$15 Million Industrial Research Center Planned for Area Behind East Campus

Dr. Charles R. Draper was awarded the William Proctor Prize for Scientific Achievement at the annual meeting, on December 30, of the American Association for the Advancement of Science.

Dr. Draper is the Director of the Instrumentation Laboratories and Head of the Department of Electrical Engineering and Aeronautics. The $1,000 annual prize is presented at a unction held by the Scientific Research Society of America (SRESA) in recognition of continuing and outstanding contributions to science. The award was announced at the annual meeting of the AAAS, held in Chicago, is given annually to a distinguished scientist in recognition of notable achievement in scientific research or in the administration of such research.

Following the Award, Dr. Draper, often called "the father of inertial guidance," explained that "the first of the Applications of Inertial Guidance Science," explaining how the MIT Instrumentation Laboratory performed in research and development for advanced inertial guidance systems. Dr. Draper spoke in detail the extreme accuracy required in some of the specific, Dr. Draper told of the development of the techniques required to produce macro-accurate gyro parts.

The SESAA award contest at the end of a long list of honors for Dr. Draper.

Honored at AAAS Meeting

Dr. Draper Wins Proctor Award

The Dean of the School of Industrial Management recently announced the forthcoming completion of the Olive Barnard Memorial Room for Undergraduates.

The room, to be located in the Sloan Building, is a gift of the Course XV graduates to perpetuate the memory of Olive Barnard, who was a member of the department faculty and secretary to the Dean, for many years. When she died in 1937, the Atlantic of Course XV set up a Memorial Fund. After the collection of $11,000, a committee for the creation of the room.

This room is to serve as a meeting and relaxation place for undergraduates in the Sloan Building, as a home for Industrial Management Association. The room, located off the first-floor main lobby, is being decorated by the Boston firm of Paul R. Corcoran, Chairman of the Cambridge Redevelopment Authority.

Sponsors of the new research center to be built on the campus development area.

Plans for a $10,000,000 industrial research center, to be built in the eastern part of Cambridge, adjacent to the MIT campus, have been announced.

The center, which will ultimately exceed 4,000 square feet of lab space, will be constructed through a cooperative effort of city authorities, MIT, and Cabot, Cabot & Forbes. The project, which is under the administration of the National Science Foundation, is expected to attract national organizations.

Seifert Promoted to Assistant Dean

Dr. Adler Promoted to Assistant Dean

Dr. Adler, who has been active in teaching, research and administration at MIT since 1946, although continuing to teach, his primary responsibility in his new post will be to chair the Committee on Undergraduate Education and to chair the Undergraduate Committee on Undergraduate Education.

The Ford Foundation's grant of $9,275 will make it possible for the School of Engineering to accept two senior students in the field of Engineering.

Dr. Adler also directed the concept of the Symposium, a two-volume index of Great Ideas contained in the Great Books. Except for his famous "How to Read a Book," Dr. Adler has written in the fields of biology and philosophy. Among his works are: "Biblical, Diagrammatics, Theology, Man, Mind and Schopenhauer."
Research Row Grows

The new Cambridge Industrial Center, to be built by MIT in cooperation with Cabot, Cabot, and Forbes and the city of Cambridge, is another advance in the great complex of industrial research facilities that have grown up around the MIT campus. It is unusual for an educational institution to participate in a project of this nature, since its purpose is not educationally related. However, the repatriation of the Institute as a university is in a large part the result of its industrial and governmental support. The new Center, like the Research Row on Memorial should further contribute to this repatriation.

This development is also a step toward better relations with the city of Cambridge, which has had fears of being engulfed by the spread of MIT and Harvard, whose property tax base is none too strong. MIT, however, has shown an interest in building more on its campus, and if you look forward to a lessening of the tension which has traditionally existed between the citizens of Cambridge and MIT.

To the undergraduate, probably the greatest direct result of the Center will be an improvement in the aesthetic outlook of the city of Cambridge. The students will find more opportunities to spend their leisure time in advance in the research facilities surrounding the campus.

kibitzer

Dealer — South
Nothing suitable
S 2 NT 2 C 4 D 3
S 3 J 3 NT 3 3
H 2 NT 2 2 3
D 2 2 2 2
A 5 5 5 5
C 2 2 2 2
S 3 5 3 2
H 2 2 2 2
D 2 2 2 2
A 5 5 5 2
C 2 2 2 2
S 2 2 2 2
Opening lead — Two Clubs
South opened the bidding logically enough with his highest card suit, and North responded two clubs aside, but one no trump was bad because of the singleton diamonds, and North had to say something. South showed his other major, and North bid two spades for some reason, perhaps because he had a heart in his diamonds, or possibly because he hadn't been getting enough cheap. South had no choice but to play spades if North should have only three trumps. North then won the trick, retracted his hand, and bid three hearts.

