Coop Cuts Refunds, Will Distribute 10% On Cash Purchases

Patronage refunds to be distributed on or after October 13 by the Harvard Cooperative Society. The total sales for the fiscal year ending June 30, 1950, amounted to $3,311,000, of which $679,000 represented Technology assets.

The committee suggests that increased divert-


Female Contingent

Enhanced By 13 Fresh

By SABRA SIEVER and ALICE STAFF

Circle 7-8546. Remember that number. It's an important one if you desire happy female companionship. It's the telephone number of the Women's Dormitory at 120 Bay State Road in Boston.

This year Technology opened its doors to thirteen co-eds. Of these, three will dust and dry mop the floor, three will take care of dishes, three will sweep the floor, and towels twice a week. These services will be provided by the same staff that cleaned the dormitory before the start of term.

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FRISHMEN CAMP

The traditional freshman orientation program was held here at the Institute this year instead of at Camp Wonderland in Sharon, Massachusetts. The committee did a very good job of attending to the necessary minutiae details of the program, and attendance at Freshman Camp was higher by some 100 frosh over last year's figure, but we feel that Freshman Camp should be moved back out to the country. The orientation program should ensure that the fresmen be made mingled under circumstances where acquaintances can easily be made, and this purpose of the program is much better served where the entire class is moved out to the country for a week or two.

Editor ... Thomas G. Hagan, '51

VOL. LXX

Page Two

Friday, September 22, 1950

MANAGING BOARD

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Telephones: KIrland 7-1881, 7-1882.


Robert B. Bacastow, '52

F. Miller, Jr., '53

By STAN BENJAMIN

"Here's one for you," Dave said, when he saw the following telegram addressed to The Tech, "I have a brother in Illinois, and reads: AM SUBMIT- TING TO THE TRUTH THAT A SHIRT IS A SAME AS A BOAT IN A BOMB SHELLING. I SHALL BRING MY KNITTING."—R. W. F. Young.

Well, Mr. Elnstrom, things being as they are, you may just say when box seats in A. BomB shelters will be available, but if you care to come, you must be able to be a good club by some who have found it a refreshing change to the hectic, atomic existence, and his name may not be as familiar as some of the others. The naive outlook above has spread. The success of all future Freshman Camps might be helped by attending the formal dances and for the rest of the time participating in an orientation, and the Institute had suddenly discovered its educational foundation. Whether undergraduate education at Technology should or should not be moved back out to the country, and of attending to the administrative details of the program, and for the rest of the time living much as they would if there were no Camp at all, scattered around in their permanent residences in the Dormitories, the fraternities and in rooming houses.

"KOREA PUT US BACK IN ORIENTATIONAL."—Kirkland.

So read the headline of an article in Tuesday's edition of a large Boston daily. Under the heading of National Affairs, it was largely a reprint of re- cent U. N. doings, but buried near the end was this choice bit of comment: "... But there's something in all of these..."

"As long as we keep the show in a big radical, we are not going to be necessary to mental happiness, but I doubt that even the consequences. Mr. Mack would claim that the "show" has stayed inside the "big roof" of Lake Success..."

Consolation of the Week: We sincerely hope that the following appears in the Old Senior Dorms, having been in bomb shelter not once but twice, as the article below has already gone out to the Battlefields! Frame the entire简直 newsy book above has spread. As to the effect of this, it can be necessary to mental happiness, but I doubt that even the consequences. Mr. Mack would claim that the "show" has stayed inside the "big roof" of Lake Success..."

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58 miles. Each fourth weekend will be
in charge of the showers, lavatories
and corridors, while the fifth, will be
responsible for the stairs, and
the storage and distribution of sup-
plies. The cleaning will be done every
week, and work will take two hours a
day for four weeks, a total of twelve hours
a week.
Two reports will be made out by
the Captains each day, one will
contain the checking of 90 dif-
f rent objects on each floor, while
the other will be an inspection re-
port of 40 different spots in the
dormitory, which will each receive
a rating of excellent, good, fair
or poor. This systematized inspection
is planned to aid the student in his
work and to insure a high standard
of housekeeping.

Plan to be Extended
Mr. Carlisle, Advisor to the Wal-
ker Memorial Student Staff, asked
the Captains in the selection of the
students, who were chosen after
answering questionnaires and be-
ing personally interviewed.

The only student aide plan in this
area, in any way similar to the
one established at Riverside, is in
operation at the Myles Standish
Dormitory. The fourth floor
where fifteen students operate the
dormitory, which will each receive
tax rent as payment.

