



THE SCHOOL OF TECHNOLOGY

TECH NEWS

CITY COLLEGE OF NEW YORK

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WEDNESDAY, MAY 23, 1962

222

BY STUDENT FEES

Everett Resigns Chancellorship

By S. STANLEY EIFERMAN

On Tuesday, May 15, the Chairman of the Board of Higher Education, Dr. Gustave G. Rosenberg, announced that Dr. John R. Everett, Chancellor of The City University of New York, has tendered his resignation to the Board through the Administrative Committee on the City University at their meeting on Monday, May 14.

Dr. Everett's resignation will take effect on August 31, 1962. In a statement he made he revealed that he will become Senior Vice-President of Encyclopaedia Britannica in Chicago and emphasized his regret at

In a statement that Dr. Everett issued he said, "I have always had a compelling interest in the advancement of educational techniques. In this new capacity, I shall have an opportunity to devote myself entirely to this field through the 'TEMAC' programmed learning materials, new kinds of textbooks, and the development of new courses ranging from elementary schools through university levels."

Dr. Everett also stated, "In addition, I will serve as a member of the Board of Editors of the Encyclopaedia Britannica and I shall have responsibility for the development of Britannica Schools, which is an exciting experiment just launched."

Dr. Everett found it extremely difficult to leave The City University at this particular juncture since he has found the work here stimulating and challenging. The cooperation Dr. Everett received from the Board has helped set the basic development pattern for the University and he said that he will follow its development under the Board with more than ordinary interest.



Dr. John R. Everett

leaving The City University. Dr. Everett was appointed Chancellor by the Board in June, 1960.

While Dr. Everett's resignation was received with shock and deep regret, he made clear that his reasons for leaving were overwhelmingly personal and financial and left him no alternative, which must be therefore understood. The Board was grateful for the tremendous impetus the Chancellor put into the creation of the City University. The loss to The City University is exceedingly great and cannot at this moment be asayed.

The Board will go forward with the plans for development which Dr. Everett with his staff envisioned with the Board. The Board said that Dr. Everett has made history and strongly suspects that that is his hallmark in any undertaking to which he commits himself.

Dr. Everett will have the opportunity to direct research and development of all areas concerned with academic communication.

TECHMEN!

Tech students are urgently needed to be Big Brothers to entering freshmen on pre-registration day, Thursday, Sept. 6. If you are interested in helping, see Professor David Newton in 119 Finley.

Rosenberg Elected TC President Sela, Kane Hold Veeps

By VALERIE DeCLEMENTE

Kenneth Rosenberg was elected President of Technology Council for the fall semester at the Technology Council meeting on May 10.

Uri Sela will fill the position of Vice President, while Richard Kane was selected as Vice President—SAB. This new officer will be Tech Council representative on the Student Activities Board. Other positions will be filled by Dave Alberga, Treasurer; Herb Geller, Recording Secretary; and Valerie DeClemente, Corresponding Secretary.

Earlier this year, when the Technology Intersociety Interfraternity Council (TIIC) changed its name to the Technology Council, an amendment was passed whereby, in addition to the representatives from each member organization already on the council, six other representatives would sit on the council. According to this amendment, these six new representatives were to be elected from the student body at large. On

(Continued on Page 3)

Student Council Allocates Fall Term Fees: \$16,284

Berkowitz To Head SAB

The first meeting of the Student Activities Board saw Herb Berkowitz, representing House Plan, elected chairman. Richard Kane, Tech Council representative, was elected vice-chairman. The board discussed bylaws and appointed a committee to present bylaw recommendations to the body at the beginning of next term.

The Student Activities Board was created in the new constitution as an arm of Student Government. Its purpose is to coordinate the programming of all campus organizations. It will

control public regulations, and it will replace the Board of Managers as the planning body for the Finlay Center. Programming of cultural and social activities are also duties of the body. Actions of the SAB may be overruled by Student Council.

Mr. Berkowitz, foresees the main problem of next term to be getting the group to function smoothly and efficiently. He looks forward to a "very bright future" for the SAB, but at the same time cautions that "we have no precedents" and that there will be many problems to overcome.

In meetings last Wednesday and Friday nights, Student Council for the first time exercised its power to allocate student fees. At this time a total of \$16,284 was allocated for student organizations next fall. Council also increased the allocation to NSA delegates for the spring terms by \$35 each for five delegates.

Under the old constitution, the Student Government Fee Commission (SGFC) would interview student organizations asking for funds and then submit their recommendations to the Student Faculty Fee Committee (SFFC) which actually had the authority to allocate the money. Now the SG fee commission submits its recommendations to Student Council, which then passes on the request if it meets approval. There is still a faculty committee that may review the allocations; however, it is expected to interfere only if an extreme case arises.

Fee Guide

Fees were allocated using a formula sheet drawn up last year by the SFFC for a guide. The guide contains specific allotments for films, speakers, field trips etc. It also lists several functions for which money should not be given.

To apply for fees each organization's treasurer has to present his request, which must have the faculty advisor's signature to the SG fee commission which conducts an interview, discusses the request, and then votes a recommendation. Upon final approval the organizations account is credited with the money in the central treasury. It is paid out upon presentation of bills for whatever purpose the

(Continued on Page 5)

Steinman Hall: Its Effects and Layout

The David B. Steinman Technology building, scheduled for use beginning September, 1962, has caused many questions to be asked by engineering students. The majority of these are in regards to physical layout of the building and to effects on subject matter of the various laboratories, technology students question no more. While hampered by space limitations and expense, we now unveil Steinman Hall.

CE Department

By RON ANTONINO

Starting with the Fluids lab on the cellar level, and on up through the basement and first floor to the Stress lab on the second floor, one characteristic is possessed by all labs in common — increased space. Each lab will have at least approximately twice the room it now occupies in Goethals Hall. Such constrained space as is now provided for the Multiplex plotter and sanitary engineering lab work will unrestrainedly burst forth to claim a share in the comparative wealth of space in Steinman. And there will even be room for innovation — a Highway Room will be used in conjunction with the highways course.

Undergraduate engineering students will be the chief recipients of the benefits accompanying the improved facilities in the Tech building, and the additional room and equipment will undoubtedly aid graduate students. For graduate students in the Experimental Stress labs, the increase in room will be a boon in that, among other things, it will allow experimental set-ups to remain intact for as long as might be required — somewhat of a trial now in the present accommodations in the Materials Testing lab.

Prof. Paul Hartman, chairman of the CE Dept., believes that the total effect of equipment and

space which will be available in the new building will do much to encourage better lab work by students; and, if anything, the increase in room alone will make a difference in the general at-

(Continued on Page 2)

ROTC Band National Champs

By SAMUEL S. EIFERMAN

Last Saturday, May 19, the City College R.O.T.C. Fife, Drum, and Bugle Corps brought nation-wide recognition to the college by winning first place in the first annual National R.O.T.C. Band Association Competition held at Camp Kilmer, New Jersey.

The host for this competition, which was part of the Armed Forces Day celebration at the camp, was Saint Peter's College R.O.T.C. Band which started the National R.O.T.C. Band Association in December, 1960.

The competition was conducted in two divisions (Band and Drum and Bugle Corps) and each competing unit was judged in three areas; Inspection, Concert, and Marching including Maneuvering.

The City College R.O.T.C. Fife, Drum, and Bugle Corps, under the direction of Cadet Major Robert Webber, arrived

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Nadan Re-elected Tech News Editor

Joseph Nadan, a senior in electrical engineering, has been re-elected Editor-in-Chief of TECH NEWS. In other elections to the Managing Board, Caryl Singer was reelected Managing Editor and Ronald Antonino won the News Editorship. In addition, Sam Eiferman received the Associate Editor position, Mike Buczaczer was elected Features Editor, and Ted Semegran and Ken Rosenberg will co-author Tech Life. The Business Manager's position will once again be ably filled by Linda Graber.

On the Associate Board the following positions were filled; Advertising Manager, Marie Vitacca; Associate News Editor, Ollie Rosengart; Sports Editor, Marv Chasen; Photography Editor, Barry Pressman, and Circulation Manager, Valerie DeClemente.

Steinman...

CE Department

(Continued from Page 1)

mosphere under which the student will labor. Certain apparatus, such as Humidity Rooms in the Soils and Materials labs, will allow better control of experiments for more complete lab work and improved quality, thus enabling the student to derive greater gain from his efforts in the lab.

Materials Testing Lab

There will be four Material Testing labs in all; two on the cellar floor, and one each on the basement and first floors. The Concrete Testing lab, located in the cellar, will contain a Temperature and Humidity Room for concrete curing. Study of concrete is to be removed from the CE112 curriculum and placed in the revised concrete course, CE216. Students will, in the course of their studies, be able to build reinforced concrete beams and columns, and investigate their properties and performance with tests.

All of the equipment now in the Materials lab will be moved into the new labs. In addition, there will be new apparatus in the form of dynamic and impact testers for metals, a creep tester for metals and plastics at room and elevated temperatures, a vibrophore (high speed fatigue tester), and a column tester, with which columns of up to six feet in length may be tested.