South then made contract.

South felt that North's bidding was incomprehensible, but knew that if he bid three spades, there was still the chance to play the hand at three no trump. North, however, aware of the situation, bid four hearts, realizing that when a four-four fit in a major suit is found, the suit contract is usually superior to any other contract.

West, slightly bewildered by the bidding, elected to lead dummy's original suit rather than lead from his diamond holding. South surveyed the situation and concluded that a cross-rall was needed and so did not trump the trick. The ace of clubs was taken and another club ruffed. The ace of hearts was then tricked, and West found that he had no card to lead. The game was scored as South-South-South.

The Tech

The infan
college world

To cheer you 3 fees wake up on, we quote this letter which appeared in the Name Denver Scholarston:

Don't Tell Anyone

I can't thank you enough for the simply fantastic time I had last weekend. Everything was just so different that I can't describe it. I guess I didn't know what to expect, but with these spontaneous and good-looking geniuses it was just too wonderful.

I hope your black-eye is healed by now, and you know how sorry I am about it. I guess I just lost my head when you tried to kiss me good-night, because you know I wouldn't have gone with you if you hadn't been kind of reckless of kissing when we're only known each other for such few weeks at most.

You aren't at all as far away as going to the Victory Dance with you are, are you? I mean I just simply forget for a minute about what other girls call me, and I couldn't do this and then go to a dance party with you later.

West doesn't merit at all for not going to the Victory Dance with you, are you? I mean I just simply forget for a minute about what other girls call me, and I couldn't do this and then go to a dance party with you later.

All my love forever, etc.

Things are bound to get better.

The Tech

On campus with Miss Emmaline

"LITTLE STORIES WITH BIG MORALES"

One upon a time there was a German exchange student from old Heidelberg came to an American university. He lived in the man's dormitory of the school, and the man and his wife and children were quite friendly with him, and, unfortunately, he was so shy that he refused all their invitations to join their bull sessions. After a while his dormitory mates got tired of asking him and so the poor German exchange student, also, spent every evening alone in his room.

One night while sitting all alone in his room, he studied the most beautiful girl in the dormitory. Conquering his shyness, he walked to the room next door and there he found a bunch of his dormitory mates sitting around and discussing literature, art, culture, and like that. They were all smoking Marlboro cigarettes, which accounts for the delicious smell wafting from the German exchange student.

Suddenly a knocking at the door. Confronting his shyness, he walked to the room next door and there he found a bunch of his dormitory mates sitting around and discussing literature, art, culture, and like that. They were all smoking Marlboro cigarettes, which accounts for the delicious smell wafting from the German exchange student.

Immediately, he entered the room. "Krise me," he said, "but that wonderful smell!! I just can't stand it any more!! It would be our mutual happiness, it would be!" He said that you probably had a lot of trouble with your homework, it would be our mutual happiness, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that you probably had a lot of trouble with your homework, it would be!" He said that your black-eye is healed by now, and you know how sorry I am about it. I guess I just lost my head when you tried to kiss me good-night, because you know I wouldn't have gone with you if you hadn't been kind of reckless of kissing when we're only known each other for such few weeks at most.

"It's our good Marberio cigars," cried the man, who were named Fast-loving, Happy Harry, Jimmy Jim, and Totalle David.

So the German exchange student took a Marlboro and enjoyed those better notes, that four nix school of knowledge and got his taste, and soon he was comfortable and easy and lost his shyness.

From that night forward, whatever he smelled the good smell of Marberio cigarettos, he always went next door and joined the bull sessions.

MORAL: WHERE THERE'S SMOKE, THERE'S MEYER

Second Little Story

Once upon a time there was an Indian brave named Walter T. Maskin who had a sister named Margaret Giggling Water. Margaret was sort of a nix but she could make almost anyone laugh. Every day she wrapped up a brand new pair of banded moccasins nice for Walter, which were so pipes that all the Indian maidies in the reservation wereLabora-
Lord Gives Organ Recital Sunday

Robert S. Lord, organist and professor of music at Davidson College, Davidson, N. C., will give an organ recital, in the MIT Chapel, this Sunday afternoon (January 10) at 4 P.M. A native of Methuen, Mr. Lord is a graduate of Dartmouth College and Yale University. He studied with both Andre Marchal and Jean Langlais in Paris, and given the world premiere performances of Langlais' "Model Pieces" a selection from which he will present at the MIT concert.

