



**THIS BEAUTIFUL
Diamond Engagement Ring
\$75.00**

*Never Has Such Value Been
Shown in Boston Before*

FINE blue white, perfectly cut and very brilliant stone, mounted in an exquisitely carved 18K white gold ring.

Mail Orders filled. Money returned if not satisfied.

F. G. Butler & Co., Inc.
59 TEMPLE PLACE, BOSTON
Diamond Merchants and Jewelers in
this city for thirty years
Send for our diamond booklet

THE PARROT

157 MASS. AVE.
BOSTON, MASS.

Candy Shoppe and Tea Room

ANNOUNCE THEIR OPENING

Home Made Candies

Home Made Pastry Tea Room Specialties

Afternoon Tea

Supper

Luncheon 11 A.M.-2:30 P.M., 40c.

Dinner 5:00-8:30 P.M., 50c

Waffles 8:30-12 P.M.

STUDENTS PATRONAGE SOLICITED

HEWINS & HOLLIS

Men's

Furnishings Goods

4 Hamilton Place
Boston

Opposite Park St. Church

BOYLSTON

SHOE REPAIRING CO.

Shoes Repaired :: Hats Cleaned
All Shines

991 BOYLSTON ST., BOSTON

Tel. Back Bay 2899

Who Blew Gold?

**M. I. T. STUDENTS DID!
AT 1024 BOYLSTON ST.
AND GOT ITS WORTH
AT MODERATE PRICES**

Lobsters : Oysters : Clams
Steaks : Chops and Roasts

**THE BLUGOLD RESTAURANT
AND SEA GRILL**

Tech's Radio Store
JOHN SPANG
Radio Supplies

—The Store of Quality—
125 MASSACHUSETTS AVE.
Next to Cor. of Boylston St.
BOSTON :: Tel. Ken. 674



STONE & WEBSTER

INCORPORATED

DESIGN steam power stations, hydro-electric developments, transmission lines, city and interurban railways, gas and chemical plants, industrial plants, warehouses and buildings.

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

MANAGE public utility and industrial companies.

REPORT on going concerns, proposed extensions and new projects.

FINANCE industrial and public utility properties and conduct an investment banking business.

NEW YORK BOSTON CHICAGO

**THE TRUTH ABOUT CIVIL
ENGINEERING**

(Continued from Page 2)

nature to the use of man. That is pretty broad defining and does not help much in an interpretation of the civil engineer. Another and less dignified definition is that an engineer is one who can do for one dollar what any fool can do for two. But that merely explains motive and does not describe activities. It will help to an exact appreciation of what a civil engineer is perhaps to say that he is one who conceives and executes the structures necessary to man and the services necessary to his health and convenience. Bearing in mind, then, the important dual capacity of both conceiving and executing—he is responsible for bridges and buildings, for tunnels, for roads, railways, canals, for the control and regulation of rivers both as protection against floods and as preservation for power or water supply, be it for drinking water or irrigation, for draining wet lands and for watering those that are over dry, for laying out and maintaining the streets of our cities, for bringing water to those cities and for taking away their refuse.

These are his practical activities; he is, it will be seen, the great satisfier of the physical and material needs of man. For that, however, the civil engineer takes no undue credit, for he realizes that civilization is a complicated organism, that each of the many functions has equal importance. The civil engineer is no more necessary than the doctor, the merchant, or the farmer, for without any of them the organism would either cease to function or at best function very imperfectly.

The civil engineer does, however, take credit for the manner in which he goes about satisfying the needs of humanity. He believes that the underlying principle of his creed and the way he practices that creed entitle him to a better appreciation of his wider capabilities, not because such appreciation would hasten his own advancement but because it would react to the good of every one.

Honesty and economy are the fundamentals of this creed. The engineer is not vainglorious when he says that he is honest; he is not thanking God that he is not as other men. It is merely one way of expressing the scientific spirit that must govern engineering. From his earliest school days he is taught to pursue the facts and nothing but the facts. He must know the truth and he must utilize only the truth. Those material things he deals with are not susceptible to argument; they will act only according to immutable law. Added to this basic necessity for knowing the facts he must have the faculty of moving from fact to further fact by reasonable processes of thought so that the final result will be as near in accordance to the truth as the frailty of man's mental processes will permit.

It is submitted that the type of mind which is insatiable in its desire to learn the truth and then trained to apply that truth to beneficial ends is one which the world can well use in solving many of the problems not ordinarily associated with civil engineering.

