CANADIAN ASTRONOMICAL SOCIETY
SOCIÉTÉ CANADIENNE D'ASTRONOMIE

1994 MEMBERSHIP DIRECTORY
ANNUAIRE DES MEMBRES 1994

The CANADIAN ASTRONOMICAL SOCIETY / SOCIÉTÉ CANADIENNE D'ASTRONOMIE was founded in 1971 and incorporated in 1983 as a society of professional astronomers. The Society is devoted to the promotion and advancement of knowledge of the universe through research and education. Membership is open to persons with a professional involvement with these goals in astronomy and the related sciences. The main activities of the Society are its annual scientific meetings, the planning and realization of scientific projects, the support of the scientific activities of its members, and the dissemination of related information among members and other interested persons. The Society supports committees on Optical and Infrared Astronomy, Radio Astronomy, Space Astronomy, Theoretical Astronomy, Education, Heritage, and Awards. CASSIOPEIA, the quarterly newsletter of the Society, is published at the equinoxes and solstices.

La SOCIÉTÉ CANADIENNE D'ASTRONOMIE / CANADIAN ASTRONOMICAL SOCIETY a été fondée en 1971 et incorporée en 1983 comme société d'astronomes professionnels. La Société a pour but de favoriser l'accroissement et la promotion de notre connaissance de l'Univers par le biais de la recherche et de l'éducation. L'adhésion est ouverte aux personnes professionellement impliquées dans l'un de ces deux domaines, que ce soit en Astronomie ou dans une science connexe. Les activités principales de la Société sont les réunions scientifiques, l'étude et la réalisation de projets scientifiques, le soutien de l'activité scientifique de ses membres, et la diffusion d'informations concernant ces divers domaines aux membres et à toute personne intéressée. La Société a formé plusieurs comités: Astronomie optique et infra-rouge, Radioastronomie, Astronomie dans l'espace, Astronomie théorique, Education, Héritage, et Selection des lauréats. CASSIOPEIA, la publication trimestrielle de la Société, est publiée aux solstices et aux équinoxes.

CONTENTS

Current Board of Directors	p. 2
Officers of the Society	p. 3
Current Membership Statistics	p. 3
Meetings of the Society	p. 4
CASCA Annual Meetings	p. 4
CASCA Committees and their Membership	p. 5
Other related Committees	p. 5
Application for Canadian Telescope Time	p. 6
Institutional Newsletters	p. 6
CASCA Programs and Services	p. 7
Society Awards	p. 8
Canadian Astronomical & Related Institutions	p. 10
Updating the Directory	p. 17
Formule d'Admission des Membres	p. 18
Application for Membership	p. 19
Change of Address	p. 20
Membership List, Alphabetical	p. 21

© 1994 by the Canadian Astronomical Society
Printed in Canada

CANADIAN ASTRONOMICAL SOCIETY SOCIÉTÉ CANADIENNE D'ASTRONOMIE
CURRENT BOARD OF DIRECTORS

Terms expire as noted on page 3

President	Dr. Lloyd A. Higgs Dominion Radio Astrophysical Obs. P.O. Box 248 Penticton, BC, V2A 6K3	604-493-2277 I.“lah@drao.nrc.ca”
First Vice President	Dr. William E. Harris Department of Physics McMaster University Hamilton, ON, L8S 4M1	905-525-9140x22744 I.“harris@physun.physics .mcmaster.ca”
Second Vice President	Dr. Jean-René Roy Departement de Physique Universite Laval Sainte-Foy, PQ G1K 7P4	418-656-5816 I.“jrroy@phy.ulaval.ca”
Secretary	Dr. Austin F. Gulliver Dept. of Physics & Astronomy Brandon University Brandon, MB R7A 6A9	204-727-7441 I.“gulliver@brandonu.ca”
Treasurer	Dr. Christine M. Clement Department of Astronomy University of Toronto 60 St. George Street Toronto, ON, M5S 1A7	416-978-5186 I.“cclement@astro.utoronto.ca”
Directors	Dr. Slavek M. Rucinski Space Astrophysics Lab. / ISTS Department of Physics York University 4700 Keele Street North York, ON, M3J 1P3	416-665-5446 I.“rucinski@dorado.sal.ists.ca”
	Dr. Claude Carignan Departement de Physique Universite de Montreal C.P. 6128, Succ. A Montreal, PQ, H3C 3J7	514-343-6128 I.“claude@astro.umontreal.ca”
	Dr. Harvey B. Richer Dept. of Geophysics & Astronomy University of British Columbia Vancouver, BC, V6T 1Z4	604-822-4134 I.“richer@geop.ubc.ca”
Past President	Dr. Sidney van den Bergh Dominion Astrophysical Obs. 5071 West Saanich Road Victoria, BC, V8X 4M6	604-363-0006 I.“vandenbergh@dao.nrc.ca”

PAST AND PRESENT OFFICERS OF THE SOCIETY

Presidents

Helen S. Hogg	1971-72
Alan H. Batten	1972-74
Gilles Beaudet	1974-76
René Racine	1976-78
Carman H. Costain	1978-80
Gordon A. H. Walker	1980-82
Victor Gaizauskas	1982-84
John M. MacLeod	1984-86
Ernest R. Seaquist	1986-88
Georges J. Michaud	1988-90
Sidney van den Bergh	1990-92
Lloyd A. Higgs	1992-94

Vice-Presidents

Alan H. Batten	1971-72
Gilles Beaudet	1971-74
René Racine	1972-76
Carman H. Costain	1974-78
Gordon A. H. Walker	1976-80
Victor Gaizauskas	1978-82
John M. MacLeod	1980-84
Ernest R. Seaquist	1982-86
Christopher R. Purton	1984-86
Georges J. Michaud	1986-88
J. Michael Marlborough	1986-88
Sidney van den Bergh	1988-90
Lloyd A. Higgs	1988-92
William E. Harris	1990-94
Jean-René Roy	1992-94

Secretaries

Peter M. Millman	1971-77
Richard Bochonko	1977-83
Christopher Aikman	1983-89
Norman W. Broten	1989-92
Austin F. Gulliver	1992-95

