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CITY COLLEGE OF NEW YORK

VOL. XXI — NO. 7

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WEDNESDAY, DECEMBER 23, 1964

STUDENT FEES

#### n up at Plan New Center | Computer of the Comp For Klapper Site

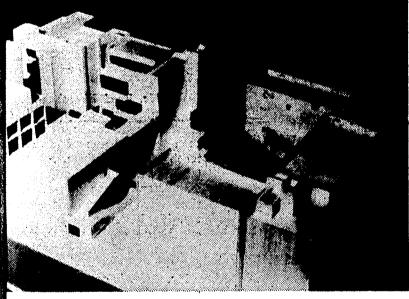
By ARTHUR LANDSMAN

A facility for "meetin and eatin" is now in the planning age to be constructed on the present site of Klapper Hall and the area behind it. The site runs from 135th to 136th reeets between Convent and Amsterdam avenues. Accordg to plans of the City Planning Commission this area is ated to be purchased by the City for the college's use in the ear future.

is Students Commons was ang and Deans of the Architecre Department. The fourth and present setup. th year design students were signs for the use of the colge in future planning. The pro- top s, cafeterias, lounges, exhibi-

tion spaces, and conference areas. A program of requirements for One very interesting addition would be space for housing disawn up by Professors Halaz, tinguished guests of the Collegea facility sorely lacking in the

A jury of faculty members of en asked to develop workable the Department of Architecture and members of the College's. administration, including am of requirements included President Gallagher, Deans Allan panded student-faculty facili- and Blaesser, in viewing and (Continued on Page 4)



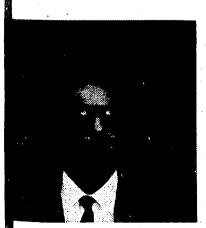
Structure designed by Enoch Lipson

## Faculty Profiles Ch. E. Department

This term four new teachers have joined the Chemical ngineering Department faculty, one Professor, one Assistant rofessor and two lecturers.

The new Professor is Dr. Reuel Shinnar. He teaches hermodynamics and Material Balances on the undergradate level and Fluid Particles on the graduate level. He ceived his B.S. at Technion, the Israeli institute of techology and his Ph.D. at Columbia in 1957. He then returned Israel and taught at Technion until 1962.

Professor Shinnar spent the Research Fellow. He has written two years working in the ggenheim laboratory for Aeroace Propulsion Sciences at inceton University as a Visiting



Professor Reuel Shinnar

14 books, including "Heat Transfer Stability Analysis of Solid Propellant Rocket Motors" published in 1960 and "Ignition of an Evaporating Fuel in a Hot, Stagnant Gas Containing an Oxidizer" which was published this year. He is interested in polymer science and teaches it on the undergraduate and graduate level. He enjoys teaching and says he "plans to stay academic."

Dr. J. Williams received his B.Ch.E from Lehigh University and his M.Ch.E. and Ph.D, from Case Institute of Ohio. He worked for Sylvania Electric Products doing research in organic coatings. He hails from New England

(Continued on Page 2)

## To Plan **Programs**

Your College program may soon be worked out on by IBM computer. The Registrar's office at City College has begun negotiations with Dr. Ming L. Pei for the use of the IBM 7040 computer to work out student schedules.

The College has been using a complex of key punchers and sorters which together form the IBM 407. This has been described as mainly an "accounting machine." Without this machine, which is housed in the Administration building, "several more persons would be needed" at the Registrar's office, to aid in programming.

The 407 is used to coordinate student records, for statistical reports and end of term grades, and to supply a roster of students in every course and section to the department heads.

Use of the 7040 will begin "from six months to two years" from now. This machine can add two eleven digit numbers in 16 micro seconds. It can multiply two eleven numbers in forty micro-

The computer may be used by any member of the City University. The school was given a 60% educational allowance towards the cost of the 7040 by IBM.

"Ye Olde Computation Center" is at T4 in Stienman Hall and the 7040 is housed in rooms 2 and 3.

A course in Elementary Programming is being given in five lecture sets. This successful course, attended by faculty as well as students, leads to student problem. There are no prerequisites for the course.

error.

--- Snyder

### S.G. Race Decided; Football Team In

By RICHARD ROSENFELD

In one of the largest voter turnouts ever recorded, the student body of City College overwhelmingly voted to have a football team. Also passed by a vast majority was a provision clarifying the procedure for placing a referendum on the ballot.