The second part of the engineer's creed is equally important—economy. To do a thing as well as it needs to be done for the least cost consistent with that end. Not to do it cheaply,

for that would not be doing it as well as it need be; not to spend money in needless embellishment, for that would be doing it better than it need be, but to weigh the necessities and then exactly to satisfy them—this is the engineering ideal. Is not such an ideal needed in our government? Is it not needed in our industries? Is not the man who truly serves such an ideal better fitted to conduct a city than the much vaunted business man whose ideal is profit, whose whole training is based on a judicious assumption of risk and who is satisfied if one successful venture more than makes up the losses from half a dozen unsuccessful ones?

And so we civil engineers make a plea to the rest of you. We are not khaki clad romantics—though some of us do wear khaki once in a while and probably all of us have as much of a romantic and adventurous streak as the next one. We are not those chaps you see out on the road once in a while peeping through a funny looking telescope set up on three legs. Surveying is a necessary but rather elementary part of engineering, though every artist who paints a picture of an engineer sticks him up alongside a thing he fondly considers to be a surveying instrument. We are not rank materialists who are concerned only with the putting together of so much steel and concrete into a usable structure. We are a group of men reared in a stern school of adherence to facts who are touched now and then with the divine spark of imagination which gives you a Brooklyn Bridge or a Catskill Aqueduct. Because of the very nature of that with which we deal we must see clearly if we are to succeed. Because no material thing can be completed without human aid, we must understand our fellow man. Because only those things that pay can be built in this material world, we must appreciate the value of the dollar and what it can be made to do. We submit that here is a combination of qualities—quantities, be it noted, of ways combined in each member of that profession—which the world has not adequately utilized.

Meanwhile, do not think of civil engineers as mathematicians who possibly make mathematics do things or, at the other end of the scale, as mechanics who have not organized in labor unions. Think of them as practical scientists, as men who come in daily contact with three things, (1) natural forces, (2) man and (3) money. To co-ordinate these three so that they jointly can do the best work is the real job of the engineer.

INTERCOLLEGIATE

**NOTED EXPLORER SPEAKS AT
HARVARD**

Fridtjof Nansen, Arctic explorer and European relief worker spoke on Thursday afternoon to the students at Harvard University. His talk was on personal experiences.

HOLIDAYS FOR CASH

Conditions have changed somewhat since the days before the war of our independence when at the University of Pennsylvania it was possible to obtain a holiday for a small sum of cash. An old rule of the University which has been brought to light is as follows: 'A holiday may be had by any person making a present of a book of ten shillings value to the library.'

Notices and Announcements

All notices for this column should be in by the morning of the day preceding the issue.

OFFICIAL

NEW METALLURGY COURSE

The attention of Seniors and Juniors is called to Course 3.942, "Metallurgy of the Common Metals," an optional course open to all men who have had first year chemistry. For further information see Professor C. R. Hayward, room 8-209.

UNDERGRADUATE

AMERICAN CHEMICAL SOCIETY

There will be a meeting of the American Chemical Society, Northeastern Branch, in the north hall, Walker, Saturday, January 12, at 5:30.

We are the
OFFICIAL JEWELERS
of the
Harvard Co-operative Society
Special Discounts on
**DIAMONDS, WATCHES,
JEWELRY, SILVERWARE,
LEATHER, GLASS**
Fountain Pens
Silver Cigarette Cases
Belt Buckles, Eversharp Pencils
THOMAS LONG COMPANY
41 SUMMER STREET

WALKER COMMITTEE DANCE
The Walker Memorial Committee will give a tea dance in the main hall of Walker, Saturday, January 19, at 3 o'clock.

ATHENS CAFE
American and Greek Food
Par Excellence
694 WASHINGTON ST.
BOSTON

**REWARD OF \$100
FOR SINGLE WORD**

**Quincy Man Makes Offer for
Word Conveying Disgrace
of Drinker**

One hundred dollars reward is offered for a single word which will convey the same disgrace to the prohibition law breaker that "scab" does to the strike breaker. \$100 in gold is the prize offered for this one word by Decevere King, Vice-President of the Granite Trust Co., Quincy, Mass. The competition is open to everyone. Here is an opportunity for some Institute man to acquire "fame and fortune" during the vacation.

Mr. King declares "I believe the whole atmosphere about prohibition can be changed—that lawless drinking can be made 'bad form'—just by getting into general use a word describing the present day drinker that will bite as does the word 'scab.' In a strike men are held in line by fear of that word and during the war, men were driven to doing things by fear of being called 'slacker.'"

