

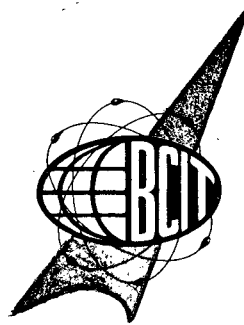
Are You  
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# the LINK

VOL. 4 NO 2

BURNABY, B.C. MARCH 7TH 1967

FOUR PAGES



## STILL NOT "OPEN HOUSE"

# B.C.I.T. Hosts High Schools



Byron Starr Photo

By PAUL LARDNER  
Saturday, February 25th, BCIT played host to approximately 400 grade twelve students from the lower mainland, Fraser valley, and Vancouver Island. With the help of BCIT student guides, they were shown through the labs of technologies, where each presented a series of displays demonstrating the calibre of learning found here.

One area which generated a great deal of interest among the students was the Broadcast Studios with its colour camera, the only one in west-

ern Canada, and a complete, live radio station. Also attractive was the Electronics area, with its new PDP-8 Computer.

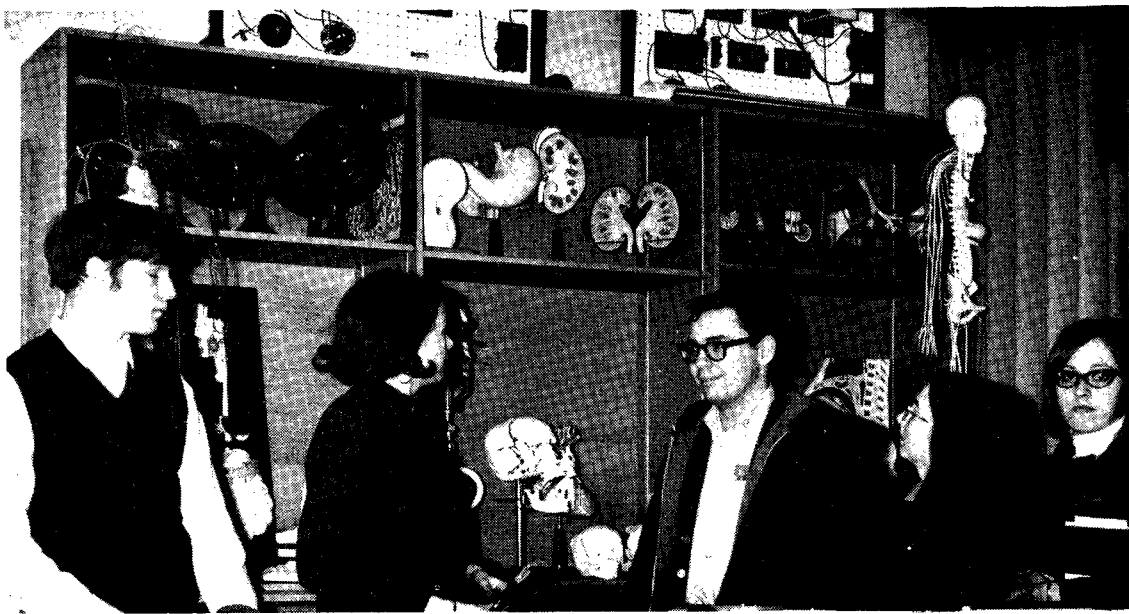
As an event, this "Open House" was highly informative and a very successful project undertaken by the Institute.

However, many students and staff feel that the open house should be made more public and not just restricted to prospective students or high school representatives. In previous open houses at UBC, as an example, the students could arrange to present a series of

displays consisting of their own related technological projects through a co-ordinating committee.

A common theme might be considered, such as technology's role in modern society. The tone of the exhibits should keep the average person in mind so that he may fully realize and understand how the projects may be related to the Canadian way of life.

A display or openhouse, such as this, could run for approximately one week of evenings in April or May, possibly this year.



## SCHOOL AVERAGE OF 24% GAVE

# C & S Tanks Up - With their Own Blood

By JIM KOZAK

The Civil and Structural Technology would like to thank all students and staff who made the blood drive of February 27 a comparative success. Mrs. Quinter, of the Health Service, informed us that this was the best blood drive in two years.

Special thanks are extended to the Instructors of Food Processing and to Mr. Ernie Carter for sacrificing valuable classroom time to provide a location

for the blood drive.

