# THE GCHOOL OF TECHNOLOGY 

## January Graduation "Extremely Unlikely"

## By LOUIS LOTH

What is the possibility of the Office, the number of graduate mid-year graduates having commencement exercises at the time they receive their degree? This was the question asked of President Gallagher at an interview for TECH NEWS on April 12, 1962. The answer - "extremely unlikely."
At present, the college holds a single graduation exercise, in the Spring semester, and asks all of the graduates for that year all of the graduates for that year
to attend. The ceremony often to attend. The ceremony often
involves the graduates from the preceding Fall and Summer, in addition to the current Spring. The graduation exercises take place in Lewisohn Stadium, and in the past the stadium has been filled to capacity with 17,000 people. All participating graduates are given 4 tickets, "two uates are given 4 tickets, "two
for the parents, one for the girl for the parents, one for the girl
friend, and one more to use as friend, and one more to use as
the graduate sees fit," according the graduate sees fit," ac
to President Gallagher.


PRESIDENT GALLAGHER
When President Gallagher
joined the college in 1952, a joined the college in 1952, a
study was made in order to determine whether City College should continue to hold midyear commencement exercises. It was found from this study that relatively few students were eligible for graduation after the fall term, and that this number was continuously decreasing. When asked if this trend has actually been followed, President Gallagher said that "new studies would have to be made, but the many factors against two ceremonies would make it difficult to go back to that procedure.
The college has no facilities for holding the large audience thatattends a graduation, other than -Lewisohn Stadium. This can't be used for a mid-winter ceremony. When asked about Great Hall, President Gallagher said that it would be restored to its original decor once the new Tech Building is opened, and the Library is moved, but the Hall still could not hold the large crowd.
According to the Registrar's
last January was 553, including last January was 553, including
Engincering, Liberal Arts and Engincering, Liberal Arts and
Science graduates. In contrast to Science graduates. In contrast to
this, the graduates last June numbered about 1100 , including 235 engineering students. Many BBA degrees were awarded at this time, but are not included in the above count. Even though the total Spring class more than doubles the mid-Winter class, in the past four years only 30 more engineers have been graduated in June than in January.
(Continucd on Page 3)

## ME's Hear Lecture On Shock Packaging

On May 1 at 7:30 P.M. in room S126 on the City College campus, Mr. David Ehrenpreis, a nationally known consultant in packaging techniques and a graduate of City College delivered a talk on Shock Packaging.
The talk was sponsored and arranged by the Machine Design Division of the Metropoli$\tan$ Section of the American Society of Mechanical Engineers. There were two faculty members present at the lecture, Prof. A. Baldo of the Mechanical Engineering Dept. at City College, who is present chairman of the Machine Design Division, and Prof. H. Burns also of the M.E. Dept. at City College, who is the vice chairman.
The May 1 meeting represented a first trial at holding a lecture for a student audience. It is hoped that at future meeting there will be a mixed audience; part student, part practicing engineers. Four practicing engineers were in the audience on Maỳ 1.
Ordinarily in the past the Machine Design Division has arranged for speakers or plant trips with regular, practicing engineers in mind and the audiences were composed of these industrial people.
There are general purpose affairs sponsored by A.S.M.E. aimed specifically for combined audiences of student and practicing engineers. The May 1 type of affair sponsored for a specific division, would differ from the general purpose affair in that talks given by the speakers would deal with specific areas of Mechanical Engineering; in the present case Machine Design In one sense, the concept shock packaging is an old one. When early man folded his robe and sat on it in his parring vehicle, he was attempting a crude form of shock packaging. Nu(Continued on Page 3)

## SG Elections Begin

 No "In-Class" Balloting
## Small Vote Expected

 SG history. In sharp contrast to recent elections, this year's election is characterized by strong disagreements amongst the candidates regarding major issues. Approximately .1000 votes fewer than those cast in last term's election are anticipated because of the

## Vector on Sale Tues. Final Issue of Term

## By TED SEMEGRAN

The fourth issue of Vector for this school year will be sold starting on Tuesday May 8. It features three technical articles, by three Vector staff members, which should be acceptable to all engineers regardless of major.
"High Energy Metal Forming Processes" written by Lawrence Presser presents a discussion of the new metal forming processes which are now industrially utilized. The three forming processes descriptively presented are high explosive forming, high energy impact forming, and high energy elective forming. The second featured article entitled Engineering Reliability is a mathematical adventure into the area of probability and reliabilties of engineering function and design. Written by David Van Bleckum, it is a very profitable piece to add to your mathematical background.
"Lasers and Masers," co-authored by Dan Davis and Anthony Genna reveals the history and significance of "stimulated emission," the concept upon which he maser and laser are based. With a detailed description of aser and maser applications, the

## TC Positions To Be Included on SG Ballot

## By SAMUEL S. EIFERMAN

This week, as you vote for
your choice in the Student Government General Election, you may notice that something new has been added. That "some hing new" is the Technology Council ballot which will be distributed only to Technology students.
The ballot resembles the Student Government ballot and the same rules that apply to the Student Government ballot will apply to the Technology Council ballot.
The rules governing the voting are: A person can only vote for candidates running in his own class and a person can not own class and a person can no ote for more than the amount of candidates stated on the balot for his class.
There are two seats open in


ED ROSENTHAL
article summarizes the latest information of , its uses in interplanetary communication, tele ision broadcasting and medical terilization as well as the cor ection of retinal defects.
Also accompanying these features is the "Engineering Highlights" section which include such topics as an "Ultrasonic Corona Hunter," and ceramic batteries that operate mainly at emperatures in excess of 650 degrees $C$. for maximum effect veness.
the class of '66 and two seats open in the class of ' 65 while only one seat on Technology Council is open in the class of ' 64 and the class of ' 63.
Running uncontested for the one seat in the class of ' 63 is Ted Berg. Since Ted is running uncontested for this position Technology students in the class of ' 63 will have to vote either yes or no on the ballot for Ted. If Ted gets more no votes than yes votes he will not be elected and the Technology Council seat in the class of ' 63 will be without someone to serve in it.