Because of the time involved in working out experiments to best utilize the new equipment, revisions in the CE112 curriculum will take place from year to year. There is a possibility that work in the Stress labs might be included in the Materials Testing course at some future time.

Fluids Lab

The new Fluids lab, having about four times its present floor area in Goethals, will be located in the cellar. The bulk of the equipment now in the lab will be moved, and much new and improved apparatus will be available. A large capacity wind tunnel will find use in the study of flow around immersed bodies, boundary layer phenomena, and turbulent flow. A water tunnel will also aid in the study of immersed flow, and of cavitation. To demonstrate the analogy between supersonic flow in gases and supercritical flow in liquids, a water table will be employed. Energy losses in pipes will be studied in a new pipe complex. The flume now in the Fluids lab will become a tilting flume with the addition of hydraulic jacks as its supporting elements; its hydraulic characteristics will be improved with the installation of glass siding in place of its present plastic sides. An oil recirculation unit will be used to study laminar and turbulent flow, and boundary layer in pipes.

Water is to be supplied through constant high and low head reservoir systems, which will be about 65 feet and 20 feet above the lab floor respectively. The capacity of both systems will be about 2½ cfs. In addition, there will be a city system supply line, and three smaller constant head tanks to supply smaller hydraulic heads.

Work in the lab will not be along pre-defined lines, but will permit a degree of flexibility. Individual student projects will be encouraged. Students will pur-

sue a single overall problem throughout the term, designed to encompass basic concepts of instrumentation, energy, and momentum.

Sanitary Engineering Lab

There will be two Sanitary Engineering labs, one each on the basement and first floors, which will be incorporated into the new sanitary engineering sequence and graduate courses. The work in the labs will be in line with the recently announced curriculum changes in the present Water Supply (CE236) and Sewage (CE237) courses, with the treatment aspects of these courses combined in Sanitary Engineering II (CE239).

The basement lab will be basically a pilot plant in which unit processes of sanitary engineering, with reference to water and waste treatment, will be studied. This will amount to a complete water and sewage treatment plant in miniature, with added provisions to bypass any processes in the set-up in order to investigate individual components and methods. A pump placed in a sewer in a nearby street will deliver "real" sewage to the lab, and there will also be provisions for the artificial addition of contaminants to water or sewage.

The first floor lab will be used for analysis and bench scale work. Physical, chemical, and biological analyses will be performed on various samples, including those from the treatment plant. A separate Scales Room will isolate and house the sensitive scales to be used in this phase of the work.

Sanitary Engineering I (CE 238) will not involve any lab work, but will concentrate on the study of hydrology, methods of estimating water needs and liquid wastes, and the design of engineering system for the interception, collection, and distribution of water, and for the removal of wastes. CE 239 will concern itself with analysis, theoretical and laboratory investigations of the mechanisms of water pollution control and treatment as unit processes and relevant factors concerning the necessity for potable water supply and for waste treatment.

Soil Mechanics Lab

Two labs, one each on the basement and first floors, will give about three times the present floor area to the Soil Mechanics lab. The increased space will do much to improve work efficiency, resulting in a more productive lab period for the student. For example, the equipment and general layout in the lab will allow work to progress quickly, and much of the waiting for the use of a piece of apparatus will be eliminated. The available space and equipment will permit students to undertake individual projects with a great deal of latitude. Guidance, with regard to feasibility, practicality, and methods, will be provided by the instructors (the main difference between undergrad and grad student projects will be the amount of supervision given).

New apparatus will replace certain equipment now in the lab which, having been put together on a makeshift basis, and while adequate to demonstrate the principles involved, could be

improved upon. Equipment for dynamic testing, study soil behavior under dynamic as well as static loading, will also find its way into the lab. While conditions now limit testing to essentially two soils, facilities in the Tech building will permit more of a variety of soils to be tested, and this will help to give a better overall picture of soil behavior.

There will be changes in the Soil Mechanics curriculum to fit the character of the new labs, but no drastic revisions will take place. One improvement over the present procedure will be synchronization between lab work and lectures, with experiments planned to fit the lecture schedule more closely.

Stress Lab

Located on the second floor, the Stress lab will grow from its virtual pigeon-hole in the Materials lab into approximately 3700 square feet of floor area. Graduate courses are taught in this lab, but, as mentioned above, there is a possibility of including work in it into the CE112 curriculum at some future time.

In the new and improved equipment category will be an X-ray machine for the study of inter-atomic and residual stresses, photoelasticity apparatus for investigation of two and three dimensional stress problems. There will be subdivision within the lab wherein various studies will be conducted. For example, a Stress Room will contain implements for coating specimens with brittle lacquer, and for observing the resulting surface patterns upon stressing them. Testing under various stress conditions, (e.g.: vibration, environmental conditions, such as high and low temperatures, etc.) will be facilitated with special apparatus. The lab will be equipped with the future objective in mind of being able to conduct stress testing on any piece of equipment under any kind of conditions. The highways course (CE261) will have a Highway Room, located

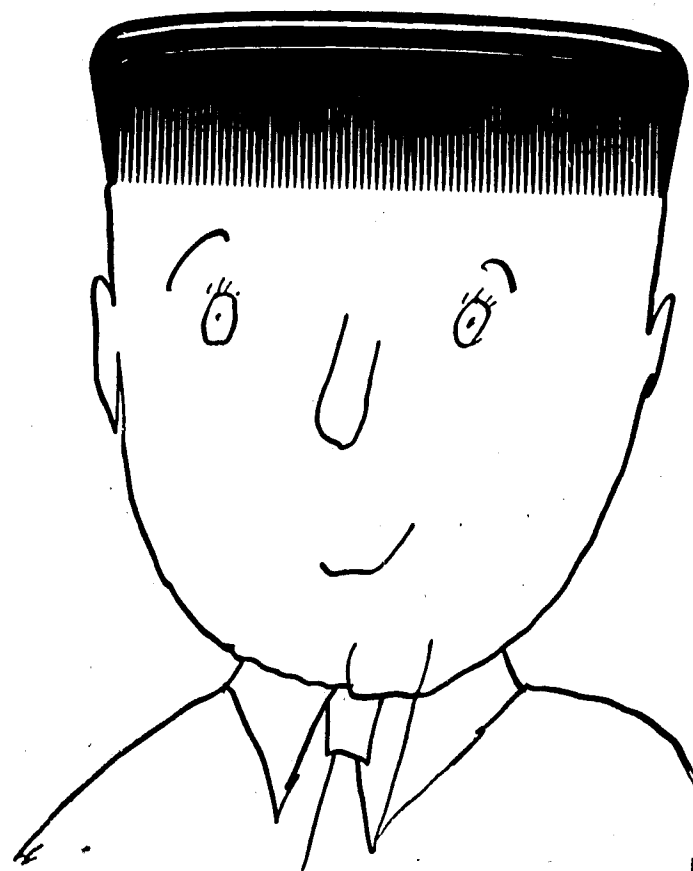
in the cellar, at its disposal. It will be used primarily for storage, but some desk work will probably be conducted in it. Equipment will consist of different types of soil compacters, which will be used for the labor experiments to be included in the CE261 curriculum. Lab work will be concerned with investigations of adhesive and cohesive properties of different soils and other materials—such as Portland cement — and their uses and suitabilities as foundation materials in road substructures, and as road surfaces. The Soils lab will be used for much of this work.

Situated on the second floor will be Photogrammetry and Optical Tooling labs, and the Multiplex Room. The facilities will not induce any changes in the Surveying sequence, at least for

the present, but easier and more convenient accessibility to the equipment will result (a marked improvement over the present conditions under which the Multiplex is used). Individual extracurricular projects using the equipment, both by students and faculty, will be possible and encouraged. No new equipment will be going in, but that already possessed will be kept on display for instructional purposes. Equipment for the optical tooling lab might be acquired at some future time.

The department chairman and faculty offices will be located on the first floor and first floor mezzanine. There will be 14 offices in all, and more privacy will probably be afforded, since there will be only two faculty members per office.

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Tech Council "Ronde Le Monde" Outlook Favorable For June Grads

(Continued from Page 1)

By SAMUEL STANLEY EIFERMAN

By S. S. EIFERMAN

May 10, Fred Bren, Student Government President, officially informed Tech Council that the Student Government Executive Committee had reversed this decision, and had declared the Tech Council election ballots null and void.

Mr. Bren further informed Tech Council that according to the new Student Government constitution, the council will now become one of nine federations represented on the new Student Activities Board (SAB). The SAB will assume authority as the planning board for the use of the Finley Student Center for Day Session activities, and in instituting social and cultural events on campus. The board will also be responsible for resolving disputes between clubs and organizations concerning dates and publicity.

In order to fill the position left open by the new Student Activities Board, Tech Council had to amend its constitution, and create a new office. This representative will be called the Vice President — SAB. The amendment was passed at the Tech Council meeting on May 17.

