New Nuclear Engineering Dept. To Be Headed By Manson Benedict

Dr. David Stratton, Chancellor and President, announced the creation of a new Nuclear Engineering Department on Wednesday. The new department is to be headed by Dr. C. Richard Soderberg, professor of nuclear engineering, as the new department head.

The department's purpose is to provide a program of graduate and undergraduate study in nuclear engineering. It will be a division of the School of Engineering, of which Dr. C. Richard Soderberg is dean. The teaching program will work in harmony with a research program, which will include studies of atomic energy from the medical and industrial as well as scientific points of view.

The first course in nuclear engineering will be offered in the fall. After this, other advanced courses and seminars will be added. It is anticipated that the program will be effective July 1.

The first in any New England college, the department will be the "MIT style of department," administratively autonomous and with full faculty status.

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The Board of Directors of The Tech take pleasure in announcing the appointment of Alfred Kniazek '59 of Phi Gamma Delta and Oberon, Indiana; John B. Stevenson '50 of Phi Gamma Delta and Cedar Rapids, Iowa; Kenneth F. Reinhardt '60 of Bennington and Cincinnati, Ohio; Don J. Wilson '60 of Boston House and Albany, New York; Peter W. Blumberg '60 of Toronto and Buffalo, New York; Joe P. Wiggert '60 of Bennington and Des Plaines, Illinois; Walter F. J. Crewson '60 of Adelphi and Delmar, New York; Gus A. Pettitt III '60 of Warren and Brookline, Alabama; Abraham Piven '60 of Baker House and Great Neck, New York; and Jerit L. Kroner '60 of Banias and Elitch Park, Pennsylvania to the Associate Board.

Science In Education

Wednesday night at the Baker House Buttery Dr. Stratton foresaw the emergence of a new kind of "classical" education. The Nineteenth Century's thorough grounding in Latin and Greek will have its counterpart in the new scientific age the world is entering. Preparatory school training, instead of resolving around the older disciplines of languages and classics, will supplant these with mathematics and physics.

Studying ancient languages in the former era served a double purpose. First, it taught logic and the ability to see implications. The structures of Latin and Greek forced the learner to organize and to relate concepts which arrive from primary sources. Second, the classical literature matured the problems of man and society. One purpose taught method, the other, character.

Dr. Stratton called for "a liberal education oriented in science and its applications (as preparation for) an age of science". He felt that MIT should not concentrate so much on the undergraduate who is helped for research, but should prepare men for lives in arts like medicine and management. This has been heard before. But to those present Wednesday night it carried a fresh urgency.

As education at all levels comes increasingly to focus on science and mathematics, it is essential to remember the two objectives toward which classical training strive—the teaching of method and the building of character. Science and mathematics teach method—perhaps even better than Latin and Greek. While classical languages give little preparation for solving certain kinds of problems, math and science provide the logical tools for a spectrum of applications that will ultimately build character. Will knowing the solutions to Laplace's equation improve international relations? Create a moral world? The answer is indeed difficult, but few the question must be rephrased: How can a new educational program build character? It is too late to say that it need not.

"Why don't you build one called 'Initiative'?"
Rocket Expert Sees Space Travel Soon; Human Factor Is Main Existing Unknown

Willey Ley, rocket expert and science writer, said last Tuesday night that we will soon be building bigger rockets to solve moon ships and other space problems. And that one great step will be to make himself into a spaceship. He spoke on "The Next Five Years in Space Travel" in Kresge Auditorium. The LCG-sponsored talk was attended by six hundred listeners.

Mr. Ley, who has predicted the current developments in missile technology over fifteen years ago, is presently on a speaking tour. Last week he was in New York City last Wednesday he spoke in Pittsburgh, and next week he will be in Louisville. These lectures were all arranged four months to a year ago says Mr. Ley says, "It is great luck present liquid fuels are almost at the limit of efficiency. He revealed that the Russian Symmetry were powered by ordinary solutions, and that the American Explorer used a mixture of hydrogen and alcohol. He also mentioned that the "fan drive" has been under development for over two years extensively for terrestrial travel.