Congratulations go to the first student to donate (Dave Broderick of Business II), the overwhelming response of X-Ray (both students and instructors), and to those FEW brave girls of the Med. Lab. class who donated.

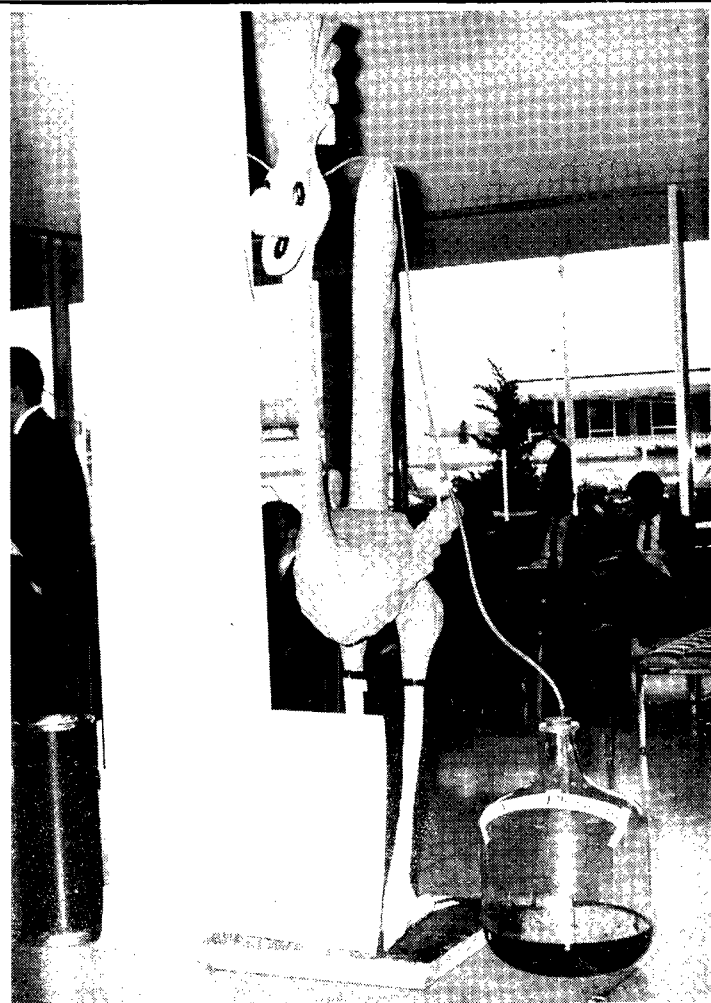
The final results were:

Civil & Structural	81%
X-Ray	61%
Gas & Oil	33%
Chem & Met	27%
Hotel, Motel	24%

E & E	21%
Instrumentation	21%
Forestry	19%
Mechanical	18%
Building	16%
Survey	15%
Business	14%
Food	13%
Forest Products	12%
Mining	11%
Med. Lab.	11%
Broadcast	5%

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SCHOOL PERCENTAGE 24%



Gary Oliver Photo

## the LINK

the newspaper of the  
BRITISH COLUMBIA  
INSTITUTE OF TECHNOLOGY  
Students' Association  
Burnaby, B.C.

Editor -- COLIN STAFFORD  
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Rita Kranabetter

The opinions expressed are those of the writers, and not necessarily those of the Association.

## EDITORIAL COMMENT

### alcohol, no less

When the time arrives for BCIT students to roll up their sleeve and to donate 500 cubic centimeters of their red fluid they rank among the world's best excuse givers, not that they are much worse any other time. These exonerations are meant to be humorous and have a realm from the sickening ("I've got too much alcohol in mine") to the nauseating (my family has blood poisoning"), especially when these utterances are heard from one giving time to the next.

There are, mind you, those people who just do not want to and those who are not able to give. Fine. But for the rest of you feeble hearted and panic stricken souls, may you never need that blood that those who gave gave.

### no gompers

There's a lot to be said about Mr. Roper's most recent and overwhelming decision not to allow our Sam Gompers Day.

### shrinking library

Our institute's modern library is quite well utilized and is stocked with one of the finest collections of engineering, technological, and scientific books, manuals, and periodicals to be found. It does, at present, have its staff problems, a fact which has meant, to this date of publication, that the morning Province remains unread by the student body until the ghastly hour of 11:00 in the morning.

In fact, when one jaunts merrily into the library at either noon hour, neither can he find a place to sit down and do last night's homework nor can he discover an empty chair to read that aforementioned morning newspaper.

