

*Meet You
In The
Watermelon
Patch*

the LINK

VOL. 4 -- NO. 4 BURNABY, B.C., TUESDAY, APRIL 4TH, 1967 FOUR PAGES



Computer Rally Draws 67 Cars

by RENE BIGIO

A total of 67 cars entered the first annual BCITSCC Computer Rally. Although some unforeseen difficulties arose, the rally as a whole was judged to be a success. Most competitors were appreciative of the civilized conditions at the rally start. This was one of the few rallies this year that held registration and driver meetings indoors, in the main foyer.

The rally route itself proved to be much harder than most people had counted on. One section proved to be virtually impassable and organizers were forced to re-route traffic.

This troublesome section was in Surrey, on River Road. The competitors were expected to drive across a sandpit, on their way to a dyke. Unfortunately, heavy rains had transformed the sandpit into a bog, and the entire area very quickly looked like a battle scene. Up to a dozen cars at a time were in the sand, some of them in up to their floor boards. Bill Norris, a checkpoint on the dyke, spent a very lively hour dodging irate rallyists until the rally was re-routed around the checkpoint.

Once they had cleared the obstacle, rallyists were confronted with one more near-impassable dyke, before continuing the rally on more-or-

less civilized roads. No complaints were heard about any road conditions from lunchtime on.

The rally route crossed the Fraser River after the lunch break and rallyists found themselves in an Alpine section just behind Riverview Mental Hospital. At one point, drivers were confronted with seven different roads to follow and seven successive cars were observed proceeding along seven successive roads. Since three of these led to the Riverview parking lot, more confusion soon arose.

Most cars had finished the rally by 6:00 p.m. allowing Mr. Robertson and the Computing Center Staff to start execution of the scoring program. All watch correction was handled by the IBM 360 which produced complete checkpoint by checkpoint results that same night. Unfortunately, the organizers were unable to publish results by 11:00 p.m., making it impossible for Channel 8 to broadcast them.

This major rally by the BCITSCC was very well received by the local sports car clubs and support for our future events seem well assured.

First Overall Winner Shillingford/Sterne SFUSCC.



René Bigio Photo



On the bus . . .



. . . at the motel



incidentally, guys, what'd we go for?

Mike Barrett Photo

E & E Invades Portland, Ore.

By BILL KOWAL

On Monday, March 20th, at 5:30 in the morning, 37 E & E students boarded a chartered bus for Portland. The occasion, a field trip, organized by the Institute of Electrical and Electronics Engineers student branch, to visit Tektronix, one of the largest manufacturers of oscilloscopes in the world.

To overcome the monotony of

the gruelling eight hour bus trip, various activities were organized, including a song fest, complete with four guitars, tambourines, bongos, maracas, a trumpet, a skillful game of chance, and sleep.

On arrival at the Portland motel, all animosity which resulted over the games of chance were forgotten. A quick trip to the local supermarket for food and drink settled all.

At night, the city was thrown open by BCIT's E & E students who took in sights such as movies, Sonny's Topless A-Go-Go, or for the more meek, window-shopping or swimming.

After sparse hours of shut-eye, the group once again boarded the bus and departed for Tektronix, finally. On arrival they were treated to coffee and donuts (to sober some of them up) and were given a talk on the company.

After breaking up into groups, they were shown around various plant departments, where the design, manufacture and calibration of oscilloscopes was observed.

Lunch was served compliments of the company.

Interesting aspects of the tour were the design and building of integrated circuits and cathode ray tubes. At the conclusion of the tour, the group was ushered into a lecture theatre where two Tektronix engineers answered any questions.

The group then boarded their trusty bus and arrived at BCIT late Tuesday night.



Volleyball Team Places Fourth At Ogopogo

BCIT Volleyball Team won fourth place in the second annual Ogopogo Invitational Volleyball Tournament held at Winfield on Saturday, March 18th.

Ten teams from various parts of B.C. were entered in the tournament. The team were divided into two sections with the two top teams of each section taking part in the play-offs.