"What then is that word or coined word which expresses the idea of 'lawless drinker,' or 'menace,' or 'scoffer,' or 'bad citizen,' or whatnot, with the biting power of 'scab' or 'slacker'? I offer one hundred dollars in gold for the best word."

The contest will close Tuesday, January 1, so very little time remains for suggestions to be submitted. Any number of words may be presented by the same party, and should be sent to D. King, Granite Trust Company, Quincy. A. J. Davis, Regional Superintendent for the Anti-Saloon League of America and Reverend E. T. Root, Secretary of the Massachusetts Federation of Churches, will act as judges.

Mr. King was favorably impressed by an editorial opposing drinking which appeared in a recent number of THE TECH and was prompted to send the editor a copy of the announcement of his offer. He particularly commends the statement "it is high time for people to cease taking Prohibition as a joke."

Although the letter was sent to the editor and the competition is open to all it has been suggested that the Lounger furrow his massive brow and wield the mighty pen. However, the Lounger is not the only one who is capable and some number of the student body should be richer by \$100 before long. All that is needed is a quick mind and a ready pen.

**MUSICAL CLUBS PLAY
IN BROOKLYN TONIGHT**

(Continued from Page 1)

who has shown so much promise this year will be unable to go on the trip.

For each performance the clubs will give practically the same concert with only such minor changes as the management sees fit to make at the time. A representative program follows:

1. March of the Mannikins
Scoutin' in the U. S. A.
Adaption by D. Onivas
Banjo Club
2. Rise, Sleep No More
H. J. Stewart
Glee Club
3. Banjo Duet
Raymond Mancha '26 and
D. A. Shepard '26
Selections
4. A Kiss in the Dark Victor Herbert
Love's Old Sweet Song Molloy
Mandolin Club
5. Glee Club Quartet
Selections
6. Beside a Babbling Brook
Walter Donaldson
Yankee Pep H. F. Odell
Banjo Club
7. When the Roses Bloom Hoffnung
Wake, Miss Lindy! H. W. Warner
Glee Club
8. Dippy Davy Duo
Selections
O. H. Davol '24 and
D. K. Grant '25
9. One Night in June
The Cradle Song M. Hauser
Mandolin Club
10. Gypsy Love Song Victor Herbert
Glee Club
11. Popular Selections
Dance Orchestra
12. Stein Song Bullard '89
Combined Clubs

ANY DAY ANY TIME ANY PLACE
Drive Yourself in a New Ford
—on—
That Week-end Trip — The Wellesley Date — Your Christmas Vacation
AUTO RENTING CO., Inc.
Univ. 5109 972 MASS. AVE., CAMBRIDGE Univ. 5756-W



Dress Clothes for Every Occasion

For Hire or For Sale

All New

Dress Suits

Tuxedo Suits

Cutaway Suits and Full Dress Accessories

Best Service in Boston

Prices the Lowest

SPECIAL RATES TO TECH STUDENTS

Edward F. P. Burns Co.

125 SUMMER ST., BOSTON Telephone, Liberty 3572

**THE TECH EXPLAINS
INSTITUTE COMMITTEE**

(Continued from Page 1)

dents. Any undergraduate may speak at these meetings. Final action is taken by a vote of the entire Institute Committee.

Changes in organization of undergraduate activities such as the abolition of the Technique Electoral Committee, and the reorganization of the Managing Board of THE TECH are brought up, discussed, and voted upon at the regular meetings of the Institute Committee. Class elections are ratified by this committee before they are announced, and in case of protest, the Institute Committee finally decides the legality of the election.

The Institute Committee is the ultimate judge, the legislative, judicial, and executive powers of the undergraduate world. At Technology all activities are entirely controlled by the students, and the Institute Committee is the body which represents the students in this control.

**The Egypt of
the Ancients**

in all its splendor is just across the Charles—the Egyptian Room of the Brunswick. Come where you may feast and dance under the alluring spell of the lotus flower—and to the strains of Leo Reisman's syncopating orchestra.

L. C. PRIOR

President and Managing Director

EGYPTIAN ROOM
The BRUNSWICK The LENOX

**FOR CONSTIPATION
USE**

FABERY'S SALTS

GET IT AT MILLER DRUG CO.
21 MASS. AVE., BOSTON, MASS.

Robert A. Boit & Co.

40 Kilby Street
Boston

**INSURANCE
OF
ALL KINDS**

**BRAIDED CORDS and
COTTON TWINES**



Trade Mark

SAMSON CORDAGE WORKS

Boston, Mass.