Then comes the decision from the provincial government's planning division that the new BCIT library has been moved down on the construction priority list and that it will not be built until the very late sixties or early seventies. With over 2,100 students arriving at this institute and its expansion next year, a well-supplied library may just become a human sardine can, in very short order.



....THANK GOD THERE'S AN E & E!

## STUDENT COUNCIL

Elections for office in the Student Executive have been tentatively set for April 14th, following a week of campaigning starting April 10 - 14.

Nominations will be accepted April 3-7 for the following positions:

President  
Vice President  
Treasurer  
Social Chairman  
Sports Chairman  
Secretary

This is one occasion on which everyone can have a voice in the government of student affairs. So respect your vote and ensure that a competent executive is appointed.

### Does Enforced Liberal Education Breed Excellence? Part I

Consider this isolated case. Just before the turn of the century, there lived a young man in the suburbs of Munich, Germany. (He) was far from being a child prodigy. He was so long in learning how to speak that his parents began to fear that he was dull. From early childhood he separated himself from children of his own age and spent his time in daydreaming and "doing nothing." He avoided any strenuous physical exertions, did not play active games, and particularly hated to play soldier. The streets of Munich were frequently the scene of German army parades, an exciting view for most youngsters. But (our young friend) grew uneasy at the parades. HE DISLIKED THE MACHINE-LIKE MOVEMENTS OF HUMANS, TURNED INTO AUTOMATONS.

"Although (the boy's) parents were Jewish, they were not in-

terested in any religion and sent (him) to the nearest school, which was a Catholic elementary school. At the age of 10 he was sent to a "secondary" school called a Gymnasium, which prepared students to enter university.

He was not happy or successful in school. The students were required to learn by rote. Lacking was the informal discussion of subject matter which leads to deeper understanding.

"While in the Gymnasium, (the boy) received instruction in the Jewish religion. He had learned about Catholicism in elementary school. As a result he gained a lasting respect for the ethical values of a religion but felt that ALL RELIGIOUS RITUALS WERE SUPERSTITIONS DESIGNED TO PREVENT MAN FROM THINKING INDEPENDENTLY.

Reduced from GIANTS OF SCIENCE by Philip Cane.

*The placement emphasis will soon shift from graduating students to undergrads. On preparation for company recruiting for summer employment, all first year students are invited to pick up an application form from the Placement Centre -- room 222. Also remember to ask for your free copy of the "Career Outlook" booklet.*

### Small Separation Between University and Technical Institute

Lakehead University, situated at the twin cities of Fort William and Port Arthur is Canada's only university to offer both technical diplomas and degrees in arts and science.

President Tambyln states that the separation of universities and technical institutes "is just a numbers game" and that geology and German literature students should be able to find something to talk about in the same cafeteria. Tambyln puts merit in student opinion and has seven students in a combined faculty-student advisory committee.

Lakehead's first diploma students studied mining in a converted army hut. At this time it was called Lakehead Technical Institute. When the enrolment was only 124, the institute became a college in 1957. In 1965, Lakehead, as a university, granted its first degrees.

The 1,219 undergraduates represent more than a tripled enrolment in a scant three years. The faculty members travel throughout 50,000 square miles of Ontario bringing extension courses to 250 students scattered throughout the wilds of Ontario.

### Letters...

Dear Sir:

The BCIT motto has been translated into English after many hours of deliberation by the Latin scholars in E & E. The Latin phrase QUISQUE DOMINUS SUMMI means TO EACH THE MASTER OF HIS HIGHEST ACHIEVEMENT.

Maybe one of these days it will appear in the institute's calendar.

E & E COMMITTEE ON ANCIENT LANGUAGES.

### Repose with Stafford

Over hill, through hell rode the one thousand. They think they're out of high school, they want to be out, but, by the great zot, they're not out.

Industry's training ground, they say, and with it goes the martial plan. Dignity, they cry, and you accept it or get out. There's always the ones that weren't accepted, and you'd better remember or you won't be here.

The reasons, they plead, to learn three years in two, to cram three in two, to live and breathe school, or else. Time is what counts, and it never stops, nor do you. We'll guide your path, and if you don't work you won't be told except with a threat to do what has to be done, or excuse yourself because you're in the way.