The complete program will be as follows:

Three Easter Hymns (from the Boston Organ Book)
Four Venues on the Hymn "Ave Maria Stella"
Prelude and Fugue in G Minor
"Credo Sustur of the Haitian"
Prelude and Fugue in E Minor ("The Wptide")
Three Model Pieces (1966)

The concert is open to the public without charge.

Chamber Concert in Kresge January 17

Beethoven's "Quartet in A Minor, Opus 130" will be the featured presentation of the distinguished Paganini Quartet, in Kresge Auditorium, on Sunday afternoon, January 17. Other works included in the program are "Quartet in C Major. K. 465" by Mozart, and "Five Pieces, Opus 1" by Anton Webern.

The Paganini Quartet, well known to Boston audiences through their Jordan Hall concerts, will be making their first appearance in Kresge. The quartet is composed of Henri Temianka, first violinist; Charles Libove, second violin; David Schwartz, viola; and, on loan, Koprowski, cello.

The concert, which will begin at 3 P.M., is a selection of the MIT Innovation Series. Tickets ($1.75) may be obtained from the Music Office, 7-0110 at Cambridge.

Grant from Alumnus H. N. Slater, '15, Makes Possible Air Transportation Study

The air age may have given way to the space age in the dreams of America's youth, but the highschool of aircraft as our fastest-growing form of transportation has only begun.

A new program designed to help solve some of the problems of the MIT men's Students' sailing and flying clubs, will be undertaken by Mr. N. Slater's gift. Prof. Ross A. McFarland, director of the MIT's University Club, will lead the study of the key problems in flight transportation.

The grant, which will be made possible by Mr. Slater's gift, is the result of the efforts of the Guggenheim Center for Aviation Flight and Safety in the Harvard School of Public Health, led the study of the key problems in flight transportation for the MIT students and staff.

SPEED SOUND IN AIR—330 METERS PER SECOND

Automatic translations from Russian to English

Recently, an experimental word-processing machine demonstrated conversion of a page of Russian to English in 10 seconds. The electronic devices of the future will not only make dictionary references automatically, but will also analyze syntax and semantics to provide a functional English translation.

This kind of work, now being explored at IBM, requires widely diverse talents and skills. People with backgrounds in business administration, liberal arts, engineering, mathematics and the sciences are making their valuable contributions. An engineer might consider taking a course, for example, in electronic circuitry, which has been found to be highly important in this work. But your barrier at IBM, where advancement has always been based on performance.

Diversity of work and advancement based on performance are advantages a younger person will find important in selecting a career.

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The LITTON Study-Work Program toward an advanced degree assists the student who might not otherwise be able to finance graduate education. While gaining experience in our research and development laboratories you are normally able to earn your master's degree in four semesters. You may qualify if you are a candidate for a B.S. degree in electronics-oriented engineering, science or mathematics. For full information see your college placement office or write to Mr. Joseph Cryden, Director of Advanced Education, A.T. Co., 224 Newbury Street, Boston 15, Massachusetts. Placement office or write to Mr. Joseph Cryden, Director of Advanced Education, 224 Newbury Street, Boston 15, Massachusetts.

Hockey Team Beaten By NH14-2; Face Wesleyan Saturday At Home

The Beaver liners went down to defeat at the hands of a strong New Hampshire hockey team just prior to the Christmas recess. When the third period ended, the final tally read 14-2 against MIT.

The match got off in a slow start as MIT had had only a few practices prior to the game and the players were feeling their way cautiously. New Hampshire took their time and sized up the Beavers pretty carefully. Then, as the first period of play went into the final ten minutes, MIT unleashed an unbelievable attack, scoring seven goals. Midnight through this scoring fury John O'Conell, '62, was pulled out of the goalies position and replaced by Timothy O'Brien, '62.

Scandalous Scores

The Beavers recovered in the second period and improved their brand of hockey enough to hold NE in four goals, while scoring two for Tech. The first goal, by Bill Shaniak, '61, came on a quick pass out from behind the net. A short time later, using the same play, Steve Levy, '60, scored his second goal of the period.

The third period of the contest was relatively uneventful, with New Hampshire scoring three more. The Beavers finished playing at a good pace and appeared to have recovered from the first period's surprise attack.

32 MIT Saves

The game, for New Hampshire, was characterized by good skating and a strong defense. The MIT liners had good goal tending and a strong offense, but the defense appeared to be weaker than last year. In the course of the game, the MIT goalies made thirty-five saves as compared to fifteen for New Hampshire.

Captain George Kirk, '60, was out for most of the game with an injured knee but was replaced by the able forward Ed Allen, '61. George Leonard proved to be a tough competitor at the wing position.