The round robin play began at 10:00 a.m. with each match consisting of two 11 point games. By 4:00 p.m. BCIT had won a spot in the play-offs by giving up only two games; one to Winfield and one to Mission.

The players were treated to a banquet supper, at which the

(Continued on page 4)

the LINK

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

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

EDITORIAL COMMENT

let live

Again and again and again BCIT has been called an institute of higher learning, a place where students are expected to act like adults and where they will be treated as adults. And again and again and again the two major factions, the instructors (including the administrators) and the students, do not live up to the accepted adult mode of life.

The pros and cons of a student working parttime have long been debated and the general conclusion here has been that because spare time comes in undersized quantities, students have neither the desire nor the hours to indulge in parttime labor. However, once more the almighty buck has its own way. Student financial need may warrant him spending Friday night or Saturday working. (Sure, student loans are around, but it takes more than a thousand for out of town students to last the year.)

Teachers and administrators may frown on the efforts of a working student, sometimes because his marks are not up to expectations. But a frown does not include a verbal exhortation. If a student wants to work part time, even though his marks may suffer, it is his choice and the teacher, whether or not they know he is working, should keep their own philosophies to themselves. It's the student's non-school time which is involved -- let him live it.

on elections

Student Council election time has caught up with us and upon publication of this issue there should be banners and poster hanging from the yardarms. Last year's elections were a big juicy flop, to put it mildly. No one really knew, or were interested, who the candidates were and, most important of all, the voter turnout was even less than the pessimists expected.

Your student body card has seven numbers printed in little boxes on the right hand side. Their only use to this date has been for voting. Make sure you get a number punched out this year, and try to find out who you're voting for, even if it is a girl.

jobbery

The second floor of BCIT houses a somewhat obscure little niche called the Canada Manpower Centre.

In these confines, Mr. E. Rhumohr and staff attempt to find employment for both graduates and under-graduates alike -- not an easy task in BCIT's first years on the job market.

If the marked increase in the number of job opportunities posted on the bulletin board is any indication of the work done by the place staff -- they deserve the deepest thanks of all students.

STUDENT COUNCIL ELECTIONS

The election for positions on the Executive Council of the Student Association will take place Friday, April 14, 1967 from 10:00 a.m. to 2:00 p.m. All students are eligible to vote.

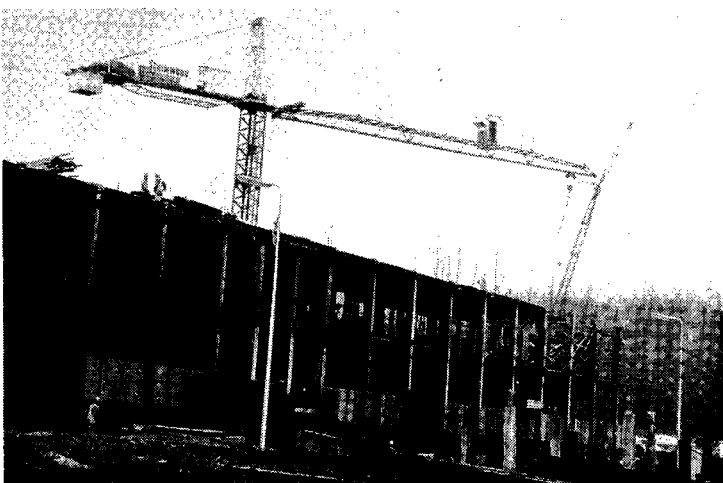
The importance of this election is not merely to fill the positions but to select the most suitable candidate for office. Monday, April 3, to Friday, April 7, has been scheduled for nominations of candidates. During this time the students can nominate those people who they feel will be most suitable for any one of the following positions:

President	Male or Female
Vice President	Male or Female
Secretary	Female
Treasurer	Male or Female
Social Chairman	Male or Female
Sports Chairman	Male
Clubs Chairman	Male or Female

Nomination forms are available from your Technology reps or from the office of the Director of Student Affairs, Mr. Frisby.