Hand selected by committee, they resound, every one a prime learner, yet they fail and so do

### Students Eat Well, Teachers Eat Like Kings

Hmmm, guess I'll have to buy my lunch today. Let's see, what's on the menu? -- ahh, roast duckling, 85 cents ... my God, are they going overboard? Or chicken-legs, 62 cents; or bacon omlet, 55 cents. Say, not bad! What did you say? I'm in the wrong line-up? Oh, sorry about that.

Well this must be the student's line-up. Let's see ... boiled dinner, 55 cents; lasagne, 52 cents; or cod-fish cakes, 50 cents. Yetch, sandwiches look pretty good to me.

Next day.

Well, let's see here. Roast leg of lamb, 50 cents; macaroni, 48 cents; or halibut 55 cents; not too bad.

Now a look at the other menu. Buffet lunch. WOW! What a buffet, with four tables of cooked ham, turkey, two whole salmon, shrimp, jellied salads, and more and more and more and more.

Next day.

Students were offered roast chicken, meat pies, beef liver (not a bad selection). Now let's have a look at the (cough) other menu: flank steak, beef liver and meat pie. It appears as if prices are now ranging between 50 and 80 cents for hot meals, whereas they used to range from 35 cents and up. Agreed, prices may have gone up, but how is the price of HASH at 50 cents justified with such ingredients.

The critic in the Sun of a few months ago must have eaten in the student section of the cafeteria, not the staff section.

True, the food-training staff prepare excellent dishes, but these are seldom seen in the student section.



the chosen. You're here to hear, to write, to absorb, to become society's lifeline, if you can hack it and tolerate it.

Industry's product for industry, or a reject, chug-a-lug.

\*\*\*

Why does blood have to be red? Someday fashion is going to demand that red blood just does not go with an orange ensemble, or purple stockings. Then what? One merely goes to the nearest blood clinic and explains that she, or he, would like a dose of yellow blood, or perhaps pink, for those who only wish a blood brightener. Blood's color can surely be altered by some chemical, or mixture thereof, or perhaps even simple food coloring.

A very short and painless procedure is all that is necessary. Then the follower of fashion can walk proudly and confidently away knowing that if the need ever arises, that is, if she, or he, were to ever bleed, then the world would smile and acclaim, "She's in!"

## I.E.E.E.

## Oscillations

By BILL KOWAL

On Monday, February 27, the Institute of Electrical and Electronic Engineers (Vancouver section) held their annual student paper night.

About 20 BCIT IEEE members heard four third and fourth year UBC electrical engineering students present talks which were judged for prizes.

Unfortunately, because of the time element, none of the second year BCIT E & E students were able to enter the competition.

However, Bill Howatt, a second year electronics student, gave a brief talk on the operation of a digital readout reaction timer while the judges were deliberating. The reaction timer, which attracted a great deal of interest from the UBC students, was designed and built by second year electronics students Bill Robinson and Frank Statham.

The dates for the forthcoming overnight field trip to Portland have been tentatively set for March 20 and 21. Departure will be early Monday morning and the return will be Tuesday night.

Arrangements are being made for motel accommodations just outside Portland. The total cost (bus, meals, lodging, etc.) is approximately \$25. Those members who wish to attend should see any IEEE executive officer immediately since payment for the chartered bus is required.

Please be prompt since a minimum of 41 persons is required to charter the bus.

The BCIT branch holds meetings each Thursday at 12:30. These include both films and talks.

## Vancouver vs.

## New Westminster

A young man lives in Burnaby near a bus stop. He has two girl friends, one in New Westminster, one in Vancouver. To visit the girl in New Westminster he takes a bus on the south side of Kingsway; to visit the girl in Vancouver, he takes a bus on the north side of the same street.

Since he likes both girls equally well, he simply takes the first bus that comes along. In this way he lets chance determine whether he rides to Vancouver or to New Westminster.

The young man reaches the bus stop at a random moment each Saturday afternoon. New Westminster and Vancouver buses arrive equally often -- every 10 minutes.

Yet, for some obscure reason, he finds himself spending most of his time with the girl in New Westminster; in fact, on the average, he goes there nine times out of ten.

Can you think of a good reason why the odds so heavily favor New Westminster?

The first ten correct answers to the above logic question will receive a free copy of our school annual. Answers may be submitted to Room 324 anytime, or you can wait until our next issue for the correct solution.