In the class of ' 64 , where there is only one seat open, there are two people running for the position. This seat is the only
(Continued on Page 3)
lack of "in-class" voting.
All three candidates for the presidency have sufficient experience in SG and knowledge of Student Council to insure a successful fulfilling of the office. However, the Independent Reform Ticket (IRT), headed by Al Blume has by far the most developed and well thought out platform. In close agreement with his opponents, Mr. Blume strongly stands against tuition and proposes to instigate pres. sure on local representatives to restore the mandate forbidding tuition at any of the City University's member colleges. He feels that as a University we are entitled to monies for gradluate studies and he intends, through parents, relatives, and friends of students to seek city, state and private funds.

## Blume for

 President

ALAN S. BLUME
Perhaps the most controversal issue in this election is the right of SG to participate in off campus activities. Should SG endo'se fredom rides or support "Woolworth sitins"? Mr. Blume states that the I.R.T. is against SG participation in any activity off campus that would be detrimental to any CCNY student When questioned regarding the interpretation of the word "detrimental" he stated that this interpretation would have to be done by Student Council, but that he personally had in mind the specific example of the jeopardization of employment opportunities due to certain
(Continued on Page 2)

## Tech News Endorsements...

(Continued from Pase 1) "rumors and feelings" regarding the C.C.N.Y. political attitude.

Mr. Blume feels that for now we should continue participating in the National Students Association but that SG should firstly, investigate the values of NSA to CCNY and secondly, inform the student through the press about its activities.

## Discount Service

The most beneficial and easily obtained plan in the I.R.T. platform is a "discount service." Mr. Blume reasons that many larger retail stores, theatres, sports arenas, etc., would, if contacted by SG, give discounts to college students. This would be in return for the free advertisements the establishment would receive at the college. He wonders why this system has neve been tried.

Tech School Matters
The I.R.T. advocates the reestablishment of the StudentFacully Committee on the School of Technology. This committee has in the past proven of immense value in planning and coordination of events in the 'Tech School

## Mr. Blume feels that Tech

 Council should have original jurisdiction on Tech organizations' constitutions. This power, if given to 'TC, would strengthen the meaning of this council to the tech student. This power now belongs to SG, but he feels that just as IFC hats demonstrated its ability to maintain this power concerning fraternities and sororities, TC should be given its due powers and responsibilities.Student Press
While Mr. Blume feels that the sludent press should have a sense of responsibility, he cannot see how withdrawing stucould help accomplish this goal. If anything it would encourage sensationalism to help sell the sennar. Because of the sell the paper. Because of in mport ing a "collegiate life" and in keeping the student informed of events at the college he feels that the subsidy will have to be continued.
The Responsible Stuclent Gov ernment Party, heacied by Ted Brown, candidate for the presi dency, also suggests that the newspapers should be subsidized. The party favors of campus activities, a personal opinion not mentioned in their platform, but dug out in inter views. They favor increasing the library hours and hope to pressure for the immediate construction of the science building Mr. Brown is against tuition and intends to fight the problem through the Alumni Association. The party feels that the Student Activities Board should have proportional representation.

## Bloom

## For Veep

Of all the candidates for the vice-presiclent's position Mr .

Bloom is the most qualified. The xperience in SG and on the executive council that he has will be of extreme value in helping fulfill the plans of SG. It is felt that the V.P.'s duty is not to set policy but to coordinate activities, and therefore our endorsement has crossed party lines.


IRA BLOOM
 MELL PELL
Pell For Treasurer

Mell Pell, running unopposed has vast experience in matters of interest to the Tech School. He has been on TIIC, served as editor-in-chief of TECH NEWS; and has experience in Student Council. He has continually exhibited those qualities we believe of utmost importance to SG officer; namely, reliability, a willingness to work and sound reasoning in his judgments. He is a senior ChE stu-

Career Cues:

## "Whatever your major, make sure to include a course in 'people'?"

W. Em/en Roosevelt, President National State Bank, Elizabeth, N.J.

"If my college adviser had prophesied that studying psychology would some day help promote my career in banking, I'd have scoffed. Yet that is exactly what has happened. And when I think about it now the reason seems obvious. The facts and figures of banking, or of any other field, are mechanical devices. They take on real meaning

only when related to people
Good psychology is also the basis of all teamwork And, since most of today's business and scientific problems are too complicated for 'one man' solutions, team work is essential. If you want to be a valuable team player; and a likely candidate for captain, be the person who understands people. Learn what it takes for people to work together in harmony. Learn how to win trust and confidence. Learn basic human psychology
"Bear this in mind, too. World tension, community ension business tension, even family tension are the facts of everyday life. The more you know of human behavior, the better prepared you will be to deal with these problems.
"So, if you have the chance, take a course devoted to 'people.' Your class adviser can probably help you fit a psychology elective into your schedule. I don't think you'll regret it... I know I didn't.'