Over 2,500 students turned out | call for a referendum. for this off-term election, which according to past history, should have seen less than half the number of votes cast. The two referendum seemingly were the necessary stimulants.

The motion on the ballot asking students whether or not they would be willing to have a 50 cent charge added to their student fees for the purpose of supporting a football team received 2,219 yes votes as opposed to 346 no votes.

The second referendum concerned the qualifications necessary for a proposal to appear as a referendum on an election ballot. The motion which was approved 2,147 for, 219 against states that 10% of the student body be the first step on the road back

The election also saw the seating of four new council members. (not including the six members to be seated from the class of '68, whose seats were still in dispute at press time). The new councilmen are: Steve Cagan '65, Florence Skernick '66, Saul Shapiro '67, and Mike Sigall, councilma nat large.

The large vote seems to indicate that the much discussed apathy at City College can be cured by finding issues which are of interest and importance to the majority of students. The football team is such an issue. Hopefully the team may soon become a reality. It may possibly signing a petition is sufficient to to real spirit at City College.

#### Interviews Completed In Record Number

BY EDWARD SMITH

The City College Placement Office has recently completed its Fall on-campus job recruitment interviews. According to Mr. Charles Meyer, Assistant Director of the Placement Office, the results of these interviews promise to turn out to be quite fruitful.

The operation performed was a mammoth one. In all, 2815 interviews were arranged by the Placement Office. With few exceptions, these interviews were solely for the January engineeruse of the computer for a sample ing, architecture, and science graduating classes. The recruitment was carried out in 32 days pated success of this term's re-To coincide with the mad lan- by 228 interviewers. They repre- cruitment drive, however, is based guage used by the computer, is a sented 112 companies and governdevice to inform users of the ma- | mental organizations, which chine when they have made a range in size from the Bell Sysmistake. The 7040 is programmed tem to Chronetics, a small firm to print a picture of Alfred E. employing about 40 people, and Newman, the "What Me Worry" in diversity from the Central Inkid, along with the computed telligence Agency too the Smithsonian Astrophysical Observa- should offset the shortage of hir-

No concrete information on the results of the program have as yet been obtained. This is due to the fact that most of the students are still in the process of finishing trips to plants and considering offers, and few have accepted any offers as of this time. The anticion two factors. The first is the stature of the graduating class. Mr. Meyer cites this class as exceptional and one of the best he has seen. The other is the increase of Job opportunities afforded by commercial companies, which (Continued on Page 4)

((( SEASON'S GREETINGS ---- THE EDITORS AND STAFF OF TECH MEUS ))))) 



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Phone: 234-6500

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#### *Balance*

Recently Dean William Allan (Engineering and Architecture) said that engineering students should not "go out of their way" to participate in extra-curricular activities.

Dean Allan justified his point of view by stating that (a) engineering studies are very demanding of a student's time; (b) a man should not be forced into doing something he does not feel inclined to do; and (c) the development of the whole persons will not take place in the college alone.

We do not feel that studying is all that a college student should do, even if it is all that he wants to do. We believe that every student should have, or develop, interests outside of the academic area. We further believe that college is the place best suited to the development of such interests, and that if a person has to develop them after he leaves college, he will be at a serious disadvantage.

We know that engineers often tend to be rather introverted individuals. We also know that an engineering student need not spend all of his free time studying in order for him to be academically successful. It is sensible for a person to strike a balance between academic and social life and to avoid being trapped in one or the other extreme position. If a student finds that he is spending all of his time at his studies and none of his time in some extra curricular activity, we believe that he should then make a determined effort to join a non-academic campus organization, in order to achieve a better balance in his life.

Those students who are graduating this term have already learned the lesson that grades are not enough. Important, yes. But not enough. Most companies are looking for a well-rounded individual, and are not enthusiastic about men who have spent four or five years in college without having been active in some campus organizations.

While it is true that some "bookish" individuals will succeed, they will rarely reach the limit of their true potential, and may never be truly happy with their lives.

We feel that Dean Allan is not correct in saying that engineers should not force themselves, if necessary, into joining campus organizations. Participation is necessary for being relatively well-rounded, and this, in turn, is necessary for an individual's success. Hence participation is necessary.

#### $\pmb{E.S.S.G.}$

Dr. Martha Farmer of the Department of Student Life has recently been the victim of an organized conspiracy of slander. We feel that the only thing Dr. Farmer is guilty of is promoting a friendly atmosphere in Evening Session extracurricular activities. She works to make Evening Session College life more enjoyable for the students.