In stating his aim of Tech Council for the fall semester, Kenneth Rosenberg, President-elect, declared that he wished to establish an organization rather than a federation, whose membership, upon approval of the constitution of this organization, shall include all recognized engineering societies, honorary engineering fraternities, engineering social fraternities, and engineering publications, regardless of the particular federation to which any of these groups already belong.

The purpose of this organization shall be to correlate the activities of its members, to encourage extracurricular activities, to represent its members in matters of mutual interest to them, and, in general, to do everything for the betterment of the City College and for the School of Technology. Mr. Rosenberg stated this in light of the fact that the membership of the Tech Federation does not include Tech News, Vector, Epsilon Nu Gamma, Alpha Mu Epsilon, the Society of American Military Engineers, and the American Rocket Society. These had previously been included in TIIC membership.

Mr. Rosenberg, during his term in office, desires to obtain proportional representation to federation on the Student Activities Board.

Mr. Rosenberg also plans to obtain increased lounge facilities on the North Campus, and to obtain coat hooks in the Shepard Hall cafeteria.

In order to aid the Technology student, particularly the incoming freshman, Mr. Rosenberg plans to publish an 'engineering student's guide.'

On Saturday, May 12, House Plan Association held its annual Carnival on the South Campus grounds. The theme of this year's Carnival was "Ronde le Monde; a Carnival of Nations" and each gaily decorated booth on South Campus represented a different nation.

One of the booths, that represented the United States, was named Love 'em and/or Leave 'em. At this booth you were able to marry and/or divorce your escort. Phyllis Wallach and her escort, one of the charming couples married at this booth, said that they never had as much fun anywhere else as at this year's Carnival, and where else can you get married at such low cost?

Another booth, representing Sweden, was named Love Potential Test. At this booth it was possible, by the means of electronic circuits, to measure the love that flowed between you and your escort.

At a booth representing Russia, called Midnite in Moscow, you had to get a loop across a piece of wire without touching

the wire. If you touched the wire that meant that Krushchev had "jangled your nerves" and you were allowed to take some darts and "bomb" a map of Russia.

After visiting the booths and dancing under the stars on the South Campus everyone went to see the crowning of this year's Carnival Queen and the show put on by the Musical Comedy Society.

The show was entitled "The World and Us" and the Master of Ceremonies was President Buell Gallagher. As soon as the show ended the Carnival Queen finalists were presented and the Queen was announced.

This year's Queen was Linda Rosen, a freshman, who hopes to work in the Peace Corps. Linda was both President and Social Chairman of Sis Wiley '65.

When the end of Carnival '62 came everyone was reluctant to leave and only the voices of couples walking through Harlem to the Subway broke the stillness that followed the end of a perfect evening, of visiting around the world at Carnival '62.

The present employment situation looks fairly favorable for the June Graduates. Monthly salaries range from \$675 for Mechanical Engineers to \$316 for women Mathematicians.

After an extremely successful campus recruiting program the Placement Office is still receiving calls for personnel in a variety of fields. This means that seniors who have not as yet found employment should go to the Placement Office and make arrangements to get an interview.

Mechanical Engineers are doing exceedingly well in finding jobs this year and job openings for them are still coming in. However, the people who are limiting themselves to the local New York Area are finding out that draft deferred positions are extremely hard to find.

Seniors are encouraged to explore the possibility of getting employment in one of the numerous job opportunities that exist out of town.

Civil Engineers are lucky in the fact that there are many jobs in the New York Area with

construction firms and consultants, who are looking for June Graduates, because of the increase in construction around the city.

Chemists, both male and female applicants, can find employment opportunities with hospitals and smaller chemical laboratories within the New York Area.

Mathematics and Physics majors as well as Engineers have available for them opportunities for Scientific Programmer Trainee positions. These positions are located in Massachusetts, Wallops Island, Virginia, and Dobbs Ferry, New York.

There are many other positions available for Electrical and Chemical Engineers and Biology majors. For further information contact the Placement Office in Finley 423.

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Editorial Policy of TECH NEWS is determined by a majority vote of the Editorial Board

Letters

Dear Editor:

With all the talk about lack of responsibility of the student press, there was still no comment about Tech News in this connection. The honor is undeserved.

After very very faithfully reporting every single detail about Tech Council meeting all term, Tech News' conveniently left out all mention of Tech Council's endorsements in the last issue. Could it be that because they did not fully agree with the decision of the editorial board the Tech Council endorsements were deliberately forgotten?

Sincerely,

Mel Pell

Letter To The Editor:

In the Wednesday, April 4 issue of Tech News, somewhere in the editorial you stated, "this referendum can be termed as truly obstrouvious." I think that you should be more careful of your vocabulary for obstrouvious means unfaithful. This is derived from the Latin verb obstruere. The word you were most likely thinking of is obstruvious, from the early Latin, meaning absurd or ridiculous. However, my humble opinion is that this referendum was not only obstruvious but also truly obstruvious in regards to the student body.

Richard Owl

A Linguistic's Major

Guerdan Resigns ME Chair

Professor George A. Guerdan has resigned as chairman of the Mechanical Engineering Department after ten years of holding this office. Mr. Guerdan said that he left to assume his former position at the College.

Professor Guerdan is looking forward to a fall schedule of "good old teaching." He has great respect for C.C.N.Y., its faculty and students. Professor Guerdan has been with the School of Technology for twenty-five years. During his tenure in office Professor Guerdan has made many progressive changes and improvements in the Mechanical Engineering Dept.

The new chairman of the M.E. Dept. will be Professor Henry T. Updegrove, Jr. He received his B.S. in Mechanical Engineering from N.Y.U. in 1932. Professor Updegrove has been at C.C.N.Y. for many years and has worked under Professor Guerdan.

The new technology building, Steinman Hall, will take up much of the new chairman's time in the fall when the M.E. department moves into its new home.

Professor Updegrove will take office on July 1st.

Steve Rebach
Do You Want To Be A
FAIRY
Godfather?

Tex

Twenty Nine

By TED SEMEGHAN

Since I can't write a "Thirty Column" until next year I've decided to compile a few notes on this term, last term, the term before that . . . and the future.

* * *

While walking past President Gallagher's house, (which is on campus opposite Finley Center), I saw California license plates on the car parked outside. I guess this needs no comment.

* * *

What happened to the poor City College student? Everybody seems to have a car. There is no parking space near the campus after 8:00 a.m. Maybe the City will build a garage on the site of Hamilton Grange.

* * *

On the subject of Hamilton Grange, how can they ever move it. It appears that a mere touch on one of the walls would topple the whole building. Even if it is to be reconstructed down South, I'll bet the Southern Reconstruction period will take five years.

* * *

Convent Ave. is now becoming Fraternity Row of City College. Guess this block won't be safe any more at night, just as St. Nicholas Park is treachery in the dark. Whoever painted the white line along Convent Ave. blue, could have at least used the College colors.

* * *

Lab Report: Tech News

Date 3/1/62

Object: Lighting at City College vs. lighting in the Tech Library
Semeghan Buczalzer

Equipment: 1 Candle Power Meter — 1 hour's time

Place equals X	candle power	X candle power ratio Tech Library c.p.
Tech Library (cloudy day)	5-7	1
North Cafeteria	10-14	2X
President's office	40-50	10X
Rm. S 118	50-55	10X
Cohen Library 2nd Floor	50-60	10X
Men's Bathroom, Cohen Library—2nd Floor	50-60	10X
South Cafeteria	15-20	3X
Tech Library (sunny day)	15-20	3X

Conclusion:

If you wish to study, go to the Cohen Library Rest Rooms or wait for a sunny day.

* * *

I am hoping to see a successful E-Day next year and even a possible E-Day Queen as well as an E-Day Ball. Tech Council — get to work!

* * *

Who will be the spokesman of Tech Council when Mike Rukin graduates or will the Tech Federation be inert as it usually is. Mike Rukin has promised to write a few columns next term on "Graduate Study" during his sojourn at M.I.T.

* * *

Since the Tech Council will have to send delegates to the S.A.B. (the Student Activities Board), the new Finley Center planning group, I hope the delegates will be responsible and active enough to represent the entire Tech Federation. (The Tech Federation membership is the largest at City College encompassing over 2,000 members.)

* * *

Did you ever notice the "No Parking 8:00 A.M. to 11:00 A.M." sign. Even these spaces are filled up by 10:00 A.M. How can we ever change this from a "subway school" if there is no parking space.

* * *

A notice to any members of Tech News:

On June 5, there will be a party at 1132 Ward Ave. in the Bronx. Call TA 8-2238 for confirmation and directions.

* * *

See all you folks in the United States on September 5, 1962, and bon voyage.

Good luck on finals but just remember this final message.

Serve a purpose in this school
On which no man can frown
Quietly sit alone in class
And keep the average down

Vector, 1955

CONGRATULATIONS
to
KAREN RUBIN
on being
Accepted in
BETA LAMBDA PHI
After Being
BLACKBALLED

Congratulations . . .