Campaigning will begin April 10 and end April 13, with campaign speeches on Thursday, April 13 at 11:20 in Lecture Theatre 129.

Now you don't see it, now you do . . .



BCIT'S NEW ADDITION IS RAPIDLY NEARING COMPLETION. The walls and interior equipment are presently being installed in the completed concrete structure. The next phase will entail the finishing touches and installation of technology equipment. When completed for September the addition will provide valuable facilities for an increased student enrolment.

Technology's Irony

The Torrey Canyon, a gigantic super-tanker, now represents both the boon and the failure to mankind of modern technology.

The tanker carried 118,000 tons of crude oil which are now creating havoc along the coast of England.

At the present time, napalm, rockets and bombs are being employed in an attempt to burn off the remaining 40,000 tons of oil in the wreck. Detergent is being sprayed by 53 ships in an attempt to break-up the disastrous film.

Sea birds and wild-life are threatened with certain death and the livelihood of hundreds of oyster fishermen is in dire jeopardy since four million oysters may be ruined by the oil.

Several booms are being constructed in an attempt to block the path of the oil into some coastal areas. An experimental method is being tried in which compressed air is pumped into a perforated plastic hose lying on the bottom of the sea. It is hoped that the upward water currents created by the air will prevent the oil from spreading. Experts do not feel that any of these devices are certain to work.

Even the French may not be immune to the problem since the oyster and mussel beds of Normandy and Brittany may be adversely affected even by a thin film of oil reaching across the English Channel.



Repose

with Stafford

In the words of our soon to be established tourist promotion ministry, B.C. is truly THE fisherman's paradise, playground, or what have you.

Fishing, for fish, however, is no longer a sport but a trial of the patience and of the mind.

More and more people are leaving the salt water inhabitants alone to indulge in some real, uninhibited fresh water fishing in our many streams, rivers, and lakes, polluted or otherwise.

The life span of a fisherman's ego begins at dawn when he stands up, wobbles to the window, notices the darkness, and goes back to sleep again.

But his mind will not let him rest until he is out by the running water, inhaling the refreshing morning air, and thinking about going back to bed.

If salmon fishing is his whim, the fisherman not only must endure the elements but also must tolerate the stench of those salmon which are no longer alive. Trout fishing can be much more pleasant but it may involve placing a little wiggling worm on a hook whose point

What to do...

Ahhh! ... Spring! and a young girl's thoughts turn to those that a young man has been thinking of all winter long.

To be sure, our young man of BCIT has been thinking certain thoughts all winter and our girls were thinking their usual metabolisms, radiation thoughts and programs. Men? What man they say. A few boys around here, but my boyfriend suits me for now. I had better not mess around with those ... (fill in appropriate tech) fellas.

Look there girls, look at those silly guys looking at us. Looking? Bloody well staring! Don't look back or they will be right over.

Say, do you think I should ask that girl out? Maybe she will just tell me all about her good-looking rich boy friend. No, guess I had better not.

Why doesn't that guy ask me out? Last time I talked to him he seemed interested till I told him that I hated shows, dancing and liquor. (What else is there to do?)

Sure would like to ask that girl out but she is always with a group of 10 or more girls. How do you break into a group like that? Hmmm ... think of something clever -- like, did you go to school with Joe Schmotz? She won't know who that is.

Is that fellow going to ask me out or just stand over there with those fellas.

Hi! Did you school go to Joe Schmotz with?

Oh, yes I did. Did you know him?

No, but how about going out some time?

Love to.

Library To Open Saturdays

The BCIT Library will be open Saturday from 9:00 a.m. to 3:00 p.m.

The librarian will be on duty Monday, Wednesday and Friday until 6:00 p.m. and Tuesday and Thursday until 10:00 p.m.

The library doors will still be open until 10:00 p.m. Monday to Thursday, and Friday evenings until 6:00 p.m.

keeps disappearing into the fisherman's flesh!

