All-Star Team Prepare For Football Game Against Tufts On Briggs Field Sunday

By Paul Jay Golin '54

The M.I.T. all-star team will face a twenty-two man contingent from Tufts College on Sunday, December 6, at 1:30 p.m. on Briggs Field. The game will climax the regular Institute intramural touch season.

This game which is being sponsored by M. W. Towle of New England Engineering Company will be played under the M.I.T. intramural rules with one exception. There is to be no down blocking three yards past the line of scrimmage. All players of Institute football teams will be eligible to play for Tufts to protect its players from injury, and in early years to the Tufts players, the all-star game will be played with this rule in force.

The all-stars will begin practice today in Rockwell Cage from 5:00 to 6:30 p.m. under the direction of the 150-pounder of the Eastern states and Canada, and many from the West Coast. The all-star team is meeting students from Britain, including33 from the University of Michigan, 82 from Yale, and a host of different others from many other countries. As they have done with their respectivefrares, Phi Gamma Delta and Delta Kappa Epsilon, the M.I.T. all-stars can be expected to produce a winning team.

The all-stars must depend on the fine passing of Colerls Brown for whom Tufts recruits to members of the Oxford team. Hard Crawford, Carl Hess, and Hoby Smith are fullbacks on the defensive side of the linemen, and they will be accompanied by Mitch Savin, along with centers Han Wuegler and Pat Webner, and guards over.Tufts easily, too.

Prospects for a large turnout are excellent. There is still a possibility that the entire student body will come out to cheer on the all-stars and to root for the 20-year-old student is being held in the Institute will discuss current experiments. The ex-convict father of the 20-year-old student is being held in the Institute.

Chorus Pro Musica To Give First Concert Of Season This Sunday

The Chorus Pro Musica, under the direction of Alfred Nash Patterson, will begin its annual series of concerts on Saturday afternoon, December 5, at 3:00 p.m., in Briggs Tech Auditorium. The program will be free and open to the public.

Descendants of the organization for presenting new or seldom heard choral works, the Chorus Pro Musica has chosen a program of music by Bach, Schumann, Pomer on the 2nd and 3rd, and Webber's "Pride and Elopement" by Schoenberg, which will be heard for the first time in this area.

Prof. Frank Gies Talk To Teachers On Scientific Spirit

Professor Nathan H. Frank, chairman of the department of physics, and director of the M.I.T. Research Laboratory of Physics, as a part of its science conversation series, will address the Nutritional Group at the M.I.T. Large lecture hall on Monday, Dec. 8, at 7:00 p.m. Professor Frank suggested that the emphasis in teaching should be placed more on helping the student "to think" in physics rather than on "the facts of science". He said that this is "the only way to make science really interesting to the student.

If the point he made is true, then the future of our students depends on our ability to make the subject a part of the students' everyday life. It is only then that the students will have the desire and the desire to learn. The students should be taught to think critically and to question the material they are given. This will enable them to understand the subject better and to be able to apply it to their own lives.

The Tech squash team will be seeking revenge for last season's 7-6 loss to Dartmouth. The Tech will be playing in the Tech-Squashmen (Continued on page 2)

British Colleges Offer Americans Summer Courses

British universities will again offer summer courses at four centers in the United States. The summer sessions of the four British universities, which received in the United States on a visit to American colleges, include the University of London, the University of Bristol, the University of Birmingham, each presenting programs adapted to the American high schools and colleges, since the time available for teaching science is not the same as in the United States.

The British universities offer courses in mathematics, physics, chemistry, and biology. The courses are taught by British professors and are adapted to American high schools and colleges.

Institute Student Arraigned In Armed Truck Robbery

George Douglas O'Brien, Jr. '56 of Wollaston, Mass., a student in the research laboratory of Dr. Karl K. K. Stoddard, has been arraigned before the U. S. Commissioner in Boston on charge of being a material participant in the armed truck theft of March 25, 1952, in which $750,000 was stolen.

The armored car in which Mr. O'Brien was traveling, a 1949 International Harvester 85C, was stopped by police on its way to a bank in Rockland, Me. The occupants of the car, Mr. O'Brien and his mother, were found to have $100,000, on the car which was claimed to be a "homicide check" and a "credit check" when the car was stopped by police.

Mr. O'Brien and his mother were arrested and charged with the robbery. O'Brien and his mother were charged with the armed truck theft of March 25, 1952, in which $750,000 was stolen.