Congratulations are in order for Ted Brown, newly elected Student Government President. While never doubting his sincerity and ability we still have serious reservations as regarding his "off-campus" activities. With the recent "revision" of the Student Government constitution and with the ever pressing desires of the Tech Student, Mr. Brown now faces immense responsibilities that we are sure he can successfully accommodate. Perhaps our qualms and worries of "off-campus activities" are unwarranted. We certainly hope so. We sincerely hope that Mr. Brown will guide Student Council into creative and important on-campus channels of work, and thus prove us wrong. Many needs exist, (e.g. additional lounge facilities on north campus) and we hope that Mr. Brown will devote his efforts towards these "home areas" and not to Monroe County, freedom rides or peace marches.

TC or not TC?

What is the position of Tech Council now that the federations of the SAB are being formed? According to Fred Bren, retiring SG prexy, the position is one of incumbent, non-existence. He feels that the existence of Tech Council suggests a separate Tech School Student Government. If the word Council bothers you Messrs. Bren or Brown, we will gladly remove this and replace it with federation. However, we feel it totally unwise to disarrange a newly reformed group that is now beginning to operate smoothly. The organizations that now belong to Tech Council, or Tech Federation should be allowed to continue their membership and not be forced to join other federations such as the science group.

Still Bloom For Veep

Next term will mark the onset of a new and revolutionary form of SG; namely a Student Activity Board composed of federations. The vice-president will be responsible for administering this body into a workable form. This requires thorough knowledge and experience in SG. Mr. Bloom has exactly these qualifications. While Mr. Kessel is very personable he does not have either the experience or knowledge necessary to fill this position successfully. We are rather shocked at the draw in the veep position election. It just proves that the majority of students are totally ignorant of SG matters. We urge you, in the fall, to support Bloom for Veep.

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Junior Day Celebration Successful

By CARYL SINGER

Last year when President Gallagher proclaimed the first Annual Junior Day he said, "The first time you do it, it's a precedent, the second time it's a tradition."

On Thursday, May 17, on the South Campus Lawn the Class of '63 celebrated Junior Day. As the sun came out from behind the clouds the Juniors emerged from the surrounding buildings and deposited themselves on that harbinger of spring; the green grass. They were just in time to be entertained by the Musical Comedy Society.

Junior Class Representatives sold over 400 raffle tickets at 15 cents a ticket. The money raised went to the World University Service. (W.U.S.) The World University Service gives aid to needy students all over the globe.

Dr. Buell Gallagher chose the winning raffle numbers from a punch bowl which was held by Linda Graber, student council representative, class of '63. There was an outburst of laughter and applause when two ladies swim suits were won by Mr. Stan Klein. The laughter of the students increased as Miss Pearl David won the top prize of the raffle, a man's suit.

Then came the Miss Junior Day contest of which there were four applicants. The contest was judged by Professor Taffet of the Biology Department and Dr. Paul of the Economics Department. Pulchritudinous honors went to Miss Susan Abel.

Free cigarettes were given to the students by Mr. Irwin Ruttenberg of the J. T. Reynolds Co.

The class of '63 led by its able officers (Ken Schlesinger, President; Mel Pell, Vice President; Joan Farber, Secretary and Ronny Herzog, Treasurer) is to be congratulated for making "Junior Day" a success.

ROTC...

(Continued from Page 1)

at Camp Kilmer Friday night and attended a social held by St. Peter's Band for the various participating organizations.

The Corps went to sleep at about 2 a.m. Saturday, in live Army barracks, and was up at 5:55 a.m. the same day in order to get ready for the competition. The competition started at 9 a.m. with the City College Corps performing first.

After the performance the Corps was allowed to roam through the demonstration grounds. Since the temperature went up to 100 degrees, and the Corps was dressed in winter uniforms, the favorite place at Camp Kilmer was the refreshment stand where the cokes were sold by a very pretty miss called Susan.

In the afternoon, at about 3:30, the Corps joined in with the other competing Bands for a grand finale before the winners were announced. At 4 p.m. the City College Drum and Bugle Corps received its just reward, for the many hours of hard work that went into this competition, by winning first place in the Drum and Bugle Corps competition making the City College Corps National Champions.

Fee Allocations...

(Continued from Page 1)

money was to be used. The bills also must have the faculty advisor's signature.

The allocations for next term are:

Campus 15 issues @ \$200	\$3,000.00
Observation Post 15 issues @ \$200	\$3,000.00
Tech News 8 issues @ \$165	\$1,320.00
It is understood that Campus & OP may print more than 15 issues.	
Vector	\$1,000.00
Journal of Social Studies	315.00
Baskerville Chemistry Journal	225.00
AIEE-IRE	305.00
Debating Society	650.00
IFC	205.00
Hillel (\$75 for Student Faculty Dinner Tabled)	151.00
House Plan Association	1,379.00
Student Government	3,326.00
Architectural Society	91.50
Alpha Phi Omega	18.00
American Rocket Society	60.00
Beaver Broadcasters Baskerville Chem. Society	50.50
Blood Bank Council	50.00
Class of '64	125.00
Caduceus Society	80.50
City College Conservative Club	15.00
Chess Club	20.00

Democratic Student Union	17.00
Economic Society	42.00
Gamma Sigma Sigma	25.00
Government and Law Society	49.00
Italian Club	9.00
History Society	21.00
Modern Dance Society	40.00
Musical Comedy Society (underwrite)	200.00
Newman Club (\$15 for Student Faculty Communion Breakfast tabled)	98.00
Omicron Chi Epsilon	18.00
Psychology Society	41.00
Pershing Ries Co. A-8 Railroad Club	18.00
Sociology Anthropology Society	28.00
Society for Criticism and Discussion	5.00
Society of Women Engineers	20.00
Young Conservative Club	13.00
Young Democratic Club	50.50
Young Republican Club	24.00
Total	\$16,284.00

A reserve fund for emergencies and contingencies was set aside. Money was also left over for the organizations that have not submitted budgets yet, but who are expected to submit a late budget request during the fall term.

Meet the Faculty Prof. Javid (EE)

By STANLEY ALTMAN

Since 1955, City College has been fortunate to have as a member of the Electrical Engineering Department Mr. M. Javid. Professor Javid was born in Iran in 1919. After completing his secondary education there, he entered the University of Birmingham (England). Although his initial inclination was towards a degree in physics, he decided to pursue his degree in Electrical Engineering when he was informed the scholarship available to him was for undergraduate studies in this field only. As he later remarked "I have never regretted this change because of the breadth of the Electrical Engineering field."

After working in Europe for several years, Professor Javid found he disliked the pace and pressures of industry. From industry he returned to college, McGill University in Canada to be more exact. By 1950 he had received his M.E.E. and in 1956 his Ph.D. (in Communication Engineering). During his years of graduate work at McGill, Monsour, as he is affectionately known by his students, had his first taste of teaching; he liked it. Since the opportunities in the U.S. were more plentiful than

in Canada, and since part of his family resided here, he decided to come south.

Within the six and one-half years he has taught at City, Dr. Javid has compiled a rather impressive academic record. He has written a text for each course in the E.E. Analysis sequence. One text, **Analysis of Electric Circuits** (co-authored by Professor Egon Brenner also of the E.E. Department at the College), was published in 1959. Although the other three texts in (collaboration with Prof. Brenner and Mr. Brown), are presently being used in notes form, Mr. Javid hopes to have them published by 1964. When asked why he wrote the above texts, he explained "I find it easier to teach from my own texts because the books act as a complete supplement to my treatment of the course. It emphasizes what I consider important and pertinent."

A man of great drive, Mr. Javid is constantly striving to reach new goals. With his writing completed, he has found a new field to channel his energy. Under his guidance, the College has recently received money from the National Scientific Foundation for research.

Not just three sizes... but three different kinds of cars... Chevrolet!



