

# The CAMPUS

Undergraduate Newspaper of the City College

Vol. 71, No. 9

NEW YORK, N. Y., FRIDAY, NOVEMBER 20, 1942

BY SUBSCRIPTION ONLY

## New Buildings and Facilities Planned In Huge Post-War Expansion of College

### Prices, Wages In Lunchroom To Be Argued

Discussion of cafeteria prices and wages will highlight the first meeting of the Joint Faculty-Student Lunchroom Committee Monday. Results of the Student Council's poll of 500 student lunchroom clients, and a financial report of the amount of business done by the lunchroom since the beginning of the term will be presented to the seven-man board.

The committee, composed of faculty members Michael Kraus (History), chairman; James Peace (Hygiene); Gustav Schulz (Chairman, Public Speaking); and Miriam Faries, Adviser to Women; and students Jerome Singer '44, secretary; David Helfeld '43; and Robert Popper '45, has general policy-making power over prices and conduct of students, and considers all complaints and suggestions.

#### Mrs. Medalie Addresses SC

There were plenty of these at last Friday's SC meeting. Mrs. Carrie K. Medalie, secretary of the Board of Higher Education, attacked student neglect of cleanliness in the cafeteria and asked members of the council to appoint themselves special monitors to be in charge of cleanliness. She also proposed penalties for violators. The BHE secretary, who was on a Board committee to suggest improvements for the cafeteria five years ago, assured the council that a medium would be found wherein wages would be raised, prices lowered, and some money put aside into a special lunchroom fund. The fact that the lunchroom pays no rent will facilitate the attaining of this end, she said.

#### \$800 For Socials

Mrs. Medalie, who is also chairman of the BHE Student Interests and Facilities Committee, told the council that an appropriation of \$800 would go to the College for social functions this year. She said she would attempt to take steps to lower the required custodial fee of \$9 for student dances to \$4.50. The fee was reduced this term from \$35 to \$4.50 and then raised last week to \$9. SC President David Helfeld '43 and Stan Lyons '44, chairman of the SC Social Functions Committee, are also working on this problem.

Mrs. Medalie expressed disgust with those employers who were prejudiced against College students. Once she actually brought a few students down to a women's club meeting, she said, to show them that the College's students do not "rush around with flowing locks and bombs in their hands." She added that the women were surprised.

### 100 Students to Donate Blood To Red Cross

A Christmas present to the Red Cross of over 500 pints of blood, to be donated before Dec. 25, is the goal of the College Blood Drive, sponsored by the Student War Board. To date, 100 pledges have been received.

Kay Elsas '44, student director of the drive, announced yesterday that pledges may be signed at any time during the day at the SWB desk in front of 100 Main. In addition to the blood campaign, a call has been issued for enrollment in the Red Cross Roll Call at a cost to students of \$25 for the year, instead of the regular fee of \$1.00. Contributors will receive the familiar Red Cross button. On hand at the War Board desks are 350 certificates of enrollment for new subscribers.

"Freedom for India" will be the subject of the next forum of the SWB on Thursday, Dec. 3.

### Prom to Pick Queen Monday

Senior Prom pledges have reached the 100 mark, 50 less than are needed to insure a complete success, the Prom Committee announced yesterday. The affair is scheduled to be held at the Hotel Plaza on Saturday, Dec. 19.

A definite decision as to the prom queen and band will probably be reached by Monday, according to Chairman Fred Coleman '43. *The Campus* has learned, however, that Madeline Carroll will probably be selected as queen.

The Committee also disclosed that the Junior and Senior classes can look forward to a joint pre-prom dance in early December. Special entertainment and a ten-piece band will be offered.

### Johnny Dos Santos' Vocals Spot Colleg-i-antics Debut

Rehearsals over, revisions made, Dramsoc's Fall '42 presentation, *Colleg-i-antics*, is all set for its premiere performance at the Pauline Edwards Theatre, 23rd St. and Lexington Ave. Tickets for tonight's, Saturday's and Sunday's performances can still be purchased at Dramsoc's table in the cafeteria. Plenty of good seats are left.

Parts of the show have been presented at Great Hall rallies and over WNYC. Rumor has it that *Colleg-i-antics* is better than *Skitsophrenia*. Dramsoc publicists claim that the review is as good as *Lysistrata*, another

### Beavers Play Brooklyn on Thanksgiving

By Alfred Lerner

AA officials will no longer have to stay up nights waiting for a telephoned Bowl bid, for the Beavers will do their bit for charity by playing Brooklyn in a post-season match on Thanksgiving Day to determine the "amateur championship" of the city.

Lou Oshins, Brooklyn coach, has challenged the College eleven to play another game to establish definitely which is the better team. If final arrangements can be made in time, the Red Cross will be the beneficiary, as this is Red Cross Week. Otherwise, proceeds will go to the USO. Tickets will be sold at the regular prices, \$.50 for all bona fide students purchasing tickets in advance and \$1.00 at the gate.

#### "T" Not Served

Brooklyn was supposed to have been brewing considerable quantities of bitter "T" for "Doc" Joe Alexander's Beavers last Saturday, but somebody seemed to have diluted it. By the time the dust had blown away, Brooklyn considered itself lucky to come out of the game with a 7-7 tie.

With a 40-mile gale making passing impossible and slowing down the running attack, kicking turned out to be the main weapon, offensively as well as defensively. Leon Weiss blocked a kick, Frank Tejedor recovered, and Moe Assael bucked over for the first College score this season in New York. Irv Rosenfeld converted.

Stan Brodsky got off some beautiful punts which served to keep Brooklyn in its own territory through most of the game. One of them was good for 69 yards before it stopped dead on the Brooklyn 2-foot line.

#### Another Break

Brooklyn achieved a tie as a result of another break. Ralph

(Continued on Page Three)

### City Appropriates \$610,000 For Survey and Design Work

By George Sherry

Plans for a huge post-war expansion of the College plant here, to be financed by federal, state and city funds, were revealed yesterday by President Harry N. Wright in an exclusive interview with *The Campus*.

