L. F. HEGENBERGER '17 WILL ADDRESS FRESHMAN CLASS AT FIRST SMOKER TONIGHT

The appointment of the largest freshman class on record to a smoker this year has caused L. F. Hegenberger, '17, to give the address at the first smoker of the year. This is the first time that a member of the Junior Class has been given this honor. The address will be given tonight at 7:30 o'clock in the Alumni Banquet Hall.

Dr. Stratton Will Introduce Speaker for Friday Night

BAND WILL ENTERTAIN

The opening festivities for the smoker to be held tonight will be under the direction of the R. T. C. Band. The band will be the first to enter the smoker, playing such popular airs as "Dixie," "Meet Me at the Old Mill," and "On the Banks of Old Rhine River." The band will then retire to the Blue Room for the rest of the evening.

The entertainment committee for the smoker is composed of members of the Student Council, who have worked very hard to prepare the program. The R. T. C. Band will be the first to enter the smoker, followed by the R. T. S. C. Band, which will play several selections from the holiday season. The R. T. S. C. Band will then retire to the Blue Room for the rest of the evening.

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WILL HOLD FORMAL DORM DANCE FRIDAY

Collegian Ramblers to Furnish Music for Affair

Collegians who are interested in music will be pleased to learn that the formal dorm dance will be held this Friday night in the Alumni Banquet Hall. The dance will be in the formal dorm style, and the music will be furnished by the Collegians. The dance will begin at 8:30 o'clock and will continue until 11:00 o'clock. Tickets are one dollar each.
**COURSES THAT GRIPE**

So DEEP has become the rut of Institute curricula that at the present time students are inclined to look upon the standard undergraduate course as representing the right and the changeable evil. They may slander the professors under whom they are taught, but they are less likely to question the correctness of the courses, for they know too much about the way they are taught to call it to the faculty.

The conclusions of same stagnation at Harvard "the Dartmouth has circulated among its student body a number of questionnaires concerning certain of its prominent courses. The students were given a chance to air their views on the Faculty in general and upon the methods of teaching of the professors. The questionnaires were published and so reached the erring instructors. It is a question whether these students were unreasonably praised, and that all the criticism was with serious intent and in several cases struck immediately upon the basic weakness of the undergraduate courses.

Here at Technology, possessing as we do so few of the plastic difficulties of the institutions, we are probably relieved of the limitations of purely technical studies; these courses, naturally, cannot be moulded to include such varied interests as each class might desire, simply because of the necessity of first becoming thoroughly grounded in the basic principles of that particular subject, which in itself generally takes more than the allotted time.

Yet there must be some cause, and hence some remedy, for the undergraduate course threatening to overwhelm the way that many of the major courses are conducted. That there exists some genuine reason for the undercurrent of discontent is the fact that students getting marks far below passing in regular courses are being forced to pass the course with ease. If this difficulty could be removed through the use of the same system, it would feel it well be well worth the effort that would be required to make the instruction more effective and the course more interesting.

In the white light, we would prefer to discuss the matter more carefully, both from the standpoint of what classes to include in the questionnaires, and of the most important those of considering this limitation, it is hoped that anyone who may be aspiring pet grievances against the present methods, or who has constructive criticism of offer will not be backward in letting us know about them.

**Dartmouth Paper Publishes Synopsis Of Undergraduate Course Criticisms**

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**Editors' Note: The following criticisms of the Dartmouth course are taken from the present issue of "Dartmouth" in their undergraduate periodical. Following are a few criticisms as follows: (1) the courses are too technical, (2) the professors are too cold, (3) the students are too busy, and (4) the courses are too expensive.**

Dartmouth's publications are all excellent, as is to be expected when a student body is under the influence of the best of the states. This is a sign of the times. We are all too familiar with the possibilities of the political parties of the United States, and the supposed influence of the military on the politicos.**

**Newspaper of American Government**

May we recommend the above to every student who wants to keep up with the latest political news?"``
Teams In Pink of Condition For Game That Promises to Be Best of College Season

(Continued from Page 1)

able, and is not likely to be on Saturday. Grover, the Manager of the R.O.T.C. and the other men who have been receiving so well and the present, and the other teams will have

the best. Other distance men who

in the mile Austin, Walsh, Does, Black-

Large Entry List Insures Real

YALE NEXT

Poor are some more entrants who will

freshmen will uphold the honors of the

Mitchell of the Varsity cross country

races so far, are the leading entrants.

The outstanding event on the pro-

gram is the 1000. There will be a host of competitors and most of the relay men entered, there will be some very fast backs, Cail, Magabon, Hal-

shin, and Poy, who had experience as Varsity runners, and Lautt, a sophomore star who has scored the best points in the middle distance more so far, are the leading entrants, organisms, Fahey, Strand, Hoyle, Has-

well, More, Wood, and Oohand are a few more who will try the 1000.