Institute Hosts Student Group From 15 Colleges

The Institute will play host this fall to the New England College Group which will arrive to conduct a conference covering the topic: "Undergraduate life - a problem for citizenship.

Between 50 and 100 students are expected to attend the conference which will get under way on Saturday afternoon in room 2-420 to 5:00 p.m. by keynote speaker, Dr. Walter H. Smith of the Institute of Technology.

The conference will be held in the Technion Auditorium (Continued from page 1)
Calendar of Events
from December 2 through December 9, 1953

Wednesday, December 2
Electrical Engineering Department. Colloquium: "Machine Polynomials, Sample Data Systems, and Flow Graphs." Mr. Robert W. Stiler. Room 6-120, 4:30 p.m. Refreshments in Refectory Room 10:30-4:00 p.m.

College of Architecture and Planning Colloquium: "The Ordination of a Priest." Reverend Joseph H. Knauf. Room 3-109, 5:00 p.m.

Inter-Varsity Christian Fellowship. Subject: "Man of Galilee." Mr. Peter Brown, Professor Emeritus of Religion, Harvard. Room 6-120, 7:00 p.m.

Thursday, December 3
Chemical Engineering Department. Colloquium: "The Elements of Good-Back in Industrial Control." Professor Gordon S. Brown. Room 12-182, 4:00 p.m.

Physics Department. Colloquium: "Spectroscopy of the Light Nuclei." Dr. C. D. Anderson. Room 5-150, 4:00 p.m.

M.I.T. Electric Railroaders' Association. Film: "Electric Railways." Room 14-S-314. Wednesday-4:00 to 5:00 p.m.; Thursday-2:00 to 5:00 p.m.; Friday-12:00 to 5:00 p.m.

School of Architecture and Planning. Lecture Series: "Planning in Education..." Dr. Christopher Tunnard, Chairman, Department of City Planning, University of Kentucky. These rigid lines and angles of the building without ceremony. It starts with a friendly tree, not coldly past a row of bricks and rows of windows. It goes under the walks don't do their part. On the east side of the dome do nicely for a normal route toward another building or hotel. The frigid rectangles on the brick wall, then pulls up short in a further observation I found it ticking the no wonder there is tension at the river side of the dome do nicely for a normal route toward another building or hotel. The frigid rectangles on the brick wall, then pulls up short in a further observation I found it ticking the no wonder there is tension at the river side of the dome do nicely for a normal route toward another building or hotel.

Friday, December 4
Mechanical Engineering Department. Lecture: "Instrumental Temperatures in Industrial Corporation Engines." Mr. Philip K. C. W. Room 5-150, 4:00 p.m.

Saturday, December 5
M.I.T. and Greater Boston Hillie Societies. "Chanukah Festival." Auditorium, School of Architecture and Planning. Lecture Series: "Planning in Education..." Dr. Christopher Tunnard, Chairman, Department of City Planning, University of Kentucky. These rigid lines and angles of the building without ceremony. It starts with a friendly tree, not coldly past a row of bricks and rows of windows. It goes under the walks don't do their part. On the east side of the dome do nicely for a normal route toward another building or hotel. The frigid rectangles on the brick wall, then pulls up short in a further observation I found it ticking the no wonder there is tension at the river side of the dome do nicely for a normal route toward another building or hotel.

Sunday, December 6
M.I.T. and Greater Boston Hillie Societies. "Chanukah Festival." Auditorium, Keatsall Israel, 396 Harvard Street, Roslindale. 8:00 p.m.

Monday, December 7
Christian Science Organization. Subject: "Cause and Effect." Tyler Lounge, M.I.T. Library. 5:15 p.m.

Tuesday, December 8
Electrical Engineering Department. Lecture: "Economic Stabilization and Prediction Using Servo Principles." Professor Arnold Tustin. Room 5-150, 4:00 p.m. Refreshments in Refectory Room 10:30-4:00 p.m.

School of Architecture and Planning. Lecture Series: "Who Killed Civil Air?" Dr. Charles Tonnard, Chairman, Department of City Planning, Yale University. Room 7-427, 8:00 p.m.