It is unfortunate that some students are devoted to the vice of having power over their fellow students. And it is also unfortunate that Dr. Farmer will not tolerate this in the area supervised by the Department of Student Life. Something must be done about the unrepresentative and undemocratic evening session student government.

That Dr. Farmer is being criticized for taking action only shows that the vested interests will not give up without a fight.

#### Inquiring **Technographer**

By PHIL BURTON QUESTION Do you think there should be a code of dress on campus? Where asked: Finley Hall.

Eric Levinson, Lower Soph Physics. As far as a code of dress goes, in a limited sense I am for it. I wouldn't want to have to wear a jacket and tie every day. However, it is a sensible idea to prohibit the wearing of paintsplattered dungarees. Excessively sloppy dress speaks poorly for the school.



Jerrold Gross Eric Levinson

Jerrold Gross, Upper Freshman Political Science. I don't think one should be imposed on the is not taking full advantage of students. I've never seen an indecently dressed person on campus; and I don't think I will. Most of the students have good taste in clothes. I feel that if I want to is a college, not a junior high treated with common sense as adults, not children.

Robin Shaikun, Lower Soph, English. No College students should not be subjected to a mode of dress; it would be an insult to their dignity as members of the adult community. An office worker is not told what to wear but is automatically expected to use good taste. By the same token, a college student should. It is an unfortunate aspect of human nature that such freedom is taken advantage of by many students.



Robin Shaikun Laima Minkunas

Laima Minkunas, Lower Soph, Art. No, I think that once a person is in college he should be old enough and mature enough to decide the right way to dress. A code of dress would make the people adhere to one standard of dress. College years are the time when a person should be an individual. He expresses his individuality and creativity by his choice of clothes. Maybe the reason I am saying this is because I am an art major. Anyway, around the college I've noticed that most people dress appropriately; so why enforce a code of dress? It isn't necessary.

Lynne Gassman, Lower Junior, Art. Definitely not! As adults College students should not be limited in their dress. Society imposes a code of decency which in the past has proved to be sufficient on campus.



Wassner Lynne Gassman Trudy

To the Editor:

I must take exception to the opinions expressed by Dean William Allan in his interview with TECH NEWS.

Whereas an engineer is concerned primarily with concepts rather than people in most of his endeavors, he is also a person and must be capable of dealing with people for the rest of his

An engineer in our society is judged as a citizen by his relationships with other people and his conduct among people. To say that an engineer should not be concerned with people is a very narrow attitude.

The College community is a place where development of the whole person must take place. To deliberately restrict one's development by not taking part in student activities is detrimental to the individual. Such a person the opportunity available to him at school.

As an engineer who has been active in both technical and nontechnically related activities, I come to school in my fraternity feel that my time was equally sweatshirt and dungerees, I | well spent in both. I would enshould be allowed to do so. This courage an engineering student to join activities outside of his school, and its students should be field specifically to develop that part of his person which is not being developed inside a classroom.

Sincerely, Herbert Geller B. E. (E.) '65

Dear Sir:

It seems apparent, by the "Inquiring Technographer" column in your recent issue, and by the general climate of opinion that exists at City College, that a horrible, sickening apathy has try. He believes that industr crept upon us and has left an almost indelible stain upon yourselves, and the student body in general.

Phil Burton's question about SG's right to act upon the plight of Soviet Jewry was bviously a successful attempt (I have no reason to believe that you would print answers, all of the same vein, if opinion was not unanimous) to prove that our student body doesn't give a darn about anything beyond their own narrow worlds of indifference and material desire. The fact that our whole student body contributed to the recent Fast For Freedom only one-sixth the funds our tiny brother, Hunter College, donated, is evidence that this apathy extends to all important issues, not just the Soviet Jewry question.

I extend my hope to you, that your publication, other Campus publications, and students in general, will learn to realize that we cannot live within our own little shells, but must extend our hands to the courses of human justice, and know, all of the time that this is one of the essential duties of "Students as Students."

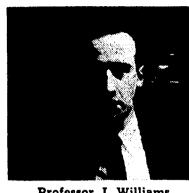
> Sincerely yours, Jeffrey Levinton '66

Trudy Wassner, Lower Freshman, Liberal Arts. No, I don't think that there should be any restrictions whatsoever on student dress. If a student want to come casually or formally, it's his or her prerogative. The lack of restrictions makes City's dress interesting. Besides, everyone will be subjected to restrictions once Only 50 tickets will be sold, or As Mr. De he leaves college.