Next step, Mr. Ley feels, is a moon rocket. He feels that one can be launched this year, and that probably will be one American, the other Russian. If such a rocket missed the moon, it would become a "plunderous" around the sun. It would crash back on the same launching pad from which it was shot exactly twelve years and one day after its firing. Such a "plunderous" could be named either the "P whence" or the "Mars done", which would be equipped with a fifth part from which it was shot exactly twelve years and one day after its firing. Such a "plunderous" could be named either the "P whence" or the "Mars done", which would be equipped with a fifth part from which it was shot exactly twelve years and one day after its firing. Such a "plunderous" could be named either the "P whence" or the "Mars done", which would be equipped with a fifth part from which it was shot exactly twelve years and one day after its firing. Such a "plunderous" could be named either the "P whence" or the "Mars done", which would be equipped with a fifth part from which it was shot exactly twelve years and one day after its firing.

(Continued on page 9)

Nathan Weinman To Attend Worlds Fair As Guide, Interpreter

Nathan Weinman '50 has been selected by Dean Rule of MIT's cultural division for one of the six representatives of the Commonwealth of Massachusetts in the forthcoming Brussels World's Fair. The United States State Department had instructed each state to supply six young men and women to act as guides and good-will ambassadors at the fair. Governor Foster Paraskev to tour, asked each college in Massachusetts to select a candidate for the post. Weinman qualified for the situation in three ways. First, he is a native of Brookline, Massachusetts. Second, he has a conventional knowledge of French, as both his parents have studied in Belgium and France, including the Sorbonne. Third, he was selected by Dean Rule as an example of a personable young man, well suited to represent his country at the Fair. If Weinman is chosen, he will be flown to Brussels and back at the expense of the U.S. Government. All expenses in Brussels will also be paid by the government. His duties will include guiding the visitors and guiding them through the pavilions, for which he will also receive a wage.
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You are also actively encouraged to pursue your education towards an advanced degree. You are also actively encouraged to pursue your education towards an advanced degree. You are also actively encouraged to pursue your education towards an advanced degree.

You are given the opportunity to obtain professional recognition through participation in engineering society forums, presentation of technical papers, winning of patents and other recognition of your accomplishments.

And you are also encouraged to take an active role in your community’s affairs—become a truly professional man is a good citizen as well as a good engineer.

June graduates!
A General Motors Representative will be on hand to answer questions about job opportunities with GM.
February 17, 18, 19

GM positions now available in these fields:
- MECHANICAL ENGINEERING
- ELECTRICAL ENGINEERING
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- METALLURGICAL ENGINEERING
- AERONAUTICAL ENGINEERING
- CHEMICAL ENGINEERING
- CERAMIC ENGINEERING
- MATHEMATICS
- MECHANICAL DESIGN
- PHYSICS
- CHEMISTRY

GENERAL MOTORS CORPORATION
Pomona, Calif. Detroit, Mich.
APO To Help Scouts
"Be Prepared" With Swim Course Here

Tonight, some 350 Cambridge Council Boy Scouts will invade the MIT campus with the intention of learning to swim. As one of the largest public service projects, the Alpha Chi Chapter of the Alpha Phi Omega Sorority Fraternity will conduct a course in swimming instruction at the Alumni pool beginning Feb. 14, and lasting ten weeks.

When the scouts arrive, they will have already submitted a legal release and will then be given a thorough going over by the generous medical department. From there they will be escorted to the Alumni pool and, under careful supervision, will be tested to determine their swimming ability and the areas for needed improvement.

The actual course of instruction will begin Saturday night and will continue for ten weeks. At the end of the program there will be a gain swimming meet for the scouts to display their newly learned skills and to work off excess energy.

The able instructors, as well as all of the other invaluable assistants, are volunteers, who, in days gone by, were Boy Scouts themselves. Although the Scouts are charged a nominal fee, the bulk of the program is paid for by your generous nominal fee, the bulk of the program is paid for by your generous support.

Lockheed, the famous ARROW

Exclusive ARROW tailoring is made to order for a young man's "build," has plenty of room for action. Yet fits trimly because it tapers to follow your contours from collar to cuff to waist. This Glen is a fine example. At your Arrow regular's. $5.00. Glitters, Pea coat & Co., Inc.

For perfect fit...famous ARROW

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Members of our Technical Staff will be on campus MON., TUES. & WED., FEB. 17, 18 & 19 to discuss the advantages to you of a career with LOCKHEED MISSILE SYSTEMS

Company Position: Though young as a division, Lockheed Missile Systems continues to attract fine U.S. leaders in the advancement of missile technology.

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Your Future depends upon Permanent Security. GM's continuous, long-range Design and Development Program in all fields of engineering and manufacturing... GM's policy of decentralization... GM's facilities... GM's working conditions... GM's salary advantages... create ideal opportunities for advancement...