Treasurers

Jeremy B. Tatum	1971-77
M. Pim Fitzgerald	1977-78
William H. McCutcheon	1978-80
Jeremy B. Tatum (acting)	1980-81
William H. McCutcheon	1981-83
John L. Climenhaga	1983-89
Christine M. Clement	1989-95

Directors

René Racine	1971-72
William L. H. Shuter	1971-74
Norman W. Broten	1972-75
Gretchen Hagen (Harris)	1972-75
Christopher R. Purton	1974-77
David Crampton	1975-78
Richard N. Henriksen	1975-78
John M. MacLeod	1977-80
Robert F. Garrison	1978-81
Jean-René Roy	1978-81
Anthony F. J. Moffat	1980-83
Alan H. Bridle	1981-84
Christopher J. Pritchet	1981-84
J. Michael Marlborough	1983-86
Bruce T. E. Campbell	1984-87
George F. Mitchell	1984-87
Peter G. Martin	1986-89
Serge Pineault	1987-90
Robert Roger	1987-90
Charles Dyer	1989-92
David Crampton	1990-93
A. Russell Taylor	1990-93
Slavek M. Rucinski	1992-95
Claude Carignan	1993-96
Harvey B. Richer	1993-96

CURRENT MEMBERSHIP OF THE SOCIETY

Type	Designation	Number
Ordinary Members		337
Student Members	(S)	89
Honorary Members	(H)	3
Corporate Members	(C)	3
	Total Membership	432

MEETINGS OF THE SOCIETY

	May 13-15, 1971	University of Victoria	Victoria	Founding Meeting
1	November 12-13, 1971	University of Toronto	Toronto	
2	May 11-13, 1972	Université de Montréal	Montreal	
3	May 10-12, 1973	University of Alberta	Edmonton	
4	June 10-13, 1974	Memorial University	St. John's	with CAP
5	November 7-9, 1974	University of Manitoba	Winnipeg	
6	June 18-21, 1975	Queen's University	Kingston	
7	June 16-18, 1976	Dominion Radio Astrophysical Obs.	Penticton	
8	May 25-27, 1977	University of Western Ontario	London	
9	May 24-26, 1978	University of Saskatchewan	Saskatoon	
10	May 23-25, 1979	University of British Columbia	Vancouver	
11	June 25-27, 1980	Saint Mary's University	Halifax	with RASC
12	May 27-29, 1981	Université de Laval	Quebec	
13	June 02-04, 1982	University of Toronto	Toronto	
14	June 27-30, 1983	University of Victoria	Victoria	with CAP
15	June 4-7, 1984	National Research Council	Ottawa	
16	May 27-31, 1985	University of Toronto	Toronto	with Planet. Assoc.
17	June 9-13, 1986	Dominion Radio Astrophysical Obs.	Penticton	
18	June 14-19, 1987	University of British Columbia	Vancouver	with AAS
19	May 30-June1, 1988	Trent University	Peterborough	
20	June 27-29, 1989	Université de Montréal	Montreal	
21	June 4-7, 1990	University of Calgary, Mt Royal Coll.	Calgary	
22	June 10-12, 1991	York University	Toronto	
23	June 28-30, 1992	Saint Mary's University	Halifax	
24	June 1-4, 1993	University of Victoria; DAO	Victoria	
25	May 25-28, 1994	University of Western Ontario	London	
26	May 27-30, 1995	Dominion Radio Astrophysical Obs.	Penticton	
27	1996	Queen's University	Kingston	
28	1997	University of Alberta	Edmonton	

CASCA ANNUAL MEETINGS

CASCA Annual Meetings are open to all interested persons (whether belonging to the Society or not) who register in attendance. Presentation of scientific papers is restricted to members *or* applicants for membership *or* temporary residents of Canada who are sponsored by a present member *or* other speakers invited by the Local Organizing Committee. Excluding invited talks, a person can present (as first-named author) only one paper, either as an oral or poster presentation. However, his/her name may appear on additional papers as an additional co-author. Papers of absentee authors will not be presented, except by title only.

CASCA COMMITTEES AND THEIR MEMBERSHIP

AWARDS COMMITTEE:
W. Wehlau *(Chair)*, P. Bastien (RASC), D. Hartwick, D. Routledge.

EDUCATION COMMITTEE:
R. Bochonko *(Chair)*, P. Bastien, R. Bishop, T. Clarke, P. Delaney, D. Forbes, J. Penfold, R. Robb, D. Turner.

ELECTROMAGNETIC POLLUTION AND SPACE DEBRIS COMMITTEE:
G. Hill *(Chair),* T. Bolton, R. Roger, D. Morton.

HERITAGE COMMITTEE:
R. Jarrell *(Chair),* A. Batten, D. Fernie, C. Klatt, G. Milone.

NOMINATING COMMITTEE:
S. van den Bergh *(Chair)*, L. Avery, R.Racine.

OPTICAL AND INFRARED ASTRONOMY COMMITTEE:
D. Welch *(Chair)*, D. Crabtree, T. Davidge, G. Joncas, P.Kronberg, J. Landstreet, D. Nadeau.

RADIO ASTRONOMY COMMITTEE:
R. Taylor *(Chair)*, N. Duric, G. Joncas, P. Kronberg, S. Pineault, R. Redman, C. Rogers.

SPACE ASTRONOMY COMMITTEE: [1]
D. Leahy *(Chair)*, T. Bolton, H. Matthews, G. Mitchell, S. Rucinski, F. Wesemael, *Ex officio:* G. Atkinson, D. Morton, L. Higgs.

THEORETICAL ASTRONOMY COMMITTEE:
M. Marlborough *(Chair)*, P. Bastien, M. Duncan, G. Fahlman, G. Mitchell, D. Vandenberg.

[1] Reports also to the Advisory Board - Herzberg Institute of Astrophysics and the Canadian Space Agency.

OTHER RELATED COMMITTEES

ADVISORY BOARD, HERZBERG INSTITUTE OF ASTROPHYSICS, NATIONAL RESEARCH COUNCIL OF CANADA:
G. Rostoker (U. Alberta) *(Chair)*, R. Bullock (NRC / Bristol Aerospace), L. Cogger (U. Calgary), M. Fich (U. Waterloo), P. Lavigne (Nat. Optics Inst.), R. M. Lees (U. N. B.), P. G. Martin (CITA), J. B. Rice (Brandon U.), J-R Roy (U. Laval), A. R. Taylor (U. Calgary), D.L. Welch (McMaster U.), N. K. Sherman (NRC)*(Secretary).*
Ex officio: D. C. Morton (HIA), C. Willis (HIA).