Chevrolet Impala Sport Sedan (foreground)

Chevy II Nova 4-Door Station Wagon

Corvair Monza 4-Door Sedan (background)

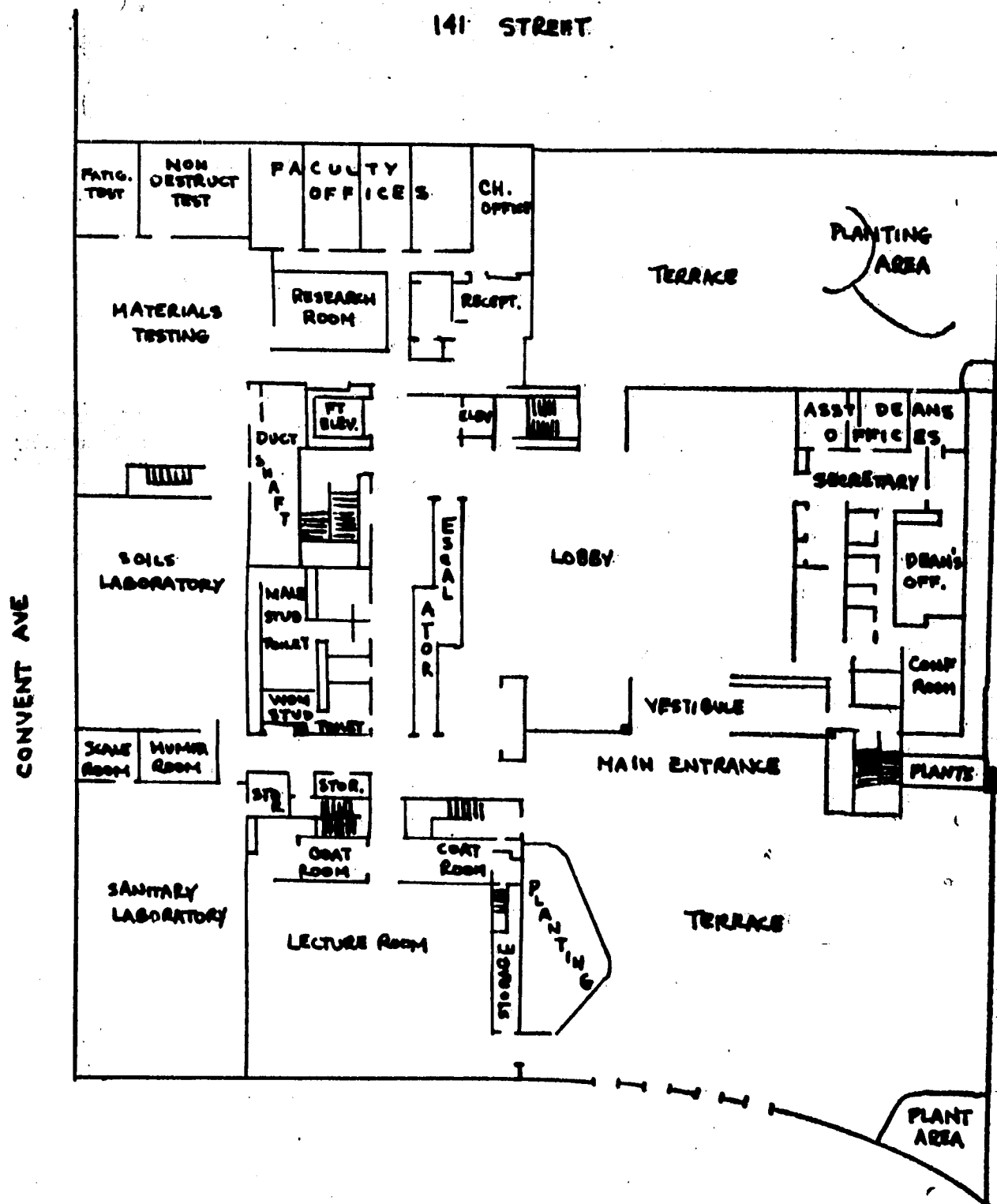
Take your pick of 34 models during CHEVY'S GOLDEN SALES JUBILEE

No look-alikes here! You've got three decidedly different kinds of cars to choose from—each with its own size and sizzle. The Jet-smooth Chevrolet's specialty is luxury—just about everything you'd expect from an expensive car, except the expense. ■ If you're thinking a bit thriftier, there's the Chevy II with practicality to do you proud.

Lots of liveliness, too, for such a low, low price. ■ Got a sporty gleam in your eye? Step right up to our Corvair for rear-engine scamper and steering that's doggone near effortless. ■ Conclusion: See your Chevrolet dealer now for the most versatile choice going and a beauty of a buy on your favorite.

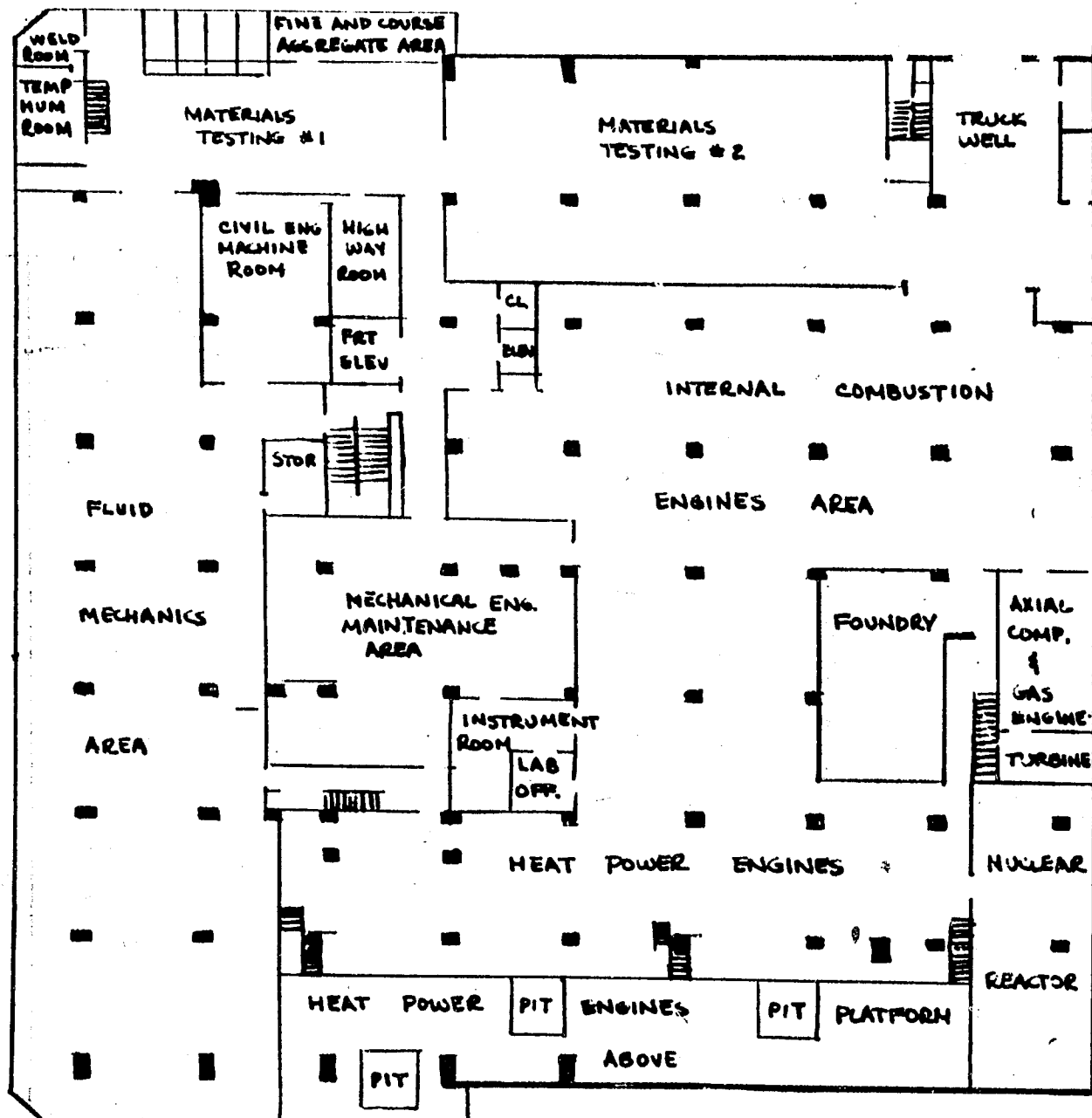


Beautiful Buying Days are here at your local authorized Chevrolet dealer's



ST NICHOLAS TERRACE

FIRST FLOOR STEINMAN HALL — Fatigue testing, non-destructive testing, CE faculty offices, materials testing lab, soils lab, sanitary engineering lab, humidity room, lecture hall, and administrative offices.



CELLAR LEVEL STEINMAN HALL — Materials testing lab, fluid mechanics lab, civil engineering machine room, ME maintenance area, internal combustion engines, foundry, heat power engines, axial compressors, and nuclear reactor.

ME Department

By ED ROSENTHAL

This fall, when the new Mechanical Engineering curriculum becomes effective, some of the most significant changes will be found to have taken place in the laboratories. Not only the content of the labs have been changed, but the entire concept of laboratory work has undergone vast revision.

The huge, noisy machines that have become a part of so many of us will be gone . . . gone not because they have become old and inefficient, but rather because they have long outlived their purpose. Testing these machines no longer provides the engineering student with the knowledge that is necessary in today's world of technology. In fact, it is that very word "testing" that is the underlying reason behind much of the change that has taken place.

Today's engineer does not make "cook-book" performance tests. The engineer, instead, must be able to design the test, choose the equipment, and evaluate the data — it is the technician that generally performs the actual experiment. It is performance testing, with specific instructions, that the department is trying to break away from.