A fishing trip reaches its climax with the first discovery of a thrashing fish either snagged or hooked on the line. The size of the landed or lost fish depends entirely on the creative ability of the fisherman, or his capacity for uttering untruths.

To those of you who have partaken in the activity described above, you are to be complimented on your wonderful taste of outdoor sport.

You are undoubtedly a very patient, well-mannered, tolerant, and witty person. I enjoy the past time as much as you do.

* * *

Rarely among this verbiage will a person discover anything complementary, or worth reading. However, one of the best shows in town is called "Blow-Up."

It is a member of the new breed of films where old fashioned plots and sub-plots have been tossed out the window.

But there is a story with meanings and sub-meanings which are very related to our day and age.

"Blow-Up" is a very suspenseful film, but is not an Alfred Hitchcock.

It's restricted, too.

RIEN REVEN

And so you have all filled out your Computer Date forms and you are now waiting for your Computer Date.

While you are waiting, here is a little story about a rather homely boy and girl who have made a date for 8:30 to meet under the Birk's clock.

HE: Sure rains in Vancouver.
SHE: Yes.

HE: You didn't happen to see a short, beautifully built blonde walk by, did you.

SHE: No.

HE: I have a date with her.

SHE: My date is six feet tall ... he's a lifeguard.

HE: So am I.

SHE: I can't imagine why he's so late. We get along so well. Have so much in common, you know?

HE: So do we. Right down to the smallest thing ... we are both just slightly higher than average in sociability, and both of us like hockey and folk dancing (in that order).

SHE: My date and I are both white Protestants, and we are both very rational in approaching matters of decision.

HE: And we are both average conversationalists ...

SHE: And both of us have medium strong family ties ...

HE: And love chess, checkers, and Hebrew.

SHE: I guess they could never fulfill ALL the qualifications.

HE: Should we take a chance and keep waiting here?

SHE: Good idea.

(THE RAIN FALLS ON INTO THE NIGHT.)



CERTAINLY NOT A SHY PERSON. Lorna is another of those elusive Food Processing breed of girls. This time first year. She's a Penticton-ite who, like most from the Okanagan, revels in the fine art of skiing, among other things. Gary Oliver Photo

Temperature Sensitive Devices

In the present age of automation it is necessary to monitor many system variables. One of the most important system parameters is temperature. Today there are many types of devices which will give an indication of temperature changes ... among them are thermistors, silicon resistors and platinum sensors.

Thermistors, which are the most versatile temperature sensors, are not only used for temperature measurement but also used extensively for detection and control purposes. The devices come in many sizes, and shapes which include discs, wafers, rods and beads. They usually have negative temperature co-efficient characteristics and are useful in a temperature range from 50 degrees Centigrade to 300 degrees Centigrade.

Negative temperature co-efficient thermistors are made of various metallic oxides such as nickel oxide, copper oxide

and others. Positive temperature co-efficient thermistors (relatively new compared to negative temperature co-efficient thermistors) are made from barium and strontium titanates containing a trace of lanthanum. The latter units are not subject to thermal runaway and provide more stable operation in simpler circuits.

USES

1. Keeping the level of telephone conversations constant by compensating for the changes in wire resistance due to temperature.
2. Measurement of altitude. The thermistor will get hotter since the rarefied air at higher altitudes will not dissipate the heat as fast as the denser air at lower altitudes.
3. Measurement of rate-of-flow. The liquid helps conduct heat away from the thermistor. The amount of heat conduction is dependent on the rate-of-flow.
4. Used as a detector in a gas chromatography system.
5. Used to protect electrical equipment from large initial currents when equipment is cold.
6. Overload protection for motors.

Silicon Resistors

If silicon is doped with a small amount of boron, the unit will have a positive temperature co-efficient in the temperature range -150 to +300 degrees Centigrade.

Beyond these two extremes the temperature co-efficient is negative. With modern semiconductor manufacturing techniques close tolerance identical units can be made.

