben Moulds To Play For Morss Hall Dance

Tomorrow, April 7, climaxes the preparations of the Dormitory Committee and the 5:15 Club for the additional Spring Frolic which will take place in Walker Memorial from 9:00 P.M. to midnight.

The joint committee headed by Thomas F. Kelley, Jr., 2-46, of the 5:15 Club; and T. Nicholas Berlage, 6-45, of the Dormitories, is placing the emphasis, this year, on the decorations, which center around a large fountain and attendant three foot column of water which is to be erected in the center of Morss Hall.

Reuben Moulds' sixteen piece orchestra will supply the music for the dance, playing several of his own arrangements. All the lounges

J. P. MAESTRO



Mal Hallett, whose orchestra will play at the Junior Prom on April 20.

Inst. Committee Takes Charge Of "Pops" Tech Night

Votes Down Proposal Concerning Class "B" Inactive Activities

A committee to investigate the possibility of obtaining tickets for students for Tech Night at the "Pops" and headed by John F. Marr, 2-46, was appointed by Kirk Drumheller, 6-45, president of the Institute Committee, at the meeting of that body yesterday afternoon. This move was made after the Institute Committee had voted to take over the sponsorship of the affair.

Before the war Tech Night constituted a part of Senior Week; however, for the last several years Tech Night at "Pops" has been conducted by the Alumni Association. Last year, under Alumni sponsorship, tickets for the main floor and the front part of the balcony were reserved solely for Alumni, while students and faculty members experienced difficulty in obtaining seats.

Constitutions Changed

The major part of the Institute Committee meeting, which lasted for a little over an hour and a half, was devoted to obtaining the approval of the Committee on certain changes in the constitutions of

(Continued on Page 3)

Official Notice

Applications for loans and/or undergraduate scholarship aid for the summer and fall terms of 1945-46 must be filed at Room 3-108 before April 21 on blanks which are now available at that room.

Prof. de Forest Dies Yesterday In Marlboro, N. H.

Was Full Professor, Internationally Known Mechanical Engineer

Prof. Alfred V. deForest, a full professor in the department of Mechanical Engineering at the Institute, and internationally known engineer, died suddenly at his summer home in Marlboro, N. H., yesterday. He was fifty-six years old.

Professor deForest was graduated from the Institute in Naval Architecture in 1912. His first engineering post was in the drafting department of the New London Ship & Engine Company. A year later he joined the staff of Princeton University as an instructor in engineering, combining his teaching with advanced studies in metallography under Dr. Donald P. Smith of Princeton and Dr. William Campbell of Columbia University.

Achieved Recognition

From 1916 to 1918 Professor deForest was an associate research engineer of the Union Metallic Cartilage Company, Bridgeport, Conn., and from 1918 to 1928, he was research engineer of the American Chain Company. It was during these years that he achieved an outstanding reputation as a consulting engineer specializing in the application of various special tests and inspection methods to metals.

Professor deForest was best known in the engineering world for development of the Magnaflux Test, a magnetic method of discovering defects in metals, and founded the Magnaflux Corporation of which he was president. On three occasions he had been awarded medals for his work on the strength of machine parts and the relation between design, metallurgy, and the applica-

(Continued on Page 3)

New Revisions In Curriculum Begin In July

Course Consolidations And Added Humanities Form Main Changes

Extensive changes will be made in the entire undergraduate curriculum beginning with the Summer term in July 1945. These changes, which were approved recently by the Faculty, will be included in the new catalogue now in preparation. Prof. Earl B. Milard was in charge of the Faculty Committee which prepared the revised program.

The essential points in the new curriculum are:

1. There will be a standard first year curriculum for all courses.

2. The second year curriculum will also be standardized, but it will contain two sub-divisions—an engineering group and a science group. This will allow engineering students to take Applied Mechanics (2.00), while science majors take Chemistry (5.11 or 5.12). Furthermore, between eight and twelve units will

(Continued on Page 4)

Magoun To Deliver Marriage Lectures

Series Of Four Talks Sponsored By T.C.A.

The first lecture in Prof. F. Alexander Magoun's annual spring series, "In Preparation for Marriage," will be given on Thursday, April 12, in Huntington Hall, Room 10-250. These lectures, sponsored by the Technology Christian Association, are to be presented from 4:00 P.M. to 5:00 P.M. and again from 5:00 P.M. to 6:00 P.M. on the consecutive Thursdays April 12, 19, 26 and May 3. The four lectures will be concerned with the problems arising after marriage.

The spring series "In Preparation for Marriage" is a continuation of the previous lectures, which were attended by a total of 2,500 persons. Repeat lectures are planned to accommodate the expected large audiences.