The backbone of the new curriculum is a course entitled **Theory of Experimentation (ME 110)**. A partial description of the course syllabus includes selection of instruments; prediction of errors; experiment planning; statistical, graphical, and mathematical analysis of data; and error location. What is learned in this course will be carried into every other laboratory that the mechanical engineering student will encounter during his stay at the college.

Individuality to Be Emphasized

The most important feature of the new lab set-up will be the emphasis on decisions on the part of the student. Lab manuals, as we have known them, will be a thing of the past. As Professor Anderson (ME) put it, "For the most part, the lab instruction will be limited to what not to do, rather than what to do. We just want to be sure that the student does not blow himself up."

No longer will the entire experiment be laid out before the student with specific instructions. The individual performing the experiment will have to decide what instruments must be used (e.g. range, accuracy, etc.), how many runs to make, how long the runs should be, and what errors to expect. Also, lab reports will be changed considerably. In many courses the bulk of the work will be done by the student before he comes to class. The lab period will be spent collecting data, evaluating it, and handing in some sort of a summary. One instructor in the department, in realizing the importance of report writing, would like to administer some sort of examination to the students at the end of each lab period.

Another significant feature of the new laboratory work will be the flexibility of the syllabus of many courses. In the fluid and thermodynamic areas for example, the number of hours devoted to lecture and lab may vary from week to week. Also, because many of the experiments will be so basic, they may be varied from semester to semester as the instructor sees fit. Another worthwhile change will be having the same instructor

for both the lecture and laboratory.

In every case, regardless of the particular area (i.e. fluids, thermo, production, metallurgy, etc.) the experiments have been designed to thoroughly ground the student in basic principles. Specifically, in thermodynamics there will be theory experiments, and experiments to determine the specific heat of a gas and to illustrate Charles' and Boyle's Laws. While all of these will be performed by the student, there will also be **demonstrations** of internal combustion engines, air compressors, steam engines and nuclear reactors, to show in operation, the principles learned in the classroom.

Fluids Lab

The fluids lab will include experiments designed to illustrate the principles of the conservation of mass, energy, and momentum. There will also be experiments that will show the characteristics of fluids through nozzles and orifices. The student will make investigations of the boundary layer phenomenon and adiabatic and isothermal flow of fluids in ducts. There will be demonstrations of Schlieren and Interferometer techniques. Perhaps the most exciting new apparatus in the fluids lab will be the 12 inch subsonic wind tunnel and the Mach 2 supersonic wind tunnel.

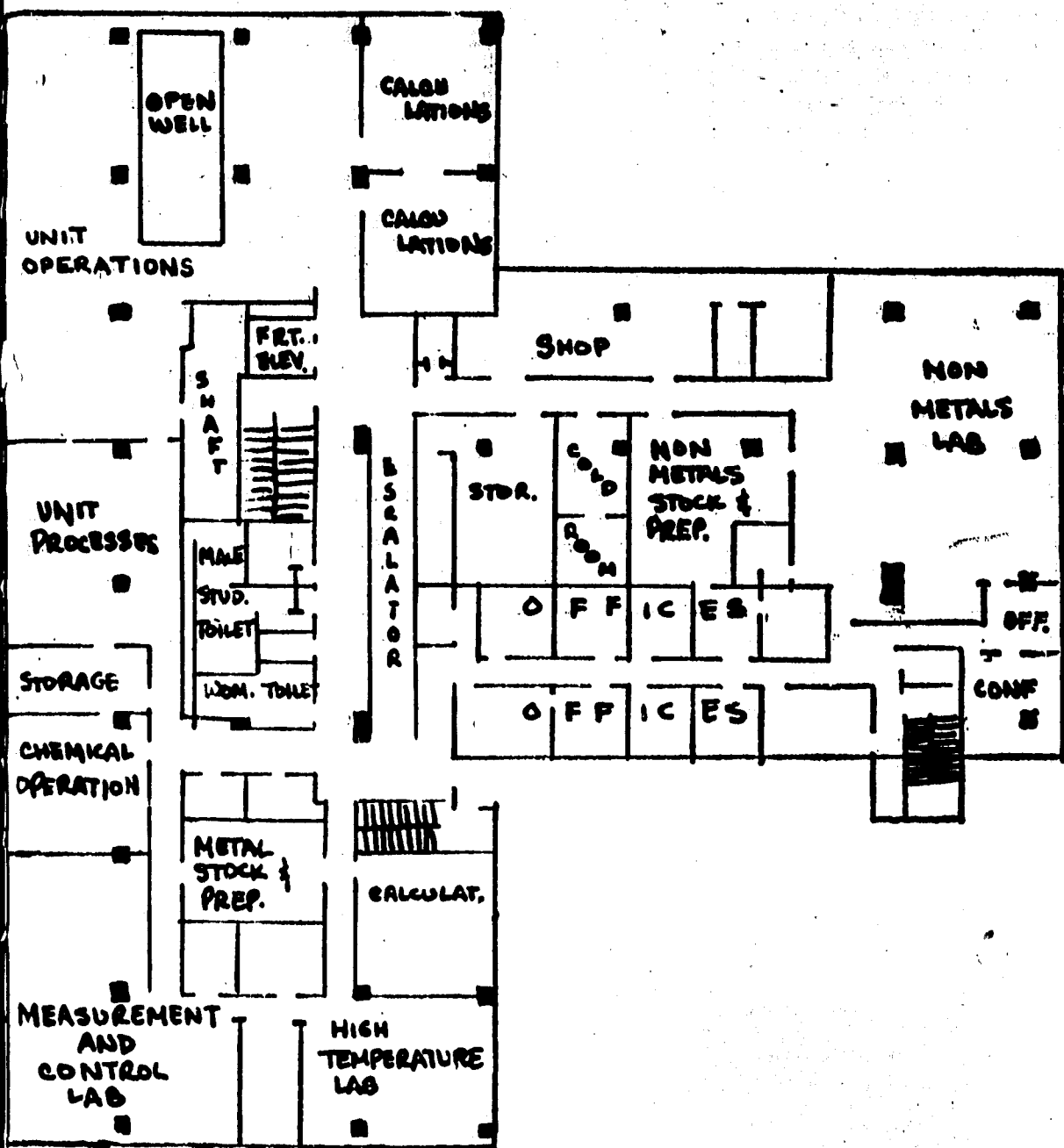
Metallurgy Lab

Moving out of the fluids and thermo labs into the metallurgy and production labs, one will find the changes to be equally as drastic. As is the case with the rest of the department, experience has been the best teachers. It is now realized that much of the subject matter of many courses has been overemphasized, while other matter has not been emphasized enough. Courses have been altered so that the unnecessary material has been omitted allowing more time to be spent on the more valuable material. It is the general consensus of opinion within the mechanical engineering department that the importance of material investigation cannot be overstressed. For this reason the M.E. student will now take two semesters of metallurgy rather than one. As with the old metals course (ME 208) there will be microscopic investigations of specimens, but the lab work has been extended to include the many new experiments and demonstrations. A new machine has been purchased that is capable of working with anything from single crystals to larger polycrystalline materials. It has a 10,000 pound capacity for tension and compression tests and can do cyclic loading to investigate hysteresis effects. There will also be a small rolling mill to study plastic deformation of metals. The department also plans to have X-ray diffraction equipment and other modern apparatus such as more precise temperature controls for the preparation of specimens. In the lab the student will also study heat treating processes, precipitation hardening, and the influence of grain size on material strength.

The student who selects a new elective course in production will be introduced to modern forming methods such as explosive forming, chemical milling, and the application of numerical control to machine tools. Also covered in this course will be work methods and time measurement as related to basic pay for human labor.