Provided for in the contemplated expansion are a

#### Campus Moves Again. This Time to 106H

Foreseeing the distant day when they will graduate, the editors of *The Campus* have moved their staff and office to 106 Harris, formerly the headquarters of The Associate Alumni.

To the staff, which had been conditioned to working in offices the size of telephone booths, the new office is of the proportions of a good sized cattle ranch. Students and faculty members with complaints can reach the persecuted editors at above headquarters any afternoon in the week, or on Tuesdays until midnight.

### Rally Honors Czech Heroes

"They shall not have died in vain" was the pludge given by speakers and an audience of 600 at the Hunter College meeting Wednesday night sponsored by the Metropolitan College Committee for International Students Day. The rally commemorated the third anniversary of the massacre of 150 Prague students by Nazi soldiers on Nov. 17, 1939.

Dr. Otekar Odlozilik, former professor of Czech Literature at Charles University, Prague, told of the eyewitness report given him by an American student who had left Czechoslovakia. "The Nazi hordes have done great damage to all university property. They have looted libraries and razed buildings. The depredation is unbelievable."

Dr. Odlozilik went on to relate the demoralization methods used by German students at the Czech-supported German University at Prague prior to Munich. Demonstrations and Anti-Semitic outbursts were staged by these Nazi students who would then protest bitterly about "discrimination" to the outside world when Czech authorities clamped down on further rioting.

Stanley Halperin '43, chairman of the meeting said, "As civilians now, our first duty is to our studies; through them we can prepare ourselves for war service, whether it be on the battlefield, in the factory, or on the farm."

student center for undergraduate lounges, clubs, and publications, and facilities for various other extra-curricular activities; a College theatre; completion and enlargement of the library building; and increased facilities for the physical sciences and engineering departments.

[Last term, on Feb. 25 *The Campus* published an article saying that the site of the vacated Hebrew Orphan Asylum would be used by the BHE and the Board of Education for expansion of the College and for erection of a new public school. Mayor LaGuardia had approved the site, and approval of the Board of Estimate was anticipated. Plans for building were then being formulated, and called for a new School of Technology, as well as facilities for other activities. It is not known whether this is the site referred to by President Wright yesterday.]

"The building program will be of large size, probably increasing the physical capacity of the College's main center by as much as 60%," President Wright predicted. The city's Board of Estimate has already authorized expenditure of \$10,750 for the selection of an architect, to be made within the next few weeks, who will make preliminary studies and plans for the new building program. According to Ordway Tead, chairman of the Board of Higher Education, this money will be raised by city comptroller James McGoldrick from capital funds, bonds, and tax notes.

"This study is being made with the possibility in mind that the federal government will engage in an extensive post-war building program," Dr. Wright said. In addition, it was learned that the City Planning Commission has provided \$602,600 to the four city colleges for an extensive post-war landscaping and building repair program. This will include roof repairs, waterproofing of College tunnels, and other construction work to be suggested in detail by John B. Goodwin, College business manager and curator, and Robert Petros, superintendent of buildings and grounds.

Since most of the buildings of Brooklyn, Queens, and Hunter Colleges are new, it may be expected that a substantial slice of that sum will go to the College. Much of the money for this program will be provided by the state.



# The Campus

Undergraduate Newspaper

The City College

Telephone: AUdubon 3 - 8611  
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**Managing Board**

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Issue Editor: Hochman '44.

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## The Expansion Program

The news of the College's post-war building and expansion program will certainly be a source of comfort to the students and faculty members now at the College. But it is for the future classes, the classes of '46, '47, and so on, that the news has the most significance. As it stands, the students here now should put in their voices for the students' desires as to the uses of the new buildings.

It seems to *The Campus* that the students should be the particular beneficiaries of the new expansion program, especially so in view of the poor facilities available to them now and in the past. Crowded, airless quarters for clubs, publications, and other societies, absolutely no lounges or smoking and recreation rooms for the general student body are conditions peculiar to this institution.

It only seems just, therefore, that these are the people who should benefit from the new program. That is why we feel that students should be represented on one or more of the committees planning the expansion program. Other committees, such as the lunchroom, store, and discipline, have student representation, and it is probably correct to say that the expansion program is more important than any of the others. It will be the students' job to see to it that future classes are not shoved out of the picture when it comes to location of offices and other facilities in the new buildings.

Care must be taken that "promises" made now are not forgotten later. Let us remember that a college is primarily for students.

## A Busy Week-End

That the Beaver eleven after weeks of gruelling practice has gone back to the old grind in preparation for the replaying on Thanksgiving Day of the 7-7 tie game with Brooklyn, and that the College and Kingsmen AA's, who could use the money, are content with donating the proceeds to the Red Cross, certainly speaks well for the forthcoming contest. We think it is not too much to ask that the students do their part by merely attending the game. For every person at the first battle there must have been many more who wished they could have gone. Well, here's their chance.

When one thinks about it, there's nothing like going to a football contest on Thanksgiving Day. The crisp, keen autumn air gives one an appetite, and the turkey and other appurtenances of the Thanksgiving dinner usually satisfy it, topping off a memorable day.

Two other College events also deserve support, namely Dramsoc's latest presentation, *Colleg-i-antics*, and the Alumni basketball game and dance. The latter opens the Beaver hoop schedule for 1942-43, all receipts going to the Stein Memorial Fund. In these times when the war tends to overshadow everything, we are prone to overlook these happenings. Call it morale or recreation or what you will, we cannot emphasize too often the part that sports and other extra-curricular activities play in a student's life.

their return to normalcy

## Beauty, Song To Highlight Stamp Dance

A faculty-beauty contest will feature the Tech Stamp Dance to be held in the Main Gym tomorrow evening. From among the Tech professors who will be at the dance the ladies will choose the one with the most kissable lips, and the one with the smoothest French curves. This promises to be "some fun". In addition, Herb Forman of the chemmies, is scheduled to do impersonations of the Tech faculty. Although the Tech War Committee has been unsuccessful in contacting Bing Crosby for the evening, it has secured a substitute crooner.