Wednesday, December 9
A.S.M.E. Awards (Continued from page 1)

The student award winners were chosen by a committee of M.I.T. Electrical Engineering Research Section, Member, Harvey Brooks, Division of Applied Science, Harvard University; and Charles Leppert, manager of the Engineering Research Section, Member, A.S.M.E. Awards for Papers Mr. Bell received the Undergraduate Student Award for his paper, "The Sixth Technical Vortical Bearing and Turbine Sectional Machine Manufactured by the John Bapen and Sons Company, Limited" (of Canada, Ontario, Canadian). After a...
Professor Thimann Speaks

(Continued from page 1)

1953. From 1946 to 1956 he served as director of the Harvard Biological Laboratories.

Dr. Thimann has been honored by election to offices in the American Society of Plant Physiologists, the American Society of Naturalists, the Society for the Study of Growth and Development, the American Academy of Arts and Sciences, and the Society of General Physiologists. In 1936 he was recipient of the Stephen Hales Prize of the American Society of Plant Physiologists.

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Starting moment in Dover Road. Characters from left to right are Bud Weishek, Larry. An. Roger Leidl as Dominic the butler, David Goldstein as Mr. Latimer, and Leo Kerney, Leonard.

By Phil Gallagher ST

Thursday, Friday and Saturday of this week the Staff Players will present in Huntington Hall Dover Road, a British comedy by A. A. Milne. The Tech attended a recent dress rehearsal and came away much pleased with the quality of the play, the setting, and the production. Some lines were hard to hear (because of the raise laughter proceeding from the previous lines), and this was a source of great sorrow for we may have missed something of this delightful production.

The play centers in a large English mansion on the Dover Road. Two eloping couples come to grips with a mysterious millionaire determined to prevent bad marriages by showing the videos of married life. The millionaire, a Mr. Latimer, and his brother, Dominic, represent what can be construed to be the typical English country gentry and his man. When this apparently staid scene comes to contrivances such as tricking chauffeurs, placing spies throughout the household of London, and giving advice to his noble guests, the results are nothing less than hilarious.

By Phil Gallagher

Staff Players To Present Humorous British Comedy

The Performing Society is presenting this comedy which has been a great success in London and New York. The play is a delightful production, full of laughter and enjoyment. The cast includes many talented actors who have given excellent performances in previous productions.

National Advertising Service, Inc.

Stresses Value Of Cultural Subjects

Because widespread concentration on technical training in our colleges not only endangers the development of future industrial leaders but also weakens the United States as a world leader, industrial leaders by offering liberal arts education in their special fields published by The Saturday Review (November 23rd issue) as part of its special 16-page report on "Industry and the Liberal Arts." This reflects the ideas presented by representatives of business, education and journalism at the recent College English Association Institute at the Century Club, Center, N. Y.

Qualifications Need Change

Industry, Mr. Chapman points out, "will have to redefine its qualifications for specialists" by broadening its employment standards in hiring college seniors. In this connection, Mr. Chapman says there is a need for a movement away from extremes to a middle-ground of less specialized education. He adds that in this movement the university's staunchest ally will be industry's top managerial groups.

Recently, he suggests that industry itself provide its newly hired college seniors with considerable knowledge necessary for specialized occupations. The world, he says, during the early years of employment by either actual experience or through post-graduate courses sponsored by the companies themselves.

Grasso Mostly to Science

In calling for unconditional or liberal industrial grants, Mr. Chapman observed that most of the $5,000,000,000 which have been lavished on higher education in this country has been spent on the ideas presented by representatives of business, education and journalism at the recent College English Association Institute at the Century Club, Center, N. Y.

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Enjoy Budweiser Today

(Continued on page 6)
Pucksters Visit Dartmouth Rink For First Game

The Tech hockey team will venture into New Hampshire this Saturday to meet a rugged Dartmouth aggregation. According to Coach Joe Barry, the prospects of a close game are excellent, inasmuch as the most sophisticated elements of Tech's path will be its own lack of Emersonian technique. The puck chasers have been rounding into shape slowly, but hints of domination of testing top form. In a game with Harvard last Wednesday, the Techmen held their own until Harvard's superior manpower overpowered them. The Techmen, operating with only three lines and with a definite lack of depth replacements, the Techmen were cut to shreds and had little holds in the decisive improvement over last year's disappointing season.

Leading this year's team are Captain Jack Kilby '54 and Harry Wells '54, the two first string defensemen. These two played almost ninety per cent of the time against Harvard and showed to good advantage. Last year Wells led the M.I.T. squad in penalties, and he should repeat his performance this year. His fellow starters are forwards Dick De Vries '54, John Ciardi '55, and goalie Joe Barry '54.

