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## ADDRESS CHANGES

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CASCA Secretary  
Département de Physique  
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casca@astro.umontreal.ca

Do not forget to update your own e-mail address
A First! - A letter to the Editor

Dear Sir:
I am David H. Gray, M.A.Sc. in geodesy, P.Eng., Canada Lands Surveyor, and I work for the Canadian Hydrographic Service, Fisheries & Oceans Canada in Ottawa. Part of my work is relating old surveys positioned by astronomic observations to modern latitudes and longitudes which are now satellite based. Because of this, I tend to read about old survey methods, e.g. determination of longitude before chronometers, etc.

Captain James Cook in August 1766 used the eclipse of the sun to determine the longitude of Eclipse Island near Burgeo, Nfld, and thus brought his talents as an astronomic observer to the fore when an observer of the eclipse of Venus at Tahiti was needed in 1769. Tahiti was then used as a precisely known longitude point from which navigators, and hydrographic surveyors could check their chronometers for clock-rate.

I understand that an eclipse of Venus is again due in 2004 and later in 2014 (dates approx) and I am wondering if these events are of any interest to the astronomic professionals (globally) or whether the advance of science has gone so far as to make these events insignificant to our knowledge of the universe.

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Ottawa, K1A 0E6
Phone 613-995-4596
Fax 613 996-9053
E-mail dave_gray@chshq.dfo.ca

Thank you Mr. Gray.
Anyone interested in responding please feel free to do so. Ed.

xxxxxxx000000xxxxxxx
CAS invites you to attend its 1997 Annual General Meeting, to be held in Edmonton from Saturday 14 June until Wednesday 19 June, 1997. You will enjoy a stimulating scientific program in the great summer ambience of Edmonton.

Most events will take place at the MacDonald Hotel, an historic (but recently renovated) building perched on the upper bank of the North Saskatchewan River valley in Edmonton's downtown. Other events will take place at the pyramidal Muttart botanical Conservatory, the Space and Science Centre (ESSC), and at the University of Alberta.


La plupart des événements se déroulent au MacDonald, lieu historique (ayant récemment subi des rénovations majeures) au centre-ville et panorames sur la vallée majestueuse de la Saskatchewan du nord. Il y aura aussi des ateliers et des lieux intéressants comme les pyramides du conservatoire de Muttart, le Centre des Études et de l’Espace (ESSC), et à l'University of Alberta.

There follows a brief schedule outline.
Registration via the web will be available soon.

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Local Organizing Committee

Martin Connors
Doug Hube
Joan Hube
Wemer Israel
Brian Martin
Dave Routledge
Fred Vaneldik
Sandra Vaneldik

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fredvan@agt.net
fredvan@agt.net
DYNAMICS AND STATISTICS OF LARGE-SCALE STRUCTURE IN THE UNIVERSE
Conference, May 11 and 12, 1997--University of Kansas, Lawrence

We plan to focus on structure from the microwave background through large-scale structure of matter down to the scale of nonlinearity. The conference will consist of two full days. There will be space for posters, contributed talks, and the following invited speakers:

Peter Coles
Marc Davis
Richard Ellis
Joshua Frieman
Robert Kirshner

Queen Mary and Westfield College, London
University of California at Berkeley
Cambridge University
Fermilab--Astrophysics Group
Harvard-Smithsonian Center for Astrophysics

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Adrian Melott, University of Kansas
Bharat Ratra, Kansas State University
Sergei Shandarin, University of Kansas

Scientific Organizing Committee:
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Alexei Starobinskii
David Schramm
William Reay
Igor Novikov
James Fry
J.R. Bond

Simon White
Joseph Silk
Katsuhiro Sato
P.J.E. Peebles
Martha Haynes
Francois Bouchet
Neta Bahcall

Contact for further information (lodging, registration, posters, talks):
The University of Kansas
Attn: CEET
Continuing Education Bldg.
Lawrence, KS 66045-2608 USA
Tel: (913)864-3968 FAX: (913)864-5827
Email: ceet@falcon.cc.ukans.edu