According to Dan Naidermast, EE '43, who is in charge of the Dance, at least two hundred couples will swing and sway to the jive of the ten-piece band, which the Committee has hired. Tickets are still on sale at the war stamp desk in the Tech Building. They are \$75. A \$50 war stamp will be given in return for a stub and \$25.

The TWC is arranging to correspond with former members of the Tech faculty, who are now serving in the armed forces. The committee also plans to set up a Bulletin Board in the Tech Building, furnishing complete information on commissions for engineers in the Army, Navy and Marine Corps. It is sending an application down to Washington for Walt Disney shorts on engineering in the war, which, if they can be secured, will be shown at the College.

## Tech Notes

The College chapter of the American Society of Civil Engineers has been cited by the national organization for "their record of outstanding activities and accomplishments" for the second time since 1923. Only 12 student chapters have ever received this honor.

Today, Dr. Kenneth H. Johnson of the Chemical Solvent Corporation will address the student chapter of the American Institute of Chemical Engineers on "Chemical Engineering Problems in the Manufacture of Nitroparaffins."

Sigma Kappa Tau, the Tech school's social fraternity, has started a dancing class for Tech men. Those interested should leave their names in the SKT mailbox. Girls will act as teachers.

## Technically Speaking

By Bernard Hochman

A group of Techmen were up in the drafting rooms one afternoon working on an assortment of problems. Things were progressing peaceably, when one of the fellows, who was drawing up a connecting rod for Drafting 201, asked for a little help. So three other students and he went into a huddle over his drafting board.

The design called for a toroidal intersection of a right prism and the frustrum of a cone. You wound up with something that looked like the inside surface of a doughnut. In other words, he had a surface of revolution which, on paper, looked like a circle with one line tangent to it, and another line intersecting it. This circle was the generating circle; the problem was to locate it with respect to the rest of the piece.

"Why don't you dimension the center from two planes?" asked one fellow.

"Which two? Besides, can I put the dimension lines inside an object?" asked the fellow whose plate it was.

"What's the difference, as long as it can be read," said Techman number one.

"Wait a minute," added a third Techman. "Why don't you imagine you're a machinist. Put yourself in his position and figure out what dimensions you'd want."

"You know, he's got an idea there," commented the fourth. "After all, what's a drawing for? It's for a man who is going to machine the part. If it can be understood so that the piece can be properly machined, then the drawing's okay, rules or no rules."

Following this line of reasoning, it was amazing to see how quickly the problem cleared. These four engineering students suddenly injected another dimension into their reasoning and talked objectively of an absent party—a machinist.

"Let's see now. He's going to turn it in a lathe. He's got to swing an arc of a certain radius and he needs a starting point. So give him a radius and a distance from a previously established plane. And a distance from a centerline so he will know where to set his tool."

The outcome was that they gave him a radius, a distance from a center line, and a distance from a face of the block which was to have been previously milled.

Whether they were right or wrong doesn't matter. In their limited knowledge of machine tools, they may have made mistakes. But we presume that when they become fully trained engineers, they will have an increased knowledge of industrial operations. And having learned to think in terms of the end product, not as the direct result of engineering design, but as the result of successive applications of skilled labor, they will be a helluva lot better engineers.

## Pi Tau Sigma Reps Hold Convention

Bernard Pearlman, president of the College chapter of Pi Tau Sigma, and Howard Judson returned this week from the Pi Tau Sigma national convention, held last week at the University of Minnesota. They brought news that future conventions have been suspended for the duration and the money put into war bonds. Besides the business end of the convention there were many social affairs.

The College chapter of Pi Tau Sigma is relatively new, having been inducted into the national fraternity only last semester. The purpose of Pi Tau Sigma is to confer honor upon mechanical engineering students who have excelled in scholarship, character, and personality. Students are elected into the organization by popular vote of its members. The elections were held yesterday, and their results will be released soon.

## Library

Colvin, F. H. **Gages and Their Use in Inspection.**

Thoroughly practical treatment of modern gages, which are vital to interchangeable manufacture.

Wittmann, K. F. **Industrial Camouflage Manual.**

A timely book, replete with pictorial illustrations of camouflage principles, sponsored by Pratt Institute Camouflage Laboratory.

Slater, J. C. **Microwave Transmission.**

Ultra-high frequency theory in radio, telephone, and electric power transmission.

Hoag, J. B. **Basic Radio.** 1942

Essentials of electron tubes and radio circuits.

Blair, T. A. **Weather Elements.** Revised edition.

Fundamentals of meteorology, with new material on air mass analysis and traveling wave depressions.

## Water Engineering, Chemistry Keep Pool Water Supply Pure

Add to odd branches of the engineering profession: The College maintains two men who act in the capacity of water engineers to maintain a constant, purified flow of water to the swimming pool. One is Edward Bell, who sees that the 18,000 odd cubic feet of water reach the pool through the special filtering system. The other is Radford J. McCormick, coach of the swimming team, whose duties include keeping the water chemically pure and periodically tested.

The water supply is tapped directly from the Croton Reservoir. Before treatment, the water is very dark in color. It is first passed into two tank-like structures at the outside end of the pool, which filter it. The inlet for the water is at the shallow end of the pool, and valves reverse its flow so that

water runs constantly between pool and filters. On one of these filters is an inconspicuous, pineapple-shaped watch glass, which indicates the clarity of the water.

A chlorinating apparatus is set in the middle of the filtering tanks, and the chlorine, which is injected as a mixture of three parts ammonium chloride to one part of ammonia, is added just as the water enters the pool. This supply is maintained constant, and is carefully checked by McCormick.

The chlorine content is maintained at .03 parts per million of water. The pH of the swimming pool water is kept at 7.3, or slightly alkaline, by the addition of soda ash cones.

The Bacteriology Department takes frequent samples of the pool contents for analysis. If any colon bacillus are found, it is not alarming, for not all bacteria are pathogenic, and if so, they are only present in such small numbers as to be non-virulent.