An important application of silicon resistors is their use in silicon transistor circuits as temperature compensators. The temperature compensation ensures uniform performance over a fairly wide temperature range.

Platinum Sensors

Pure, annealed, strain-free platinum is ideal for many temperature measurement uses. Platinum is ideal since its resistance-temperature relationship is precisely defined mathematically and is time independent. Since hysteresis is negligible the resistance is always the same at any given point whether the temperature is increasing or decreasing. The useful range for platinum devices is from -260 to +1,000 degrees Centigrade.

Overheard in Room 324: "After those three coffee I detect a certain bio-physical urge."

ooo

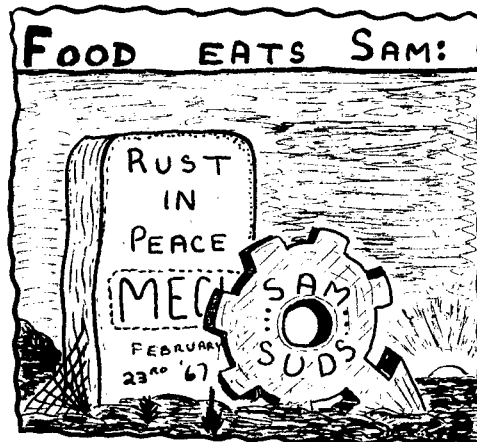
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ooo

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BETTER LATE THAN NEVER.....

EH, MR. DARLING???



OVER 350 ATTEND

E & E Packs 'Em In



The Empress Room of Hallmark Halls was the site of the groovi-est affair that BCIT has had in a long time.

What was it?

The "Busted Egg" sponsored by E & E who, once again, have proven themselves to be "THE" swingers of BCIT.

The attendance at the Easter affair was tremendous. As the evening progressed, more and more tables were set up as scores of fun-seekers joined

E & E in celebrating the up-and-coming Spring Break.

Because the dance floor was so crowded, each person was allotted only a small space in which to "work out."

Anyone attempting to use more than his share of the floor was discouraged by the flying arms and legs of his neighboring shareholders (that's where those bruises came from!).

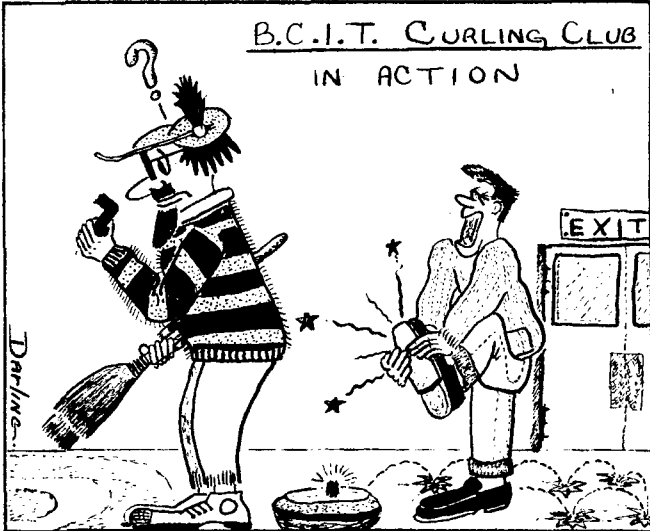
The Vancouver Accents were great, putting on as good a show

as they normally do. Even the Soul Sisters didn't sound too bad that night.

Ken Livingstone, responsible for the decorations, did a great job. The huge cracked egg-shell swinging from the ceiling was particularly creative.

The complaint at the last dance has been cancelled, for there were many, many, new faces at the dance.

THE NEXT ONE? .. APRIL 15th, same place.