IM Basketball Finals in Progress

Phi Delta Theta joined the list of finalists in the Intramural Basketball Tournament with a thrilling 21-20 victory over Delta Tau Delta. The game, which was played to determine the League V playoff representative, saw an overtime that wasn't decided until the final minute of play.

In the opening playoff encounter, a free fupa Senior squad defeated Beta Theta Pi by a score of 31-29. The game, which was played to determine the League V playoff representative, was a tight affair that didn't end until the final minute of play.

IMIT goalies made thirty-five saves as compared to fifteen for New Hampshire.

To A.M.I.T. Goalies

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Tech Upsets Worcester

Varsity Cagers Win First Game

After suffering three straight set-backs, the MIT varsity basketball team turned around with a 48-43 upset victory over previously unbeaten WPI, in a game played just prior to Christmas Vacation. The Engineers, trailing by as many as 13 points at the 12-minute mark of the second period, went on a scoring spree to overtake the对面.

The Sabre men again shined as Karl Koepke, '60, took three for MIT. The foil team turned in the finest performance for MIT. It was victorious six out of nine encounters, with Captain Sherman Karp, '60, triumphing in three of his jousts and Jerry Yarbrough, '60, capturing two out of three.

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Fencing at Trinity

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Killian Cites Advantages of Center

An offer of $170,000 was approved by the Authorization Board yesterday. Added to this will be the site of the Lever Brothers plant, which has been purchased by MIT and Cabot, Cabot and Forbes. The Lever factory buildings, machinery and idle since October, are not easily adaptable for industrial use, so the new Center will be added to 9 acres to the total area.

A new corporation is being formed by MIT and Cabot, Cabot and Forbes to own and to develop this project. Preliminary architectural plans have been completed, and the buildings are expected to make an attractive group, with plazas, courtyards, reflecting pools and landscaping.

In discussing the offer, Dr. Killian, Mr. Bealderick and Mr. Conron point out that it would probably yield not only tax revenues for the city, but would add further research facilities of a nature now only a few corporations to Cambridge’s already famed “Research Row.” These are the principal purposes for which MIT is participating in the project, according to Dr. Killian. The Institute does not plan to establish any of its own academic facilities in the Center.

“With MIT we are very happy to join forces with Cabot, Cabot and Forbes,” Dr. Killian said. “Such a collaboration is perhaps unprecedented for an educational institution, but we believe that through it much can be accomplished. The new Center will eventually yield tax revenues which the city of Cambridge needs. It will contribute to the industrial vigor in the city and, in fact, in all New England.”

It will encourage research, which is so essential to industrial progress and fulfill the need which industry has long felt for closer liaison with the universities.

American Economic Assn. Elects Samuelson Veep

At the last meeting of the American Economic Association, in Washington, from December 27th to 30th, Professor Paul A. Samuelson, of the Department of Economics and Social Science was elected Vice-President of the Association. This means that he will be President-elect for 1961. Professor Samuelson is the author of that well-known textbook, “Economics,” in use by students throughout the nation.

Public Notice K

Wolfgang wishes to thank everyone for their Christmas cards and kind expressions of sympathy.

See Russia in 1960

Economics Student-Teacher summer tours open. American-Canadian, from June 25th to July 2, visit to key towns plus major cities.

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Environment for Exploration

The John Jay Hopkins Laboratory for Pure and Applied Science at General Dynamics’ General Atomic Division in San Diego, California, is a modern center of research and development, where new ideas and techniques are industriously pursued. Here, strong engineering and development activities are knitted with broad basic theoretical and experimental research to create an ideal environment for productive efforts in the nuclear field.

Here, advanced work is underway on the High Temperature Gas-cooled Reactor (HTGR), which promises to be a significant short cut to the nation’s goal of economic nuclear power. The prototype HTGR plant will be constructed by 1963 for Philadelphia Electric Company and High Temperature Reactor Development Associates, Inc.

Here, engineers and scientists work in a creative atmosphere on other advanced programs, including the MSGR pre-cooled reactor and closed cycle gas turbine system for merchant ship propulsion ... TRIGA reactors for research, medical, and various production purposes which are now being installed on five continents ... small nuclear power systems ... test reactors ... nuclear power for space vehicles ... thermoelectricity ... controlled thermonic reactions. Rapid expansion of these programs has led to increased engineering activity and created openings for men, preferably upper graduate school level, who seek a high degree of individual responsibility coupled with unusual opportunities to demonstrate their initiative and ability.

Nuclear Engineers, Metallurgists, Chemists, Mathematicians - Programmers, and Experimental and Theoretical Physicists are invited to consider opportunities now existing in varied program areas. Please contact the placement office to arrange an appointment with the General Atomic representative who will be at your campus on JANUARY 11.