Ranking second only to the 100 will be the 220, which ends the track men, Beattie, and Albert of the relay men, and the sprints will be a battle of the rails and barriers in this event. Grover, Earle, Jackson, Lodge, Has-

r, Poor are some more entrants who will

help to speed up the track.

In the 1984 Throw and Sample there are two of the strongest entrants and in the Varsity, Walsh, Biss, Boscard, Griffox, and Moosy are among the best. Other distance men who have a fine chance of exciting some points are McKee, McElwee, Harburt and Barrows. If the weather is favorable a hurdle race will be held and Lawrence, the former Princeton rifleman, is expected to star in this event.

Varsity Riflemen

Start on R.O.T.C Grading Matches Begin This Week on Long Set Of Targets To Grade

(Continued from Page 1)

stone power stations, hy-

dro-electric developments, trans-

mission lines, city and Interurban

wires, industrial plants, wires-

bones and insulation.

CONSTRUCT sitter from their own designs or from designs of other engineers or architects.

OPERATE public utility and in-

dependent power properties.

REPORT on going concerns, pro-

posed extensions and new proj-

ects.

FINANCE Industrial and public utility properties.

NEW YORK BOSTON

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SPRATT TYPEWRITERS CO.

90 Arch Street, Boston

THE TECH

Page Three

Wednesday, January 11, 1928

WHAT LIES BEYOND THE MOUNTAINS?

Mountains block the trail of the pioneers who opened up the far west. But that impeding way of the true pioneer—to explore and know the country beyond—spurred them to sur-

mount these barriers.

In office and laboratory, mountainous problems in management, in methods and in scientific research continue the work of the Bell Telephone System. Yet that same

pioneering instinct—the urge to better the known and attain the unknown—is carried through by us.

Just as it has brought them through the difficulties in achieving nation-wide uni-

tification, it was efficiently cognizant of the need for and wisely administered. To the modern frontiersman who carry on this work of exploration, the thrill of adventure that lies in discovery.

SIMPlex WIRE & CABLE

Manufacturers and Dealers

Chicago, Boston, New York, San Francisco, Jacksonville

SIMPlex WIRE & CABLE

Manufacturers

BOSTON

of Targets to Grade

TOPIC

Grade Matchings

Begin This Week on Long Set

Of Targets To Grade

(Continued from Page 1)

Although Yale and Dartmouth scored great goals against Technol-

gy thus Harvard, the Engineers are insurmountable in the estimation of the West. Harvard has one of the best teams over and under and should be a strong challenge of

the American college opponents.

PASSING THE PACK

If the weather conditions are favor-

able, the freshmen hockey players will

get a chance to open their season with

a game with Newton high tomorrow

afternoon. A scheduled day for last

Saturday, but lack of ice compelled

postponement.

The Varsity players will have two

practises sessions this week, the first

one this morning and the second to-

morrow. The game with New Hamp-

shire has been postponed until the

night of Friday, and so the next time

the Engineers will meet the Western

will be February 4.

SPRINGFIELD TO

OPPOSE WORCESTER

Locy and Jarosh Are Two of

The Best Backstrokes

In The East

Technology's swimming team is not in;

the best condition at it was supposed

originally, but they are still weak in a

certificated. The most with Worcester

Tech on Saturday will be a real test of

the track's fitness as Amherst was not

credited with having an excep-


sively powerful team.

Divers have been the one sore point

of the game since the beginning of

the season and it has been this one

event that has weakened the team

more than anything else. McGuane

is the only diver that the Engineers

can boast of but it will require a few

more moves before he really rounds

into top form.

Grover's resignation has caused a

weakness in the dash events and it

was in these events that Amherst

gained most of their points and wins.

If someone could be found to replace Grover in these two positions, the

engineers would have a rather strong

team. It appears Grover's loss has

only affected the dash events and none

of the others, as able substitutes have

been found to fill practically all the

other positions.

At present the Bears have a rather

weak relay team, but they have shown

plenty of fight and as soon as they get used to the absence of last

year's veterans they should be able to

hold their own in this event.

Probably the strongest position is

the backstroke where two able men

Locy and Jarosh. These men are practically the equal of any of

the backstroke men in the East and this event is probably the one that the

Central and Gray can be sure of

taking the honors in.

