Large Percentage of Class of 1937 Have Bought Ties

More Than Ninety-Five Per Cent of Class Rallies to Display Spirit

MORE THAN 470 THIS SOLD

Tolled Crowned by Franklin Rules Commission Will Try Offenders

More than 90% of the freshmen who bought the required Cardinal and Gray ties, according to tentative estimates, have already worn them. These estimates on the number of ties sold, plus 90% of the freshmen, leaves only about 10% of the freshmen who have not yet bought the ties. If this estimate is correct, the total number of ties sold will be about 470.

RUSHING AT CAMP ELIMINATED THIS YEAR SAYS T.C.A.

G. Peter Grant, '35, Camp Director, Reports That All Freshmen Returned on Time

ACTION SETS PRECEDENT

Grant Credits Premiums for Safety Despite Necessity for Armed Guards

New students to attend All-Tech Smoker on Oct. 6

Dunning Heads Committee and Stockmayer is Chairman of the Ushers

The Tech's Mass Meeting Will Be Held on Friday at 5 P.M.

The annual Tech smoker, originally announced for Thursday at five o'clock, has been changed to Friday at the same time. All freshmen are invited to attend.

Speakers for the occasion will be Arthur W. Walker, '82; Arthur D. Little, '85, head of the chemical firm bearing his name; Isaac W. Litchfield, '58, chairman of the executive committee of the Tech fraternity, and Frederik G. Fawcett, Jr., instructor of the freshman journalism course.

The Tech will reach every dorm resident

Contract Made by Dormitory Committee; Will Return Paid Subscriptions

In order to allow dormitory residents greater facilities for learning current affairs in the dormitories, the Dormitory Committee has recently made a contract with THE TECH whereby every dormitory resident will receive a copy of the paper gratis at the end of each term. Those residents who have already purchased subscriptions may obtain a refund of the full amount at the business office of THE TECH.

This display of class spirit is much more than a mere act of ancestor worship. As a matter of fact, it is one of the oldest traditions of the college.

Field Day Supplanted Cane Rush Field Day, in its present form, was introduced in 1932. It is a tribute to the death of a freshman the previous year during the Cane Rush. (Continued on Page 3)

Haines Addresses Cheering Throng at Crew Meeting

Dunning Thrills Freshmen With a Promise of a Season of Victories

To a cheering crowd of victorious freshmen and upperclassmen, President James B. Dunning, '33, said: "This is the year of the cox, painted in glowing word picture the joys of participating in Technology's number one sport. White, woman, and song together with the use of tobacco were strongly advised against by the several speakers, for those stalwart gentlemen making the sport. Gay flappers, captain of the victorious hundred and one freshmen, who, as he tells the story, was a classic instance of that of his famous father, ended the pep talk with a shot of "Lily white."

(Continued on Page 3)

Enrollment Exceeds Earlier Estimates

Although definite figures have not yet been released, approximately 4,400 students, representing a larger number of freshmen than in any other year, have registered for the current session. This is an increase of over 25%, according to the registrar, who has already begun to issue the required allotments of the freshmen fringes for Field Day, which will take place on October 27. Richard Bell, Stricklor president, is also reported to have begun sophomore mobilization.

As Field Day approaches, planning from today, organization will have to be done expeditiously, and the members of the various events are faced with a lot of intensive practicing.

The enrollment of the class of 1937 will probably have the advantage of numbers over the class of 1936, so that the administration can better exploit its experience of last fall when it was defeated in every event and will undoubtedly present a stronger field this year. (Continued on Page 4)
the course of events on Manhattan Island, where many Cuban
maintained by disinterested Cuban marines. And surely the Cub-
intervene in the United States during 1934, 1936, 1938, etc.
practice intervention in Cuba in 1933, 1935, 1937, etc., and let Cuba
ed until it has managed to put down disturbances. Meanwhile
and the United States, published today the following:
ber what he is here for, and should conduct himself accordingly."

Whatever the activity, however, it is to be emphasized that
is such a person, "has named the cover
POTTAGE AND SHORT
of the newer trends in design are
makes a good defense and almost
was editor of the Boston Post Office.
Member Eastern Intercollegiate
Newspaper Association

CIRCULATION DEPARTMENT
E. L. Pratt, '36
E. Koontz, '36

ADVERTISING DEPARTMENT
P. D. Cobb, '36, Associate Manager
G. E. M.; R. G.; H. B. Thompson, '36

PHOTOGRAPHIC STAFF
W. H. Bracken, '34

Features Writers
P. S. Petersen, '36, A. A. Cara, '36
G. R. Knapp, '36
A. C. Emmons, '36
A. V. Macdonald, '36, B. D. Meyrowitz, '36
W. E. D. H. Rettig, '36
E. H. Schefflen, '36

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MINIATURE SEA WALL IS STUDIED

(Continued from Page 1)

... the sea action on the artificial sand and pebbles on the Beach Laboratory caused its inhabitants to assume new positions. The movements of the sand and pebbles were continuous, the waves one after the others, each in sequence. A marked change in their position was noted. The sand moved towards the eroding side, while the pebbles moved towards the protected side. This movement continued until a new equilibrium was reached. The rate of movement was much slower than the rate of movement of the sand. The pebbles were much heavier than the sand, and therefore required more energy to move. The sand was much lighter than the pebbles, and therefore required less energy to move. The results of this experiment are important for the study of coastal processes and the design of coastal structures.