#### Profiles...

(Continued from Page 1) and has been in New York f only six months. He likes bo New York and City College. H is unmarried.

Mr. Fred Krambeck, a lecture received his B.Ch.E from Ci



Professor J. Williams

College in 1963. He is now wor ing for his doctorate at City Co lege. He teaches Thermody amics 2, Unit Operations 1, ar Unit Operations Laboratory 1. H worked for about two and a ha years at Westinghouse Atom Power Division. He is marri and has an infant son.

Martin Sherwin graduated from City College in 1960. He works



Mr. Fred Krambeck

as a process development gineer for Scientific Design as then took a leave of absence teach at City College. He enjoy teaching more than he thought would, and plans to teach pa time when he goes back to indu experience enables a teacher bring more knowledge to st

Mr. Sherwin earned his M.Ch at Brooklyn Polytech and is pre



Mr. Martin Sherwin

ently working towards his do h he was o torate. He was married last Japs in the desi uary. He teaches Thermody ns' complex amics, Unit Operations Labor one structur tory, Undergraduate Thesis, and completely supervises plant trips.

The AI AA, ASME, SAE spo sored trip to Pratt & Whitnes as been made Aircraft, Division of United Alish to the s craft Corporation, Windsor Lock and Rudolph Connecticut will take place the he hard she coming Monday, December Students who have signed must be in front of Shepard Ha on Convent Avenue, promptly 645 a.m.

Students interested should comper sought sult the Mechanical Engineerical creating bulletin boar din Steinman Harary window first come basis.

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Charles Edd Chaux de in 1887, the

death of R tist, then a c s and uses a nter Center **— Aliman** The basic 1

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By ENOCH LIPSON

part of the twentieth cen- is visible on Steinman Hall. was in a state of flux. The

ough never really more politan capitol. For its new ngs the rising industrialists not the light, easy, Repubstyle of Bullfinch, nor the f Imperial Rome. The homes e rich became palaces, and banks, temples.

s presumption, this ostentaed surprisingly by McKim, Vhite, two of Richardson's ts, lasted until the depresrought reality.

ost-War Boston, the center tural power has returned the banks to the universi-And the universities have that power well.

on, from the 1800's to the made it work." The usual result

Work of this nature does create had recovered from shock problems. Does a piece of sculp-Civil War and had begun ture fit into a tight urban environablish itself as a world ment? Certainly the setting of The development of the Carpenter Hall at Harvard is not n territories aided the entirely appropriate. However, expansion of markets, man- greatness excuses faults that ring, and trade. Briefly, at would be insupportable in mediop, the money was pouring crity. The danger is that others, always, the nouveau riche copying, will recreate the faults ways to display their without attaining the greatness.

Harvard is on a building spree, with construction all over Camprovincial city surrounded bridge. Some of the building are, iversities, Boston delighted and others will be, good and ying the part of the urban, strong, but one might wonder whether they are worth the visual chaos which is erupting.

M.I.T., a mile or two away, is holding to a tight, master plan. ve and muscular forms of Their design, unlike most of rdson, but rather the build- modern Boston, remains classical, following in the tradition of their older buildings. The new designs are crisp, orderly, and machine like. The facades are regular and repetitive. Even Mr. Saarinen, whose Yale structures were so free and moving, seems to have been bound almost to the point of inadequacy. In 1950 to 55 he designed and built a chapel and auditorium which stand isolated on a large open plaza. Saarinen said a few years later, "I think the dome and chapel can be criticentral figure in the new cized as being too egocentric. The ectural resurgence is not an shapes of the buildings are closed. ican, but a French citizen They do not contribute anything

Saarinen's Chapel at M.I.T.