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NEW CASCA HOMEPAGE

Members are reminded that the all new CASCA homepage is up and running.
http://www.astro.umontreal.ca/~casca/

CASSIOPEIA remains at: http://bear.ras.ucalgary.ca/CASCA/a96/index.html

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The Department of Physics and Astronomy invites applications for a tenure-track position at the Assistant Professor level, commencing July 1st, 1997, in the field of observational stellar astrophysics. Facilities available include those at the DAO, CFH and GEMINI telescopes. Exceptional candidates whose interests are primarily theoretical will also be considered. Candidates should have a Ph.D. degree or equivalent, some postdoctoral experience, an outstanding research record and an aptitude for undergraduate and graduate teaching. The appointment is subject to final budgetary approval. The University of British Columbia welcomes all qualified applicants, especially women, aboriginal people, visible minorities, and persons with disabilities. In accordance with the Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. Applicants should submit a curriculum vitae and a statement of current research interests and future plans. They should also arrange to have three letters of reference sent directly to:

Prof. B.G. Turrell, Head,
Dept. of Physics & Astronomy,
THE UNIVERSITY OF BRITISH COLUMBIA,
6224 Agricultural Road,
Vancouver, B.C. V6T 1Z1,
Canada.

The deadline for receipt of all application material is Jan. 15th, 1997.

Inquiries by e-mail: lore@physics.ubc.ca, Miss Lore Hoffmann, Secretary to the Head.

Applications will not be accepted via e-mail. hardcopies only please.
Information on the Department of Physics & Astronomy at the University of British Columbia may be found on the web at: http://www.physics.ubc.ca
Rothney Astrophysical Observatory
by
E. F. (Gene) Milone
Co-Director, RAO
milone@acs.ucalgary.ca

The RAO 1.8-m and 0.41-m telescopes are available to the astronomical community for photometric and spectroscopic research. The available instrumentation is described at the RAO Web site: http://www.ucalgary.ca/~milone/rao.html. Applications are available via links from that site. The current telescopes’ schedule is also linked to that site. The deadlines are nominally on the first day of the month preceding the sextuplet (the schedule is on a 2-month basis). A TeX application form, patterned after DAO’s quarterly form, is available from: milone@acs.ucalgary.ca

CITA News Highlights ICAT

PERSONNEL
Dick Bond has been elected a Fellow of the Royal Society of Canada. In addition, Dick has agreed to serve as Director of CITA starting July 1 1996. Dick has been associated with CITA since 1985 and already served as Acting Director during the 1990–91 and 1994–95 academic years. Dick received his B.Sc. in 1973 from Toronto and his Ph.D. from Caltech in 1979. After postdocs in Berkeley and Cambridge he took up a faculty position at Stanford from 1981 to 1985. He has been a Fellow of the Canadian Institute for Advanced Research Cosmology Program since 1986, and was awarded a Steacie Fellowship in 1988, the Steacie Prize in 1989, and the Carlyle S. Beals Award of the Canadian Astronomical Society in 1996.

Gordon Squires has received the Plaskett Medal. Squires graduated in 1996 with a Ph.D. from the Department of Physics of the University of Toronto. His supervisor was Nick Kaiser and his thesis was titled "Mapping the dark matter with weak gravitational lensing". He is presently a postdoctoral fellow at Berkeley.

Eric Poisson of the University of Guelph is a new member of the CITA corporation. Eric was an undergraduate at Laval and received his Ph.D. in 1991 from the University of Alberta, working with Werner Israel. He began work as an Assistant Professor at Guelph in 1995 following postdocs at Caltech and Washington University. His research interests are centred on black holes and gravitational radiation.

RESEARCH FELLOWS FOR 1996–97
The following were elected as new postdoctoral fellows and research associates from the 230 applications received.

Phil Armitage completed a Ph.D. at Cambridge, working on star formation, accretion disks, and interacting binary stars.

Shantanu Basu received his Ph.D. in 1993 from Illinois and has most recently completed a postdoc at Michigan State. He works on star formation and the interstellar medium.

Robert Crittenden received his Ph.D. in 1993 from Penn and holds a postdoc at Princeton. He works on inflation, gravitational waves, and the cosmic microwave background.