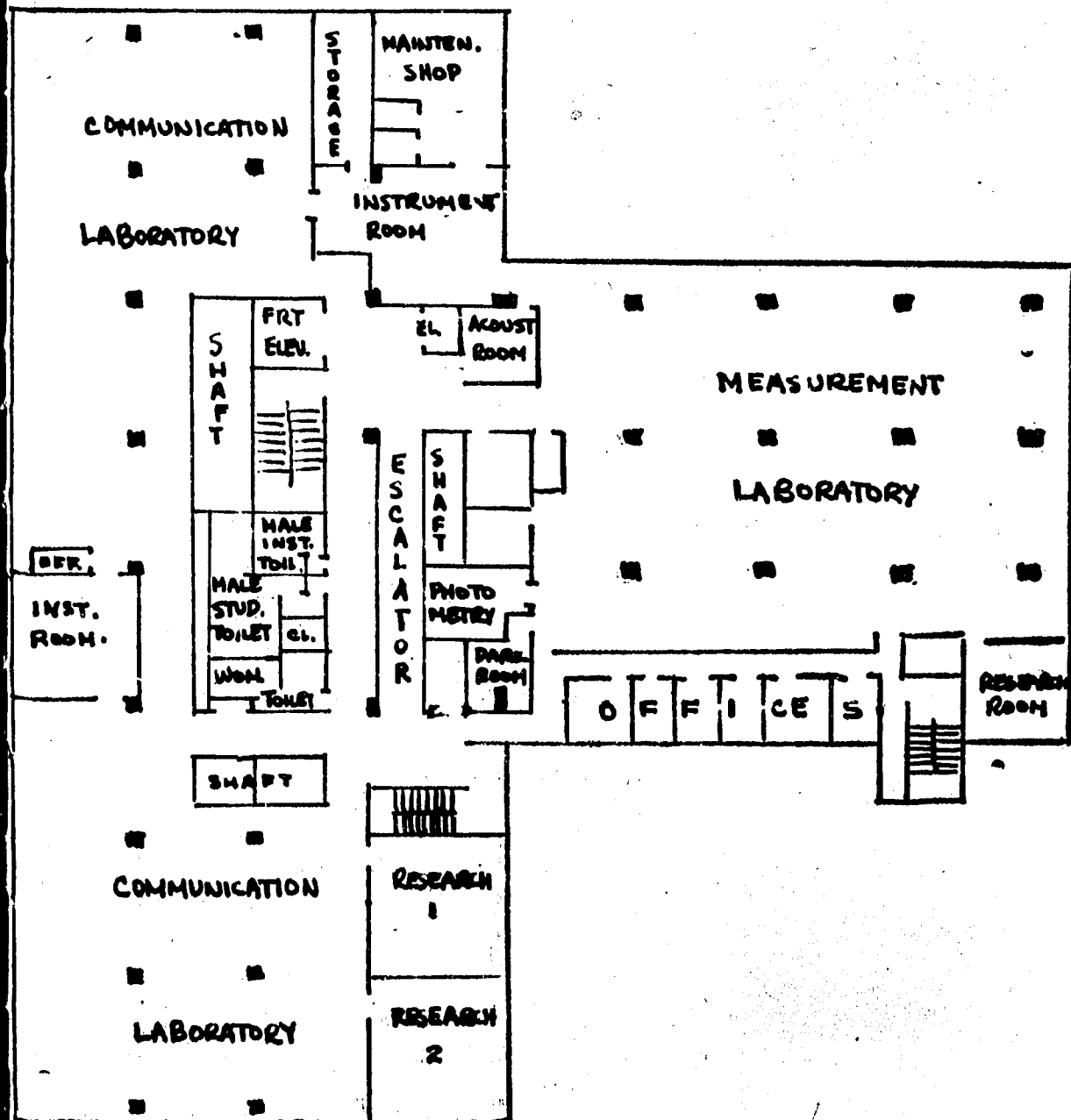
The foregoing tells only part (Continued on Page 7)

141 STREET



ST. NICHOLAS TERRACE

THIRD FLOOR STEINMAN HALL — unit operations lab, unit processes lab, measurement and controls lab, high temperature lab, calculating rooms, cold rooms, chemical engineering offices, and non-metals lab.



FIFTH FLOOR STEINMAN HALL — communications lab, instrument rooms, maintenance shop, photometry room, research rooms, acoustic room, measurement lab, and EE faculty offices.

Steinman Hall...

(Continued from Page 6)

ChE Department

By MEL PELL

of the ME story. The mechanical engineering curriculum is new from the ground up. The changes that have been made puts the College quite a bit ahead of the other schools, according to Prof. Anderson. The Professor continued, "We are more in line with current engineering practice now. We are going to prepare the City College engineer to cope with situations not specifically encountered in the classroom. Our engineers, above all, will be able to think when they go into industry."

Professor Steinhauser expressed much the same sentiments. "I am glad the change has come about. It represents a tremendous amount of work, and there will be more to come. The new curriculum will provide the student with the stimulation needed for proper learning. The majority of us wanted to make this change. There are new areas of need for the mechanical engineer and he must be prepared for them."

Perhaps the change was best summed up by Prof. Avallone, "The new curriculum represents a change from the static past."

Moving into Steinman Hall will involve dropping three Chem. E. labs for three new ones. To be dropped directly are: Chem. E. 170 Industrial Electrochemistry and Pyrometry. Theory of electrochemistry and the principles of electrolysis. Chem. E. 182 Physical Metallurgy and Metallography. Theory and practice of alloying, heat treatment, and fabrication of metals. and Chem. E. 246 Fuels and Lubricants. Properties, evaluation, and utilization of power generation materials; nuclear fuels, coals, fuel oils, gasoline, gas, and lubricants.

Unit Operations

The two unit operation labs, Chem. E. 260 and Chem. E. 262, will get new equipment to supplement the regular experiments on filtration, drying, fluid flows, absorption, distillation, etc. To be added are a liquid extraction column, tray drier, and ion exchange column. The department has also designed a fluidized bed unit which will be built next term.

According to Professor List, the improved facilities will bring more flexibility to the labs, with less duplication of the same experiment by different squads.

EE Department

By MIKE BUCZACZER and OLLIE ROSENGART

Nearly a half a million dollars worth of new electrical equipment will go into use in September when the new Electrical Engineering laboratories open up in Steinman Hall. This new equipment will considerably alter the present methods of performing experiments, as well as the actual layouts of the labs.

In most of the lab courses, at the present time, the shortage of equipment means that only one squad at a time can do an experiment. The squads rotate each week and the result is that each squad does the experiments in a different order. This is not considered a good system because many squads wind up doing an experiment before they have learned the theory behind it in recitation. Eventually, in the new Tech building, this situation will be corrected and all squads will be able to perform the same experiments at the same time.

The machinery labs have completely new pylon boards, a new main board, and new table boards. A number of new motors, generators, meters, and oscilloscopes (DuMont - Type 401BX) will also be put into use. A new feature of the main board is that it has voltage, current, and frequency meters in it.

In EE 152, which will be in a room with 154 about six times the size of the present EE152 lab, a table board will be used for experiments 6 and 7, Magnetic Reactors. The board will contain the complete circuit, which at present has to be wired up by the student. Eventually five such boards, built by the chief electrician of the power labs, Fred Boehr, will be put into use. As anyone who has taken the course will testify, this is quite a feat.

The abundant fluorescent lighting, enormous view, fresh air, and pleasant pastel colors of the new labs may help the results, too.

The new Principles of Metallic Behavior lab, Chem. E. 181, will share approximately 1/3 of the fourth floor the E.E. Dept. It will emphasize fundamentals and theory. It will teach the theory of properties of metals and alloys in terms of atomic structure and physicochemical principles. Experiments will be revised to reflect the new emphasis. New equipment will include increased optical equipment, hydraulic press, high frequency furnace unit, swaging machine, and an X-ray diffraction camera.

Nonmetallic Materials Lab

Another new lab will be the Nonmetallic Materials Lab, Chem. E. 168, which will be the lab course for Chem. E. 167. The lab will teach the preparation and testing of high polymers and the effect of molecular structure on their physical and chemical properties. New equipment will include glass polymerization kettles, 2 rubber rolling mills, 2 hydraulic presses for molding operations, an injection molding machine, extruder, and X-ray diffraction equipment. An "Instron" testing machine has been purchased for the physical testing of materials.

An analog computer that works on air instead of electricity is the pet of the instrumentation lab, Measurement and Control of Process Variable. It operates on compressed air whose pressure is a sine wave function and can operate the pneumatic controls of a chemical plant.

Students will study the calibration, and speed of response of various sensing instruments and pneumatic, electronic, and electro-hydraulic automatic control systems. Use of an analog computer and frequency control analysis will also be integrated into the course. Three large tanks will be used for a liquid level system which requires feedback control.

Slants on Sports

by Marv Chasen

ALL-SPORTS NITE

On May 16, the 17th annual City College All-Sports Nite dinner honoring the college's undergraduate athletes was held in the Prince George Hotel in N.Y.C. The dinner, sponsored by the Alumni Varsity Association and the Alumni Association of the City College gave tribute to the more than two hundred varsity athletes who participated in the various sports that make up the athletic life of the college. Guest speakers included president of the college Dr. Buell G. Gallagher, and Dr. Gustave G. Rosenberg, chairman of the Board of Higher Education. The toastmaster was Clifford A. Anderson '22 and the guest speaker was Benny Friedman, Director of Athletics, Brandeis University. The Alumni Varsity Association representative was Leo Klauber '23 and the announcement of Awards was made by Albert Ragusa '50.

The basic award given to the athlete who has competed for a team is the varsity letter, major or minor, depending upon the extent of his participation. However, a number of individuals were paid special tribute in the form of trophies in recognition of the special job they had done in furthering the athletic esteem of the college. Thirty-four of these trophies were awarded and a number of men won more than one award.

The Ben Wallack Memorial Award of the Class of 1913 (outstanding athlete award) was given to Andre Houtkruper, an All-American soccer player, although I'm sure that Vito Mannino of the Fencing team must have been a close second as he too made All-American. Both John Orlando of the Lacrosse Team and Tor Nilsen of the Basketball Team walked off with three awards each which must have made them both pretty happy men.