CANADIAN NATIONAL COMMITTEE FOR THE IAU:
The Board of Directors of the Society acts as the Canadian National Committee for the IAU.

CITA COUNCIL:
K. Innanen *(Chair),* D. Hartwick, P. Gooch *(University of Toronto representative)*, G. Mitchell, L. Nelson, S. Tremaine *(Director)*, D. Vandenberg.

APPLICATION FOR CANADIAN TELESCOPE TIME

Blank forms are available from, and completed forms should be submitted to, the appropriate addresses below.

CANADA-FRANCE-HAWAII TELESCOPE:
Canadian Applications Committee for the CFHT
Room 2003, HIA/NRC, 100 Sussex Drive, Ottawa, ON, K1A 0R6, (613-990-0910), Fax(613-952-6602)
I."dcm@hiaras.hia.nrc.ca".
Deadlines: September 1 *for February-July* (semester 1), March 1 *for August-January* (semester 2)

DOMINION ASTROPHYSICAL OBSERVATORY:
R.D. McClure, DAO, 5071 West Saanich Road, Victoria , V8X 4M6 (604-363-0021), Fax(604-363-0045)
I."mcclure@dao.nrc.ca".
Deadlines: One month prior to each calendar quarter (i.e. Dec. 1, March 1, June 1 & Sept. 1)

DOMINION RADIO ASTROPHYSICAL OBSERVATORY:
Lloyd Higgs, *(Director)*, DRAO, P.O. Box 248, Penticton, BC, V2A 6K3
I."lah@drao.nrc.ca", (604-493-2277), Fax(604-493-7767)
Deadlines: October 15 for *January-June*, April 15 for *July-December*.

JAMES CLERK MAXWELL TELESCOPE:
Blank application forms: JCMT Group, HIA, NRC, Ottawa, K1A 0R6
I."hiaras.hia.nrc.ca", (613-993-6539), Fax(613-993-6004)
Completed applications: Office of the Director-General, Herzberg Institute of Astrophysics, National Research Council of Canada, 100 Sussex Drive, Ottawa, Canada, K1A 0R6 (613-990-0907) Fax(613-952-6602)
Deadlines: September 30 *(for February-July)* and March 31 *(for August-January)*
N.B.: Toute membre de la communauté scientifique canadienne qui préfère présenter une demande en français devrait l'envoyer au Donald Morton, *(Directeur Général)*, Institut Herzberg d'Astrophysique, au moins 21 jours avant la date limite (c'est à dire le 9 Septembre ou le 10 Mars).

UNIVERSITY OF TORONTO SOUTHERN OBSERVATORY at LAS CAMPANAS:
Robert Garrison, DDO, P.O. Box 360, Richmond Hill, ON, L4C 4Y6
Deadlines: November 1 *(for January-June)*, May 1 *(for July-December)*

INSTITUTIONAL NEWSLETTERS

CFHT INFORMATION BULLETIN
Olivier Le Fèvre, *Editor,* CFHT, P.O. Box 1597, Kamuela HI 96743, (808-885-7944)

CITA NEWSLETTER
Margaret Fukunaga, *Circulation*, Canadian Institute for Theoretical Astrophysics, 60 St. George Street, Toronto, M5S 1A1, (416-978-6879)

DAO NEWSLETTER
Daniel Durand, *Editor,* DAO, 5071 West Saanich Road, Victoria, V8X 4M6, (604-363-0052)

DAVID DUNLAP DOINGS, DDO NEWSLETTER
J. D. Fernie *Editor,* B. Beattie *Associate Editor*
David Dunlap Observatory, P.O. Box 360, Richmond Hill, L4C 4Y6, (905-884-9562)

DRAO NEWSLETTER
Gerald Moriarty-Schieven, *Editor,* DRAO, Box 248, Penticton, V2A 6K3, (604-490-4324)

JCMT NEWSLETTER
Graeme Watt, *Editor,* JCMT Section, Royal Observatory, Edinburgh, Blackford Hill, Edinburgh, EH9 3HJ, United Kingdom, (44-31-668-8310); Jacques Vallee,*Canadian Editor*, JCMT Group, HIA, National Research Council, 100 Sussex Drive, Ottawa, Canada, K1A 0R6, Fax (613-993-6004), I."vallee@hiaras.hia.nrc.ca"

SRO NEWSLETTER
The Director, Space Research Operations, Space Division, NRC,Ottawa, K1A 0R6

CASCA PROGRAMS AND SERVICES

SCIENTIFIC PLANNING

One of the major raisons d'être of CASCA is to serve as a national forum for scientific planning in astronomy. Although this function is served in part by the annual meetings of the Society, and by our newsletter, *Cassiopeia*, both of which serve to examine existing and proposed projects and facilities in astronomy on a regular basis, the committees of CASCA also serve as a vital element of the planning process. For this reason, members should feel free to raise an opinion or propose a scientific project at any time to the appropriate CASCA committee, with a copy of their submission being sent concurrently to the president of the Society.

CASSIOPEIA

Cassiopeia is the quarterly newsletter of CASCA, published at the solstices and equinoxes. Members are invited to submit letters or articles of interest, Departmental or Observatory news, instrumentation ideas or proposals, symposium and meeting reports, and so forth, for publication in *Cassiopeia*. Submission of material by electronic mail to I."jpenfold@mtroyal.ab.ca" is preferred:. Alternatively, typed material may be mailed to Jack Penfold, Editor, Cassiopeia, Dept. of Mathematics, Physics & Engineering, Mount Royal College, 4825 Richard Rd. S.W., Calgary, AB, T3E 6K6. Please see recent issues for submission deadlines and column formats, or contact Jack Penfold at 403-240-6029 or 403-240-6664 (FAX).