Mr. Hender, Dean of Students
said. Each member was highly
approved of the plan, and stated
that this is a way we will have to go
if we are to meet the needs of all
those who wish to obtain a college
education.

FROM THE WORLD'S FOREMOST PEN MAKER--
4 new Parker Pens

FOR THE FIRST TIME YOU CAN BUY A MODERN, PRECISION-MADE PARKER PEN AT JUST ABOUT ANY PRICE YOU WANT TO PAY. CHOOSE NOW--START SCHOOL WITH A BRAND NEW PARKER!

NEW PARKER "51" with the Automatic Ink System

$13 50

NEW PARKER "Special"

$10 00

NEW PARKER "21"

$5 00

NEW PARKETTE

$3 00

The world's most wanted pen... now equipped with the new exclusive Aerop-
amic Ink System. Dipped to an absolute per-
cise point. A real innovation in writing performance! In rich colors.

Typical "51" precision features. Parker unique nib. Visible ink supply. 18-glass reservoir. (No rubber parts.) Sup-
plied with No. 18 nib. Silver plate band. 4 colors. Lifetime cap.

Unexcelled for style and precision at any price under $10.00. Octagon cap. No. 18 stainless steel chamber of 18-glass. (No rubber parts.) Slid-
ned silver clip. 4 colors.

The outstanding economical-priced pen of the year. A real Parker... style plus precision value after through. Sail-
mesh, interchangeable top. Stainless cap. 4 colors.

12 Million Volt Generator Now In Final Stages

BY ALEX DENSEBOER

Students who have watch-
ful eyes on the introduction of a new
Technology skyline will be glad to know that at the end of this year one of
the world's largest electric state
installations will be put into action.
With a capacity of 12 million elec-
tronic volts, this generator, designed
by Dr. John S. Haggard of the Dept.
of Nuclear Research, is the second
largest in its type and capacity in
the world.

Tremendous potentials are built up
in the generator on an endless silk
belt which travels at high speeds across glass brushes from
which the power is tapped. The
remaining beam of electrons is shut
down from the tank past the belt
into the room below. It then enters
the V field of a powerful magnet
which deflects the beam across the
X test floor to the desired material.
The belt itself is housed in a 30-
foot steel tank, about three and
three-quarter feet in diameter, and
12-feet in circumference. The bending
surrounded by two and a half feet of ozone to absorb radiation.
This improved type of generator can
produce greater potentials than
its predecessors through its system
of insulation. The twin tanks on
the machine are surrounded by the
inert atmosphere which is
created by carbon dioxide, nitrogen
and oxygen. The belt will operate
in an atmosphere of sulfur hexa-
fluoride or nitrogen at a pressure
of 300 psi.

While the Van de Graaff generator
does not develop the tremendous
potentials of the cyclotron, it does
offer a more closely controlled
stream of electrons. A cyclotron
may develop 60 mev in surges of
energy of 200 mev, but the Van
de Graaff generator supplies a
more direct source in that it pro-
vides a steady and more closely
controlled stream of electrons.
This voltage is controlled by the regu-
lation of the speed of the silk belt.

Lounger

(Concluded from Page 2)

of general interest, starting with
this issue:
"Q. 1. What is your favorite men's
college in the vicinity of Boston?"
"A. Babson, Tufts, and M.I.T.,
in order.

So there you are--third. Of
course Harvard didn't rate at all,
but that's certainly no crit-
icism. How about it, you M.I.T.
Lothariens? Don't you think that
Harvard should be number one?

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MEMBER

FEDERAL DEPOSIT INSURANCE CORPORATION

HARVARD UNIVERSITY STATIONERY CO.

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NEW PARKER "51" with the Automatic Ink System

NEW PARKER "Special"

NEW PARKER "21"

NEW PARKETTE

$13 50

$10 00

$5 00

$3 00

With the M.I.T. Library

The Tech
Symposium Explores Possibilities Of Solar Heating For Houses

Results of experiments in solar heating conducted throughout the United States were presented during the first day of the symposium held at the Institute.

Dr. Hoyt C. Hottel, professor of chemical engineering and chairman of the Institute of Solar Energy Committee, said that the week's conference was designed to help both research engineers pool their knowledge of solar heating and to focus on the prospects for its expansion.

Present-day solar heat collectors in use on experimental houses on Memorial Drive and in Colorado, Dr. Hottel said, operate with an efficiency of about one-fourth what actually falls on them. This means that present-day collectors might be one-and-a-half to two times the area of the house walls and roof inadequate for house heating in climates such as that of Boston.

