



### Why do things look smaller at a distance?

It's amazing that physics has never adequately addressed this elementary question about one of nature's most obvious fundamental phenomena, for its answer is both very simple—and decidedly scientific—as even a brief consideration of the above diagram reveals.

Initially, we need only note that although light from every point on objects A and B naturally radiates omnidirectionally, its straightline propagation conjoins with the presence of a very small hole in an otherwise opaque barrier screen C to prevent all but the tiniest segment of this radiation from reaching the receptor screen D and forming inverted 'real images' of these objects. Once this is acknowledged, it's easy to see that the size of the resultant real images is directly related to their corresponding object's distance *d* from the barrier screen by the simple

mathematical formula  $S/d^2$ —the inverse square law for 'perceptual perspective'—according to which it follows that as objects A and B are situated, respectively, three and one unit(s) distance from the barrier screen, the square of the more distant object's real image (A's) must be—and is—only one-ninth the size of the square of the nearest object's real image (B's). In this, perceptual perspective is provocatively similar to that pivotal group of physical phenomena—gravity, magnetism, and electricity—whose intensity varies according to the inverse-square formula  $1/d^2$ .

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## McLAUGHLIN COLLEGE STUDENT COUNCIL FINANCIAL STATEMENTS APRIL 30, 1988

### AUDITORS' REPORT

To the Members  
McLaughlin College Student Council  
McLaughlin College, York University

We have examined the consolidated balance sheet of the McLaughlin College Student Council as at April 30, 1988 and the statements of income (loss) and surplus (deficit) for the Council and its subsidiary operations for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the McLaughlin College Student Council as at April 30, 1988 and the results of its operations for the year then ended in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

*[Signature]*  
SIMS + SAEED  
CHARTERED ACCOUNTANTS

August 18, 1988

### CONSOLIDATED BALANCE SHEET

	April 30	
	1988	1987
<b>ASSETS</b>		
<b>Current assets:</b>		
Cash		
Games Room	\$ 1,657	\$ 83
Pub and Coffee Shop	527	8,875
Athletics	93	-
Student council	3,726	6,370
McLaughlin Mirror	46	399
Orientation	356	2,160
Accounts receivable (Student Council)	6,405	17,887
	190	-
Fixed assets, at cost (note 1)	7,087	7,087
Less: Accumulated depreciation	2,706	1,610
	4,381	5,477
	\$ 10,976	\$ 23,364
<b>LIABILITIES AND SURPLUS (DEFICIT)</b>		
<b>Current liabilities:</b>		
Accounts payable (note 2)	\$ 15,736	\$ 23,581
<b>Surplus (deficit):</b>		
Beginning of year	(217)	9,108
Loss for the year	(4,543)	(9,325)
End of year	(4,760)	(217)
	\$ 10,976	\$ 23,364

### STATEMENT OF INCOME AND SURPLUS

	Year ended April 30	
	1988	1987
<b>Revenues:</b>		
Operating grant	\$ 52,305	\$ 50,078
Social and cultural affairs	7,347	6,117
Professional fees	1,365	1,125
Miscellaneous receipts	61,017	57,520
<b>Expenses:</b>		
Social and cultural affairs	17,139	26,686
York account (note 3)	5,728	3,914
Administration	10,890	6,112
Convocation (note 4)	-	2,500
Equipment and renovations	588	860
Professional fees	3,098	6,805
Alumni and external affairs	500	120
Weight program grant	500	-
College affairs	-	550
Bank charges	143	96
Miscellaneous	-	477
	\$ 38,586	\$ 48,120

Net income for the year	22,431	9,400
Surplus at beginning of year	55,888	46,488
Surplus at end of year	\$ 78,319	\$ 55,888

### SUMMARY SCHEDULE OF INCOME (LOSS) AND SURPLUS (DEFICIT) FOR THE YEAR ENDED APRIL 30, 1988

	Net income (loss)	Surplus (deficit) beginning of year	Surplus (deficit) end of year
Council	\$ 22,431	\$ 55,888	\$ 78,319
Orientation	(2,305)	(11,582)	(13,887)
McLaughlin Mirror	(866)	(8,689)	(9,555)
Pub and Coffee Shop	(16,271)	(7,289)	(23,560)
Athletics	(8,548)	(30,920)	(39,468)
Games Room	1,016	2,375	3,391
Total	\$ (4,543)	\$ (217)	\$ (4,760)

### NOTES TO FINANCIAL STATEMENTS APRIL 30, 1988

#### 1. Summary of accounting policies:

##### Funding-

The operations of the Council are funded by a combination of an operating grant from York University and revenues provided by the various revenue generating activities engaged in by the Council. The amount provided by the University is shown as a receipt for the subordinate operations. Transfers from the Council to the individual operations are not reflected in the statements of income (loss) and surplus (deficit).

Funding for social, cultural and other activities is provided by the University on the basis of enrollment at the College.