CASCA EMPLOYMENT REGISTRY

CASCA members may receive notices of available positions in astronomy on an ongoing basis by request to: CASCA Employment Registry, c/o Douglas Forbes, Department of Physics, Sir Wilfred Grenfell College, Memorial University, Corner Brook, NF, A2H 6P9, I."dforbes@leif.ucs.mun.ca".
Members are asked to inform the Employment Registry of any positions in astronomy they know to be available. *Please advise at least 6 weeks in advance of the application deadline whenever possible.*

UNIVERSE IN THE CLASSROOM

Universe in the Classroom is a newsletter on astronomy for teachers, librarians and youth group leaders. It is published three times annually (autumn, winter and spring) and is distributed free of charge to educators who request it on institutional stationary to the publisher: Astronomical Society of the Pacific (Newsletter Department), 390 Ashton Avenue, San Francisco, CA 94122, U.S.A. CASCA is a co-sponsor of this newsletter, along with the Astronomical Society of the Pacific, the American Astronomical Society, and the International Planetarium Society.

SURPLUS JOURNALS PROGRAM

CASCA is collecting and redistributing astronomical journals and books which are surplus to their present owners' needs. These materials will be sent in collaboration with the Canadian Organization for Development through Education (CODE) to its appropriate member countries overseas. If you possess

or know of a significant collection of astronomical journals (whether bound or unbound) which are no longer needed, please contact Alan Batten (604-363-0009). Journal binding expenses for this program are funded in part by member donations to the Society.

CANADIAN ASTRONOMICAL SOCIETY AWARDS

CARLYLE S. BEALS AWARD

The Carlyle S. Beals Award was established by CASCA in 1981 in recognition of the groundbreaking research of the late C.S. Beals. The Beals Award of $1000 is awarded to a Canadian astronomer or an astronomer working in Canada, in recognition of outstanding achievement in research, either as a specific achievement or as a lifetime of innovative research. Since 1988, the recipient has been invited to address the Society at its Annual Meeting, and his or her expenses to attend the meeting are covered by the Society.
An award is now considered every second year, on even-numbered years. Candidates for the award may be nominated by at least two members of CASCA, who shall submit a letter or letters of recommendation and curriculum vitae on behalf of the candidate to the Awards Committee, by the November preceding an award year. *The next nominations deadline is October 15, 1994.*

Beals Award recipients to date have been:

1982	John B. Hutchings	
1985	Anne B. Underhill	
1988	Sidney van den Bergh	“Supernovae and their Remnants”
1990	Scott Tremaine	“Is the Solar System Stable”
1992	René Racine	“Support for Astronomy”

R.M. PETRIE PRIZE LECTURE

The Petrie Lecture is an invited discourse by an outstanding astrophysicist which is held at Annual Meetings of the Society in alternate (currently odd-numbered) years, in memory of the significant contributions to astrophysical research by the late Robert M. Petrie. The Petrie Lecture originated under the auspices of the Canadian National Committee for the IAU, prior to the existence of the Society, and was revived by the Society in 1977 as a regular event. Nominations for the Petrie Lecture can be made by submitting the name of a nominee to the Awards Committee at any time. *Nominations for the 1995 Lecturer should be received by October 15, 1994.*

Petrie Lecturers to date have been:

1970	A. G. W. Cameron	“The Chemical Evolution of the Galaxy”
1971	Jesse L. Greenstein	“Pre-White Dwarf Evolution”
1971	C. S. Beals	“Forms of Impact Craters Related to the Thermal History of the Lunar Surface”
1977	J. Beverly Oke	“Seyfert Galaxies and Quasars”
1979	Geoffrey Burbidge	“The Redshift Problem”
1981	Hubert Reeves	“La Physique des Premiers Temps de l'Univers”
1983	M. J. Plavec	“Strongly Interacting Binary Stars”
1985	Charles Townes	“The Galactic Centre”
1987	Henry Matthews	“C3H2 - A New Probe of the Interstellar Medium”
1989	P. J. E. Peebles	“Tracing the Orbits of Galaxies back in Time”
1991	P. B. Stetson	“Progress in CCD Photometry”
1993	Maarten Schmidt	“From Galactic Structure to Quasars”

HELEN SAWYER HOGG PRIZE LECTURE

The Helen Sawyer Hogg Lecture was initiated in 1985 by the Canadian Astronomical Society with the participation of the Royal Astronomical Society of Canada, the Planetarium Association of Canada, and the Royal Canadian Institute. It continues as an annual public lecture co-sponsored by CASCA and the RASC, given alternately at the annual meetings of both societies, in recognition of the sustained and diverse contributions of Helen Sawyer Hogg to public appreciation of the universe around us. Selection of the Lecturer is made by a committee consisting of the Presidents of CASCA and the RASC, and the chairman of the Local Organizing Committee hosting the meeting (either CASCA or RASC).

Sawyer Hogg Lectures to date have been:

1985	Owen Gingerich	"The Mysterious Nebulae, 1610-1924"
1986	Barry Madore	"The Hubble Space Telescope"
1987	René Racine	"Small is Beautiful: The Quest for High Resolution Imaging in Astronomy"
1988	Hubert Reeves	"Early Moments of the Universe"
1989	Roger Cayrel	"La construction du téléscope CFH"
1990	Joseph Veverka	"Exploration of the Solar System: Voyager and Beyond"
1991	Kimmo A. Innanen	"The Prediction and Discovery of a New Solar System Object: The Planetary Trojan Asteroids"
1992	Alan R. Hildebrand	"The Cretaceous / Tertiary Boundary Impact (or the Dinosaurs Didn't Have A Chance)"
1993	Margaret Geller	"Mapping the Universe: So Many Galaxies, So Little Time"

J.S. PLASKETT MEDAL

The Plaskett Medal is a joint award of Royal Astronomical Society of Canada and the Canadian Astronomical Society, in recognition of the pivotal role played by John Stanley Plaskett in the establishment of astrophysical research in Canada. The award, consisting of a gold medal, may be made annually to the graduate of a Canadian university who is judged to have submitted the most outstanding doctoral thesis in astronomy or astrophysics in the preceding two calendar years.
A candidate for the award should be nominated by the head of his or her astronomy and/or physics department, from among the doctoral graduates of that department in the preceding two years. The Department head should submit a letter of recommendation and four copies of the nominee's thesis to the CASCA Awards Committee, prior to January 15 of each year.