Every four or five weeks, the pool is emptied completely by way of a gate valve. This process usually takes about five hours, while refilling the pool requires 24 hours.

A constant temperature of 72 degrees is maintained

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## Sports Slants

### Beavers Picked to Replace Fordham As City Champions

By Jerry Luntz

With the lack of an intercollegiate football league in New York City, the determination of the championship of the Metropolitan area at the conclusion of any particular season is usually pretty difficult. We would like to remedy the situation. Since the "profesional" teams—Fordham, Columbia, and Manhattan—have compiled poor records this season and since they don't play one another, why not select one of the amateur teams as the top Met outfit?

And that brings us to the Flatbush Bowl game scheduled for Thanksgiving Day. The participants are to be Brooklyn as the host and the Beavers of St. Nicholas Heights as the guests. Before continuing, we'd like to mention the fact that this contest is the first collegiate game he proceeds of which will be donated to a war charity. The instigator of the affair was Lou Oshins, T-serving mentor of Brooklyn. It seems that Mr. Oshins was dissatisfied with the results of last week's 7-7 tie. He felt that the newspaper prognosticators (with the exception of this reporter) were correct in their selection of the Kingsmen as the probable winners. Now we truly appreciate Oshins' endeavors to vindicate our fellow journalists, but we would like to throw one query in the Flatbush coach's direction. What makes you think Brooklyn will win this time?

In fact, at this point, we take up cudgels with Oshins. Last Saturday, his T-formation could make little headway against a surprisingly strong Beaver line. And when Al "Bertelli" Sherman tried to buck the wind with a long pass, an also surprisingly strong Lavender pass defense in the persons of Ralph Schmones and Moe Assael was on the alert and batted down any pigskin coming its way. To get down (immodestly) to the naked truth, the only confusion caused by the Brooklyn T was the man-in-motion, who induced several Beaver offside penalties. And of course there was the Kingsmen's T D, which came as a result of Schmones' unlucky fumble deep in his own territory.

Now for the case in favor of the Beavers. As mentioned before, Joe Alexander's boys showed strong line play and a good pass defense. The former might be attributed to the fact that Brooklyn's running attack is not what might be called strong. But the pass defense is something new (that has been added). In previous games, the lack of it was what led to many touchdowns by the opposition. But last Saturday, not one of Sherman's long tosses was caught by a Brooklyn man (Stan Brodsky did grab one, but, although he hails from the Borough of Churches, his heart belongs to Alexander). The brunt of the Beavers' attack was carried by Assael's bucking through the line and Brodsky's kicking. We still like that new play of Alexander's where, with the College deep in its own territory, Brodsky kicked, ran and recovered the ball on the line of scrimmage. It's really confusing but works only when there's a stiff wind blowing.

We predict: City—7; Brooklyn—0.  
Now it can be told: There's still some college spirit left these days. We were wondering last week why Brooklyn (Maroon and Gold) had its goal posts painted Lavender and Black for the City game. At first, we thought it was a friendly gesture, but now, via a special communique from Jack Roth, we discover that 12 stalwart sons of City College practiced for their camouflage class

# Alumni Game Season Opener; Holmen Face Former Aces

Tix for Basketball Game  
On Sale Now at AA Office

Tickets for the Alumni Basketball Game in the Exercise Hall on Saturday, Nov. 28 are now on sale at the AA office. Admission is 35c with an AA book, 50c without one, and 65c at the gate.

The Junior Varsity tussle with the Madison Square Boys precedes the main event at 7:15. Dancing will follow the varsity class, proceeds of which will be given to the Stein Memorial Fund.

## City Harriers Place in IC 4A

The Beaversmen polished off their cross country season with a flourish last Monday when they placed 14th in the IC-4A championships, beating out, among others, Columbia, Brooklyn and St. John's. This rounds out a season highlighted by outstanding performances by almost every man on the team.

George Burke and Max Plasner were handicapped at the start of the season, both being laid low by bad ankles. Burke, who has been as consistent a scorer as Plasner and Gabe Palmero, has fulfilled all of the promise he showed last year. Palmero came through consistently when the team needed him.

Cliff Goldstein was troubled by lack of rest and sleep before meets throughout the season, as he has a prison job, the hours of which conflicted with meets.

Morris London, Sol Goodelman's protege, and Jerry Guensberg, the only freshman to win a letter in cross country, were the finds of the year for the Laender. London broke into the first five. Goodelman and Bob Schultz also ran, with occasional flashes of brilliance.

### Holman on War Council

Nat Holman, basketball coach, has been appointed by Governor Lehman to the Physical Fitness Commission of the N. Y. State War Council.

## Veterans Judenfriend and Shinkarik To Form Nucleus of This Year's Squad

By Herb Rosenblum

Mike Shinkarik, Hal Judenfriend, Aaron Miller, Norm Drucker and Joe Lauren will start for the Beaver basketball team in its 1942-'43 debut in the annual encounter with the Alumni on Nov. 28 in the Main Gym.

## Beavers End Grid Season

(Continued from page one)

Schmones, carrying from behind his own goal line, got up to the 14-yard stripe before he was tackled and fumbled.

A win last Saturday would have done much to make up for the College's worst season in its long football history. Shut out in six of their eight contests, the Beavers managed to win only one game—from Hobart, which has lost 16 straight.

After losing a practice game to a powerful Manhattan Beach Coast Guard team, 32-0, the gridsters proceeded to drop three quickies to Lebanon Valley, 36-0, Montclair, 25-0, and Susquehanna, 6-0.

In the Hobart game, Brodsky came to life, completed 11 out of 12 passes, and, together with Schmones, sparked the Beavers to the first victory.

After dropping two more, to Fort Totten, 51-0, and to Moravian, 32-0, the Lavender gridsters traveled across the bridge for the Brooklyn affair.