Charles Edouard Jeanneret area which so badly needs unity. Chaux de Fonds, Switzerin 1887, the year following leath of Richardson. First tist, then a critic and writer, finally an architect, he still is and uses all his skills. Alds his doth he was one of the major of last Jacks in the design of the United thermody ms' complex in New York, ns Labor one structure in the Amer-Thesis, and s completely his, Harvard's where. enter Center for the Visual ete, plain, raw, and unfinishhe marks of the plywood still show, puntcuated by ots of the snap ties. No ef-& Whitn as been made to add texture United Allish to the surface, as Saarindsor Lock and Rudolph did at Yale. It is he hard shell of the lobster, skin and structure. The ng has no definite form or no inside or outside.

s flow through and back in

Le Corbusier. Corbu was toward creating unity within an

The chapel, with many admitted faults, is still a delightful little structure of rough, burnt brick. It springs on slow arches from a shallow pool. Light, reflected from the surface of the water, bounces under the arches and up, forming mystic patterns on the interior. Few small rooms attain as religious an atmos-

Across the river, in Boston - Aliman The basic material of both proper, construction of the heart ure and walls is reinforced of the urban renewal project, the Government Center, has already begun. The master plan was done by I. M. Pei, but the individual buildings by other architects. A competition was held for the major structure, the rather rigid program written by Mr. Pei. The design, which was to fit inside a given envelope, will dominate a plaza surrounded by office buildings. The winning design by three young architects, Kallman, Mcus strip fashion. Where the Kinnell and Knowles, is a rectanher sought to allow in light gular building arranged about a Engineerical ut creating the void of an central court. The public functions inman Harry window, he used glass are at the base or plaza, impore sold, on As Mr. Donald Dixon has tant offices, such as the mayor's 'No one but Corbu has ever hang above that, while general

and holding it together. Structure and facade are of exposed, reinforced concrete; the plaza and the steps upon it are of brick. The building hums with the monumentality so evident in the work of Corbusier. The treatment of the facades, the high, deep sheer walls, and the close pattern of the upper floors are very much his. The new Boston City Hall facade echoes Corbu's great High Court at Chandigarh (1951-56), while the proportions of the structure are reminiscent of the monastery of the City Hall will use space La Tourette, Eveux France (1956-60). Its completion in 1965 is tures. eagerly awaited. Perhaps New York's lovely 18th century City Hall will at least have a rival.

The other structures in the Government Center are not spectacular, but rather quiet reminders that beauty does not always Center, which, occupying an en-

one of the design teams and then maintaining them. Chairman of Yale's Department of Architecture, came up with promises to be one of great interest. This building creates a space; created by the surrounding struc-

Boston, already the home of adding more. Some of the solutions sought and found there are undoubtedly valid in our own city. Unfortunately, the problems of any large city are not such shout. Only the State Government that can be solved by the design of individual buildings. Overall tire block, surrounds its own city-wide planning is necessary. plaza, has any great individual Philosophical decisions on the importance. Mr. Pei had called definitions and goals of a city for three separate buildings for must be made in order to estabthe site; one for each of the three lish rules by which judgments and glory dims in a city which state departments of Mental may be made. Just as in nature, does not care.

administrative areas are fixed [Health, Health and Welfare, and a violent change in any one part tightly on top, capping the design Employment. Five firms were in- of the social order will upset the volved, resulting in a design balance of the entire ecology. that looked like a small town. Provisions must be made for Mr. Paul Rudolph, a member of creating the proper balance and

> Whether any measures can be successful remains in doubt, for one large, low building ranging Boston is a city with major probalong the perimeter of the tri-lems. Because of inadequately angular block and nailed down used public transportation, the with a tower at the highest point. traffic situation has reached the The building steps back as it rises point of hopelessness. Boston is on the interior and the space the city where on Monday, December 30, 1963, traffic stopped just stopped for twelve hours. In addition the money necessary to finance solutions is hard to get, so much of the land belongs to tax exempt institutions such as the many good buildings, is rapidly schools and the church that the remaining property must be lowered to bring them down to a reasonable level. Boston just might not make it.

We, New Yorkers, must not allow our city to reach that point. Our roads too can stop and neighborhoods here have already died. Fortunately, our rivers have yet their glory and our streets their spots of beauty, but beauty fades

# More on the way every day! Thanks for waiting!

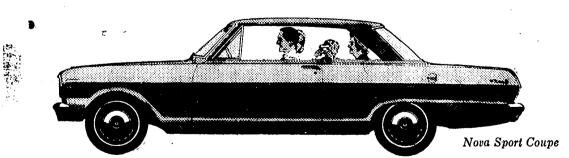
Your wait for one of these new 1965 Chevrolets is about over—and we want to thank you for your patience. Come see us now. When you get behind the wheel, you'll be glad you waited!



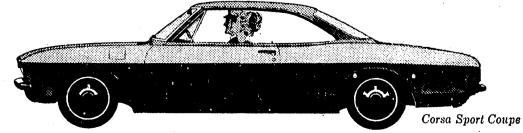
It's longer, wider, lower. It's swankier, more spacious. You could '65 Chevrolet mistake it for an expensive car-if it weren't for the price.