Plaskett Medal recipients to date have been:

1988	Richard O. Gray
1989	Peter Leonard
1990	Pierre Bergeron
1991	Paul Charbonneau
1992	Eric Poisson
1993	Pierre Brassard

CANADIAN ASTRONOMICAL & RELATED INSTITUTIONS

ACADIA UNIVERSITY
Department of Physics, Wolfville, NS, B0P 1X0
902-542-2201

ALBERTA, UNIVERSITY OF
Department of Physics, Edmonton, AB, T6G 2J1
403-492-4127 (Office)
403-987-3933 (Devon Observatory)
Department of Electrical Engineering, Edmonton, AB, T6G 2G7
430-492-3332
Telex 037-2979

BRANDON UNIVERSITY
Department of Physics & Astronomy, Brandon, MB, R7A 6A9
204-728-9680
204-728-7346 (FAX)

BRITISH COLUMBIA, UNIVERSITY OF
Department of Geophysics & Astronomy, 129 - 2219 Main Mall, Vancouver, BC, V6T 1Z4
604-822-2267 (Office)
604-822-6186 (Observatory)
Telex: 045-4245
Department of Physics, Vancouver, BC, V6T 1Z1
604-822-3853
Telex 045-08576

BURKE-GAFFNEY OBSERVATORY
Saint Mary's University, Halifax, NS, B3H 3C3
902-420-5400

CALGARY CENTENNIAL PLANETARIUM
701 - 11 Street S.W., P.O. Box 2100, Calgary, AB, T2P 2M5
403-264-4060 or 264-2030

CALGARY, UNIVERSITY OF
Department of Physics & Astronomy, Calgary, AB, T2N 1N4
403-220-5385 (Office)
403-931-2366 (Rothney Astrophysical Observatory)
403-289-3331 (FAX)
Telex 038-21545

CANADA-FRANCE-HAWAII TELESCOPE
Box 1597, Kamuela, HI 96743, U.S.A.
808-885-7944 (Waimea)
808-935-7606 (Hale Pohaku - front desk and dining room)
808-961-2630 (Summit)
808-935-9001 (Hale Pohaku - CFHT office)
808-961-2639 (Summit)

CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION

National Research Council, Ottawa, ON K1A 0S2

613-993-1600 (Inquiries)
613-993-2441 (24-hour information)
613-993-2103 (Literature search)
613-993-1585 (Lending / photocopy)
613-993-1210 (CAN/OLE & CAN/SDI)
613-993-3449 (Serials location within Can.)
613-232-2495 (National Science Film Library)
Telex: 053-3115

CANADIAN INSTITUTE FOR THEORETICAL ASTROPHYSICS

McLennan Physical Laboratories, University of Toronto, 60 St. George Street, Toronto, ON, M5S 1A7
416-978-6879

CANADIAN ASTRONOMY DATA CENTRE

see Dominion Astrophysical Observatory

CARLETON UNIVERSITY

High Energy Physics Group, Herzberg Building, Ottawa, ON
613-957-8594

CLIMENHAGA OBSERVATORY

University of Victoria, Victoria, BC, V8W 2Y2
604-721-7747
Telex 049-7222
DATAPAC 68100256

DAVID DUNLAP OBSERVATORY

P.O. Box 360, Richmond Hill, ON, L4C 4Y6
905-884-9562 and 884-1396
Telex 069-86766
DATAPAC 91600097

DOMINION ASTROPHYSICAL OBSERVATORY

Herzberg Institute of Astrophysics, National Research Council
5071 West Saanich Road, Victoria, BC, V8X 4M6
604-363-0001 (Office)
604-363-0007 (Director)
604-363-0004 (Administrator)
604-363-0045 (FAX)
604-363-0003 (FAX operator)
604-363-0025 (Canadian Astronomy Data Centre)
604-363-0024 (Gemini Canadian Project Office)
604-363-6970 (FAX)
604-363-0037 (1.85-m)
604-363-0038 (1.22-m)
604-363-0015 (electronics lab)
604-363-0035 (instrument shop)
604-363-0040 (PDS room)

DOMINION RADIO ASTROPHYSICAL OBSERVATORY

Herzberg Institute of Astrophysics, National Research Council
P.O. Box 248, Penticton, BC, V2A 6K3
604-493-2277 (Office)
604-490-4304 (Director)
604-490-4303 (Administrator)
604-493-7767 (FAX)
604-490-4305 (Synthesis Telescope Inquiries)
604-490-4345 (Solar Patrol)
604-490-4322 (RadioAstron Project)
604-490-4358 (RadioAstron Laboratory)

EDMONTON SPACE SCIENCES CENTRE

Coronation Park, 11211 - 142 Street, Edmonton, AB, T5M 4A1
403-451-6516

ELGINFIELD OBSERVATORY

University of Western Ontario, London, ON, N6A 3K7
519-225-2620
Telex 064-7134

GLOBAL DYNAMICS SECTION

Energy, Mines & Resources Canada, 1 Observatory Crescent, Ottawa, ON, K1A 0Y3
613-995-5302

GEMINI CANADIAN PROJECT OFFICE

see Dominion Astrophysical Observatory

GUELPH, UNIVERSITY OF

Department of Physics, Guelph, ON, N1G 2W1
519-824-4120

HALIFAX PLANETARIUM

Nova Scotia Museum, Summer Street, Halifax, NS, B3H 3A6
902-429-4610

HERZBERG INSTITUTE OF ASTROPHYSICS

National Research Council, 100 Sussex Drive, Ottawa, ON, K1A 0R6
613-990-0907 (Director General)
613-990-0910 (Director General's Office)
613-990-0913 (Administration)
613-993-6543 (Director, Radio Astronomy, Solar Terrestrial Physics and Optical Components)
613-952-6602 FAX (Director General, Administration and Director, RA, STP and Optics)
613-993-6539 (JCMT Group)
613-993 6004 FAX
613-990-0920 (Laboratory Spectroscopy Group)
613-952-0974 FAX
613-993-2099 (Optical Components Research Group)
613-954 3338 FAX
613-990-0700 (Solar-Terrestrial Physics)
613-952 6605 FAX
604-363-0001 (DAO Victoria)
604-363-0045 FAX
604-493-2277 (DRAO Penticton)
604-493-7767 FAX