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Right now, there's your placement office. Get squared away on a specific time for your interview. And get your copies of the brochures that also help fill you in on the RCA picture. If you're tied up by regular obligations, call your Placement Officer for an appointment.

Tomorrow is here today at RCA

February 19 and 20, 1958
Mr. Robert Radulescu, Manager
College Relations, Dept. CR-11
Radio Corporation of America
Candan, N. J.

Inshleigher

Fijis Reach IM Basketball Fin

by Len Tenner '60

Tuesday night saw the elimination of Alpha Epsilon Pi, Pi Lambda Phi, and Sigma Xi from the playoffs of the Intramural Basketball Tournament. This narrowed the field to ten teams. Those surviving Tuesday's activity were Phi Gamma Delta, Student House, East Campus, Graduate House, and Alpha Tau Omegas.

Wednesday's Victories

The Fijis thrashed a last minute ATO scoring spree and went on to win an overtime thriller 54-44. Trailing 19-18 at the half, ATO led by Bob Renucci '63, who pumped in 17 points, fought back valiantly only to be switched back after basket by the Phi Grams. A free throw sealed the differences, however, as ATO led the game at 44-44 thus reconstituting the overtime period. Here, however, ATO lost its spark, as the Fijis pumped in 13 points, while holding the losers scoreless. High man for the victors was Chuck Ingraham '58 with 13 points.

Pi Lambda Dues Class One

In another closely fought contest Student House edged Pi Lambda 21-18. It was an uphill battle all the way for the victors as they trailed 14-10 at the half. Showing the way for Student House was Gene Shaw '62, who led the field with 15 points. Following closely were Fred Arditti '60 who led all scorers with 10 points and sharpshooting playmakers Dick Greene '63 and Bill Winter '60.

East Campus Coasts to Victory

East Campus coasted to victory over the Phi Gammas, winning easily 29-15. It was an uphill battle all the way for the victors as they trailed 13-19 through three quarters. The game was over in the fourth quarter. The Phi Gammas were led by Bob Schumacher '62 with 10 points, Larry Flanagan '61, and Jim McNamara '60, who kicked in 12 points each.

End Of Regular Ice Season N

Moving into the next to last round of games before the playoffs, three contests in the Intramural Hockey League were held Tuesday night. Unfortunately Beta Theta Pi was unable to make the game, so the Lambda Chi Alpha 11-0, with Rob Cross '59's game-winning goal, went on to win an overtime thriller 53-44. ATO scoring spree and went on to win an overtime thriller 54-44. Trailing 19-18 at the half, ATO led by Bob Renucci '63, who pumped in 17 points, fought back valiantly only to be switched back after basket by the Phi Grams. A free throw sealed the differences, however, as ATO led the game at 44-44 thus reconstituting the overtime period. Here, however, ATO lost its spark, as the Fijis pumped in 13 points, while holding the losers scoreless. High man for the victors was Chuck Ingraham '58 with 13 points.

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
Willy Ley mentioned a device now being used to test psychological reactions. Called the "Space Cabin Simulator", it subjects the plane to conditions which would be found on an outer space flight. No occupant is due to leave the cabin this Sunday. Mr. Ley reported that the first two days of the test were very successful, without troubles reported.

Mr. Ley repeated the schedule of our progress in space flight, which he has maintained for the past fifteen years. This year, we will send more satellites, moon rockets, and the Bell X-1 jet in 1958, we will have a manned orbit, and by 1979 a manned expedition to Mars! He feels that the government is doing the best job it can in the space-flight field, but that we certainly could have had a satellite up in 1956 and an unmanned moon rocket last year.

In other expressions of opinion, Mr. Ley expressed the need for a centralized space agency, to be run by the military for civilian purposes. He said that Huston is ahead of us simply because she had not waited to develop their missiles, as we had done. He also said that it was a poor idea to try to set up a satellite with a brand-new rocket, the Vanguard, whom we had good systems already available, and he deplored the secrecy and security classifications in the rocket and space-flight field, which greatly hampers our progress.

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**FEBRUARY 20 AND 21**

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**FEBRUARY 14, 1958**

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- **Solid State**
- **ASW (airborne early warning)**
- **SAGE (semiautomatic ground environment)**

**Research and Development**

**Feb. 19th**

Senior Lincoln Laboratory technical staff members will be on campus. Appointments may be made with the Placement Office.