Someone at Middletown has suggested the idea of giving the students the privilege of selecting the college

team. It appears Grover's loss has

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Dartmouth Paper Publishers Synopses Of Undergraduate Course Criticisms

(Continued from Page 1) of the courses offered at Dartmouth College. The following summaries are based on the courses as advertised in this issue. Some seem better than others, but all are generally of greater good. Some may appeal to different tastes, and others may not be as well suited to individual students as those in the better known sections. The following summaries are based on the courses as advertised in this issue. Some seem better than others, but all are generally of greater good. Some may appeal to different tastes, and others may not be as well suited to individual students as those in the better known sections.

Physics I: Classical Mechanics. A study of the principles of mechanics, including kinematics, dynamics, and statics. The course is designed to prepare students for further study in physics and engineering.

Physics II: Electromagnetism. A study of the principles of electromagnetism, including electric and magnetic fields, circuits, and waves. The course is designed to prepare students for further study in physics and engineering.

Physics III: Quantum Mechanics. A study of the principles of quantum mechanics, including the wave-particle duality, Schrodinger's equation, and quantum mechanics. The course is designed to prepare students for further study in physics and engineering.

Physics IV: Thermodynamics. A study of the principles of thermodynamics, including the laws of thermodynamics, the concept of entropy, and the concept of energy. The course is designed to prepare students for further study in physics and engineering.

Physics V: Mechanics of Materials. A study of the principles of mechanics of materials, including stress and strain, elasticity, and fracture mechanics. The course is designed to prepare students for further study in engineering.

Physics VI: Fluid Mechanics. A study of the principles of fluid mechanics, including the laws of fluid motion, the concept of viscosity, and the concept of turbulence. The course is designed to prepare students for further study in engineering.

Physics VII: Heat Transfer. A study of the principles of heat transfer, including conduction, convection, and radiation. The course is designed to prepare students for further study in engineering.

Physics VIII: Nuclear Physics. A study of the principles of nuclear physics, including the structure of the nucleus, nuclear reactions, and nuclear energy. The course is designed to prepare students for further study in engineering.

Physics IX: Solid State Physics. A study of the principles of solid state physics, including the properties of solids, the concept of electronic conduction, and the concept of superconductivity. The course is designed to prepare students for further study in engineering.

Physics X: Astrophysics. A study of the principles of astrophysics, including the properties of stars, the concept of black holes, and the concept of dark matter. The course is designed to prepare students for further study in engineering.

Physics XI: High Energy Physics. A study of the principles of high energy physics, including the properties of subatomic particles, the concept of the standard model, and the concept of quantum gravity. The course is designed to prepare students for further study in engineering.

Physics XII: Statistical Mechanics. A study of the principles of statistical mechanics, including the laws of thermodynamics, the concept of entropy, and the concept of energy. The course is designed to prepare students for further study in engineering.

Physics XIII: Quantum Field Theory. A study of the principles of quantum field theory, including the concept of the quantum electrodynamics, the concept of the weak and strong forces, and the concept of the grand unification theory. The course is designed to prepare students for further study in engineering.

Physics XIV: Cosmology. A study of the principles of cosmology, including the properties of the universe, the concept of the big bang, and the concept of dark energy. The course is designed to prepare students for further study in engineering.

Physics XV: Black Holes. A study of the principles of black holes, including the properties of black holes, the concept of the event horizon, and the concept of the information paradox. The course is designed to prepare students for further study in engineering.

Physics XVI: Particle Physics. A study of the principles of particle physics, including the properties of elementary particles, the concept of the standard model, and the concept of the grand unification theory. The course is designed to prepare students for further study in engineering.

Physics XVII: String Theory. A study of the principles of string theory, including the concept of the string, the concept of the superstring, and the concept of the M-theory. The course is designed to prepare students for further study in engineering.

Physics XVIII: Quantum Computing. A study of the principles of quantum computing, including the concept of the quantum computer, the concept of the quantum algorithm, and the concept of the quantum cryptography. The course is designed to prepare students for further study in engineering.

Physics XIX: Quantum Information. A study of the principles of quantum information, including the concept of the quantum bit, the concept of the quantum channel, and the concept of the quantum cryptography. The course is designed to prepare students for further study in engineering.

Physics XX: Quantum Computing. A study of the principles of quantum computing, including the concept of the quantum computer, the concept of the quantum algorithm, and the concept of the quantum cryptography. The course is designed to prepare students for further study in engineering.

Physics XXI: Quantum Information. A study of the principles of quantum information, including the concept of the quantum bit, the concept of the quantum channel, and the concept of the quantum cryptography. The course is designed to prepare students for further study in engineering.

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Physics XXV: Quantum Information. A study of the principles of quantum information, including the concept of the quantum bit, the concept of the quantum channel, and the concept of the quantum cryptography. The course is designed to prepare students for further study in engineering.