INSTITUTE HERZBERG D'ASTROPHYSIQUE

Conseil national de recherches, rue 100 Sussex, Ottawa, ON, K1A 0R6

613-990-0907 (Directeur général)
613-990-0910 (Bureau du Directeur général)
613-990-0913 (Administration)
613-993-6543 (Directeur, Programme de radioastronomie, Physique des relations soleil-terre, et Optiques)
613-952-6602 FAX (Directeur général, Administration et Directeur, radioastronomie, physique des relations soleil-terre, et composants optiques)
613-993-6539 (Groupe du Télescope James Clarke Maxwell)
613-993 6004 FAX
613-990-0920 (Groupe du Laboratoire de spectroscopie)
613-952-0974 FAX
613-993-2099 (Groupe de recherche sur les composants optiques)
613-954 3338 FAX
613-990-0700 (Physique des relations soleil-terre)
613-952 6605 FAX
604-363-0001 (Observatoire fédéral d'astrophysique)
604-363-0045 FAX
604-493-2277 (Observatoire fédéral d'radioastrophysique)
604-493-7767 FAX

JAMES CLERK MAXWELL TELESCOPE

Joint Astronomy Centre, 660 N A'ohoku Place, University Park, Hilo, HI 96720, U.S.A.

808-961-3756 (Main Office in Hilo)
808-961-6516 FAX (Main Office)
808-935-0852 (JCMT on Mauna Kea)
808-935-5493 FAX (JCMT on Mauna Kea)
808-935-7606 (Hale Pohaku front desk and dining room)
808-969-7624 FAX (Hale Pohaku)

LAKEHEAD UNIVERSITY

Department of Mathematical Sciences, Thunder Bay, ON, P7B 5E1

807-345-2121

LAVAL, UNIVERSITÉ DE

Département de Physique, Québec, PQ, G1K 7P4

418-656-2990

Département de Sciences Géodesiques & de Télédétection, Québec, PQ, G1K 7P4

LETHBRIDGE, UNIVERSITY OF

Department of Physics, Lethbridge, AB, T1K 3M4

403-329-2111

MACMILLAN PLANETARIUM

1100 Chestnut Street, Vancouver, BC, V6J 3J9

604-736-4431

MANITOBA PLANETARIUM

190 Rupert Avenue, Winnipeg, MB, R3B 0N2

204-956-2830

MANITOBA, UNIVERSITY OF

Department of Mathematics & Astronomy, Winnipeg MB, R3T 2M8

204-474-9501 (Office)
204-883-2567 (Glenlea Observatory)

McCALLION PLANETARIUM
Department of Physics and Astronomy, McMaster University, Hamilton, ON, L8S 4M1
905-525-9140x27777
905-546-1252 (FAX)

McLAUGHLIN PLANETARIUM
100 Queen's Park Crescent, Toronto, ON, M5S 2C6
416-586-5736

McMASTER UNIVERSITY
Department of Physics and Astronomy, Hamilton, ON, L8S 4M1
905-525-9140x24559
905-525-9140x24558 (Graduate Student Inquiries)
905-546-1252 (FAX)

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
Department of Physics, Saint John's, NF, A1B 3X7
709-737-8736

MONT MÉGANTIC, OBSERVATOIRE ASTRONOMIQUE DU
C.P. 24, Notre-Dame-des-Bois, Mégantic-Compton, PQ, J0B 2E0
819-888-2822 (Observatoire)
514-343-6718 (Directeur)

MONTRÉAL, PLANETARIUM DE
1000 Rue St. Jacques Ouest, Montréal, PQ, H3C 1G7
514-872-4530

MONTRÉAL, UNIVERSITÉ DE
Département de Physique, C.P. 6128, Succursale A, Montréal, PQ, H3C 3J7
514-343-6667

MOUNT ALLISON UNIVERSITY
Department of Physics, Sackville, NB, E0A 3C0
506-536-2040

MOUNT ROYAL COLLEGE
Department of Mathematics, Physics & Engineering, 4825 Richard Road S.W., Calgary, AB, T3E 6K6
403-240-6111

NATIONAL MUSEUM OF SCIENCE & TECHNOLOGY
1867 St. Laurent Boulevard, Ottawa, ON, K1A 0M8
613-998-4566

NATIONAL RESEARCH COUNCIL OF CANADA
Montreal Road, Ottawa, ON K1A 0R6
613-993-9101 (General Inquiry)
613-993-2054 (NRC Publications)
613-745-1576 (Time Signal)
613-745-9426 (Horloge Parlante)

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL
200 Kent Street, Ottawa, ON, K1A 1H5
613-996-7559 (Secretariat)
613-995-5992 (Newsletter: CONTACT)
613-995-5833 (Research Grants)
613-995-5810 (Operating Grants)

OBSERVATOIRE FÉDÉRAL D'ASTROPHYSIQUE

Institut Herzberg d'astrophysique, Conseil national de recherches,5071 Chemin West Saanich, Victoria, C-B, V8X 4M6
604-363-0001 (Renseignements)

OBSERVATOIRE FÉDÉRAL DE RADIOASTROPHYSIQUE

Institut Herzberg d'astrophysique, Conseil national de recherches, C.P. 248, Penticton, C-B, V2A 6K4
604-493-2277

OTTAWA, UNIVERSITY OF

Department of Physics, Ottawa, ON, K1N 6N5
613-564-3356

QUEEN'S UNIVERSITY

Department of Physics, Kingston, ON, K7L 3N6
613-545-2712
Telex 066-3244
FAX 613-545-6463