To give the student body of the college an idea of why an All-Sports Nite dinner is given to honor the athletes, a list of the honors that the various teams have brought to the school is given below.

Championship Honors

The athletes of The City College by their achievement have brought recognition to their Alma Mater by winning or placing in the following leagues and championships.

1. Metropolitan Intercollegiate Soccer Conference. Co-Champions — 1st place tie; All American Selection — Andre Houtkruper.

2. Metropolitan Intercollegiate Rifle League — 3rd place; Individual League High Average — 3rd place; National Rifle Association Section Championship — 1st place; National Rifle Association Section Championship High Individual — 1st place; St. John's Invitational Championship — 4th place; U.S. Coast Guard Invitational Championship — 6th place.

3. U.S. Intercollegiate Lacrosse Association (Northwest Division) — 1961 — 2nd place.

4. Eastern Intercollegiate Fencing Championship: Foil Team — 4th place; National Intercollegiate Fencing Championship; All American Selection — Vito Mannino; Foil Team — 5th place; Sabre Team — 9th place.

5. Metropolitan Collegiate Tennis Conference (1961) — 2nd place; Metropolitan Doubles Team Championship (1961) — 1st place.

6. Metropolitan Intercollegiate Wrestling Conference: 147 lb. Class — 2nd place; 137 lb. Class — 3rd place.

7. Municipal College Swimming Championship—2nd place; Metropolitan Intercollegiate Swimming Conference — 6th place.

8. Tri-State Collegiate Basketball League — 5th place.

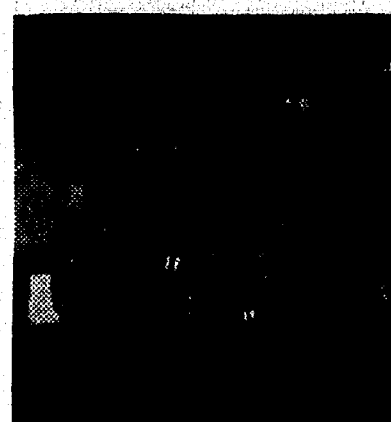
9. Collegiate Track Confer-

HKN Holds Semi-Annual Induction Night

Eta Kappa Nu, the E.E. honor society, gave its semi-annual induction dinner at Rosoff's restaurant this past April 28th.

The evening started in a serious vein with the initiation of 18 students and two faculty members into the organization; however, the mood of the evening quickly changed as the dinner got under way.

ence: Cross Country (1961) — 1st place; Outdoor Track (1961) — 5th place; Indoor Track (1961-62) — 1st place; Penn. Relays (1961) — Class Mile Relay — 1st place; Sprint Medley Relay — 2nd place; CTC Relays (1961-62) — 3rd place; Municipal College Championships: Cross Country (1961) — 1st place; Outdoor Track (1961) — 1st place; Indoor Track (1962) — 1st place.



HKN Inductees

As the evening progressed, several awards were presented. Prof. Lionel Echtman (past corr. sec. and treasurer) received the HKN faculty award, and Edward Holmes, an evening session student at the College, received an award for outstanding service to the chapter; this hon-

or has never previously been given to a member while still an active undergraduate.

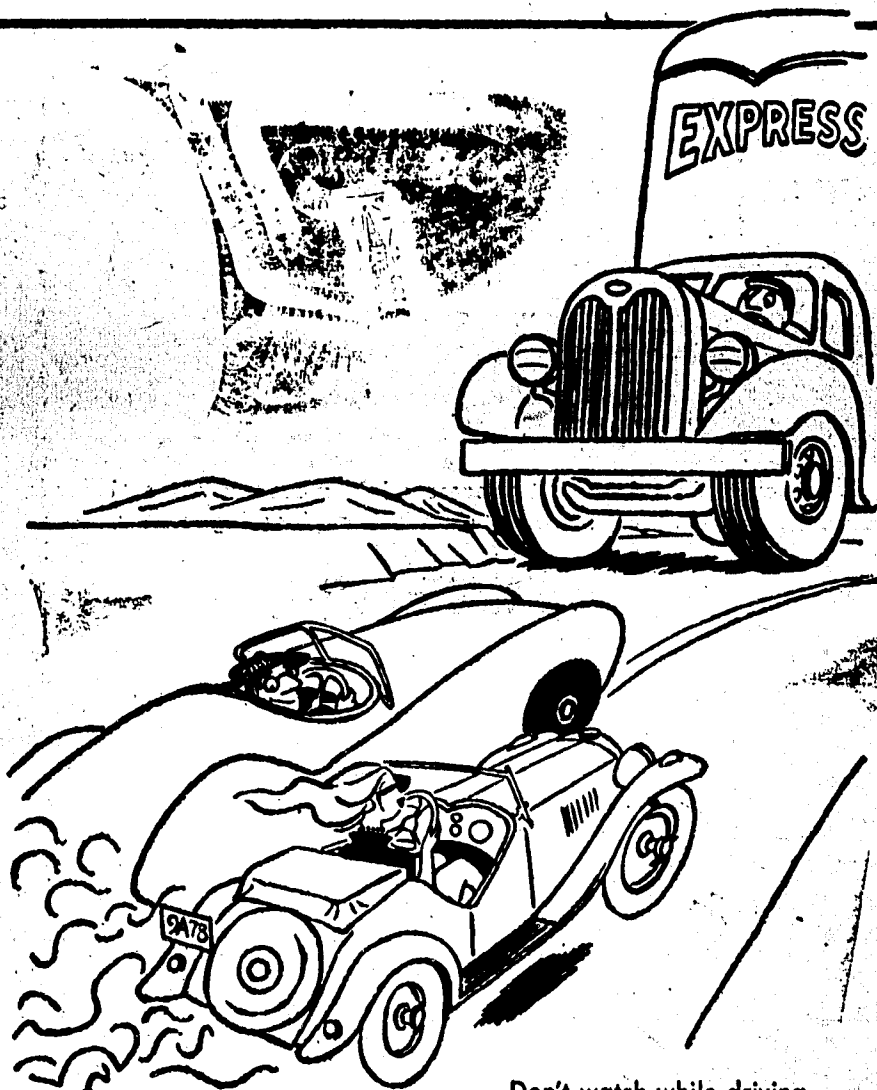
The Historian Scrapbook was unveiled that evening. Many people did not believe it would be done, but after much preparation and planning HKN-Beta Pi will be able to look back at the accomplishments of the "good old days."

At about 11:00 the time for the pledge show at last had come. The pledges were nervous, the members were apprehensive, and even the pledge master was a bit scared; but all went well (as it always does) and some good laughs were had.

The remainder of the evening saw couples on the dance floor people enjoying good conversation, and it can be said that good time was had by all.

Girl Watcher's Guide

Presented by Pall Mall Famous Cigarettes

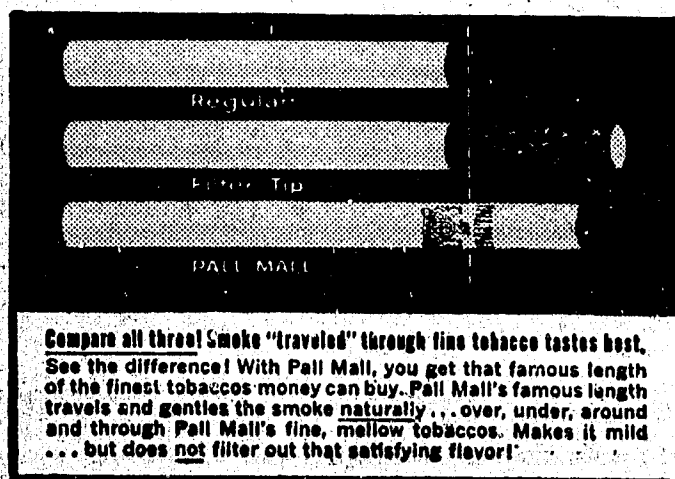


Don't watch while driving

LESSON 13 - A few "don'ts"

Now that we have learned the *how* of girl watching, let's consider a few safety precautions. They are presented, not as strict rules (since some experts with highly developed eyeball control enjoy watching while running the high hurdles, for example), but merely as friendly suggestions. 1. Don't watch while driving. 2. Don't watch

while drilling teeth (dental students only). 3. Don't watch while removing tonsils (medical students only). 4. Don't watch while mixing chemicals in the lab. 5. Don't watch girls who are engaged to the captain of the football team. Our final suggestion is a *do*, not a don't. Taste Pall Mall — so smooth, so satisfying, so downright smokeable!



Compare all three! Smoke "traveled" through fine tobacco tastes best. See the difference! With Pall Mall, you get that famous length of the finest tobaccos money can buy. Pall Mall's famous length travels and gentles the smoke naturally... over, under, around and through Pall Mall's fine, mellow tobaccos. Makes it mild... but does not filter out that satisfying flavor!

Pall Mall's
natural mildness
is so good
to your taste!

So smooth, so satisfying,
so downright smokeable!

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"Tobacco is our middle name."

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