## Recent Additions To The E.E. Faculty



MR. ROSENSTARK
An alumnus of City College, Mr. Rosenstark came here after obtaining a masters at New York University and then working for three years at Norden Laboratories, where he was involved in theoretical investigations relating to inertial navigation systems. Although he finds that electrical engineering students are very good in their field, he regrets that the civil and chemical engineers are not too interested in their EE survey course.
A strong believer in the necessity of outside cultural interests and diversified activities for engineers, Mr. Rosenstark finds that many students lack these virtucs. "Hopefully, the increased liberal arts in the curriculum will help make them better rounded individuals. The students themselves, however, not the college, have to make the effort." Needless to say, Mr. Rosenstark has many and varied interests; classical and jazz music, skiing, handball, fixing cars, and traveling being among them.
His wife is now completing her work for a Ph.D. at the Institute of Mathematical Sciences at NYU, and the couple have their home in the Brons.


MR. LAWRENCE
Mr. Lawrence, like Mr. Rosenstark, started teaching here last fall. He has an A.B. from Columbia College and a B.S. in electrical engineering from Columbia. He got his masters from the Polytechnic Institute of Brooklyn, where he is now working for a Ph.D., specializing in electrical machinery. Mi. Zawrence was a member of the faculty of the Polytechnic In-

## ASME Talk <br> (Continued from Page 1)

merous examples of this sort can be cited. In the modern space age, the problem has become of great importance.
Modern Engineering methods are being brought to bear on the complex problems, and ingenious solutions are being devised. One can appreciate the complexity of some modern problems if one recalls the re cent landing of an instrument package on the back-side of the moon.
Mr. Ehrenpreis, in his talk on Shock Packaging, led the audience from the concept and its importance, through the technology and definitions used by engineers. He went through

## TC Elections

(Continued from Page 1) contested seat in the election Vying for the position are Ira Auerbach and John Dillon.
The class of ' 65 has two people running for the two seats. Valerie Declemente, chosen Honorary Cadet Lt. Colonel in the recent R.O.T.C. sponsor contest, and Joel Falk, of Hunt '65. The two seats in the class of ' 66 are being contested by Robert Held and Jerrold Mitzner.
simple analytical techniques and concluded with describing testing and methods.
Following his talk, Mr. Ehren preis answered numerous questions, and exhibited various samples of commonly used absorbing materials.

## Jan. Grads

(Continued from Page 1)
President Gallagher described the enormous work that is involved in planning and executing a graduation ceremony. He felt that while the people involved are happy to undertake this formidable task for a Spring graduation, in order to make the occasion a memorable one, it would be an imposition to have them go through the work for two separate ceremonies.
President Gallagher concluded "I strongly urge all eligible graduates to be present at the Spring ceremony, and join in the cap and gown march, and all the pageantry and ceremony that is part of a formal college graduation exercise."
lively Jessica Darling, ©.of Texas © 64


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 Ford 62: the new fatcon Sports futura!Our Longhorn Lively One plays piano, is one of Texas' "10 Most Beautiful" girls, and an avid Falcon Sports Futura fan. This spirited compact handles so well you'll figure the controls should be indicated in Italian. New bucket seats are separated by a.personal console, and
the rakish "Son of Thunderbird' roof can be covered in vinyl. No wonder all the liveliest student bodies are cruising the campus in the new Falcon Sports aproover of Futura. See it, and all the Lively Ones at your (Jurd Ford Dealer's... the liveliest place in town! morop compan


# (4)CH NEWS <br> MANAGING BOARD <br> JOE NADAN <br> Editor-in-Chief <br> CARYL SINGER Managing Editor SAMUEL S. EIFERMAN News Editor ED SEMEGRAN Tech Life Editor <br> MARC Business Manager C TRIEBWASSER Copy Editor <br> <br> associate board <br> <br> associate board <br> MARTY MILLMAN Assistant News Editor MARVIN CHASEN Sports Editor <br> MEL PELL Associate Editor MIKE BUCZACZER Features Editor Features Editor LINDA GRABER <br> FRANK SCHUTZ FRANK SCHUTZ Assistant Features Editor <br> CHARLES RODMAN Circulation Manager <br> BARRY PRESSMAN <br> Photo Editor <br> STAFF <br> ANTHONY GENNA STAFF OLIVER ROSENGART MARILYN GOLDBERG LUCI SCHAEFFER ronald antonino martin kaufrman LOUIS LOTH MARIE VITACCA STAN ALTMAN <br> Prof. Harvey List FACULTY ADVISORS <br> $\begin{array}{lrlr}\text { Prof. Harvey List } & \text { ChE } & \text { Prof. H. Wasser } & \text { English } \\ \text { Prof. E. Brenner } & \text { EE } & \text { Prof. S. W. Burgess } & \end{array}$ hone: AU 3.0054 <br> Editorial Tolicy of TECH NEWS is determined by a majority vote of the Editorial Board 

## Election Mechanics

Perhaps one of the most unfamiliar of all subjects to the Technology student is campus politics. The inner workings and hidden mechanisms of this facet of his life have remained buried beneath a cloak of self-spread secrecy. The Tech student is not aware of, and does not care about, the many decisions, refenda, and policies of their government. This is not as it should be!

As a first step in the right direction, the direction of enlightenment of the Tech student about S.G., we propose now to illustrate how a newspaper querries candidates for office and arrives at endorsements.