SPORTS COMMENT

The annual field day at the Institute is a popular event that is eagerly anticipated by students. The day is filled with a variety of events, including track and field, relay races, and boat races. One of the most popular events is the egg toss, where teams of four students throw eggs across the field to see who can toss the eggs the farthest. The event is a fun and competitive way for students to engage in physical activity and build team spirit.

FINISH TIMES

The following table shows the finish times for the different events at the field day:

<table>
<thead>
<tr>
<th>Event</th>
<th>Finish Time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprint Relay</td>
<td>1:55</td>
</tr>
<tr>
<td>Long Jump</td>
<td>3.2</td>
</tr>
<tr>
<td>Shot Put</td>
<td>9.7</td>
</tr>
<tr>
<td>Discus</td>
<td>16.5</td>
</tr>
<tr>
<td>400 Meters</td>
<td>59.8</td>
</tr>
<tr>
<td>800 Meters</td>
<td>2:30</td>
</tr>
<tr>
<td>1500 Meters</td>
<td>4:50</td>
</tr>
<tr>
<td>3000 Meters</td>
<td>10:20</td>
</tr>
<tr>
<td>Discus Throw</td>
<td>175.2</td>
</tr>
<tr>
<td>Shot Put Throw</td>
<td>50.3</td>
</tr>
<tr>
<td>Long Jump Throw</td>
<td>13.5</td>
</tr>
<tr>
<td>High Jump Throw</td>
<td>2.0</td>
</tr>
<tr>
<td>Pole Vault Throw</td>
<td>14.5</td>
</tr>
<tr>
<td>Horizontal Bar Throw</td>
<td>3.0</td>
</tr>
<tr>
<td>Long Jump and High Jump</td>
<td>7.0</td>
</tr>
<tr>
<td>Long Jump and Pole Vault</td>
<td>10.5</td>
</tr>
<tr>
<td>Long Jump and Horizontal Bar</td>
<td>13.0</td>
</tr>
</tbody>
</table>

CANDIDATES FOR FRESHMAN TRACK AND FIELD TEAM

Dr. Turner Discovers Boys Who Might Be Fast in the Future

Dr. Turner, the head track and field coach at the Institute, has been particularly interested in the potential of the freshman boys. He has discovered several boys who show promise in track and field events. Dr. Turner is confident that these boys will be successful in the future and is eager to see how they perform in the upcoming season.

SOURCES AREA

Factors Influencing the Growth of Children

The growth of children is influenced by a variety of factors, including nutrition, physical activity, and genetics. The following table shows the sources of growth for children:

<table>
<thead>
<tr>
<th>Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition</td>
<td>50%</td>
</tr>
<tr>
<td>Physical Activity</td>
<td>30%</td>
</tr>
<tr>
<td>Genetics</td>
<td>10%</td>
</tr>
<tr>
<td>Environmental Factors</td>
<td>10%</td>
</tr>
</tbody>
</table>

FRESHMEN RECEIVE ADVISEAT MEETING

The entire freshman class attended the freshman meeting on Monday afternoon, which was presided over by Dean Harold E. Leachel, IS '73, and was formally greeted to the Institute by prominent members of the Faculty, including Vice-President Vassar Husch and Professors William E. Emerson, Frederick S. Woods. Professor Woods told the freshmen, in part: "... to carry on a successful career at the Institute a man must be willing to work more or less steadily. Technology is not all work. There is a large system of undergraduate activities and by all means a student should take part in them; but he should not forget relative values. When it comes to a show-down, he must remember what he is here for, and should conduct himself accordingly."

Classified Advertisements


Drawing Instruments

Two Deitingan drafting sets. Resale. 5/30. SLB. Box 111, THE TECH. Ken 505.

If you read this ad, so will 2,000. Advertise through THE TECH's classified columns.

Which Activity Should Join?

That's a big question in every freshman's life these days. First-year students seeking the right answer should attend the UNIVERSITY ORGAN.

Which Activity Should Join?

That's a big question in every freshman's life these days. First-year students seeking the right answer should attend the UNIVERSITY ORGAN.

FRIDAY ON THE NORTH HALL OF WALKER FIVE O'CLOCK

The following Technology Alumni will give advice from their own experiences on extra curricular activities:

ARThUR D. LITTLee, '56
ISAAC W. LITCHFIELD, '56
WILLIAM F. SODERBERG, '56
WILLY W. DUNNING, '56

Mr. Frederick G. Fassett, instructor of the course in journalism at the Institute, will also speak.

Everyone interested is cordially invited to attend.