The Tech



Vol. LXV

Friday, April 6, 1945

No. 11

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PROF. ALFRED V. DE FOREST

Yesterday the Institute received the sad news that Prof. Alfred V. de Forest, '12, had died suddenly at his home. This is the second loss that the faculty has suffered in the past two weeks.

Professor de Forest, a full professor in the Mechanical Engineering Department, was world-famous for his work in that field. Although physically handicapped, Professor de Forest carved a prominent place for himself in the engineering world. His achievements and his persistence in overcoming his handicap should be an inspiration to all of us at the Institute.

FOOLISHNESS

Last night the Institute Committee, governing body of the students at the Institute, held its regular biweekly meeting. The meeting was principally notable for its length and the incredible ignorance displayed by the members.

As members of the governing body, members of the Institute Committee are expected to know more about the problems of student government than the average student. Yesterday they showed that they might know even less! The agenda of the meeting was published and posted sufficiently in advance for every member to acquaint himself thoroughly with the matters to be presented at the meeting.

Only a half-hearted attempt was made to ascertain whether or not the activities slated to be declared defunct were really defunct. An hour was wasted while the members haggled over this and that activity and its relative inactivity. It certainly seems that the only action to take with activities which have been defunct for a year or more is to declare them defunct. The motion to do so failed to receive the necessary vote largely because of the confusion brought about by bringing up trivial details when a matter of principle could and should have been decided.

Spring Frolic

(Continued from Page 1)

will be open, as will the terraces, weather permitting. Refreshments will be served during intermission.

Tickets will remain on sale until tomorrow noon, and a limited number will be sold at the door. The Dormitories will hold open house Saturday night from 8:00 P.M. to midnight.



Speaking of Operations!

An invasion fleet of several hundred warships uses some 48,000 telephones—from 1,500 on a battleship to 10 on a motor torpedo boat. That's as many as are used by most cities of 160,000!

Our fighting men are using telephones, wire, switchboards, and other communications equipment in huge quantities. And Western Electric workers, peacetime suppliers to the Bell System, are busy meeting those needs.

That is why there are not enough home telephones right now. But we are looking forward to the day when the Bell System can again provide telephone service to anyone, anywhere, at any time.

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Crews Prepare for April Race

Horkilsen Strokes Experienced Varsity

The race with Navy and Har- on April 28 draws closer, Jim illin is putting his four leading s through their paces six days k. Although the weather dur- he past week has not been ex- conducive to good rowing, the g form of the men seems to be oving.

The varsity boat at present is manned by four varsity let- en and four newcomers. Last s stroke and Captain, Hal kilsen, still holds down both important positions. Jim und at 7, tall Chick Street at d Dave Clare at 4, are all mem- of last Spring's good varsity and are expected to be the one of this term's crew. John at 5, Big Bill Pockman at 3, tball star Ted Heuchling at d Bill Rapoport in the bow out the first eight at the mo-

Debating Society Meets at Point Sat., April 7

The Debating Society is holding a e against the West Point De- g Society this Saturday at 2:30 The meeting, to which all are d, will be held in Room 6-120. e subject to be discussed is the sed establishment of an inter- al free trade policy.

F. deForest

(Continued from Page 1)

of load in modern machinery. fessor deForest joined the y of the Institute in 1934, as ant professor of Mechanical eering and was promoted to ank of Professor two years For the past few years he een engaged in important war ch.

S.A.E. Five Routs Sigma Chi's, 39-14

Quintet Nears Second B.K. Basketball Title

As the Beaver Key tourney draws to a close, it appears that the S.A.E.'s will have won their second basketball championship in as many years. They clinched the title to all intents and purposes with a 39-14 win over the Sigma Chi's in the only game played this past week.

After a slow first quarter, play speeded up and the S.A.E. team, consisting of Krieger, Halberstadt, Hoaglund, Rogers, Robertson and Brown, drew steadily away from their opponents. Brown was high scorer for the victors. The Sigma Chi five put on a spirited fourth quarter rally, but the S.A.E. lead was insurmountable.

The S.A.E. team has still to face the Dekes and the Theta Chi's and the latter may put up a stiff fight.

Inst. Comm.

(Continued from Page 1)

several of the student activities. These corrections were revealed necessary after a survey made by the Walker Memorial Committee of activity constitutions.

Minor changes were made in the constitutions and by-laws of the Senior Ring, Budget, Institute, Junior Prom, Walker Memorial, Elections, and Senior Week Committees. Also approved were changes in the by-laws of Tau Beta Pi, the honorary engineering so- ciety.

