

**DR. H. STANLEY AND DOREEN ALLEY HEAPS
CHAIR IN COMPUTING SCIENCE
Terms of Reference**

The principal objective of the residual bequest directed to StFX as stated in the will of Dr. H. Stanley Heaps is “to benefit academic programs at the university and it is not to be used for sport, entertainment or institutes not directly connected with mainstream academic programs.” That bequest will form part of the Dr. H. Stanley and Doreen Alley Heaps Endowment Fund, which was established at Dr. Heaps’ death June 12, 1999. A further legacy will be added to this fund by his wife, Doreen Alley Heaps.

It is intended that an endowment fund of approximately \$1 million will create the Dr. H. Stanley & Doreen Alley Heaps Chair which will carry out the wishes of Dr. H. Stanley Heaps and Doreen Alley Heaps by providing for the support, exploration, and advancement of computing science at StFX in certain specific ways. It is understood that details of the definition of computing science may change, but it is to be regarded as an applied science in itself with its base in applied mathematics and not as a branch of engineering, commerce, or business administration; though it may have some overlap with these fields; and constructive interaction with these disciplines is to be encouraged as should interaction with certain liberal arts eg: language and communication, ethics, philosophy, political science and social history.

As in any science, the use of the Endowment Fund for computing science will be concerned with the pursuit of truth, which may be variously defined. Computing Science will interact, as implied above, with the world as a whole. Computing science will touch many lives. Concerned, ethical, and competent faculty are essential to its constructive development.

Further, it is the intention of the principal benefactors that the Fund be directed to the support of individuals, be they scholars or students, and not for equipment or buildings and not to fund full-time faculty. The intention is to keep the fund working on the edge rather than in support of established structure; that support is the function of the university as a whole or of the state.

The Dr. H. Stanley and Doreen Alley Heaps Chair will be concentrated in two areas:

- 1. Support for the scholarly pursuit of computing science**
- 2. Scholarships and summer internships for computing science students.**

1. SCHOLARLY PURSUIT OF COMPUTING SCIENCE

The aim of the chair will be to support both pure basic research and new and significant applications. It will also be concerned with the management of technological change for the benefit of society as a whole, and not be concerned with technological change whose aim is financial gain for certain distinct sectors of that society.

Section A:

It is the intention to support faculty interested in such aims in specific ways:

1. New faculty may make application for bridge assistance which will serve as a supplement to their salaries and it should not exceed a period of 3 years. In this way, a small university, such as StFX, will be in an improved position to attract and retain such faculty, who once established, may stay. In no instance should such grants be regarded as a regular salary supplement. The university and the new faculty would decide on his/her future later. Both students and the new faculty would benefit initially. This faculty appointment would be referred to as the Alley Heaps Associate.
2. Exceptional faculty (already at the university) who are at the point of retirement may apply for a grant to allow them to remain as mentors on a consultative basis after retirement. Again such grants would be on a short-term basis and not be regarded as a regular subsidy. The purpose would be to benefit students and existing faculty through the continuing presence of one or another eminent scholars from the university for short terms. This faculty appointment would be referred to as the Alley Heaps Chair professor.
3. Eminent scholars from elsewhere, currently active in the field, could be nominated for a grant as the Alley Heaps Chair professor for short periods (2-4 months). The purpose is to benefit students and existing faculty with insights into new developments from a new voice. This faculty appointment would be referred to as the Alley Heaps Chair professor.

It is expected that the holder of a grant from the Alley Heaps Chair, either new or retired faculty, will interact with students either by taking part in the normal teaching load, supervising honor or graduate students, arranging and organizing, and presenting seminars.

The visiting Alley Heaps Chair professor would also be expected to interact with faculty and students but naturally those arrangements would be more flexible.

If there are no qualified candidates in a given year, then, the unused revenue would be added to the capital.

Computing science is both an academic discipline and a profession. As such, it needs proper certification and regulation just as do medicine, law, and engineering. All the latter involve academics and practitioners outside academe in the development of standards. Similarly, this relatively new and influential applied science/profession, computing science, needs informed regulations and legislation.

Within reason, the holder of the Alley Heaps Chair or faculty supported through the Alley Heaps Chair would be expected to be familiar with and take part in the activities of the professional bodies promoting or regulating computing science. For example, the Canadian Information Processing Society is working with the provincial regulatory authorities to provide formal certification for computing science.

Section B:

The procedure to make an appointment to the Alley Heaps Chair will be as follows:

1. The appointment of the Alley Heaps Chair professor shall be in a manner similar to that of an appointment to the regular faculty. Letters of invitation and appointment shall be sent by the academic Vice-President.
2. A statement describing the financial support paid to the Alley Heaps Chair professor shall accompany the letter of appointment. This statement, among other things, shall specify:
 - a) The salary and fringe benefits which are to be paid either directly to the appointee or to the permanent employer of the appointee.
 - b) Relocation expenses
 - c) Other expenses incidental to the appointment which the Alley Heaps Chair professor may require to carry out his/her duties and responsibilities specified in the letter of appointment.
3. Nominations to the Alley Heaps Chair may originate from hosting departments or from any member of the university community. In the latter case, the nominations must be made to the Chair of the hosting department and must be accompanied by a statement containing:
 - a) The reasons for the nominations
 - b) A budgetary allowance for the items mentioned in Section B, 2.

Section C:

Procedure for applying for grants from the Alley Heaps Chair:

1) StFX Faculty:

In consultation with the Dean of Science and Academic Vice President, the chair of the Department of Mathematics, Statistics, and Computing Science will make application in writing to the chair of the selection committee for a grant to provide supplement support for bright young faculty or faculty at the point of retirement. The application must outline the benefits to providing support and the expected outcome.

2) Visiting Scholars:

Eminent scholars could be nominated to hold the position of visiting scholar according to the procedure outline in Section B, 3.

Application for appointments to the Alley Heaps Chair and grants from the Alley Heaps Chair will be reviewed and approved by a special committee comprised of the Academic Vice President as chair, the Dean of Science, the chair of the Department of Mathematics, Statistics, and Computing Science, a faculty representative from the department and the chief fundraising officer or their representative.

Applications would be called for by February 15 each year and at other times as deemed necessary.

2. SCHOLARSHIPS & SUMMER INTERNSHIPS FOR COMPUTING SCIENCE STUDENTS

The fund will also be used to provide in course scholarships and, if suitable in certain instances, to provide summer internships for outstanding students of computing science. The scholarships will be awarded to students entering their 2nd, 3rd, or 4th year of study. Internships will be granted to students who will collaborate with faculty to conduct research throughout the summer.

Normally, up to 4 in-course scholarships for at least \$2,000 will be granted. In addition, up to 2 summer internships of at least \$4,000 will be granted.

Selection of the scholarships will be made by the University Scholarships & Awards Committee.

Selection of the summer internships in Computing Science will be made by a committee from the Department of Mathematics, Statistics, and Computer Science.

Funding

The Dr. H. Stanley and Doreen Alley Heaps Endowment Fund will be funded through the generosity of Dr. H. Stanley Heaps and Doreen Alley Heaps. The income derived from this endowment will be distributed while the capital will be retained. Approximately two thirds of the endowment will be designated to support the scholarly pursuit of computing science. One third will be designated for scholarships and summer internships for computing science students.

Doreen Alley Heaps

Date

Iain Boyd
Director of Advancement Relations

Date

Dr. Edward J. McAlduff
Dean of Science

Date

Dr. Sean E. Riley
President

Date