### Soccer Club Scheduled for Replay with Royal Navy

The soccer club will have a chance tomorrow to avenge the 3-1 beating handed it by the British Royal Navy team last week. The return game is scheduled for McCarron Field in Brooklyn.

man is whipping his 16-man squad into shape as he prepares to open his twenty-fourth season as Lavender court mentor.

Invitations to participate in the Alumni encounter have already been accepted by such former College hoop aces as Bernie Fliegel, Dave Paris, Babe Adler and Al Goldstein. Proceeds go to the Stein Memorial

According to Holman the boys are in tip-top condition and have been functioning well as a unit in recent practice sessions. Judenfriend, newly-elected team captain, Miller and Shinkarik will form the nucleus of this year's squad. Hal, it will be remembered, was the hero in the St. John's win last season when he poured through two set shots in the last minute of the contest.

For the Alumni tilt, Holman will have Bill Levine, Bob Scheer, Lennie Lesser, Milt Dobrer, Everett Finestone, Danny Johnson and Irv Milenko in reserve.

The only first stringer returning is Shinkarik. There are three seniors on the squad—Miller, Judenfriend and Dobrer. Dobrer is a newcomer who has progressed very nicely and will see plenty of action although he is not on the starting five. Drucker, Lauren and Shinkarik are juniors, while Finestone, Scheer, Lesser, Johnson and Milenko are former jayvee men. Finestone was high scorer for the Baby Beavers last season.

"My boys are hard working and have really developed into a rugged squad," said Holman.

FOOTBALL  
CITY vs. BROOKLYN  
at Brooklyn Field  
for the Red Cross  
Thanksgiving Day, Nov. 28  
All students .50 Gen. Adm. \$1

Basketball Game & Dance  
For Stein Memorial Fund  
SATURDAY, NOV. 28  
in the Main Gym  
AA members .35  
Gen. Admission in Adv'ce .50  
Gen. Admission at Gate .65

## LAST DAY!

FOR  
TIX TO

# COLLEG-I-ANTICS of 1942

FALL MUSICALE REVUE

FRIDAY, SATURDAY, SUNDAY

NOVEMBER 20, 21, 22, 1942

Pauline Edwards Theatre  
23rd Street and Lexington Avenue

Tix at Lunchroom and at Box Office

FRI.—8:30  
.40 .55 .65

SAT.—8:30  
.55 .65 .85

SUN.—7:30  
.40 .55 .65





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The news of the College's post-war building and expansion program will certainly be a source of comfort to the students and faculty members now at the College. But it is for the future classes, the classes of '46, '47, and so on, that the news has the most significance. As it stands, the students here now should put in their voices for the students' desires as to the uses of the new buildings.

It seems to *The Campus* that the students should be the particular beneficiaries of the new expansion program, especially so in view of the poor facilities available to them now and in the past. Crowded, airless quarters for clubs, publications, and other societies, absolutely no lounges or smoking and recreation rooms for the general student body are conditions peculiar to this institution.

It only seems just, therefore, that these are the people who should benefit from the new program. That is why we feel that students should be represented on one or more of the committees planning the expansion program. Other committees, such as the lunchroom, store, and discipline, have student representation, and it is probably correct to say that the expansion program is more important than any of the others. It will be the students' job to see to it that future classes are not shoved out of the picture when it comes to location of offices and other facilities in the new buildings.

Care must be taken that "promises" made now are not forgotten later. Let us remember that a college is primarily for students.

## A Busy Week-End

That the Beaver eleven after weeks of gruelling practice has gone back to the old grind in preparation for the replaying on Thanksgiving Day of the 7-7 tie game with Brooklyn, and that the College and Kingsmen AA's, who could use the money, are content with donating the proceeds to the Red Cross, certainly speaks well for the forthcoming contest. We think it is not too much to ask that the students do their part by merely attending the game. For every person at the first battle there must have been many more who wished they could have gone. Well, here's their chance.

When one thinks about it, there's nothing like going to a football contest on Thanksgiving Day. The crisp, keen autumn air gives one an appetite, and the turkey and other appurtenances of the Thanksgiving dinner usually satisfy it, topping off a memorable day.

Two other College events also deserve support, namely Dramsoc's latest presentation, *Colleg-i-antics*, and the Alumni basketball game and dance. The latter opens the Beaver hoop schedule for 1942-43, all receipts going to the Stein Memorial Fund. In these times when the war tends to overshadow everything, we are prone to overlook these happenings. Call it morale or recreation or what you will, we cannot emphasize too often the part that sports and other extra-curricular activities play in a student's life.

their return to normalcy

## Beauty, Song To Highlight Stamp Dance

A faculty-beauty contest will feature the Tech Stamp Dance to be held in the Main Gym tomorrow evening. From among the Tech professors who will be at the dance the ladies will choose the one with the most kissable lips, and the one with the smoothest French curves. This promises to be "some fun". In addition, Herb Forman of the chemmies, is scheduled to do impersonations of the Tech faculty. Although the Tech War Committee has been unsuccessful in contacting Bing Crosby for the evening, it has secured a substitute crooner.

According to Dan Naidermast, EE '43, who is in charge of the Dance, at least two hundred couples will swing and sway to the jive of the ten-piece band, which the Committee has hired. Tickets are still on sale at the war stamp desk in the Tech Building. They are \$.75. A \$.50 war stamp will be given in return for a stub and \$.25.

The TWC is arranging to correspond with former members of the Tech faculty, who are now serving in the armed forces. The committee also plans to set up a Bulletin Board in the Tech Building, furnishing complete information on commissions for engineers in the Army, Navy and Marine Corps. It is sending an application down to Washington for Walt Disney shorts on engineering in the war, which, if they can be secured, will be shown at the College.

## Tech Notes

The College chapter of the American Society of Civil Engineers has been cited by the national organization for "their record of outstanding activities and accomplishments" for the second time since 1923. Only 12 student chapters have ever received this honor.

Today, Dr. Kenneth H. Johnson of the Chemical Solvent Corporation will address the student chapter of the American Institute of Chemical Engineers on "Chemical Engineering Problems in the Manufacture of Nitroparaffins."