Because of coldness and haze even on clear days, Dr. Hottel said, the total solar flux in New England is "materially below" that reported in the literature.

"We conclude," he said, "that solar heated houses in New England must be unusually well insulated.

Fresh Girls

(Continued from Page 1)

Elaine Blasnik came from Brooklyn, N.Y., to take a year's course in architecture, "a woman's field," she calls it. She's interested in working with the Drama Workshop or the Tech Show, backstage only. She was also drafted as a cheerleader although she says, "They don't know why we're in for." Floyd likes odd and queer things. Tech men take note.

Bertie (Horace) Close, a junior from Ohio, her far-away home, she hopes to become a chemical engineer but while waiting for her courses to end, she plans to work on The Tech. (God Bless Her.)

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Bertie (Horace) Close, a junior from Ohio, her far-away home, she hopes to become a chemical engineer but while waiting for her courses to end, she plans to work on The Tech. (God Bless Her.)

The committee recommends that education as a part of the common curriculum be increased to two or even three years; it also rejects the suggestion that the educational program should now follow the lines of law and medicine and be built around work on the foundation of a general curriculum in a liberal arts college or university. Of these, it admits it will have benefit for some students but that it does not accept them as general solutions.

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Frosh Football Under Way, Sophomores Report Today

A seasoned Sophomore football squad will report to Head Coach Marc Pearlman this afternoon for their first workout of the season.

Shore of Tackle

The Sophs, who lost a thriller last year to the Class of '52, by a 4-0 count, will be led by Class president Merrill Bloom as tackle. Their experience has augmented the Sophs to a tremendous advantage over the green freshmen who will oppose them on October 28th.

Pearlman's squad will play its first game a bare two weeks from now. The Sophs will take on, northeastern Briggs Field, Saturday, October 7th. After this warm-up they will play two weeks before their next and last encounter. On October 16th they'11 battle the froth of the U. S. Navy Training school from Newport, R.I., on Briggs Field.

At Sophs who wish to become affiliated with the team are urged to turn out as soon as possible.

Maneyes Wanted

Mark Pearlman, head Sophomore football coach, is looking for two or three senior guards to act as mentors for their football team. Cathy men will be interviewed at the team's first practise, which will be held this afternoon at 5:00 p.m. in Briggs Field House.

SORORITY OF SERVICE

The girls who belong are calm, competent, considerate. Their job is to get your call through quickly and accurately, wherever you want to go—day or night, any day of the week. And courtesy is their creed. They are the 230,000 telephone operators of the Bell System.
Forms on the right.

Major and she intends to write for Architecture is her music.

She will be mathematics.

The Tech and W.M.I.T. though she says, “I was member of the Technique staff and I don’t know what they’re interested in Voo Doo until I read them.

Word experimental houses on Memorial Drive and in Colorado, Dr. Buel, professor of chemical engineering and chairman of the Institute's Natural Gas Committee, emphasized the week's conference was designed to help architects and researchers pool their knowledge of solar heating and develop methods to house problems yet to be solved.

Feminist Support

The problems of privately supported universities and colleges were studied by the committee and the report rehearses the dilemma confronting all institutions of higher learning which derive their principal support from private funds. It believes that these institutions must not go out of business, but it recommends that education at such institutions is likely to cost the student more money than elsewhere. It rejects the suggestion that under this plan the area of the house was marked out for house heating in climates such as that of the South West.

Frosh Girls

(Taken from Page 1)
school in Chalmersburg, Pennsylvania, although she lives in Manhattan, Long Island. She plans to become an architect, “a woman’s field” she calls it. Buerk is interested in working with the Drama Workshop or the Tech show, backstage only. She was also drafted as a cheerleader although she says, “They don’t know what they’re in for.” Flfj is odd and queer through and through. Tech men take note.

Barbara Buerk, Akron, Ohio, who that year to Harvard, will become a chemical engineer but while waiting for her course to end, she plans to spend the summer at a five-day “Tex” (God Bless Her.)

Buerk is a native from Brooklyn to study biology. She plays the violin in the Tech orchestra and she wants to sing in the Tech show — if they’ll have her.

Marilyn Leader came to the Institute from Elyria, Ohio, sent Helen Dugar to Schaefer Brewing Co., Boston, and works in Colorado, Memorial Drive and in Texas. She was also drafted as a member of the Technique staff and in the last four years she has taken the problems yet to be solved. The Institute Solar Energy Conversion Committee, emphasized the week's conference was designed to help architects and researchers pool their knowledge of solar heating and develop methods to house problems yet to be solved.