Far in advance of the actual interviews the election board meets and decides upon several key questions. In this election the following key questions were used:

1. What are your policies regarding off-campus activities of Student Government?
2. What are your policies involving the student press?
3. What are your policies on tuition?
4. Should Student Government involve itself with the procurement of monies for graduate studies at the college? If so, how should these monies be raised?
5. What is the purpose of the N.S.A.? (National Student Association). If none, why allocate student activity money to C.C.N.Y. delegates?
6. How do you intend to increase the lounge facilities on North Campus?
While interviewing the candidates for office the editorial board also noted the following:
7. The physical appearance and mannerisms of the candidates.
8. The amount of self-confidence he radiated while answering the questions.
The six main questions were only presented to the presidential candidates, while the others were querried regarding their knowledge of the workings of SG and, with all due respect, their specific knowledge of the platforms they support. One would not believe the lack of knowledge regarding their own platforms by the subordinate candidates. In addition the candidates were given a chance to suggest any new programs they intend to institute if elected.

After noting the comments all the candidates expressed with respect to what we felt were the important issues the editorial board held its discussion. Naturally some of the members had preconceived notions regarding. the candidates. Some of these held true while others were quickly dispelled

Herb Berkowitz was immediately withdrawn from consideration for endorsement for the following reasons:

1. Mr. Berkowitz's appearance is extremely unkempt. We feel that a Student Government President should dress and always look respectable. The idea that the poor impres(Continued on Page 5)

## Letters

To The Editor:
As is customary, the Student Government President is looked to for "words of wisdom" on the eve of student general elections. In the forthcoming elections, one candidate for the presidency stands out above the others. This man is ALAN S. BLUME.
Mr. Blume presents severa terms of experience for the posi tion which he seeks. He alone, of the three candidates, has presented a complete platform of proposals, and well thought through proposals at that. Mr. Blume has demonstrated the Blume has demonstrated the
capability to effectively carry capability to effectively carry out the duties and responsibili-
ties of the presidency. Finally, he more nearly mirrors the feel ings and aspirations of City Col ege students than do either of his two opponents.
Alan S. Blume deserves your support.

## Fred Bren <br> President

The Student Government

## Dear Editor:

Your edition of April 4, contained an article based upon'an interview with Professor Wilen of the chemistry department, whereas, I was quoted as having aid "that it might be ten years before the new (Science) building is completed (if built on the ite behind Klapper Hall)." wish to clarify this statement. The remark was derived from a form of legislation of which I am the author. This was presented to the student council, and was o demonstrate student body support in the matter of the new Science Building and its erecion on the site of Jasper Oval, ather than behind Klapper Hall which is in the ownership of he city. This seems to be the eeling of many of the studen body and facully who arent body and faculty who are di r. The atic quota Pro or. We article quoted Profes or Wilen (also a member of the Building Planning Commit ee) as expressing his personal preference" for the building to be situated on Jasper Oval
I do not believe that anyone can' predict how long it will take to construct the building on the wo sites, But on the othe hand, who can deny the total number of years involved in the condemnation, relocation, and other various court procedures, connected with the new Science Building on the site behind Klapper Hall and that it would be extremely costly, considering the rapidly deteriorating condi tion of Baskerville Hall.
I therefore believe that Stu dent Body opinion should be heard on this matter and that "TECH NEWS" should be con gratulated for bringing this is sue before the student commu nity. One would hope that the student press, the student body, and indeed student government would not neglect an issue such as this, with which it should be so vitally concerned. The fur ther expansion of the College should be of equal importane with an increase in student a new student government constitution, or the closing of Con vent Avenue to traffic.

## Sincerely yours, <br> Howard Simon <br> Student Council

Representative '65


## * 9 A DANCE *

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## TECH LIFE <br> By TED SEMEGRAN

Did you realize that as a block last year, the engineers decided the outcome of the S.G. election. Fred Bren of the Reform slate was destined to the presidency due to his endorsement by Tech Council and TECH NEWS. Another item in his favor was in-class voting which provided a good number of votes by engineers who would never have voted otherwise. This year, in-class voting has been discontinued and I wonder how many of the engineers will make the effort to go to a polling booth, flash his I.D. card and yellow student receipt card and then make a few circles around the names on the election agency candidates sheet. Just walk in back of the North cafeteria in view of Knittle Lounge or if you happen to be in Finley Center, go to the main entrance near Finley 152 and push your pencil across the paper.

This year, as in the last election, the engineer vote could swing the election in their favor but since no candidate has the backing of both Tech Council and TECH NEWS, the votes will be divided among the candidates fairly evenly. Alan Blume, a personable can didate for the Presidency, will be a Junior next year. The choice of TECH NEWS, Mr. Blume, is a moderate candidate who would rather relinquish the off-campus activities of Student Government and stick his guns toward on-campus matters. He is acquainted with the need for a Student-Faculty Committee on Technology which would be used as a complaint and suggestion group for the grievances of the engineer. I can cite one case for the need of such a Committee which would be to investigate the giving of finals on Friday May 25, when many engineering labs run till six on Thursday. Such a proposed revitalization to this committee is a commendable proposal

Nevertheless, I disagree with Mr. Blume on his stand to limit off-campus activities as out of the scope of Student Government He states that those off-campus activities which will be detrimenta to the. student body as a whole should not get the tag of Student Government of City College. I support his opponent's position, Ted Brown, on this matter. Ted Brown's philosophy on such matters is more mature and thought out. He believes that off-campus activities are just as important as cafeteria coat hooks and finds that such activities can make the student more aware of the world situation rather than the introverted student governments we are all familiar with from High School. Mr. Blume who would like to discourage detrimental off-campus support would be an unsure censor and could not tell what is good or bad off-campus activities for a school of 8,000 students.