Sigma Kappa Tau, the Tech school's social fraternity, has started a dancing class for Tech men. Those interested should leave their names in the SKT mailbox. Girls will act as teachers.

## Technically Speaking

By Bernard Hochman

A group of Techmen were up in the drafting rooms one afternoon working on an assortment of problems. Things were progressing peaceably, when one of the fellows, who was drawing up a connecting rod for Drafting 201, asked for a little help. So three other students and he went into a huddle over his drafting board.

The design called for a toroidal intersection of a right prism and the frustum of a cone. You wound up with something that looked like the inside surface of a doughnut. In other words, he had a surface of revolution which, on paper, looked like a circle with one line tangent to it, and another line intersecting it. This circle was the generating circle; the problem was to locate it with respect to the rest of the piece.

"Why don't you dimension the center from two planes?" asked one fellow.

"Which two? Besides, can I put the dimension lines inside an object?" asked the fellow whose plate it was.

"What's the difference, as long as it can be read," said Techman number one.

"Wait a minute," added a third Techman. "Why don't you imagine you're a machinist. Put yourself in his position and figure out what dimensions you'd want."

"You know, he's got an idea there," commented the fourth. "After all, what's a drawing for? It's for a man who is going to machine the part. If it can be understood so that the piece can be properly machined, then the drawing's okay, rules or no rules."

Following this line of reasoning, it was amazing to see how quickly the problem cleared. These four engineering students suddenly injected another dimension into their reasoning and talked objectively of an absent party—a machinist.

"Let's see now. He's going to turn it in a lathe. He's got to swing an arc of a certain radius and he needs a starting point. So give him a radius and a distance from a previously established plane. And a distance from a centerline so he will know where to set his tool."

The outcome was that they gave him a radius, a distance from a center line, and a distance from a face of the block which was to have been previously milled.

Whether they were right or wrong doesn't matter. In their limited knowledge of machine tools, they may have made mistakes. But we presume that when they become fully trained engineers, they will have an increased knowledge of industrial operations. And having learned to think in terms of the end product, not as the direct result of engineering design, but as the result of successive applications of skilled labor, they will be a helluva lot better engineers.

## Pi Tau Sigma Reps Hold Convention

Bernard Pearlman, president of the College chapter of Pi Tau Sigma, and Howard Judson returned this week from the Pi Tau Sigma national convention, held last week at the University of Minnesota. They brought news that future conventions have been suspended for the duration and the money put into war bonds. Besides the business end of the convention there were many social affairs.

The College chapter of Pi Tau Sigma is relatively new, having been inducted into the national fraternity only last semester. The purpose of Pi Tau Sigma is to confer honor upon mechanical engineering students who have excelled in scholarship, character, and personality. Students are elected into the organization by popular vote of its members. The elections were held yesterday, and their results will be released soon.

## Library

Colvin, F. H. **Gages and Their Use in Inspection.**

Thoroughly practical treatment of modern gages, which are vital to interchangeable manufacture.

Wittmann, K. F. **Industrial Camouflage Manual.**

A timely book, replete with pictorial illustrations of camouflage principles, sponsored by Pratt Institute Camouflage Laboratory.

Slater, J. C. **Microwave Transmission.**

Ultra-high frequency theory in radio, telephone, and electric power transmission.

Hoag, J. B. **Basic Radio.** 1942

Essentials of electron tubes and radio circuits.

Blair, T. A. **Weather Elements.** Revised edition.

Fundamentals of meteorology, with new material on air mass analysis and traveling wave depressions.

## Water Engineering, Chemistry Keep Pool Water Supply Pure

Add to odd branches of the engineering profession: The College maintains two men who act in the capacity of water engineers to maintain a constant, purified flow of water to the swimming pool. One is Edward Bell, who sees that the 18,000 odd cubic feet of water reach the pool through the special filtering system. The other is Radford J. McCormick, coach of the swimming team, whose duties include keeping the water chemically pure and periodically tested.

The water supply is tapped directly from the Croton Reservoir. Before treatment, the water is very dark in color. It is first passed into two tank-like structures at the outside end of the pool, which filter it. The inlet for the water is at the shallow end of the pool, and valves reverse its flow so that

water runs constantly between pool and filters. On one of these filters is an inconspicuous, pineapple-shaped watch glass, which indicates the clarity of the water. A chlorinating apparatus is set in the middle of the filtering tanks, and the chlorine, which is injected as a mixture of three parts ammonium chloride to one part of ammonia, is added just as the water enters the pool. This supply is maintained constant, and is carefully checked by McCormick.

The chlorine content is maintained at .03 parts per million of water. The pH of the swimming pool water is kept at 7.3, or slightly alkaline, by the addition of soda ash cones.

The Bacteriology Department takes frequent samples of the pool contents for analysis. If any colon bacillus are found, it is not alarming, for not all bacteria are pathogenic, and if so, they are only present in such small numbers as to be non-virulent.

Every four or five weeks, the pool is emptied completely by way of a gate valve. This process usually takes about five hours, while refilling the pool requires 24 hours.

A constant temperature of 72 degrees is maintained



# Sports Slants

## Beavers Picked to Replace Fordham As City Champions

By Jerry Luntz

With the lack of an intercollegiate football league in New York City, the determination of the championship of the Metropolitan area at the conclusion of any particular season is usually pretty difficult. We would like to remedy the situation. Since the "profesional" teams—Fordham, Columbia, and Manhattan—have compiled poor records this season and since they don't play one another, why not select one of the amateur teams as the top Met outfit?

And that brings us to the Flatbush Bowi game scheduled for Thanksgiving Day. The participants are to be Brooklyn as the host and the Beavers of St. Nicholas Heights as the guests. Before continuing, we'd like to mention the fact that this contest is the first collegiate game the proceeds of which will be donated to a war charity. The instigator of the affair was Lou Oshins, T-serving mentor of Brooklyn. It seems that Mr. Oshins was dissatisfied with the results of last week's 7-7 tie. He felt that the newspaper prognosticators (with the exception of this reporter) were correct in their selection of the Kingsmen as the probable winners. Now we truly appreciate Oshins' endeavors to vindicate our fellow journalists, but we would like to throw one query in the Flatbush coach's direction. What makes you think Brooklyn will win this time?