ROYAL ASTRONOMICAL SOCIETY OF CANADA

National	136 Dupont Street, Toronto, ON, M5R 1V2
	Rosemary Freeman (Exec. Sec) 416-221-2950, FAX 416-968-6687
	l."RASC@vela.astro.utoronto.ca"
	Randall C. Brooks (National Secretary) 416-924-7973, FAX 902-494-5191
Calgary	c/o Calgary Centennial Planetarium,P.O. Box 2100, Calgary, AB, T2P 2M5
	Glenn Hawley (Secretary) 403-259-6547
Edmonton	c/o Edmonton Space and Sciences Centre, 11211-142 Street, Edmonton, AB, T5M 4A1
	Bruce McCurdy (Secretary) 403-455-3236
Halifax	c/o Nova Scotia Museum, 1747 Summer Street, Halifax, NS, B3H 3A6
	Jason Adams (Secretary) 902-864-9783
Hamilton	P.O. Box 1223, Waterdown, ON, L0R 2H0
	Garry Woodcock (Secretary) 905-822-3906
Kingston	P.O. Box 1793, Kingston, ON, K7L 5J6
	Kimberley Hay (Secretary) 613-549-6198
Kitchener-Waterloo	
	Jeff Brunton (Secretary)
London	P.O. Box 842, Station 'B', London, ON, N6A 4Z3
	Grant Carscallen (Secretary) 519-657-0842
C.F.de Montréal	C.P. 206, St. Michel, Montréal, PQ, H2A 3L9, 514-728-4422
	Pierre Paquette (Secrétaire)
Montréal	P.O. Box 1752, Station 'B', Montréal, PQ, H3B 3L3
	Dominique Mackenzie (Secretary)
Niagara	P.O. Box 241, Niagara Falls, ON, L2E 6T3
	Ron Gasparini (Secretary) 905-984-3065
Ottawa	P.O. Box 6617, Station 'J', Ottawa, ON, K2A 3Y7
	Jane Lund (Secretary)
Québec	C.P. 9396, Ste-Foy, PQ, G1V 4B5
	Clermont Vallieres (Secrétaire) 418-835-3973
Regina	P.O. Box 6735, Regina, SK, S4S 7E6
	Doug Hala (Secretary)
St. John's	c/o Dennis Ryan (Secretary), 74A Moores Dr., Mt. Pecal, NF, A1N 3R4
Sarnia	c/o Alice Lester (Secretary), 1091 Emily Street, Mooretown, ON, N0N 1T0
Saskatoon	P.O. Box 317, Sub P.O. #6, Saskatoon, SK, S7N 0W0
	Bill Hydomako (Secretary) 304-384-4781

Thunder Bay	c/o Bob Bishop (Secretary), 135 Hogarth St., Thunder Bay, ON, P7A 7H1 807-767-5689
Toronto	c/o McLaughlin Planetarium, 100 Queen's Park, Toronto, ON, M5S 2C6 416-724-7827
Vancouver	c/o Gordon Southam Obs., 1100 Chestnut Street, Vancouver, BC,V6J 3J9 Mrs. S. Baker (Secretary) 604-324-3309
Victoria	F. W. Almond (Secretary) 604-478-6718
Windsor	(Secretary) 519-945-3132
Winnipeg	Room 110, St. Paul's College, 430 Dysart Road, Winnipeg, MB, R3T 2M6 Gil Raineault (Secretary) 204-253-4989

ROTHNEY ASTROPHYSICAL OBSERVATORY

University of Calgary, Calgary, AB, T2N 1N4
403-931-2366
Telex 038-21545

SAINT MARY'S UNIVERSITY

Department of Astronomy and Physics, Halifax, NS, B3H 3C3
902-420-5400

SASKATCHEWAN, UNIVERSITY OF

Department of Physics, Saskatoon, SK, S7N 0W0
306-966-6393

SIMON FRASER UNIVERSITY

Department of Physics, Burnaby, BC, V5A 1S6
604-291-4465
Telex 043-54614

SPACE ASTROPHYSICS LABORATORY

see York University

SPACE SCIENCE PROGRAM

Canadian Space Agency, 100 Sussex Drive, Ottawa, ON, K1A 0R6
613-990-0798 (Director, B. L. Wetter)

SOUTHAM OBSERVATORY

1100 Chestnut Street, Vancouver, BC, V6J 3J9
604-738-2855

TORONTO, UNIVERSITY OF

Department of Astronomy, 60 St. George Street, Toronto, ON, M5S 1A7
416-978-3149
FAX 416-971-2026
DATAPAC 91600097
David Dunlap Observatory, P.O. Box 360, Richmond Hill, ON, L4C 4Y6
905-884-9562
FAX 905-884-2672
Scarborough College, 1265 Military Trail, West Hill, ON, M1C 1A4
Las Campanas Observatory, c/o CARSO, Colina El Pino, La Serena, Chile

TRENT UNIVERSITY

Department of Physics, Peterborough, ON, K9J 7B8
705-748-1011

VICTORIA, UNIVERSITY OF

Department of Physics and Astronomy, P.O. Box 3055, Victoria, BC, V8W 3P6
604-721-7700 (Office)
604-721-7750 (Lab)
604-721-7749 (Chart Room)
604-721-7747 (Climenhaga Observatory)
FAX 604-721-7715
DATAPAC 68100256

WATERLOO, UNIVERSITY OF

Department of Physics, Waterloo, ON, N2L 3G1
519-885-1572x2215
Telex 069-55259

WESTERN ONTARIO, UNIVERSITY OF

Department of Astronomy, London, ON. N6A 3K7
519-661-3183 (Office)
519-679-2111 (General)
519-225-2620 (Elginfield Observatory)
519-679-2111x8696 (Hume Cronyn Observatory)
FAX 519-661-2009
Telex 064-7134

WILFRED LAURIER UNIVERSITY

Department of Physics, 75 University Avenue West, Waterloo, ON, N2L 3C5
519-884-1970

YORK UNIVERSITY

Centre for Research in Earth and Space Sci., 4700 Keele St., North York, ON, M3J 1P3
416-736-5247 (Office)
FAX 416-736-5626
Telex 065-24736
Department of Physics and Astronomy, 4700 Keele St., North York, ON, M3J 1P3
416-736-5249 (Office)
FAX 416-736-5516
Telex 065-24736.
Institute for Space and Terrestrial Science, Space Astrophysics Laboratory,
4850 Keele St., Floor 2, North York, ON, M3J 3K1
416-665-5444
FAX 416-665-5497

UPDATING THE DIRECTORY

Members are asked to communicate any address changes including phone numbers, electronic mail addresses, FAX numbers, etc., for themselves or their institutions, to the Secretary, Austin F. Gulliver (I."gulliver@brandonu.ca"), or to the Department of Physics & Astronomy, Brandon University, Brandon, MB, R7A 6A9 (change of address forms are found on p. 20). Such changes should be submitted before December 15 to be included in the next printing of the Directory. The Directory is normally published annually and distributed by January 31.