I can only commend both Ted Brown and Alan Blume for accepting my challenge, if they should win, to the only method left for the "Free Tuition" cause - it's still not dead! Not a blind promise, but a great deal of work will be required in this "challenge" which will entail going to the districts of the New York City congressmen and senators (there are quite a few) who voted against Free Tuition at the City Colleges. Such a move would surely enrage many voters who are unaware of the Albany voting record of their district representatives. I was sorry that Herb Berkowitz passed over this proposal during the candidates interview at the TECH NEWS office and I can only assume that his method of appealing to the parents of the students at the colleges is of minor importance since they are already swayed to our cause

Mr. Berkowitz as well as the other two candidates are "work ers" which is a favorable title for members of Student Government yet my only qualm about Mr . Berkowitz as the president of SG is his attitude to the position which is reflected in his slovenly dress ing and impulsive personality. Yet I can honestly say that all three candidates could be effective presidents as seen by their previous records.

Mr. Rosenthal, one of the editors of Vector asked me to appeal to interested students to write on one of the nationally recognized engineering magazines - Vector. Due to the recent graduation of many of the staff members of Vector many positions will be available. Can you think of a better opportunity than working on one of the most awarded magazines written by and for engineers. Here is an opportunity to start at the top. By the way, TECH NEWS will always accept your bodice no matter whether you are short or tall or pack a slide rule.

## Editorial. . .

(Continued from Page 4)
sion he makes at first is due to his forthrightness is absurd. It is genuinely due to his slovenlyness.
2. Mr. Berkowitz had no prepared platform. Furthermore, when questioned on issues that we felt were of major importance he continually hedged his answers.
3. Mr. Berkowitz is a sensationalist. We feel that he might appeal to those individuals who are looking for specific answers to specific questions or to those individuals that are politically naive.

This reduced our labors tremendously. We had the general impression that Mr. Brown was sincere but that his major programs were devoted to areas that are of nc particular interest to the Tech Student, Mr. Blume was so well prepared in his answers that we felt he had given careful consideration to those ideas well before election time. In addition his platform was so well developed that we felt he was the obvious choice for the presidency.

# Gr. 108 Class Tries Novel <br> <br> Project 

 <br> <br> Project}

by martin kaufman

A small article in the March 1962 issue of Popular Science Magazine prompted Professor Olsen to start one of his classe on a novel and unusual design project Wheel Chair.
The class is competing for a $\$ 500$ prize offered by the President's Committee on Employ ment of the Physically Handicapped and the National Inventor's Council - both agencies of the Federal Goveinment. The prize moncy has been donated by an anonymous private citizen.
The wheel chair must meet certain specifications. It must be able to climb ordinary stairs as well as be light, foldable, narrow, safe, inexpensive, and selfcontained. Over five hundred different designs have been submitted so far; however, none of them have met the severe specifications. Three have come close though, and these designer's have been awarded $\$ 1,000$ consolation prizes. The class of nineteen has been working for over two weeks on this project. Accorcling to Professor Olsen, "Many of them (the designs) look good on paper and we're very optimistic."
The project will not only give the students experience, but will also be an exercise in creative thinking.
The students think that Professor Olsen has hit upon a good idea, Comments ranged from, "Its been very challenging," and "It's sure more fun than designing a jig," to "Everyone in the class enjoyed the project very much."

## Carnival To Be Held on May

## By SAM EIFERMAN

This Saturday, May 12, City theme of this year's Carnival. College will be the scene of House Plan Association's annual Carnival. This event, open to all students at the collcge and their friends, has as its theme "RONDE LE MONDE: A CARNIVAL OF NATIONS." (French students will immediately recogThe Musical Comedy Society will present two Revues, to be staged at the Music and Art High School auditorium: one at 8 P.M. and one at 11:15. President Buell G. Gallagher will be the Master of Ceremonies for the $11: 15$ show, at which time


Carnival Queen Ball Finalists. Front row, left to right, Arlene Greene, Carole Stirbl, and Tisa Chang. Back row, left to right, Alexanda Sodol, Karen Wolper, and Linda Rosen.
nize that Ronde le Monde means Around the World.)
Those who will attend this 23rd annual affair will see the greatest Carnival ever held on Campus.
The fifty fun-filled booths on the South Campus lawn will be open from 8 P.M. and dancing under the stars will feature, naturally, the twist. Each booth will represent a different country in accordance with the
he Carnival Queen will be an nounced.
Tickets for the 8 o'clock show are priced at $\$ 1.25$ and $\$ 1.50$, for the $11: 15$ presentation $\$ 1.50$ and \$1.75.
Admission to the shows is by ticket only and all seats are reserved. Carole Lewis, last year's Carnival Queen, will be on hand to inaugurate the reign of the Queen of the 1962 Carni val.


## CANDIDATE QUALIFICATIONS

Presidential Candidates


TED BROWN
Associate, Vice-President of Student Government; Member, Student-Faculty Committee on Student Activities; Student Council Representative; Chairman, Secretary of Student-Faculty Committec on the College of Liberal Arts and Science; Student Government Fee Commission; Student-Faculty Dis cipline Committee; Special Stu dent Government Fee Commit tee; Sludent Government Schoo Affairs Committee; President

Class of 1963; Assistant Director, Bureau of Public Opinion Research; President and VicePresident, The Society for Criticism and Discussion; City College Delegate to USNSA Conference on "The Aims of Education"; Member, Lobbying Delegation at Albany for the Restoration of the Free Tuition Mandate; 1962 Masonic Award; Student Governmentoutstanding Service Award; Sigma Alpha; Deans List.