Class B Activities Discussed

Among the major points dis- cussed at the meeting were the problems of the various Class B activities which, because of the war, are not functioning, or are inactive. A resolution was intro- duced by David P. Flood, 6-45, to have the Institute Committee of- ficially recognize these organiza-

Spring Frolic Decorator Plans Riot Of Color

That guests at the Spring Frolic will be treated to a riot of color, splashed wildly amid flowers, ferns, and beautiful music, is the conclu- sion to be drawn from a detailed description of the decorations, re- vealed last night by the decorations chairman in an exclusive interview.

A couple arriving at Walker Mem- orial may walk on a red plush car- pet up the steps of Walker Mem- orial, and enter the front hall into delicate canary yellow light. Gaz- ing to either side, they may look through the lounge antrooms, lit in orange amber, into the lounges, which will be violet. Should they as- cend to the second floor, they will walk in orange light up the stairs, through the orange trophy room, into Faculty Lounge, colored red, and onto the balcony, which will be a dim blue.

On the balcony, they may sit at one of the tables and gaze onto the dance floor. The first thing to strike their eyes will be the foun- tain in the middle of the floor, on which constantly changing, bril- liantly colored lights are playing. Should they choose to examine the fountain closer, they will find gold- fish disporting in it.

Amber lights will shine up the pillars around the room, and flow- ers and ferns will be in evidence everywhere, while over all, from the dim blue ceiling, the crystal ball will cast colored stars drifting around the room.

tions as defunct. After some argument, during which it was suggested that the Committee de- cide on a general policy for those inactive organizations, the mem- bers finally voted down Flood's resolution.

The Committee also received a report on the Red Cross drive and its collection total of \$291.75, and a report on the newly formed Pub- licity Committee.

Sailing Pavilion Opens Season; Race Saturday

Sailors Will Compete For Oberg Trophy Against Three Teams

The Sailing Pavilion opened for the summer last Monday, April 2, and the first regatta of the season will be held this Sunday, when the winner of the Oberg Trophy will be decided. Two of the skippers for the meet are Chuck Bloomer and Lee Brite; the third is still undecided. The team will have competition from Harvard, North- eastern and Tufts. The practice meet with Andover, scheduled for this Saturday, has been cancelled.

Shore school for all those inter- ested in learning to sail will start on April 16 and last for two weeks, with classes from 5 to 6 P.M. An- other group will be started on May 7, with classes from 6 to 7 P.M. Jerry Reed and Thomas Gouzoule are to head the teaching staff.

Sonnabend Takes Emerson Trophy

Roger Sonnabend captured the Institute Squash Championship and the Emerson Trophy last Tuesday when he defeated Tom Hewson in three straight games. Glen Dor- flinger tucked away the J. V. Cham- pionship on the same day by defeat- ing Frank Taylor, also in three games.

The Trophies, if they can be ob- tained, along with letters and num- erals will be awarded to those who have earned them at the annual Squash Team Banquet to be held at the Fox and Hounds Club at 7:00 P.M. on Thursday, April 12, instead of Tuesday, April 10, as previously announced.

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CALENDAR

FRIDAY, APRIL 6

5:00 P.M. Hillel Discussion Group—Faculty Lounge.

SATURDAY, APRIL 7

2:00 P.M. Sailing Race—Charles River Basin.

2:30 P.M. Debating Society—Room 6-120.

8:00 P.M. "Spring Frolic"—Walker Memorial.

MONDAY, APRIL 9

5:00 P.M. T.C.A. Lecture—Jordan Valley Authority.

5:00 P.M. Dormitory Committee—Ware Lounge.

7:00 P.M. Dormitory Bowling Tourney—Walker Alleys.

TUESDAY, APRIL 10

5:00 P.M. Christian Science Organization—Room 7-132.

7:00 P.M. Glee Club—Room 1-390.

WEDNESDAY, APRIL 11

5:00 P.M. Mathematical Society—Room 2-147.

5:00 P.M. T.C.A. Embassy (Professor Schell)—Room 10-250.

5:00 P.M. Intervarsity Christian Fellowship—Room 7-145.

5:00 P.M. Catholic Club—Room 10-275.

7:00 P.M. Rocket Society—Litchfield Lounge.

7:45 P.M. Senior Week Committee—Faculty Lounge.

THURSDAY, APRIL 12

4:00 P.M. Marriage Lecture (Professor Magoun)—10-250.

5:00 P.M. Marriage Lecture (Professor Magoun)—10-250.

5:00 P.M. Glee Club—Room 1-390.

FRIDAY, APRIL 13

5:00 P.M. Hillel Discussion Group—Faculty Lounge.

New Curriculum

(Continued from Page 1)

be devoted to introductory professional subjects.

3. Third and fourth year subjects will be more standardized in size in the future, and there will be a revision and consolidation of some subjects, especially where there are instances of the same course being taught to certain groups in one term and being spread out over two terms for other students.