Happy 21st, Sue

the Gang



WITH A BEAUTIFUL SHY Mona Lisa smile, Leona, an unquestionable blonde, seems quite content in a Med Lab-er's world at the institute.  
Gary Oliver Photo

## What a difference a meal makes!

## Broadcasters Turn Over Victoria

"It's O.K. fellas, the liquor store is open until 11 o'clock tonight."

Sighs of relief and the 18 second year broadcast students settle down to seeing all they can in the two days they have to tour Victoria. It's Monday morning and they have until Tuesday night to make the most of their field trip.

Having eaten breakfast on the ferry, all are ready now to tackle the day with ambitious and wide eyed interest. First on the schedule is a trip to radio station CJVI.

"Come on everyone, let's go and eat lunch." Lunch?? Well, CJVI will just have to wait for a few minutes while fish and chips take over.

And now, stuffed and content, off to the radio station and a tour of all the broadcast facilities. Observing all, the students then sit down with the personnel of the station and ask what could be called leading questions.

"What are the average wages of a copy writer at your station?" An announcer? The producer? How long do you think it would take to become the manager?"

A very rewarding two hours and then it's time to visit the Esquimalt Naval Depot. Entering the gates, the students are greeted by official-looking security signs. Much in awe, one student whispers that he's sure the signs are actually a secret code to top personnel. The others discuss this, but finally decide that "No Smoking" means just what it says.

The "Grilse," a Canadian submarine bought from the United States, was seen next. Cameras were banned at this point, but the students were allowed to get out of the bus and observe the submarine undergoing a complete overhaul in drydock. Then on to hear about

"Venture," the officer training program for the air force and navy. Here, the six girls in the class seemed to be giving their eyes a good deal of exercise as smartly dressed cadets strode by.

A Canadian destroyer, Qu'apelle was next on the schedule and the students spent two hours on the ship learning some of the techniques of a destroyer during war and peace time. Coffee time and then back to the hotel for supper.

And then, of course, after supper the students head for their rooms to quietly read and do their homework.

Tuesday morning and its off to the Legislature. Well, after breakfast, and it's off. At the Legislature, the students meet the Speaker of the House, the Honourable W. H. Murray, and then, low and behold, it's time for lunch. In this case, lunch is a chicken dinner on behalf of the government.

Fighting the desire for an afternoon nap after the hearty meal, the class finds itself listening and watching a session of the Twenty-Eighth Legislative Assembly. Watching the MLA's sleeping in their chairs as an NDP member speaks for 50 minutes proves to be most interesting, but alas, it is soon time to depart.

A quick tour around Victoria and up to the residence of the Lieutenant-Governor and then the bus starts back for Vancouver. One stop at a gas station, for reasons one girl in the class would rather not have disclosed, and then it's off to the ferry and home. Two days of much.

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## SCIENCE AND TECHNOLOGY

By BILL HOWATT

## Laser May Blast Highways

Two students at the Massachusetts Institute of Technology have crumbled hard rock with a laser beam. The laser used was a continuous operation, carbon dioxide gas laser whose radiation is in the invisible infrared region of the spectrum.

The experiments were conducted with the laser in an unfocused state. The three main reasons for doing so were:

1. The unfocused beam would cover more of an area.
2. The critical focusing of the mirrors would be difficult in the field.
3. The rock that would be fused with the focused beam would reflect some of the energy and the overall economy would suffer.

In the very first experiment with the unfocused beam, they found that microscopic cracks appeared in the rock within three to five seconds. After 30 seconds the cracks were visible and the samples fell apart when they were picked up. Experiments of a quantitative nature have been conducted on both granite and marble. These tests indicate that the strength of the rocks is substantially reduced.

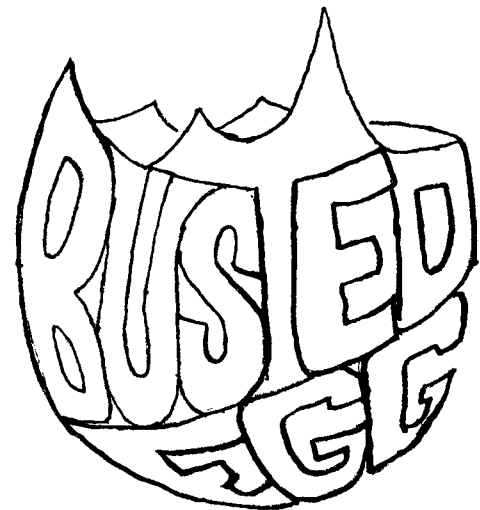
At the present time it is felt that the damage is caused more by the rate of energy transfer rather than the total amount of energy supplied by the laser.