Fresh-minted styling. V8's available with up to 350 hp. A softer. **'65 Chevelle** quieter ride. And it's as easy-handling as ever.



Clean new lines. Fresh new interiors. A quieter 6 and-V8's '65 Chevy II available with up to 300 hp. Thrift was never so lively.



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More to see, more to try in the cars more people buy

Order a new Chevrolet, Chevelle, Chevy II, Corvair or Corvette now at your dealer's

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#### Interviews...

(Continued from Page 1)

ing in the aerospace and electromics areas, caused by cutbacks in judging the student projects. Presgovernment contracts.

According to Mr. Meyers, it is difficult to determine the prospects for the June graduates. His guess, however, is that they should be approximately the same as those of the January graduates. His basis for this estimate is the fact that the hiring situation in the electronics and areospace fields has been steadily showing modest improvement since its low of last June.

Along with cautious expectation of success in June, came warnings for the graduating class. Quite a bit of pressure is on them to live up to this term's class, because the recruiters coming back to campus will expect the same highly qualified students they found this Fall. Most grades and extracurricular activities will be a matter of record by next Spring when the interviewers return. Results of these interviews therefore can be changed only by the preparation, attitude and decor of the students who take part in them. Mr. Meyer cautions that it is easy for the June graduates to let the paperwork fall behind because of the extra time they have and on the basis of this they will find that their interviews reveal weaknesses.

The placement program for the Spring term has already begun. The three Employment Orientation sessions which it holds, for culation. The building steps up the engineering and science class. the liberal arts class and the evening session class have already taken place.

#### Klapper...

(Continued from Page 1) ident Gallagher, questioned later as to his impressions, replied that he was very impressed with the imagination of the students and the varied concepts set forth as



Ziggarot by Paul Benowitz

solutions to the problem at hand. The solutions are indeed varied, ranging from a Ziggarot to a local rendition of the Yale School of Arts and Architecture.

Paul Benowitz in creating his Ziggarot expressed his concept as follows: "The design attempts to create spaces which will be visually intimate and exciting by connecting main levels with small intermediate levels which serve



Design by Joel Kaufman

as lounges as well as vertical ciras dictated by the site. This provides terraces which serve as outdoor areas, corresponding to their adjacent indoor functions."

Joel Kaufman set forth the hibition area. The plaza in front Architecture to have it ser following criteria — "The City of the structure is an open area College, experiencing an ever ex- where students may congregate." panding enrollment, is faced with the need to supplement its present arate Faculty and Student Facisocial and recreational facilities lities into two connected strucfor both students and faculty. The tures. proposed Campus Commons is one

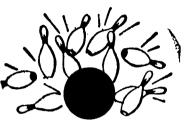
Enoch Lipson decided to sep-

This project indicates a comstep toward accomplishing this ing of age for the Department that is sorely lacking specif goal. The proposed structure of Architecture. The administrawinds, in stepped levels, up and tion now places sufficient credaround the steeply sloping site. ence in the newest department of Hall, and the Administ Each level overlooks the open ex- The School of Engineering and Building.

an advance planning agend college construction.

This close cooperation bet the College and the Depart of Architecture can serv bringing better architecture college campus — an ingre in the last three additions campus, Cohen Library, Stie

## BOWL FOR TMID-CITY LA



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NEW YORK'S MOST CONVENIENTLY LOCATED BOWLING ESTABLISHMENT

We were wary

of

# I'H'S

The object of our concern was a small, wedge-shaped mollusk found in southern waters where we planned to lay telephone cables.

Like others of its genus Martesia (of the family Pholadidae), it is a borer.

Usually it bores into limestone or some other substance to find a home.

Would it-could it-bore into our undersea cables?

At the time, we were testing the performances of proposed dielectric

materials for undersea cables at various simulated depths, temperatures and ocean pressures. We also tested for resistance to marine biological attack.

The testing showed that our cable covering wouldn't be attractive to pholads, and in nearly fifteen years of experience with undersea telephone cables we have peacefully shared the ocean bottom with them.

But we had to be sure we could. In the telephone business, reliability is

everything. We must do all we can to safeguard service from interruption. No threat is too small to ignore, not even that posed by a tiny mollusk.

Right now we've got other problems. Out in the Dakotas, hungry squirrels and field mice are nibbling on our wires.

We have to run.



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