## ALAN S. BLUME

Student Council Representative from the Class of 1964 (3 terms), Class of 1964 Council, Chairman of the Student Government School Affairs Committee, Student Government Academic Affairs Committee, Student Government Internal Affairs Committee, Member, Student Government Fee Commission, Student Government Moatride Committee, Advisor to the Student Government Public Opinion and Research Bureau, Government and Law Society, Member, House Plan, House Plan Leadership Training Conference (twice), Grau '64 House Plan Council Representative, Social Director of Grau '64, President of Grau '64, House Plan Elections Committee-Fall '61, Bowling, Softball and Football Intramurals, CCNY Freshman Bascball Team.


## HERB BERKOWITZ

Member of the Student Council for two semesters, Chairman of the Student Council School Affairs Committee, President of the Class of 1963, Member of the Student Government Fee Commission for two semesters, President of the Society for Criticism and Discussion Vice-Pres ident of the Society for Criticism and Discussion, Chairman of the Student Government Publicity Regulations Agency, Director of the Student Government Public Opinion Research Bureau, Mem ber of the Special Student Gov ermment. Committee on the Heald Report, Parliamentarian of the House Plan Association

Council, Member of the House Plan Association Managing Board Committee on the Metropolitan Inter-Collegiate House Plan Association Constitution, Member of the Student Committee for Hamilton Grange, Member of the Student Council School Affairs Committee, VicePresident of Wittes '63, Member of the House Plan Association Program Committee, Member of the Debating Society Member of the Debating Team (Novice), Delegate to the Fourteenth National Student Association Congress.

## Vice Presidential

 Candidates
## IRA BLOOM

Student Government Treas urer, Student Government Secretary, Student Council Representative, Finley Student Center Board of Advisors, StudentFaculty Fee Committee, Student Government Executive Committee (2 terms), Student Government Fee Commission (3 terms), Student Council School Affairs Committee, Varsity Debating .Team, Wittes '64, House Plan Leadership Training Conference.

## MARK KESSEL

Student Council Representative, Class of '63, School Affairs Committee, Student Council

Committee to Close Convent Avenue, Student Council Committee to Investigate Scabbard \& Blade Incident, Economics Honor Society (Omicron Chi Epsilon), Alternate Representative to House Plan Council Social Chairman, Wittes '63.


ROBERT LEVINE
Associate Vice-President (for Personnel), Member, Executive Committee, Chairman, Publicity Committee, Member, Student Council - 2 terms, Member, Student Council Internal Affairs Committee, Member, Student Council School Affairs Committee, Member, Student-Faculty Bookstore Committee, Chairman, Public opinion Research Bureau, Member, Student Government Fee Commission, Member, Publicity Regulations Agency - 2 terms, Member, Service Agency, Member, Class of '64 Council - 2 terms, Member, Publicity Agency, Member, Graduate Scholarships Fund Con'mittee, Treasurer, Railroad Club, Member, Young Democlub,
crats.

## Pell For Treasurer

## MEL PELL

Student Government Fee Commission, Student Council, Student Council Internal Affairs Committee, Vice President : of the Junior Class; TECH NEWS -Editor-in-Chief, Associate Editor, Features Editor, Assoc. Features Editor, Blood Bank Council-Vice.Chairman, Chairman Publicity and Education Committees, Hillel Foundation - Council three terms, Co-chairman Major Concepts, Oneg Shabbat, and Marriage and Family Discussion Groups, Organizing Committee on the Council for Religious Forums, Tau Beta Pi, Pick and Shovel, AIChE.

## Candidates <br> For Sec'y

SAMUEL S. EIFERMAN
Student Council representative - 2 terms. Student Governmen't Academic Affains Committee - 2 terms, Student-Faculty Bookstore Committee member - 2 terms, Student Government Boatrife Committee - 1 term, Class of '64 council - 1 term, Student Government Social Functions Agency-1 term, Representative on the Technology Intersociety Interfraternity Council - 1 term Freshman Advisor in House Plan Association - 1 term, Social Functions
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Fall 1961; sentative Faculty Fe gus, Pre-
Pick and Contact.

Secretary term, Me Committee
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# CANDIDATE QUALIFICATIONS 

(Continued from Page 6) Sec'y ...

## SAMUEL S. EIFERMAN

Committee of House Plan As sociation - 2 terms, House Committee of House Plan Association - 1 term, Athletic Committee of House Plan Association - 1 term, Attended House Plan Association Leadership Training Weekend - 1 term, School of Technology Standing Committee member - 2 terms, Circulation Manager of TECH NEWS - 1 term, Social Director of Klapper ' $64-1$ term, Present Social Director of Dean '64, Present News Editoi of TECH NEWS, Present Corresponding Secretary of Technology Council, R.O.t.C. Fife, Drum, and Bugle Coips member - 4 terms, Hillel member - 2 terms, Society of Military Musicians member -2 terms, A.I.E.E. I.R.E. member - 2 terms, Pres-
ent Chairman of Technology Council's January Graduation Committee, Present Chairman of Technology Council's Committee for the Organizing and Sponsoring of Student-Faculty Teas.

## MARJORY FIELDS

Student Council, Representativetive for the last three semesters, Delegate to the 14th National Student Association Congress (Summer, 1961), National Student Association Campus Coordinator for the last two semesters, Chairman of the Student Council Internal Affairs Committee, Representative of Student Government at three
Metropolitan New York National Student Association Reyional Assemblies (1960, 1961, 1962), Representative of Student Government at National Student Association East Coast Regional Conference (Spring 1962), Member special Student Government Committee to investigate the Heald Report (Fall, 1960), Delegate to the Metropolitan New York Region (NSA) Conference on Foreign Students in New York (Spring, 1961), Delegate to Conference on the Role of the Intellectual in Modern Society at Bryn Mawr College (Spring, 1961).