An up-to-date version of the Directory is also available via anonymous ftp in two PostScript files, DIRECTORY_PT1.PST and DIRECTORY_PT2.PST, in the directory [anonymous.gulliver] at stan.brandonu.ca. The first file includes pp 1 - 20 and the second file pp 21 - 37.

Student members who have completed their studies should apply in writing or by electronic mail to the Secretary, indicating the date of completion of their studies and their desire to become ordinary members of CASCA.

SOCIÉTÉ CANADIENNE D'ASTRONOMIE
FORMULE D'ADMISSION DES MEMBRES

Voici l'extrait des Règlements de la Société Canadienne d'Astronomie au sujet de l'admission des membres:

1. Les Directeurs, par résolution, peuvent admettre dans la Société des personnes à titre de membres titulaires, membres honoraires, membres étudiants ou membres corporatifs.

2. Les membres titulaires de la Société doivent être professionellement engagés dans la recherche ou l'enseignment en astronomie ou dans une science connexe. Pour être considérée comme professionellement engagée, une personne doit détenir, au moins, une maîtrise conférée par une université reconnue pour des travaux reliés à l'astronomie ou à l'astrophysique, ou bien, avoir une expérience équivalente.

4. Les personnes inscrites pour au moins une année académique à un programme d'études supérieures en astronomie ou en astrophysique dans une université reconnue, et qui y poursuivent leurs études, peuvent être admises comme membres étudiants, qu'elles satisfassent ou non aux exigences établies pour les membres titulaires.

7. Un membre étudiant ayant obtenu son doctorat doit soumettre avant l'assemblée annuelle suivante sa candidature au titre de membre titulaire, sinon il cesse automatiquement d'être membre.

6. Les Directeurs peuvent, par résolution, admettre comme membre corporatif tout organisme dont les activités sont reliées à l'astronomie.

Je désire devenir membre de la Société Canadienne d'Astronomie comme un:

- membre titulaire (35$ pour frais de membre, deux répondants demandé)
- membre étudiant (14$ pour frais de membre, un répondant demandé)
- membre corporatif (75$ pour frais de membre)

Je déclare être éligible comme membre selon les termes des Réglements.

Signature du candidat _____ Date _____

Appui de ma nomination par:
Nom du répondant _____ Signature _____ Date _____
Nom du répondant _____ Signature _____ Date _____

S.v.p., lettres moulées pour l'information suivante.
Prénoms et nom _____
Département _____
Institution _____
Adresse _____ Cité _____ Prov._____
Code Postal _____ Téléphone _____
Adresse électronique _____
Grades universitaires obtenus et programmes d'études: date, institution et spécialité
_____
_____
_____
Expérience en recherche et en enseignement: date, titre et institution
_____
_____
_____
Nombre de publications scientifiques parues dans les journaux avec arbitre: _____
S.v.p., joindre une list de vos articles les plus récents.

S.v.p., retournez la formule dûment complétée ainsi que les frais d'admission au (faire la chèque à CASCA)

CASCA Secrétaire
Austin F. Gulliver
Department of Physics & Astronomy
Brandon University
Brandon, MB R7A 6A9

CANADIAN ASTRONOMICAL SOCIETY
APPLICATION FOR MEMBERSHIP

The following clauses are extracted from the membership bylaw of the Canadian Astronomical Society Corporation:

1. The Directors by resolution may elect persons to the Corporation as Ordinary members, Honorary members, Student members, or Corporate members.

2. Ordinary members of the Corporation must be professionally engaged in research or teaching in astronomy or a related science. To be considered as professionally engaged, a person must hold at least a master's degree awarded by a recognized university for work in astronomy or astrophysics, or else have equivalent experience.

4. Persons enrolled for at least one academic year in a program of graduate studies in astronomy or astrophysics at a recognized university, and continuing therein, may be elected as Student members, regardless of whether they meet the criteria for full membership.

7. A Student member, having completed his doctorate, shall be required to submit an application for Ordinary membership by the annual meeting next after his graduation, or his membership shall lapse.

6. The Directors by resolution may elect as Corporate members organizations whose activities are related to astronomy.

I hereby apply for membership in the Canadian Astronomical Society as a(n):

- Ordinary member ($35 membership fee, two nominators required)
- Student member ($14 membership fee, one nominator required)
- Corporate member ($75 membership fee)

I declare that I satisfy the requirements for membership indicated in the by-laws.

Signature of Applicant _____ Date _____

This application is supported by:
Nominator's Name _____ Signature _____ Date _____
Nominator's Name _____ Signature _____ Date _____

Please print or type the following information.
Applicant's full name _____
Department _____
Institution _____
Address _____ Postal code _____
Telephone number _____
Electronic mail address _____
Degrees received or expected; specify date, institution and specialization for each degree.
_____
_____
_____
Research and teaching experience: include dates, title and institution for each position.
_____
_____
_____
Number of research papers in refereed journals _____**.** Please attach list of most recent.

Please mail the completed form and membership dues to (make the cheque payable to CASCA)
CASCA Secretary
Austin F. Gulliver
Department of Physics & Astronomy
Brandon University
Brandon, MB R7A 6A9

CHANGE OF ADDRESS

Name (last) _____ (first) _____ (Initial) _____
Department _____
Institution _____
Address
_____
City _____ Prov. _____ Postal code_____
Telephone _____ FAX _____
E-mail _____

CHANGE OF ADDRESS

Name (last) _____ (first) _____ (Initial) _____
Department _____
Institution _____
Address
_____
City _____ Prov. _____ Postal code_____
Telephone _____ FAX _____
E-mail _____

CHANGE OF ADDRESS

Name (last) _____ (first) _____ (Initial) _____
Department _____
Institution _____
Address
_____
City _____ Prov. _____ Postal code_____
Telephone _____ FAX _____
E-mail _____

E-mail to gulliver@brandonu.ca
or Mail to
CASCA Secretary
Austin F. Gulliver
Department of Physics & Astronomy
Brandon University
Brandon, MB R7A 6A9