REFRESHMENTS SERVED
PROFESSORS' ORDERS ARE THE MAIN SOURCES OF BOOKS IN LIBRARIES

Over $16,000 Spent Annually for 4,000 New Volumes in Central Library and Its Branches.

In an interview with Miss Merian Smith, reference librarian of the Institute Central Library, a number of facts concerning the buying of books for the library were uncovered.

Three general phases of the question have to be considered: the amount of money available from the regular library budget and the endowment funds, the demands for books from the various departments, and the system by which the books are finally selected and entered upon the buying list.

14,000 Dollars Spent Yearly

On an average, 14,000 dollars from the library budget and 2,500 dollars from endowed funds is spent annually for reading material. About half of the appropriation from the library budget is used in obtaining periodicals and in binding worn books. The remainder and almost the entire endowment fund are invested in new books of which approximately 2,000 are bought. This makes the average price of the books about $3.50. Between 2,000 and 3,000 more books are acquired by binding and gifts.

According to Miss Smith the second thing to be considered is the most important and difficult problem, the division of the available money so as to fit the needs and demands of each department as nearly as possible. The number of students and professors in each course, the relative cost of books in the different courses, and also the relative need for new books, she stated, all have to be taken late account. By way of example, the departments of Chemistry and Business and Engineering Administration were cited. Miss Smith showed that new books in these two fields are least expensive, are demanded infrequently, are seldom purchased. As a result more books are bought for economics and business management as a rule, and that recent books on metallurgy at the V. P. I. unusually expensive, are demanded infrequently, are infrequently purchased. As a result more books are bought for teaching purposes.

Twofold Buying Process

The process by which the buying list is made is twofold. First, the order of the professors are taken into consideration. Each professor is given order blanks with spaces for titles, publishers' names, prices, and the professor's signature. In addition there is a space provided for the approval and signatures of the department head. If the budget allotment for that department has not been exhausted the requested book is put on the list. Second, a set of Library of Congress catalogue cards of all new publications is sent to Miss Smith periodically. She goes through them and picks out books of value to the Central Library and sets them aside until time for the buying list. Then whatever remains of the budget, if any remains, is spent in buying these books. In this manner the Institute Library is constantly being enlarged and kept up to date.

Virginia Gold Rush

The glittering hope for sudden wealth kept the department of metallurgy at the V. P. I. unusually busy during the early summer. But not for the reason one might suppose. The search for gold and other "pay dirt" created a stir in Virginia.

Why do we say "Always Luckies Please"? Well, one reason is that every Lucky is made of choice, ripe tobaccos-the Cream of the Crop. Another reason-Luckies are always round, firm, fully packed-with no loose ends to spatter and spark. Careful examination and inspection by over 60 precision instruments and 17 alert scientists guarantee unfailing uniformity. That's why Luckies draw so easily, burn so evenly-always mild and smooth. And that's why — "Always Luckies Please!"

"it's toasted"

FOR THROAT PROTECTION—FOR BETTER TASTE

THE TECH

Wednesday, September 27, 1933

NEW STUDENTS TO ATTEND ALL-TECH SMOKER ON OCT. 6

(Continued from Page 1)

Committee and Ushers Named

The committee follows:

John B. Dunning, Chairman; Ger- 
ham K. Crosby, Assistant; Hoyt P. 
Staff; Assistant; Edward P. Brew- 
ney, Refreshments; Henry D. Him- 
phrey, Entertainments; Henry N. 
Karp, Speakers; Marvin J. Silberman, 
Publicity; Louis F. Holiayi, Treas- 
urer; William H. Mills, Program.

The ushers include: Walter H. 
Steckley, Chairman; Cason 
Huston, John B. Ballard, Edward J. 
Haier, Hal L. Bensie, Wesley E. 
Longs, Jr., Ray B. Curtis, Jr., John 
Howell, Jr., John Duff, 3rd, William 
W. Stone, Henry J. Oppenhuysen, 
Peter Grisini, William W. Croes, 
Arthur H. King, Walton H. Marshall, 
Jr., Donald C. Gutleben, John B. 
Chapman, Thomas C. Douthit and 
John P. Carey.

Helps Nonchalence

Experiments at the University of Michigan prove that the ads are right—that the lighting of a cigarette actually aids in maintaining non- 
chalence in moments of stress.—The Technique.

HIGH PRESSURE USED IN ALCOHOL SYNTHESIS WORL

(Continued from Page 1)

synthesis of higher alcohols from water gas; Cray did this for his thesis work. In these reactions 16-40 percent of the gases were mixed in the gas tank outside of the laboratory and the gas compressed by either the small or the large Norwalk compressor which are capable of up to 500 a pressure compression.

At present, an intensive study is being made to determine whether it is possible to suppress the use of acid in the hydration of hydrocarbons to alcohols with the use of high pressures and catalysts. The reaction is made more complicated and the study therefore more difficult by the effects of side reactions in the polymerization of the olefins.

Seven Stages of Man

Baby carriage

Book and slate

Thoughts of marriage

Cannot wait

Nothing car

-Wrinking car

-Party gate

-The Bowling Team

THE TECH