##### Fixed assets-

In previous years, the cost of additions to fixed assets, typically minor in amount, were being expensed as incurred. Beginning in the 1986 fiscal year all additions in excess of \$250 have been capitalized and depreciated on the following basis:

	Cost	Accumulated Depreciation	Method
Improvements	\$2,043	\$ 571	20% declining balance
Equipment	1,544	651	20% declining balance
Video screen	3,500	1,484	20% declining balance
	\$7,087	\$2,706	

One-half of the normal rate is taken in the year of acquisition.

#### 2. Accounts payable:

These consist of the following:

	1988	1987
Student Council	\$ 7,854	\$ 14,455
Pub and Coffee Shop	7,882	8,841
McLaughlin Mirror	-	285
	\$ 15,736	\$ 23,581

#### 3. The full cost of expenses paid through the University Account #11-410-30 is charged to the Student Council rather than allocated to the subordinate operations.

#### 4. Convocation expenses for the current year have been charged through the University Account.

#### 5. Certain of the 1987 comparative figures have been reclassified to conform with the financial statement presentation adopted for 1988.

## A soccer first

By CHRIS "HUNT" HURST

The soccer Yeowomen clinched first place in the OWIAA East after tying Queen's 1-1 at home last weekend.

With a 7-1 regular season record the Yeowomen needed either a win or tie against the Gaels to clinch first place. However, having lost to Queen's earlier in the season, the Yeowomen could not afford to take the match lightly.

The game was more or less even from the kickoff, with the Yeowomen taking a slight command because of a favourable wind. This edge enabled the Yeowomen to open the scoring just seven minutes into the first half.

Yeowoman Catherine Dooley broke down the wing and made a perfect cross into the middle. The pass was redirected by (York striker) Sue Copping on to right winger Kristin Bell's head, and then into the net. The goal put the Yeowomen on top 1-0.

In the second half, the Yeowomen were forced to contend with the wind that had favoured them in the first half. Assuming a defensive posture, the Yeowomen backfield took control. York sweeper Portia Barriffe and goalkeeper Cheryl Punnett put

in an exceptional effort that controlled the Queen's attack.

The Golden Gaels finally scored with just under five minutes remaining in the game to even the score. For the first time in the game, the possibility of a York loss became apparent. But the Yeowomen held off the Queen's attack to finish the game at 1-1.

The Yeowomen tie is something of a milestone. For Queen's, it was the first time that they had not finished first since the creation of the league.

"Since the beginning of the season, I thought we'd finish second, but we've been playing much better, and we deserve it," explained Yeowomen defensive ace Portia Barriffe.

Barriffe also had a rather positive prediction for the Yeowomen's post season play. "You're going to see us in BC (for the CIAU championship game). I don't know if we'll win but we're going to be in the final."

The Yeowomen will receive a by into the semi-finals because of their first place finish. They will face the winner of the McMaster and Toronto quarter-final match. The OWIAA tournament is set for this weekend in Kingston.

## Field Hockey

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us, not play the game. They are a strong team and they don't need to do it."

Despite the physical nature of the match, there was exciting end-to-end play. Both teams had several scoring opportunities in a scoreless first half.

Toronto pulled ahead about 10 minutes into the second half. The Yeowomen kept their composure, however, and sweeper Sharon Creelman blasted home a penalty corner to pull York even.

The game went down to the wire when Toronto was awarded a penalty corner in the last minute of play. After a scramble, the ball bounced in, crushing York's chances for overtime.

Following the game, coach van der Merwe was named Coach of the Year in the West division. In addition, York players Sandra Levy, Sharon Creelman, Cathy Timmins, and Dale Peltola were named to the Ontario All-Star team.

Ironically, York earned a wild-card berth to the CIAU championship this weekend at McGill. Depending on the outcome of their Friday games against St. Mary's and Victoria, the Yeowomen could conceivably meet the Blues again in the final.

Coach van der Merwe is concerned that her players "be aware of the enriched [competitive] environment" at the Canadians. Assistant coach Broderick feels that with teams like York, Toronto, Victoria, and UBC attending, [the matchups] will be very close."

## Rugby

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"In the first part of the second half we just fell asleep for 10 minutes and they capitalized. Before we knew it we were down by 10."

Both teams traded points in the final minutes of the game.

York's Chris Saunders narrowed the score to 13-6 with a successful penalty kick from short range. Queen's retaliated with a penalty kick of their own before Saunders closed the scoring with a 15-metre drop goal from in front of the posts to round out the 16-9 final.

For the Yeomen, it was a case of too little too late.

"In the second half we were waiting for something to happen. Everyone was looking to someone else,

but nothing happened," said Purdy. "When they scored their try, we got nervous and started checking the time. If we had've continued to play the way we did in the first half, we would have won."

Although the Yeomen were eliminated in the first round, their second place finish coupled with their 5-2 record is a complete turnaround from last year's dismal 2-5 last place finish.

Cluff attributed the turnaround to a new team atmosphere as well as the addition of assistant coach Bill Currie.

"This year the team had a completely different attitude. Everybody got along and the atmosphere was a lot more positive. Bill also made a big difference. He knows his rugby and is a great motivator for the team."

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