This discovery could lead to a major breakthrough in hard rock excavation and mining. Countless dollars could possibly be saved in building roads and tunnels through mountainous terrain.

\* \* \*

Contributions for the Science and Technology column are requested from all technologies. Any articles may be turned in at The Link office, room 324.

## "THE EVENT"



MARCH 17

## The Roadrunner's Roost

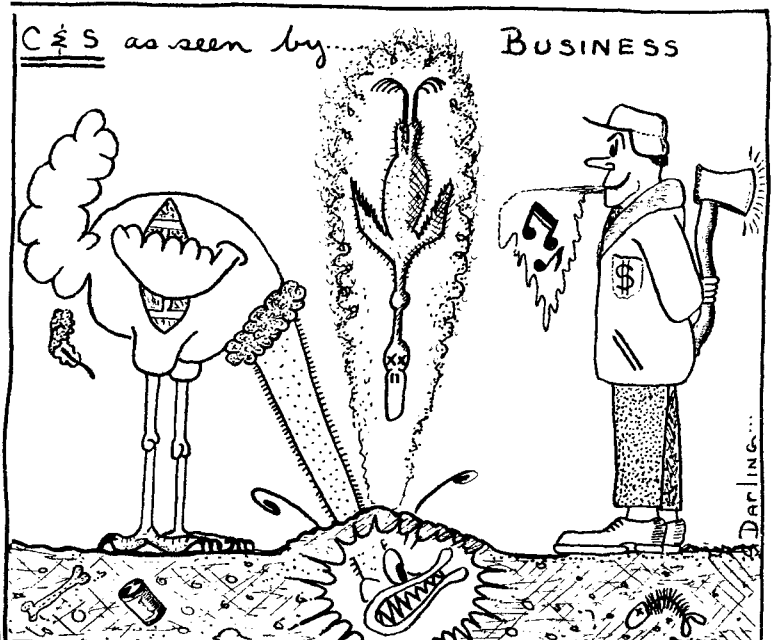
Over the net came the ball, And stayed on our side, just like them.

Mechanicals thought that this was great,

But last week we showed them they just don't rate.

The C & S Roadrunners started off slow, We even lost two games in a row, It's a good thing this is all behind, Now a place in the playoffs we hope to find.

G. Z.



## B.C.I.T. Places Second In B.C. Open Invitational Volleyball Meet

By WALLY BRECHERT

The B.C. Open Invitational Championships were played on February 11. The tournament began at 8:30 a.m. and by 1:00 p.m., BCIT had earned a definite play-off spot. In the semi-finals, BCIT was matched against the first place Washington Athletic Club. The team members had all participated in the C & S Blood Drive and as a result some of the players were not in good condition by the end of the game.

(Sports Editor's Note -- Too bad these fellows are not as apathetic as the rest of the school. They would have brought home the trophy if they had been.)

Anyway, Washington Athletic Club won two out of the three games.

On Friday, February 24, Royal Roads volleyball team was hosted in the Richmond Forum. BCIT was victorious over the military team and easily won the first two out of three games. Royal Roads, because of the long trip, felt a few more games would be in order -- and pulled an upset.

Tuesday, March 7th, BCIT meets the Jewish Community Centre volleyball team at the Jewish Community Centre, 41st and Oak. Game time -- 7:00 p.m. Spectators welcome.

BCIT Volleyball Team is going to the Region Eleven Tournament in Seattle on March 11, and to the B.C. Tournament in Winfield, B.C. on March 17 and 18th.



DID YOU KNOW that even girls turned out for the Intramural Volleyball. Here is one of the fair sex in action -- and not in bad action either.

Mike Maughan Photo

## Curling

By E. T. LAY

Participating in a bonspiel gives a person a real insight into the strategy and play-making involved in the game of curling.

A skip is interesting to watch; especially when he is trying to build up a house; or when he is several points behind; or when he is trying to figure out the best possible way to get two or three points in the ninth end and one or two in the tenth.

Our club will be holding a wind-up bonspiel around April 1. This will be the last chance to participate with the school's most active club. Further details in next week's issue.