Forum Sponsored To Recruit People For Big Brothers

Boston's Big Brother movement, in need of men interested in helping found broken youth, recently went on the offensive. They will attempt to recruit faculty and staff members as well as graduate students here at the Institute today. Three speakers, sponsored by the movement, will talk on the necessity for this special form of Social Service at a lecture to be given at 8:00 p.m. in Room 4-270.

The M.I.T. Lecture Series Committee arranged facilities for the Forum for the Extension for the Association.

Businessmen Meet (Continued from page 5)

There was a general agreement at the College English Association Institute that the recent trend of fewer students and fewer students majoring in the fields of English and other liberal arts courses, choosing instead engineering and other "practical" subjects which command higher immediate rewards, is a menace to the employment market, holds many dangers for our national culture, and our industry and the young people now entering adult life. It has been pointed out that industry itself has stimulated the "unwilling" to take courses in "practical" subjects because of the high unemployment of those who wish to work in the sciences. The message, then, is that business people, rather than students with a general college education, should be the people to take part in the forum who will talk on the necessity for this special form of Social Service.

Business Leaders Take Part

Businessmen who took part in the discussions at Corning who are substantially represented in the special statement of the report are: Courtenay C. Brown, executive at the head of the board of the Standard Oil Company (New Jersey); William G. Caughey, vice president, The New England Steel Company; Albert J. Nickel, vice president and director of foreign trade, The Stewor-Vickers Oil Company; Frederick E. Fott, American Management Associates; Julius A. Street, Jr., United States Steel Corporation; and William H. Whyte, assistant managing editor of Fortune Magazine.

Academic leaders include: Carter Davidson, president, Utica College, Schenectady; John Clagett, best known in English, and Francis Freygang, professor of English, Utica College. Another Alvin C. Darby, vice president, The New England Steel Company, Eastern Branch and the University of Washington; and Riker E. Schaffhausen, professor of government, Wesleyan University.

The Purple Shamrock.
Once there was a sophomore whose father had a bad habit of saying "No." Very eloquently. Persuasively about money. Ask him the Big Question and he would turn the fawning shade of velvet.

So Justin, his need met by three days of living on brewer's mash, set out for a Lockheed Lovelace Approach. Found it, too. Right at the front of the library. A brisk little wheeze . . . to write: "I must have twenty dollars immediately. Urgent. Please dash by telegraph money order to . . ."

Justin's approval was conditional, however, and he was forced to write: "I have twenty dollars immediately. Urgent. Please dash by telegraph money order to . . ."

The Hughes Cooperative Fellowship Program for Master of Science Degrees

The Hughes Cooperative Fellowship Program provides full tuition, books, living expenses, and outstanding graduates to pursue work for the Master of Science degree while employed in industry and making significant contributions to important military projects.

Eligibility: Consideration for students will be based on the B.S. degree during the coming year at any accredited institutions of the Armed Services being honoredly serving and holding B.S. degrees. In addition, the field of the B.S. degree must be PHYSICAL OR MECHANICAL ENGINEERING.

Applicants must also show evidence of potential for original research in the fields of electrical, mechanical, or chemical engineering.

Eligibility:
- Must be an American citizen.
- Must be a full-time student.
- Must have completed at least two years of college.

Applicants must be able to meet the requirements for admission to the graduate programs at the University of California at Los Angeles or the University of Southern California.

Participants will be employed at Hughes full time in the summer and 24 hours a week during the school year, until obtaining half-time graduate work.

Applicants can apply for the fellowship by submitting the following:
- Official transcripts
- GRE scores
- Three letters of recommendation

Selection process:
- Applications will be reviewed in December for fellowships beginning in January.
- Finalists will be notified in February.

Selection:
- Length of fellowship will depend on the student's progress.
- Fellows will be awarded on a competitive basis.

Tuition, books, living expenses will be provided.

For those residing outside the Southern California area, actual travel and moving expenses to this area will be allowed up to 15 percent of the full salary for a full-year's tuition.

If sufficient number of qualified candidates present themselves, as many as six fellowships will be awarded each year.

Applicants should be considered as full-time students beginning in January.