## Class Officers

President '63

KEN SCHLESINGER
President of the Class of ' 63 , Fall 1961; Spring 1962, Representative of Classes, StudentFaculty Fee Committee, Areopagus, Pre-Law Honor Society, Pick and Shovel, Sports Editor, Contact.

Vice Pres. '33

## JOAN FARBER

Secretary of Phi Tau Alpha 1 term, Member of Executive Committee of Phi Tau Alpha 11 years, Present Secretary of Class '63, Editor of Junior News-
letter, Social Chairman of Inletter, Social Chairman of In-
ter-fraternity Council 1 year:


## RICHARD WEISBERG

Secretary of Student Government, Member, Student Council, Chairman, School Affairs Committee of Student Government, Member, Class Council of '63, Member, Special Investigating Committee of Helsinki Youth Festival, Alternate Representative, Student-Faculty Cafeteria Committee, Delegate, East Coast Regional Conference of NSA, Beaver Broadcasters Club, Wittes ' 63.

## Secretary " 63

## MYRON DANZIG

Junior Class Council ('63)-Secretary-one semester, CounMember - one semester, World University-Treasures-one semester, Publicity Chairmanone semester, Council Membertwo semesters, Hillel-Councilfive semesters, Speaker on Seminar, Major Concepts GroupChairman, Portrait of the American Jew-Chairman

## RICHARD SCHWEIDEL

I.F.C. Service Committee, Blood Bank, W.U.S., Tau Epsilon Phi, Hillel.

President ${ }^{6} 64$

## RONALD FRIEDMAN

Class of '64 President-2 terms, Varsity Swimming Team, President of Klapper '64, Social Chairman of Klapper '64, and Basketball and Baseball Intramurals.

Vice Pres. '64
CARYL SINGER
Managing Editor - TECH NEWS-4 terms, Student Council Rep. Class of '64, Treasurer Class of '64, President Sis Wittes - 2 terms, Jr. Varsity team (girls') 1 term, School Affairs Committee, Student Faculty Used Book Exchange Comm.

## Treasurer ${ }^{6} 64$

JERRY PERLMAŃ
Dramsoc - Vice President, Caduceus member, Student Council Rep. Class of '64, Member Class Council Class of ' 64 , Academic Affairs Committee

## President '65

## rocco De stefano

Member of Publicity Regulations Agency, Member of Publicity Agency, HPA Programming Committee, HPA Camping Committee, Contact Staff, Government and Law Society, Newcan Club, Social Chairman of Lewisohn ' 6 , Railroad Club.

GERALDINE RHYNUS
Executive Committee of the Young Democratic Club-Chairman of the Reception Commit tee, President of Sis Briggs '652 terms, Member - House Committee of House Plan Association, Alternate Delegate to Re gion 1 - New York State Col ege, Federation of Young Dem ocrats, Staff of Young Democratic Club Newsletter.

Vice Pres. '65

## MICHAEL ENGEL

SG Public Opinion and Research Bureau, Secretary, Dean '65, House Plan Council Rep., Member, Young Democrats.

## Secretary ${ }^{65}$

GAIL DORNFEST
Corr. Sec'y Class '65, in Fall term 1961, House Plan Council Rep. for term, Sec'y-C.M.C. Central Management Committee.

## SANDY HALFEN

Member of House Plan As-sociation-Sis Compton '65, Carnival Representative, Major Functions Committee, Representative of House Plan in FreeTuition Drive.

## Student Council

'63 Student Council

MARTIN FOGELSON
President - Government \& Law Society, Vice President Government \& Law Society, Executive Committee - Student Committee for Hamilton Grange, Cross-Country Team.

## LARRY WEISS

V.P.A.A. Bd. 1961-62, Member A.A. Bd. 1960-61, Member Government \& Law Soc. 1960.

## susan abel

Member of Council NowJunior Day Committee, Sale of Class of '63 Buttons, Will be working on publicity of Junior Day, Microcosm '62 - Faculty Editor, as editor of this section of the yearbook I have become acquainted with the problems and ideas of students and faculty in all the schools' of the college, Beaver Deb SocietyService Society for the ROTC extra-curricular activities, Sian Club President - made up of mostly transfer students who are representative of large segment of the Class of ' 63.

## MITCHELL ZIMMERMAN.

President, The Debating Society, Chairman, The Seventh Annual City College Invitational Debate Tournament, Member, Lock And Key Honorary Senior Leadership Society, Member, The Young Democrats.

## '64 Student Council <br> ROBERT ATKIN

N.S.A. regional conference delegate, Picket leader at the line at the Board of Higher Education against the ban on controversial speakers Picket leader at the line at Shep. Hall against the Ban on controversial speakers, Chairman of the City College chapter of the Congress of Racial Equality, Chairman of the now non-existant Ad Hoc Committee for Academic Free dom.

ROBERT DIMINO
First Sgt in R.O.T.C., active member of Pershing Rifles, In tramurals Rifle Tcam.

## RICHARD KANE

Serving as Recording Secretary of Technology Council, Charter member and charter Executive Committee member of the C.C.N.Y. Young Republican's Club. At present I am awaiting confirmation on a recent election in which the members of the club re-elected me to the Executive Committee.

## STEPHEN STARK

Young Democrats Club, Member Beaver Trales - Editorial Staff Class of ' 64 -Council Member.

## GENE FECHTER

Musical Comedy Society, Big Brother, Freshman Day Committee, S.G. Cultural Agency.

## ©65 Student Council

PaUl bustamante
President of Young Conservative Club, Staff member of C.C.N.Y. Cadet (Military Science newspaper), Staff member of the Guidon (intercollegiate Military Science newspaper), Member of Young Republican Club.