And now continuing the exciting series I started several

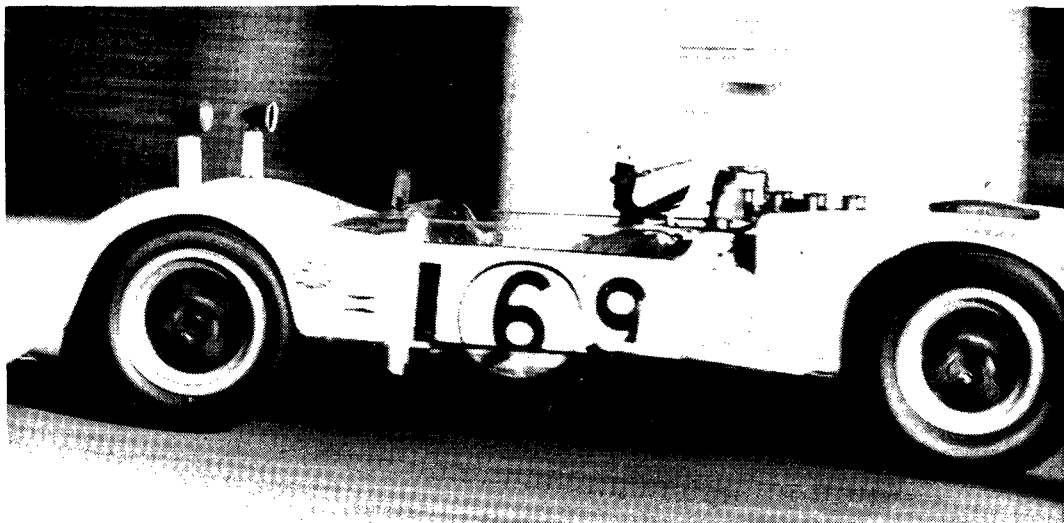
weeks ago, I would like to outline the third's play. This position requires an experienced player capable of executing almost any shot because he is often relied upon to correct or offset mistakes and poor shots of the lead or second. A knowledge of skipping and strategy of the game, and experience in judging the ice, is a necessity and an advantage to the skip who is then able to consult with his third when the occasion demands. He must have the ability to judge speed and direction and help sweeping requirements.

Next week, some of the skip's duties will be described.

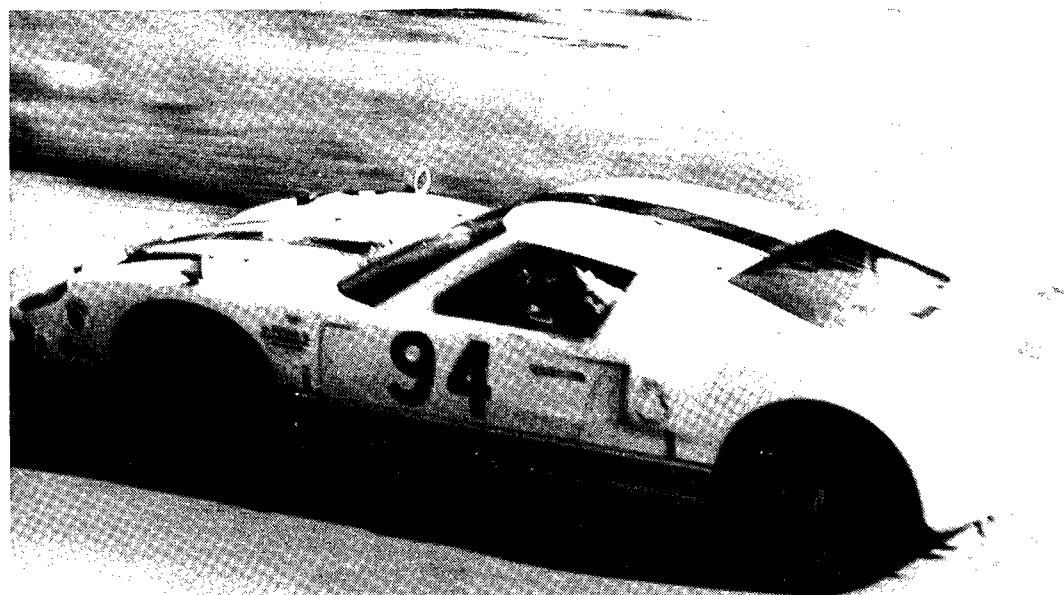
## WESTWOOD RALLY

By RENE BIGIO

TO WIN A RALLY ...