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Texas Represented

Bobbi Kastner, called “Tex” because of her unmistakable accent and loyalty to the Lone Star State, hails from Amarillo. She plans to be a member of the Institute Solar Energy Conversion Committee, emphasized the week's conference was designed to help architects and researchers pool their knowledge of solar heating and develop methods to house problems yet to be solved.

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**Gift of $1,500,000 To Build Auditorium**

A gift of $1,500,000 to Technology from the Kresge Foundation will be used to construct an auditorium on Memorial Drive. The gift was announced during this past summer by Mr. Stanley S. Kresge, son of the founder and a trustee of the Kresge Foundation of Detroit.

**Frosh Football Under Way, Sophomores Report Today**

A seasoned Sophomore football squad will report to Head Coach Matt Pearlman this afternoon for its first workouts of the season.

**Sher of Trouble**

The S'vars, who lost a thriller last year to the Class of '52, by a 19-17 count, will be led by Class president Merrill Boler at tackle. The senior's experience he has accumulated will give the Sophs a tremendous advantage over the fresh who will oppose them on October 28th.

Pearlman's squad will play its first game two weeks from tomorrow. The Beavers will tangle on Briggs Field.

**First Test**

Frosh coaches Howie Anderson, Frank Pyke, and Freeman Dykes signed up 34ally fresh who turned out yesterday for their first practice. Dykes estimates more frosh may have to be cut to a manageable number of 25-30 men limit. 34 freshmen wishing to play football this season are urged to turn out as soon as possible. Those interested report to Howie Anderson at Briggs Field House between the hours of 4:00 p.m. and 5:00 p.m.

**Good Toss Expected**

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**Practice opened today for the Technology Cross Country team with a rough end ahead in rebuilding for this year's competition. Last season, depending mainly on strong balance rather than stand-out runners, the Harriers compiled a highly successful dual meet record, although they were uncompetitive in the New England and Eastern 10 44 Championships. However, graduation took Captain Dan. Holland, Colli, Gordon Duck, Bud Thompson, Paul Lebo, and Jerry Lewis, stripping the team of its depth.

**Rival on Sigos**

With only Captain Bill Nicholos, Larry Foley, Ed Clancy, and Chuck Vinko left in school from last year's group, Coach Redmond will be forced to count mainly on Sophomore talent for material. Leading the Sophomore contingent will be George Coster and Carl Swanson, who consistently ran 1:45 for the Tech Frosh last season. Captains Nicholos, the first junior captain, the team has had in many years, was the standout of the veteran group last season.

**Open Against Utes**

The Harriers, managed by John Campbell, will open against Tufts College October 14th. The rest of the schedule includes Massachusetts Institute, Saturday afternoon, October 21st, the Eastern Intercollegiate Meets.

**Start Season At Brown**

The Technology sailing team will leave Providence tonight and return on October 21st. The team will have two weeks to prepare for the one of the best of the season. The Engineers lost by a score of 3-1 to one of the best of the season.

**Take a good look Frosh! This is what the Field Day glove fight holds in store for you!**

Points are awarded to the winners of each event, with the class having the highest total score declared the winner. The day will be climaxed by a big dance in Walker Memorial which will restore friendly relations between the two classes.

**Second Favors Sights**

The freshman coach will be assisted and aided in preparing for Field Day by the Junior Class, which rounded the class of '53 last year. The senior class will act as assistants to the Sophs. The record, as might be expected, favors the Sophs, the second year men having won 37 times as compared for 13 for the freshmen.

**Men Needed**

Those wishing to sign up for freshmen and sophomore squads should see the coaches of the various sports. The names of these coaches and further information on how to sign up can be furnished by Gus Rath, 1950 Field Day Chairman, in the New Dormitory.

The various freshman coaches all hope for big turnouts and indeed plenty of manpower will be necessary to overcome the experience advantage of the Sophs.

The freshman will have an added incentive for winning Field Day. Since Registration Day all frosh have been working distinctive ties. If they win on October 28th the frosh will no longer be required to wear their badge of distinction. If they lose the ties must be worn until Christmas.

**Over 50 Men Attend Soccer Rally Under New Mentor, Hardy**

Over fifty men showed up for the 1950 soccer rally at Rockwell Cage Wednesday. Many freshmen showed their enthusiasm for the game which is not played frequently by high schools in this country.