## HERBERT GELLER

Treasurer of the Class of 1965, Member of Class Council 1965 Treasurer of Jolson 1965 House Plan, Engineering Highlights Editor of VECTOR, Member of North Campus Publicity Regulations Agency, Delegate to Technology Council, Member of Jolson 1965 House Plan.

## STANLEY LOWENTHAL

Member Public Opinion \& Research Bureau, Pledge - Phi Epsilon Pi Fraternity.

## '66 Student Council

## SUSAN FISCHER

President of House -- Sis Spencer 65.5, Member of Major Affairs Committee in House Plan, Member of Carnival Committee in House Plan.

## JOEL GOLDBERG

Member, House Plan Associafion, Social Director of Baron '65.5.

ROBERT F. HELD
Member, House Plan Association, Member, Reserve Officers Training Corps.

## LINDA LOWE

Member of the House Plan Association, Vice-President of Sis Spencer '65.5, Historian of Sis Spencer '65.5.

## Industrial Process Measuring In.

 struments by Grady C. Carroll, Consultant Instrument Maintenance and Process Control Engineering. 444 pages plus index; 331 illustrations; $6 \times 9$; McGraw-Hill; $\$ 12.50$, Publication date: March, 1962 ."Industrial Process Measuring Instruments" presents-in practical, non-mathematical termscomplete data on modern indus. trial process measuring instruments. The book covers the principles of design and application of a major portion of measuring elements used in such industries as petroleum, petrochemical, chemical, plant food, insecticide, paper, high energy fuel, and steam generating. A cross section of measuring elements manufactured by 45 instrument companies are included along with design information for certain types of devices such as differential pressure-producing elements, flumes, weirs, gas ana lyzers, liquid analyzers, etc.
Among the topics discussed in the book are: differential pressure-measuring elements fluid velocity-measuring instruments; mass and volume of flowing fluids and solids; pressuremeasuring elements; liquid lev-el-measuring elements; speedand weight-measuring elements; specific-gravity-measuring elements; viscosity-measuring elements; temperature-measuring elements; analyzers (chromatographic, infrared, mass-spectrometer, and thermal-conductivity types); catalytic and paramagnetic oxygen analyzers; indus-

## Slants on Sports <br> <br> by Mary Chosen

 <br> <br> by Mary Chosen}
LACROSSE TEAM TAKES TWO OUT OF THREE While the majority of the school was enjoying the vacation the Lacrosse Team was busy fulfilling its varsity schedule. On April 21, 25, and 28 the team competed against Drexel, C. W. Post, and Aclelphi respectively. The outcome of these contests, all played on the opponents' home fields was most fruitful for our men. Both Drexel and Post were subdued by the stickmen from City by the score of (11-8) and (12-7) in that order. Adelphi, last year's division champs were able to contain our team as they defeated us (7-4). A victory in this game would have given our team a good chance of sewing up the division championship up at that point, but perhaps this can still be accomplished if the rest of the season is a winning one.

The Drexel game saw John Orlando, the team's Co-captain score five goals, Andy Mueller, an attack man score two, Rudy Chaloupka, another attack man score three, and Jeff Moskowitz score one to give our team its eleven points for the victory

The Post game proved to be an exciting one as the team losing $5-0$ in the second period bounded back with seven goals in less than ten minutes to forge ahead $7-5$. The battle was hard fought and the outcome was a $12-7$ victory for City. It should be recalled that last years contest gave C. W. Post a $13-12$ upset victory which I am happy to say was not repeated this year. A number of men contributed to only team's victory, they being Orlando (3), Mueller (2), Chaloupka (2), Muhbstein, Red Brown, Al Dyer, Emile Castro and Margolis (1).
The Adelphi game saw Andy Mueller score three goals and John Orlando one to give City its four points, but this was not enough to stave off the men from Adelphia who score seven goals to obtain the victory. The game saw Co-Captain and goalie Richie Auster make twenty-six saves in the course of the game, and 1 am informed that approximately fifty attacks were made upon our net which kept all our boys pretty busy.
On May 5, the team will play Army's B team and then take on Lafayette, Colgate, and Union to complete their shedole. As the team stands right now their probably isn't one man on the team who isn't injared in one place or another, the most popular area being the knees which take a lot of beating in this sport. Coach Baron compares his team to the Confederate army after Appomatlox, tired and injured but still able to fight if necessary.
In conclusion I would like to say that I don't approve of the field that our men play on. Lacrosse is a rough game and it should be played on a grass field. Without too much exaggeration it is safe to say that our field is probably the worst field of all the fields in the whole country for playing this game.

SUMMARY OF RESULTS
Goals Scored Against An Opponent

Orlando Mueller Chaloupka Moskowitz Muhlstein Al Meyer Red Brown E. Castro Margolis

## FOLK FESTIVAL

GROSSINGER NEW YORK September th to Fth, 1962
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## Girl Watcher's Guide

Presented by Pall Mall Famous Cigarettes


The mover is more of a girl scout than a girl watcher

## LESకంన 120 Watching at a beach or pool

When watching at the beach or pool it is not necessary to keep moving. In fact, it is unwise to move at all, unless the watcher actually enjoys swimming. In such cases he should swim.
At the beach it is better to stay in one place, because the mover is more of a girl scout than a girl watcher
(see above). He is somewhat like the man who goes to the theater to see girls. The girl watcher goes to a musical and happens to notice the beautiful girls. The scout goes to see the girls and, sometimes, happens to notice the musical. (Whether you're a watcher or a scout, you'll find Pall Mall makes a most pleasant companion.)
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