In fact, at this point, we take up cudgels with Oshins. Last Saturday, his T-formation could make little headway against a surprisingly strong Beaver line. And when Al "Bertelli" Sherman tried to buck the wind with a long pass, an also surprisingly strong Lavender pass defense in the persons of Ralph Schmones and Moe Assael was on the alert and batted down any pigskin coming its way. To get down (immodestly) to the naked truth, the only confusion caused by the Brooklyn T was the man-in-motion, who induced several Beaver offside penalties. And of course there was the Kingsmen's T D, which came as a result of Schmones' unlucky fumble deep in his own territory.

Now for the case in favor of the Beavers. As mentioned before, Joe Alexander's boys showed strong line play and a good pass defense. The former might be attributed to the fact that Brooklyn's running attack is not what might be called strong. But the pass defense is something new (that has been added). In previous games, the lack of it was what led to many touchdowns by the opposition. But last Saturday, not one of Sherman's long tosses was caught by a Brooklyn man (Stan Brodsky did grab one, but, although he hails from the Borough of Churches, his heart belongs to Alexander). The brunt of the Beavers' attack was carried by Assael's bucking through the line and Brodsky's kicking. We still like that new play of Alexander's where, with the College deep in its own territory, Brodsky kicked, ran and recovered the ball on the line of scrimmage. It's really confusing but works only when there's a stiff wind blowing.

We predict: City—7; Brooklyn—0. Now it can be told: There's still some college spirit left these days. We were wondering last week why Brooklyn (Maroon and Gold) had its goal posts painted Lavender and Black for the City game. At first, we thought it was a friendly gesture, but now, via a special communique from Jack Roth, we discover that 12 stalwart sons of City College practiced for their camouflage class

# Alumni Game Season Opener; Holmen Face Former Aces

Tix for Basketball Game On Sale Now at AA Office

Tickets for the Alumni Basketball Game in the Exercise Hall on Saturday, Nov. 28 are now on sale at the AA office. Admission is 35c with an AA book, 50c without one, and 65c at the gate.

The Junior Varsity tussle with the Madison Square Boys precedes the main event at 7:15. Dancing will follow the varsity class, proceeds of which will be given to the Stein Memorial Fund.

## City Harriers Place in IC 4A

The Beaversmen polished off their cross country season with a flourish last Monday when they placed 14th in the IC-4A championships, beating out, among others, Columbia, Brooklyn and St. John's. This rounds out a season highlighted by outstanding performances by almost every man on the team.

George Burke and Max Plasner were handicapped at the start of the season, both being laid low by bad ankles. Burke, who has been as consistent a scorer as Plasner and Gabe Palmero, has fulfilled all of the promise he showed last year. Palmero came through consistently when the team needed him.

Cliff Goldstein was troubled by lack of rest and sleep before meets throughout the season, as he has a prison job, the hours of which conflicted with meets. Morris London, Sol Goodelman's protege, and Jerry Guensberg, the only freshman to win a letter in cross country, were the finds of the year for the Laender. London broke into the first five. Goodelman and Bob Schultz also ran, with occasional flashes of brilliance.

### Holman on War Council

Nat Holman, basketball coach, has been appointed by Governor Lehman to the Physical Fitness Commission of the N. Y. State War Council.

## Veterans Judenfriend and Shinkarik To Form Nucleus of This Year's Squad

By Herb Rosenblum

Mike Shinkarik, Hal Judenfriend, Aaron Miller, Norm Drucker and Joe Lauren will start for the Beaver basketball team in its 1942-'43 debut in the annual encounter with the Alumni on Nov. 28 in the Main Gym.

With the game only nine days away, Coach Nat Holman is whipping his 16-man squad into shape as he prepares to open his twenty-fourth season as Lavender court mentor.

## Beavers End Grid Season

(Continued from page one)

Schmones, carrying from behind his own goal line, got up to the 14-yard stripe before he was tackled and fumbled.

A win last Saturday would have done much to make up for the College's worst season in its long football history. Shut out in six of their eight contests, the Beavers managed to win only one game—from Hobart, which has lost 16 straight.

After losing a practice game to a powerful Manhattan Beach Coast Guard team, 32-0, the gridsters proceeded to drop three quickies to Lebanon Valley, 36-0, Montclair, 25-0, and Susquehanna, 6-0.

In the Hobart game, Brodsky came to life, completed 11 out of 12 passes, and, together with Schmones, sparked the Beavers to the first victory.

After dropping two more, to Fort Totten, 51-0, and to Moravian, 32-0, the Lavender gridsters traveled across the bridge for the Brooklyn affair.

### Soccer Club Scheduled for Replay with Royal Navy

The soccer club will have a chance tomorrow to avenge the 3-1 beating handed it by the British Royal Navy team last week. The return game is scheduled for McCarron Field in Brooklyn.

Invitations to participate in the Alumni encounter have already been accepted by such former College hoop aces as Bernie Fliegel, Dave Paris, Babe Adler and Al Goldstein. Proceeds go to the Stein Memorial

According to Holman the boys are in tip-top condition and have been functioning well as a unit in recent practice sessions. Judenfriend, newly-elected team captain, Miller and Shinkarik will form the nucleus of this year's squad. Hal, it will be remembered, was the hero in the St. John's win last season when he poured through two set shots in the last minute of the contest.

For the Alumni tilt, Holman will have Bill Levine, Bob Scheer, Lennie Lesser, Milt Dobrer, Everett Finestone, Danny Johnson and Irv Milenko in reserve.

The only first stringer returning is Shinkarik. There are three seniors on the squad—Miller, Judenfriend and Dobrer. Dobrer is a newcomer who has progressed very nicely and will see plenty of action although he is not on the starting five. Drucker, Lauren and Shinkarik are juniors, while Finestone, Scheer, Lesser, Johnson and Milenko are former jayvee men. Finestone was high scorer for the Baby Beavers last season.

