TABLES: University of Waterloo Distinguished Teacher Awards, 1976-1990

UNIVERSITY OF WATERLOO DISTINGUISHED TEACHER AWARDS, 1976-1990

ARTS (<i>16 awards</i>) [~230 faculty members]		SCIENCE (<i>12 awards</i>) [~148 faculty members]			ENGINEERING (9 awards) [~170 faculty members]			ENV. STUDIES (5 awards) [~69 faculty members]			HKLS (3 awards) [~51 faculty members]			MATHEMATICS (3 awards) [~149 faculty members]			
Davies Forsyth Griffin Koutsoyiannis Campbell Martin Letson McDaniel Suits Heier Ledbetter Westhues Downey Forster Sabaryn	History Classical St. Psychology Economics Philosophy English Sociology Philosophy Ger. & Sla. English Sociology Political Sc. French French	1976	Pathria Viswanatha Smith Downer Tchir Williams Greenhouse Irish Anderson Spafford Dixon	Physics Chemistry Biology Biology Chemistry Optometry	1977 1979 1980 1982 1984 1984 1986 1987 1988	[~170 fa Leipholz Lowe Farquhar Raithby Huseyin Jernigan Reilly van Heeswijk Hutchinson	Civil General Civil Mechanical Sys. Design Sys. Design Chemical Electrical Civil	1976 1978 1982 1983 1985 1986 1986 1989 1990	Gardiner Haldenby Krueger <i>Lerner</i> McBoyle	Geography Architecture Geography E. & R. St. Geography	1979 1981 1985 1987 1989	[~51 f	Dance Kinesiology	1979	[~149 fac	Applied C.S. C&O	ers] 1976 1978 1984
By Department: 4 awards 3 awards 2 awards 1 award		rds F C C S rd C S rd C	•	s; ngineering. Economics ring, Electronmental dies, Kines	, Fine Arts, rical Engined & Resource siology;	ering, General l Studies;	Engineering, 1	Mechanical En	olitical Scien	oproximate aver		es (%) b	y Faculty:	Science Environm Arts HKLS Engineeri Mathemat		8.1 (12/14 7.2 (5/69 7.0 (16/2) 5.9 (3/51) 5.3 (9/170 2.0 (3/149)) 30))))

- NOTES: 1. The proportion of awards to females is around twenty percent (10/48), about twice the sex ratio (~10%) among faculty members.
 - 2. Fifty-six percent (27/48) of awards have been made in twenty-six percent (11/~43) of the University's departments.
 - 3. The 48 awards have been made to faculty members in around three-quarters (31/~43) of the University's departments.

INFORMATION SOURCES ON DTAs: University of Waterloo COURIER, July, 1988, p. 16; University of Waterloo GAZETTE, March 22, 1989, p. 3 and March 28, 1990, p. 3.

University of Waterloo W. H. Cherry

Background: The University of Waterloo Distinguished Teacher Awards have been given annually since 1976. Originally, three awards were made each year (although there were *four* in 1983) but, starting in 1989, a fourth Award in a separate category (for teachers who are not regular faculty) was instituted. An announcement of the 1990 Awards in the University *Gazette* (March 28, page 3) included the following statement:

The criteria used to select UW's top teachers are described by Senate as follows: "The Distinguished Teacher Award is given in recognition of a continued record of excellence in teaching at the University of Waterloo. It is open to all those who teach students at the University of Waterloo and is not limited just to those holding faculty appointments. The Selection Committee will look for intellectual vigour and communication skills in the interpretation and presentation of subject matter. The teacher's human quality, the concern for and sensitivity to the needs of students, is an obvious indication that the nominee has a favourable and lasting influence on students. Evidence of successful innovation in teaching would also support a nomination, but it is also clear that excellence in teaching does not necessarily require innovation."

The selection committee consists of three undergraduate students, two graduate students, one alumnus, four members of faculty (including the teaching resource person) and the provost as chairman. They met twice to consider the nominations received from across campus.

This year 21 eligible nominations were considered. The committee reported that many of them were strong nominations supported by outstanding records of teaching and service to students.

- ☐ Using, where appropriate, the background information given above, what Answer(s) can you give from the data overleaf on page HL106.1 to the following Questions?
 - Is the selecting process for distinguished teachers at the University of Waterloo biased against instructors in the Faculty of Mathematics?
 - Are instructors in the Faculty of Mathematics generally poor teachers?
 - Is it appreciably easier to obtain a Distinguished Teacher Award in some University departments than in others? In each case, indicate explicitly how the data lead to your Answer and its limitations (using our six categories of overall error) or explain why the data do *not* provide an Answer.
- 2 Suggest an explanation for the higher proportion of Awards to females than to males (see Note 1 overleaf on page HL106.1).
- 3 Briefly explain which values are more useful in comparing Awards among Faculties: the *number* of Awards in each Faculty or the Award *rates*.
 - The numbers of faculty members in each Faculty, used in the calculation of the Award rates, refer to 1988. Discuss briefly whether this year provides an appropriate basis for the rate calculation.
- ☑ The comments given at the right appeared in the 'Letters' section of the University of Waterloo *Gazette* on April 10, 1991, a week or so after the announcement of the Distinguished Teacher Awards for 1991; three of the four 1991 awards (to W.H. Cherry, R.G.R. Lawrence and I.J. McGee) went to Mathematics and one (A.V. Morgan) to the Department of Earth Sciences in the Faculty of Science. On the basis of this information and the data given overleaf on page HL106.1, write a reply to the letter at the right from Professor Sahas, addressing the *statistical* issue(s) he raises.

1995-04-20

Why no 'top teachers' in faculty of arts?

It is always with joy and pride that I read the names of the "top teachers" and non-teachers at Waterloo. I am sure that the DTA Committee is at pains to be impartial in arriving at the three or four names every year among "many very strong nominations".

One may only wonder whether the largest faculty in this technological University has been doing such a bad job. Or is it that the Faculty of Arts is lately raising some uncomfortable questions for the University administration? Or is it that someone from above is trying to send a signal to the "irrelevant" Social Scientists and Humanists below? Or is it that a lack of communication and understanding, together with a crisis of identity, is reaching alarming proportions in this University? Or, heaven forbid, is it all of the above? Just wondering.

Daniel Sahas Religious Studies