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VOLLEY BALL

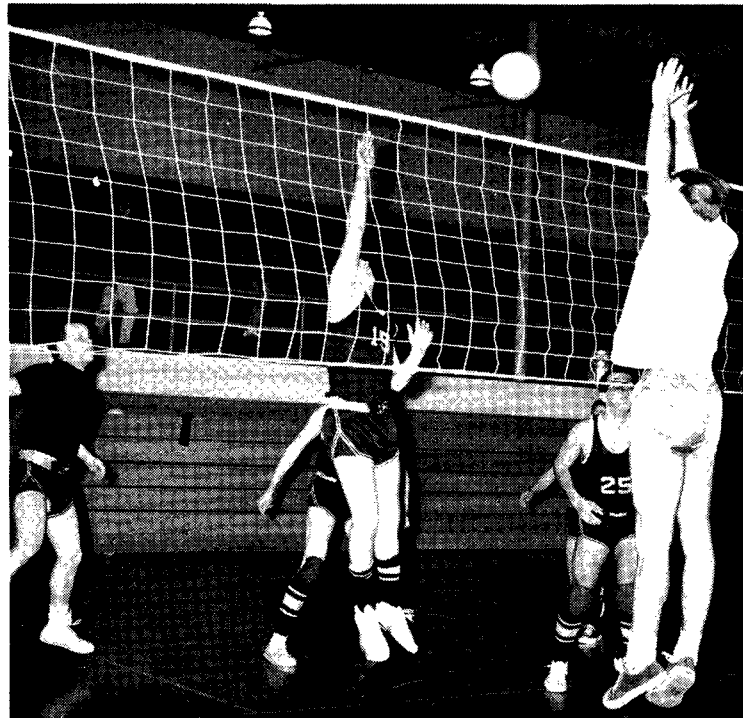
(Continued from page 1)

four finalists were given penants.

At 7 p.m. the semi-finals began with BCIT matched against Vernon. This game ended on a sour note when one of the BCIT players sprained his hand as he dived for a low ball.

The final standings were: Mission, George Elliot, Vernon, and BCIT. BCIT's Gary Angstadt was given an all-star player award.

BCIT entered the tournament primarily to promote the school. This was done by handing out pamphlets and by describing life at BCIT to the other students.



BCIT's VOLLEYBALL TEAM IN ACTION ... a field day for Katie Winters and her Secret!

Bruce Stott Photo

Inter-Tech Bonspiel Planned To Wind Up Curling Year



SWEEPER KONNO preparing to assist Sheeley's rock down the ice.

This will be the last blast. The final fling. The best test, yet.

Teams have been entered from E & E, Hotel-Motel and Mining Technologies to date. Also, teams will be made up from persons not on a specific Tech Team.

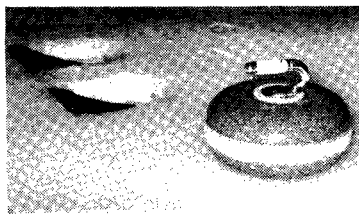
Plan to enter your Tech Team NOW, don't be disappointed, this will be the last chance to show your proficiency at the rock palace.

Games will commence at 10:00 a.m. through to approximately 4:00 p.m. Trophies will again be awarded to the best (?) curlers courtesy of our Student Council.

As the curling year is drawing to a close, I would like to offer my last exciting series of information devoted this week to the Skips (applause).

He plans the strategy and directs both the players and the game. As the skip is of paramount importance to the success of a rink, his qualifications are given as follows:

1. Self confidence .. that he can make his last shot, not thinking of the disastrous results of a miss.
2. Ability to judge the ice .. this takes practice as well as experience. The skip must know what weight his players will use in delivering his rock, and give him the ice corresponding to that weight.
3. Ability to judge the capabilities of his players .. if the lead cannot throw a fast rock, give the ice accordingly.
4. Ability to fit in with his players .. even in modern curling, too many skips crab at their players when they miss.
5. Optimism .. above all, optimism.



THE FOUR CURLING CLUB CHIEFS: UBC, UVic, SFU and BCIT shown prior to the great battles at the UBC Invitational Bonspiel. The picture were taken prior to 'spiel because

SPORTS

CAR CLUB

by RENE BIGIO

A total of four rallies were held during the Easter holidays, enough to satisfy even the most avid fan of this basically insane sport.