"My boys are hard working and have really developed into a rugged squad," said Holman.

FOOTBALL CITY vs. BROOKLYN at Brooklyn Field for the Red Cross Thanksgiving Day, Nov. 28 All students .50 Gen. Adm. \$1

Basketball Game & Dance For Stein Memorial Fund SATURDAY, NOV. 28 in the Main Gym AA members .35 Gen. Admission in Adv'ce .50 Gen. Admission at Gate .65

## LAST DAY!

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# Engineers, Pre-Meds Given New Classifications in ERC

Passage of the 'teen age draft bill has caused a sudden spurt in the number of students applying for the enlisted reserves, Professor William G. Crane (English), armed forces representative, revealed yesterday. Last Thursday and Friday witnessed the application of 100 students, exclusive of aviation reserve enlistments, he declared.

Pre-medical students may now enlist in the reserves, Prof. Crane announced. Junior and senior engineers may join a new Electronics Training Group. Pre-med students are to continue in the corps till graduation. If accepted by a grade-A medical college, they will be discharged from the ERC to enlist in the Medical Administrative Corps. If not, they will be ordered to active duty on the same basis as other ERC students.

The Electronics Training Group is open to junior and senior electrical engineers and majors in electron physics. Others may participate if they are scheduled to take a concentration of courses in electronics. If found qualified upon graduation, they will be commissioned as second lieutenants in the Army. Further details may be obtained in Prof. Crane's office.

Prof. Crane pointed out, however, that continuance in the reserve program at the school is contingent upon good grades. "Existing college standards must be met for a student to remain in school," he emphasized.

The total number of students enlisted in the various college service training programs can be broken down as follows: 97 enlistments in the Army Air Force Reserve, 692 in the Army Enlisted Reserve Corps, and 20 pledges for the ERC of students under 18. Five students have begun training as Marine officers, eight have joined the Navy's V-1 program, and 23 its V-7 program.

### War Courses Offered

Under the heading "Courses Relating to War Emergency," the elective schedule issued last week listed a group of subjects which were directed to the students in any of the reserves. A more appropriate title would have been "If You Want To Try For A Commission, Get A Load of These", for not only those in the reserves, but draft eligible or under-age College men are urged to pay heed.

Professor William G. Crane (English), armed forces representative, recommends certain courses for students already enlisted in the various reserves. Navy V-1 and V-7 insist on spherical or plane trigonometry, preferably both, and a year of physics. The Army Air Force also prefers physics, although only a high-school diploma is needed for application.

Those interested in being meteorologists must have had two years of college, mathematics through integral and differential calculus and a year of physics. Some thermodynamics will help.

The Army insists (strange to say) on a course in English composition (Eng. 1), besides some math, a physical science (chemistry, physics or biology) and plenty of physical training. The last named, by the way, is specified by all reserves. The Marine Reserve will accept anyone who is a candidate for any degree granted at the College and requests that applicants know how to express themselves

### This Week Last Chance For Microcosm Photos

Appointments for Microcosm pictures must be made this week by students who have not yet had their pictures taken, Stan Baruch, editor, announced yesterday.

All seniors who have signed up for Mike are requested to start making payments now. Clubs and students who plan to be included in the publication should apply at the Microcosm office in the Harris locker room any day from 10 to 3.

### Honor Free French At Alumni Dinner

Sixty College graduates now serving in the armed forces were guests at the 62nd annual dinner of the Associate Alumni at the Hotel Roosevelt last Saturday night. Over 500 alumni, resplendent in shining tuxedos, heard addresses by Dr. Robert Valeur, director of information for the Fighting French Delegation, S. J. Woolf '99, of the New York Times, and President Harry N. Wright. Elias Lieberman '03, associate superintendent of schools, was toastmaster.

Townsend Harris medals were awarded to five alumni for "distinguished achievement." Citations to the alumni prize winners were written by Professor Donald A. Roberts (English), secretary of the association. The dinner consisted of crabmeat cocktail, vegetable soup, flet mignon with asparagus, hollandaise sauce, potatoes, ice cream, demi-tasse and nuts.

### Tech Alumni Provide Jobs

In an effort to aid Tech seniors in obtaining positions after graduation, Vector recently mailed questionnaires to 450 recent Tech school graduates. These men were asked if there were any vacancies in the companies in which they were employed. Of 60 answers received thus far, 30 replied that openings are available.

No one field of engineering is particularly favored but all four branches taught at the College are urgently needed. The positions available offer diversified work, ranging from designing to personnel management.

A list of the firms, the degree required, and the duties are on the Vector bulletin board.

### CDC Radio Series Begins Sunday

A series of six radio programs, all in Italian, will be inaugurated by the Civilian Defense Council over WHOM this Sunday, Nov. 22, at 8:15 p.m. The programs, prepared by Professor Louis Snyder (History), and arranged for broadcast in collaboration with Professor Rene Vallant (Romance Languages), bear the general title of "The American Way of Life."

Professor Emeritus Arbib-Costa (Rom. Lang.) will deliver the first three lectures. The final three addresses will be given by Dr. Vincent Luciani of the same department.

### NIBS

#### Today

Student Council dance at 4 in the Harris Auditorium. Admission 5c.

The Psychology Society will hold a social at 8:30 in the Webster Room.

#### Saturday

There will be a field trip to the Psychiatric Institute sponsored by the Psychology Society. Interested students are instructed to meet in front of the Institute, 168 Street and Ft. Washington Ave. Saturday morning at 9:45.

Professor Gustave F. Schulz (Chairman, Public Speaking) will discuss Strong Man Rule by George N. Shuster over WNYC at 10:45 in a Civilian Defense Council broadcast.

### City Man Finishes Aviation Training with 99% Score

Jerome Entis '42, a former member of the ROTC Advanced Corps, was graduated this month from an Air Corps Ground School with an average of 99%, it was learned yesterday.

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