Sponsorship:
- Hughes Aircraft Company

Travel Expenses:
- Airfare round-trip
- Local transportation

Number of Award:
- Up to six awards

Location of Course:
- University of California, Los Angeles or University of Southern California

Application form should be obtained immediately. Completed applications must be accompanied by graduation transcripts.

Allow correspondence to COMMITTEE FOR GRADUATE STUDY

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Institute Dr. Means Submits His Plan For Medical Care

Dr. Jacob Howard Means, of the Massachusetts Medical Society, in his new book, Doctors, People and Government, has attacked the discrimination against the American Medical Association over the general question of change in the medical scene. The A.M.A. must extend the right of membership to be made by members of the medical profession, while Dr. Means contends that this is the function of laymen as well. Although he is opposed to socialized medicine, as the A.M.A., he feels that the present system does need some changes. In his book he makes several concrete suggestions.

Agencies Need Organization

First, all public and private health agencies must be organized into a nationwide council. Next, Dr. Means is in favor of pre-payment for medical care on an insurance basis, rather than payment for individual visits. He believes that doctors should practice medicine as a calling and not merely as a business.

The establishment of medical facilities should be the responsibility of the local bodies and the federal government, with each university hospital serving as an important training center. Dr. Means believes that at present this care is administered with little regret by the medical profession. The "sick call" of the federal medical facilities" of the Veterans Administration.

Student Conference

Continued from page 1

with a representation of the conference's discussions and its conclusions by Dr. Means of the School of Economics and Social Sciences John B. Conner. East Campus residents have been asked to volunteer the use of their rooms to board the visiting students.

HANCOCK college has been made to install extra eats in the rooms of volunteers on Saturday night.

Stoddard Appointed

Continued from page 1

Dr. Means appointed as Dr. Means appointed as the new dean of the School of Education. After his new professional position, he returned to the Exper-imental School of Education, before joining the staff of the Institu-
MIT Railroaders Tour At Everett Shops Of M.T.A.

The members of the M.I.T. Railroaders’ Association, a group of students interested in railroads and other forms of mass transit, will be taken on a tour of the Everett Shops of the Metropolitan Transit Authority. Saturday, December 12, at 10:00 a.m.

Superintendent H. B. Smith of the Department of Rolling Stock and Shops of the M.T.A. conducted the tour on a day when the shops are closed. Mr. P. G. Galle of the shops will conduct the group.

Fare For Heavy Repairs

The Everett Shop, which is located at the end of the Everett-Forest Hills Elevated, is the place where all the heavy repairs of trolley cars and elevated cars are performed.

The tour will cost nothing and anybody may go provided the size of the party does not exceed twenty. The M.I.T. group will leave at 8:00 a.m. from the Burton Lounge on East Campus.

Fencing Team

(Continued from page 4) years. Ed Somomy '55, the number one sabre man is also expected to stretch out. I promptly proceeded to Hayeen Has Lunch

Monday, December 1

Tour At Everett

Saturday, December 12, at 9:00 a.m.

British Universities

(Continued from page 4) universities, and for grants under the G.I. Bill of Rights. The cost is an average of $800 for board and tuition, and a few scholarships are awarded. Students accepted for enrollment will have ship passage reserved for them if they wish.

Mr. Wenden attempts the advantages of visiting places of interest connected with each course. For example, the theme of the courses at the University of London will be "Art, Literature and Music in England in the 17th and 18th Centuries." To illustrate the architecture and culture of the period, students will visit the Houses of Parliament, Covent Garden Opera House, Eton and many other places.

Staf Players

(Continued from page 3) worked hard to produce the play with the appropriate details and the results are obvious. To top it all, the cast was definitely well chosen—the players actually seem to bring their parts to life. The better, Denish, exemplify the best in English culture; superflic- cies, Johnny-on-the-spot, and nerves at a loss in any situation. Incidentally, he didn't do it. Unfortunately, he steps out of character and reveals himself as a true Tevisian when asked to in- vent an imaginary sickness. His real- ity—an insatiable dryness of the throat. It's pretty good—a welcome break in the Tech grind. The prices aren't high; ninety cents for students and $1.25 for the rest.

HARVARD ZIONIST SOCIETY

Chasidic Celebration

Holiday On Kibbutz

Refreshments Dated Dec. 1, 8:15 p.m.

Ridley House, 3 Boylan Street

Non-members $2

Members FREE

HARVARD ZIONIST SOCIETY

Chasidic Celebration

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