



... AND SO, MR CHAIRMAN, WE HAVE COME TO THE CONCLUSION THAT LEADERS ARE ESSENTIAL

Sunday at the club

Much concern and enthusiasm in regard to our foreign student population was generated at the second leadership seminar held Sunday at the Mayfair Golf and Country Club.

Should this new found interest on the part of our campus leaders not be dissipated by the passage of time, future foreign students may anticipate a somewhat more pleasant experience on this campus than those now here.

Success or failure of a seminar of this nature is not equated with the number of concrete proposals duly transcribed into the minute book. For these brilliant proposals, when looked at in the future, never appear quite so clever as when proposed.

Concrete ideas, however, were expressed at the session on Sunday. An international house is in the process of being acquired. Once established, it will provide a centre for the

lonely student newly arrived in Canada, and a continuing mecca of cultural exchange.

The Golden Key Society is to be involved in the welcoming and orientating of new arrivals. Before the student ever arrives in Canada, practical information will be sent informing him of Canadian customs and procedures.

However, much more must be done for foreign students beyond these first laudable steps.

Next week it is doubtful whether the delegates will have retained any of the idealism so rampant in the discussions.

Discussions are excellent. But unless the "leaders" who attended consciously strive in every day life to fulfill the ideas expressed, foreign students will continue to be ignored. The seminar will have been merely another way to while away a Sunday.

Hyndman blasts

Credit must be given where credit is due.

Following last Tuesday's meeting of Students' Council, The Gateway printed an editorial branding council a "pathetic study in mass procrastination." Lack of preparation by councillors for meetings, an inability to make decisions and an occasional exhibition of a dearth of knowledge of important aspects of student government were pointed out.

In a letter to his councillors, student president Peter Hyndman has now stated:

"It seems desirable to offer a comment or two on our performance to date. Our year has been highlighted by an excessive number of lengthy meetings, for which we all are equally to blame. May I therefore offer comments for purposes of guidance:

1. Procrastination is to be avoided at all times;
2. Decisions must be reached as soon as reasonably possible after an issue is raised;
3. Relatively insignificant items should be speedily dealt with;

4. A great deal more homework and preparation for meetings must be done;

5. Work must be done well in advance of target date to avoid pressures of time and temper;

6. All reports should be distributed to councillors two weeks before consideration, so that the homework sometimes done during a council meeting can be done by councillors before the meeting.

Further comments or suggestions concerning the effective operation of meetings would be appreciated."

A student president who will blast his councillors so openly at a time when council is under attack (The Gateway editor is a councillor and receives all council mail) is either brainless or has a sincere desire to improve his council.

Peter Hyndman is not brainless. He apparently wants to do his best for the student body. Credit is due.

featurette

PROJECT PROTOTYPE

by Angela Sawchuk

In an obscure corner on the western edge of the campus is a new building known as the hydraulics lab. Here graduate students, professors, and outside companies create models of engineering projects, and perform experiments on them.

One of the models just completed is a plan for the Calgary Causeway. This project calls for the building of a dam, overlaid by a highway, across a large lake. Since the reservoir of water on one side of the dam is being tapped, it is necessary to excavate a huge hole in the dam in order to equalize the water pressure on both sides.

This natural transfer of water through the dam creates a problem since moving water will dig out the gravel and sediment on the downstream side. The continuous lowering of the lake bottom on one side of the dam will eventually cause it to collapse. To prevent this, huge boulders were put in the lake bottom.

The problem that had to be solved was to determine the number of boulders needed and the area they must cover. The answer was found by carrying out controlled experiments in the hydraulics lab.

Another interesting project planned in the hydraulics lab is the construction of a spillway to be situated on the Saskatchewan River between Prince Albert and The Pas. It consists of a dam containing several gates and an enormous curved slope starting at the base of the dam and terminating at the old river bed.

At the base of the slope are projections which cause the hydraulic jump—the point where the excess potential energy of the falling water is dissipated—to occur slightly above the projections on fourteen feet of cement.

If the spillway did not exist be-

low the dam, the force of the rushing water would soon wear away the earth, and the dam would collapse.

In the prototype, water is run through the dam exactly as it would in the actual structure and the pressure at different points on the spillway is measured with manometers.

The hydraulics lab is also the site of operations to determine the feasibility of piping the sand-saturated oil from the Athabasca tar sands to the west coast. The viscosity and rate of flow of the mixture must be calculated, as must the distribution of pumps along the pipeline.

The chief problem in running an experimental center such as the hydraulics lab is access to sufficient water supply. When in full operation, this lab requires about 13 cubic feet of water per second which is extremely costly. Instead, the water is recirculated. After it has been used it is allowed to settle and then filtered with an ordinary swimming pool filter. Chlorine is added to kill bacteria and stop the development of odors. Various pumps and pipes, fitted with adjustable valves, permit the transfer of the purified water to all parts of the lab.



To The Editor:

Dear Fink,

Being one of the few who occasionally glimpse through your (pardon the expression) newspaper, I suspect, from the fine print, that perchance you have been attempting to jerk the knitting over our peepers. I am referring of course to the phony names added to your staff in an effort to make it appear massive and important. You can't make me believe that anyone would name an offspring "Zachary T. Peabogartus Winterbottom." Or maybe Zach is a relation to the mythical Ralph Bat! You could have at least had the ingenuity to think up another name rather than merely printing Zany Zach's initials among the proofreaders—if you actually have any proofreaders, that is.

I make this last remark not without cause. May I call your attention to the article entitled, "Reason, individual said liberal basis," which appeared near the top of page three of your November 14 issue. The third line of column two has, as the plural of principle, PRINCIPLAS!!! University scholars—bah! This is calamitous!

Yours, disgustedly
The Phantom Phikeia

P.S. Who the hell is Chris Devans anyway?

Ed. Note: We are indeed gratified to see our readers poring over the list of Gateway staffers. A discerning reader such as yourself was probably very pleased when in the last issue Zachary received a by-line for his coverage of a meeting of students' council. Zachary has been

a Gateway staffer for eight years now, and is delighted when anyone (especially a Phikeia) takes the trouble to write a letter praising him.

Your insult re our noble proofreaders merits only the standard reply: if you are as eagle-eyed a reader as you claim to be, come in and join the highly paid proofreading staff.

To The Editor:

I am writing this letter to inform you of my opinion of your literary effort, The Gateway.

In reading the passages of said paper, I have often noticed derogatory remarks made over any piece of writing entered by an Engineering student. Since I am a student of said faculty I am naturally very irritated over these childish comments. Such statements could only be made by a fink from the Faculty of Arts and Science. Such finkishness is deplorable and should be excluded from the columns of your paper. Since the Gateway has campus-wide distribution, and not only among your fellow finks, would you please desist from making such adolescent remarks.

If you were an unbiased paper, I would expect you to print this letter. But there is a probability of practically none that you won't.

An Anonymous Engineer

Ed. Note: 1. The editor is a fink in the faculty of law.

2. The heroic engineers on The Gateway staff are insulted by your inferences that the engineering

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