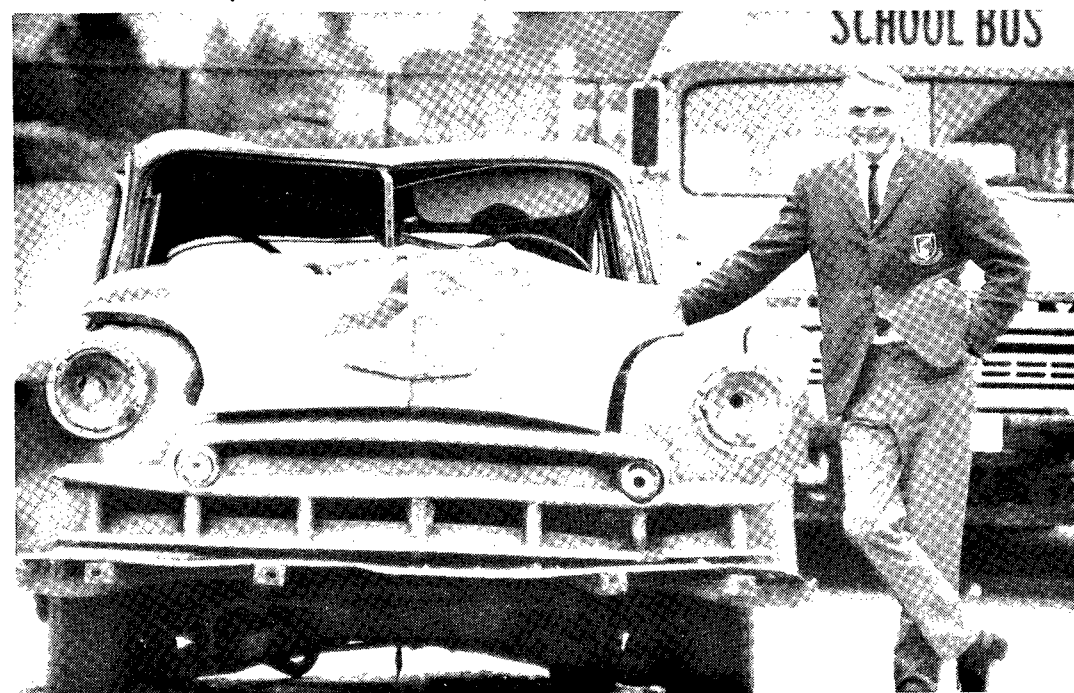


..... you won't need one of these .....



... or one of these (though it would be nice)

René Bigio Photo



... because the winning car might end up looking like this. (Notice the pepsodent smile).

BCIT's most active club has continued its participation in lower mainland sports car events. A three car BCIT SCC team entered the B.C. Sports Car Club's annual Westwood Rally, held on the last weekend in February.

The route started at Oakridge and finished on turn two at Westwood, where the host club's ladies division provided a free weiner roast. The rally itself was approximately 200 miles long and the route went through Delta, around White Rock and Crescent Beach, headed for the usual Valley rally country (i.e. Sumas Mountain), and arrived at Westwood via Stave Lake Road, Kanaka Creek Road and Dwyer Trunk Road. It seems that every rally uses these roads.

Although the results haven't been announced yet, the club entry (E. Schultz/F. Gruen, L. Doylen/D. McLeod, R. Bigio/C. Greenhill) feels reasonably confident of a good finish. The only complaint voiced during the rally was against some unusually slow average speeds imposed in some sections by the organizers.

Meanwhile, details of the BCIT SCC Computer Rally are almost fully completed. The rally will be held Sunday, March 19, with the start-finish line being at BCIT. Interest in the rally has been high, with lower mainland clubs indicating that they plan to send entries.

The rally will be 6 hours and 150 miles long, and will include a one hour lunch stop. The rally route will occur mostly around Delta, Ladner, and

Surrey (and won't even approach Sumas Mountain). Entry forms are available from Rod Turnbull and will also be available in room 105 at noon on Tuesday. Trophies and dash plaques will be awarded to all winning cars. Although directed towards the novice, the rally should hold interest for the more experienced crews.

A third noon hour gimmick rally is planned for Wednesday, March 9, as well as a slightly longer (70 miles) Sunday afternoon gimmick rally.

Further information will be available soon.

Incidentally, new members are always welcome. Meetings are held every Thursday at 5:30 in room 250. The Sports Car Club also sponsors free films every Tuesday at noon.

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