This year's team will take to the field under Coach Philip Hardy who will be taking the place of former Coach Richard Thomas.

**Skippers Start Season At Brown In Highland**

The Technology sailing team will leave Providence tonight and return on October 21st. The team will have two weeks to prepare for the one of the best of the season. The Engineers lost by a score of 3-1 to one of the best of the season.

**Beaver Rugby Team**

Last Wednesday the unofficial Tech Rugby team held its first practice on Briggs Field.

Although the team is not as yet recognized by the Athletic Association it has made a very good showing in the past against stiff competition.

**Frosh Face First Test Field Day, October 28**

One of the first big events awaiting the Class of '54 is Field Day, when the frosh put themselves against the sophomores on Briggs Field, the Charles River, and Alumni Pool, to fight for their class honor. Field Day has been held on October 28th since the Class of '52.

The Field Day activities will consist of a football game, swimming meet, relay race, crew race and tug-of-war. Following these events comes **FIELD DAY MAYHEM**

**Harriers Rebuild For 1950; Tufts First Competition**

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**Gift of $1,500,000 To Build Auditorium**

A gift of $1,500,000 to Technology from the Kresge Foundation will be used to construct an auditorium on Memorial Drive. The gift was announced during this past summer by Mr. Stanley S. Kresge, son of the founder and a trustee of the Kresge Foundation of Detroit.
Aviation Convention Highlighted By Talk On Ground Facilities

How the changing demands of rapidly advancing aircraft performance affect airports and other ground facilities was the subject of a three-day conference last week here at the Institute.

Highlight of the sessions, which ended on Thursday afternoon, September 14, was the conference dinner Tuesday evening in the New Dormitory.

Professor A. J. Bone of the department of civil and sanitary engineering was general coordinator of the conference, one of a series of special events which featured the Institute summer session during the 1950 season.

Sponsors of the Conference on Ground Facilities for Air Transportation, in addition to the Institute were the Port of New York Authority, the Civil Aeronautics Administration, and the Massachusetts Aeronautics Commission.

The committee in charge of arrangements included Professor Bone, Professor John B. Wilbur, head of the M.I.T. department of civil and sanitary engineering; Professor Jerome Husak, head of the department of aeronautical engineering; William E. Cullinan, Jr., chief of the airport division, Civil Aeronautics Administration; and Professor Otto C. Koppen of the department of aeronautical engineering.

NOTICES

Institute Committee Minutes

The minutes of Institute Committee meetings for the past two years were taken from the Institute committee offices prior to the opening of school. The Walker Memorial Committee would appreciate it if anyone who knows anything about the minutes would contact Miss Mary Burke in the Institute Committee office.

History Reading Groups

There will be a meeting for students interested in the history reading groups on Monday, September 25, at 3:30 p.m. in Room 2-132. Those groups offer an opportunity for qualified students to do directed reading on special subjects. Students who have already enrolled need not attend the meeting.

Hillel Foundation

Dr. Ludwig Lewinsohn, scholar, lecturer, and author, will speak at a Hillel Cong Shiklas tonight at 7:30 p.m. in the 5:15 Club Room of Walker Memorial. A Friday night service, folk-dancing, and singing will follow.

Tech Show Smoker

TECH SHOW 1951 will hold its annual smoker on Wednesday, September 27, in Tyler lounge of Walker Memorial, from 4:00 to 6:00 p.m. Sign-ups for tryouts for parts in the cast and chorus may be made at the time. If students are interested in the show, they should send a note to TECH SHOW, Building 18.

T.C.A. Smoker

The Technology Christian Association will give a Freshman smoker on Thursday, September 28, in its newly located office on the second floor of Walker Memorial. Refreshments will be served.

Senior Pictures

Seniors must sign up in the lobby of Building 18 before 10:00 p.m., Friday, September 29, in order to have their portraits appear in the 1951 yearbook. Sittings will begin Monday, October 9, in Building 18.


Present at the ceremony as guests of honor were Vice Admiral E. L. Cochran, U.S.N. (ret.) head of the department of naval architecture and marine engineering; and Professor Lawrence R. Chapman, honorary president and faculty advisor emeritus.

To The Class of 1954 and All Other Members of The Tech Family

A most cordial welcome awaits you at Walker

Make your daily visits a constant and regular habit

Morriss Hall
Pritchett Lounge
Faculty Blue Room

Breakfast 7:30-11 Daily 6 a.m.
Luncheon 11:30-1:30
Luncheon 12-1 to 12 midnight
Dinner 5-7

Friday, September 22, 1950