Following Sunday's Computer Rally, a local Rally School, in conjunction with the Volvo Car Club, put on a short rally on Tuesday night. This rally left UBC at 8:00 p.m. and was scheduled to finish at the Airport Inn approximately two hours later. Needless to say, nobody finished in the allotted time. The route passed over a dyke on Boundary Bay, a dyke which had over a foot of loose mud in spots, and held the entire rally up. A Sunbeam Alpine bogged down in the narrowest part of the dyke and required a tow truck before it could be freed. By the time the truck arrived, the entire rally was stopped and the sweep car had to re-route the rally around the dykes. The rest of the rally was quite uneventful. Instructions given were not of the usual variety but proved to be very enjoyable to follow. In some sections, navigators found their instructions were not in the correct order and were required to arrange them first. Heaven help those who didn't. They probably ended up in Calgary.

Three cars from BCIT entered. No results have been posted as yet, but all involved enjoyed themselves.

The following Friday, Craig Greenhill and myself entered the SFU-SCC Valley Rally with the intent to avenge their victory in the Computer Rally. To put it mildly, we failed.

The first obstacle found was a picture section. In this type of instruction, rallyists are given a picture and told to turn whenever they reach the spot where the photo was taken. In this particular case, the pictures appeared to have been taken with a Polaroid Swinger and Xeroxed onto the instructions. This insured that all detail would be missing. All rallyists had to look at indistinct smears with the instruction "turn right".

Once that was out of the way, the route became fairly normal with the exception of a few Mickey Mouse, typically SFU innovations. Like all Valley rallies, this one took competitors home via Stave Lake Road, Kanaka Creek Road and Dewdney Trunk Road. I wish somebody would discover new roads. Anyway, we enjoyed ourselves, especially during the two spinouts. Come to think of it, maybe we didn't do so badly, although 45 minutes late, we were still the first car through the last route control.

The last and most important rally of the week was the Pacific Sprite Club's Pathfinder. This Regional Championship rally left Fred Deely's at 9:00 p.m. on Saturday night and finished at around 3:00 p.m. on Sunday at Oakridge.

After a relatively easy, though fast, first section, the rally crossed Sumas Mountain at a 35 mph average speed before heading for the Ryder Lake area. This involved driving across two washouts on a logging road, and along a jeep trail on a farmer's property. At midnight, in down-pour, this can get exciting. Following that, competitors crossed the border, where the last 15 sections were located.

Once in the States, rallyists found that most of their maps were totally useless, as very few good maps of the area exist.

Fortunately, it was possible to navigate without maps since most mileages were given (and, incidentally, proved to be the most accurate mileages I've ever seen).

Although the rally was extremely fast, most competitors reported they really enjoyed it. The sole BCIT entry, Mr. L. Doyle/R. Bigio, finished 23rd overall. A total of 52 cars had started, although only 37 finished. The last few finishers, incidentally, had in excess of 900 points, so our 196 points don't look too bad.

About the only thing both of us didn't enjoy about the 500 mile Pathfinder was having breakfast in Sedro-Woolley, Wash. It's the only place I know of that ever ruined an egg.

Golf Club

An attempt has been made to form a golf club, and the response has been somewhat less than enthusiastic.

A slate of officers has been drawn up, but when a meeting was called last week an insufficient number of members were present to accomplish anything.

The next move will probably be to post a date for a tournament at a local club and hold the election at that time.

Keep your eyes open for an announcement to this effect. And let's get SOME support behind this club.

OYE! OYE! OYE! GALA BALL!

An EXHIBITION on replete with fun, and at the same time INTERESTING & INSTRUCTIVE, and well worthy the ATTENTION and SYMPATHY of those interested in a NATION fast passing away.

AND IN CONJUNCTION WITH THE CENTENARY BEING CELEBRATED THESE DAYS IS THE LIVELY BAND —

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