4. There will be wider latitude in term loads without an increase in the total time for an academic year.

5. The present English, Economics, and General Study program will be replaced by a coordinated four-year program in the social sciences and humanities which meets the minimum requirements of the professional societies or other accrediting agencies with respect to non-professional work in professional schools.

6. Substitution of other subjects for those that are required will be restricted.

7. Different options will not be provided in the early years in the separate courses, except in the case of Biology, General Science and Engineering, and in Business and Engineering Administration, where the options were considered as being practically different courses.

First Year Program

The first year program will remain substantially the same. The

main difference will be that Engineering Drawing (D11) and Descriptive Geometry (D12) will be back on a six hour a week basis. The English will be the same as in the past for most students, although foreign students may take English under the department of Modern Languages, studying it as a foreign language.

Second Year Program

In their second year, students will take the usual Physics, Calculus, and Military Science, as well as a course much like the present E21T and E22T, The United States in World History. On top of that, the men in Engineering and Architectural courses will take Applied Mechanics (2.00), and those in Scientific courses will take Chemistry (5.11 or 5.12), and each student will take one professional subject depending on the course he is in.

Third Year Program

The third year courses will be somewhat different from what they are now. Subjects of small unit value will be eliminated and the material in them will be added to other courses of larger unit size; other courses of similar content may be consolidated. The third year students will not have any choice of options, except in Courses VII, IX, and XV. Therefore, the necessary specializations are to be obtained from a limited list of specified subjects or by a single elective

Prof. Schell Speaks At Tech Embassy

Religious Program Sponsored By T.C.A.

The Tech Embassy, a religious program held annually about Easter time and sponsored by the Technology Christian Association, will be held this Wednesday, April 11. The program is divided into two parts. Professor Erwin H. Schell, head of the Business and Engineering Administration Department will be the speaker for the afternoon session, to be held at 5:00 P. M. in Room 10-250. The topic of his half hour lecture is "Spiritual Support and Personal Accomplishment."

The second part of the program will be the private dinners at which certain clergymen and laymen will speak briefly and lead the discussions groups. The speakers have been invited to the dormitories and fraternities where they will encourage the members to express their views on the subject of discussion.

subject. Substitutions for many courses will be forbidden, and for the rest, they will be limited.

There will be no standard course for all Juniors, except that all will take Economic Principle (Ec11) their first term and one of the three options given in humanities the second term. The choices are Psychology, Labor Relations, and Industrial Economics.

Fourth Year Program

In their fourth year, students will be confronted with much the same arrangements as in the third. In addition, a thesis of at least nine units will be required in all courses. Seniors will also have a non-technical subject. The choice will be among History of Thought, Music and the Fine Arts, Western World Literature, and International Relations. It is expected that the student will follow the same field through both terms.

Social Sciences

The Humanities and Social Science program closely follows the suggestions outlined in a report of the Committee on Engineering Education After the War. It eliminates all of the present General Studies, but not the languages. For a while, a few General Studies will be offered to fill in a few hours that students need to make up their quota. For instance if four more units are needed, the student could take a General Study, but if there were more units needed, he would have to take an eight unit humanity or social science course. However, if there is a group of students that are interested in a certain General Study, it may be possible to arrange evening hours in which the

Dr. Lowdermilk Speaks Monday

To Discuss Prospects Of The Jordan Valley

Dr. Walter C. Lowdermilk give a talk entitled, "The Jordan Valley Authority," on Monday, April 9, 1945, at 5:00 P.M., in Room 6-120, to the students and Faculty of M.I.T. Dr. Lowdermilk, a graduate of the University of Arizona and a Rhodes Scholar to Oxford, is Assistant Chief, Soil Conservation Service, U. S. Department of Agriculture.

During 1939 he traveled 10,000 miles through Arab lands and spent eight months in the Middle East. While on this trip he was able to observe at close range the needs and the advantages of the Jordan Valley.

In his T.C.A. sponsored talk Lowdermilk will discuss his findings fully and will endeavor to show that the Tigris-Euphrates Valley can be turned into irrigated land which can support 30,000,000 people instead of the present population of 3,800,000.

course may be taken. The Institute would supply the instructor and would not give credit for these classes. They would be purely extra-curricular activities.

Languages

Languages are not at all affected by this non-technical program, they are under the control of the individual departments. They probably remain as they are. Some of the departments will require the student to take two languages, while others may specify many as four terms. The languages which will be available will be German, French, Spanish, and Russian.

A large part of the success of the Humanities and Social Science program will depend on the availability of inspiring and interesting teachers. In English, History, and Economics, strong departments are already set up, according to Dr. Albert G. Caldwell, Dean of Humanities. In other cases, important appointments are expected.

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