John Dubinski received his Ph.D. from Toronto and is returning after postdocs at the Center for Astrophysics and UC Santa Cruz. His research interests include large-scale N-body simulations, galactic structure, and galaxy formation.
Brad Hansen was most recently a grad student at Caltech. His thesis research is on white dwarf cooling. Chigurupati Murali was a grad student at UMass, finishing his thesis on the dynamical evolution of globular clusters. Roman Scoccimarro finished his Ph.D. this year at Chicago, working on large-scale structure. Gillian Wilson completed a thesis on large-scale structure at Durham.

In addition, Brett Gladman (Cornell), who has just been awarded an NSERC Postdoctoral Fellowship, will split the fellowship between CIT and Observatoire de Nice.

SUMMER STUDENTS
For some years we have invited excellent undergraduate students from across Canada to spend the summer at CIT working on research problems in theoretical astrophysics. This program was partially financed through the NSERC Undergraduate Student Research Awards. These awards were eliminated by NSERC last year; nevertheless, we decided to maintain our undergraduate program at its previous level (roughly two students per summer), paying the full cost from the CIT budget. In fact, however, the quality of the applicants was so good that we got carried away and made five appointments for summer 1996: D. Charbonneau (Toronto), M. Gladders (Victoria), B. Ingalls (Dalhousie), M. Landriau (Montreal), and L. Phillips (McGill).

We have also decided to extend the program to include co-op students who may wish to spend the fall or winter terms at CIT. This fall D. Ballantyne (Victoria) will conduct a research project here.

We hope you will encourage excellent undergraduates, particularly those in their third and fourth years, to consider working at CIT during summer 1997. Details of how to apply are on our web page.

NATIONAL FELLOWS
There were 13 nominations for National Fellows this year. The National Fellows supported in 1996–97 will be:

**David Craig** will work at the University of Alberta with D. Page. Craig is receiving his Ph.D. this year from Santa Barbara and works on quantum gravity.

**Yuri Gusev** will work at the University of Alberta with W. Israel. Gusev is presently a grad student at the University of Manitoba.

**Mike Hudson** will continue to hold his postdoctoral fellowship at the University of Victoria, working with D. Hartwick on large-scale structure.

SENIOR VISITING FELLOWS
Dick Henriksen (Queen's University), April–June 1996.
Ralph Pudritz (McMaster University), January–February 1997.
Michael West (St. Mary’s University), May–December 1996.
Larry Widrow (Queen’s University), January–April 1997.

CONFERENCES AND MEETINGS
We are always receptive to requests for support for meetings, symposia, and workshops. The support we can offer is modest, but can be used for costs, such as travel expenses for graduate students, that are not normally supported by most funding agencies.

To request support, send a letter early in the planning stage to the Director of CIT stating the details of the proposed meeting, including: topic, organizers, scientific program, size, date, place, main sponsors, a detailed budget, funding from other sources. A statement of the meeting's impact on, and importance for, theoretical astrophysics should also be sent with the request for funding. Further details are in our pamphlet "Guidelines for Programs", which is available from citadmin@cita.utoronto.ca.

The following workshops and meetings in 1996 had CIT support:

"Cosmology: The Big Picture"- August 7–10, 1996 (Iqaluit). Organizers G. Starkman (Case Western) and S. Tremaine (CITA).


"Computational Astrophysics"- October 17–19, 1996 (Halifax). Organizer D. Clarke (St. Mary's). The twelfth "Kingston" meeting on theoretical astrophysics.
Pictures, images, nice diagrams obtained by Canadian space astronomers needed.

Slavek Rucinski, JSSA Chair

The Canadian astronomy community has been successful in becoming a strong component of the Space Science Program of the Canadian Space Agency (the Ottawa branch) by prompt action upon formation of the CSA. We will participate in FUSE, ODIN, VSOP; we contributed to Spectrum-X/G and Radio-ASTRON developments; there have been balloon flights supported by CSA; the Canadian Astronomy Data Centre with HST data is partly supported by CSA. This rosy picture will not last long as other, more visible communities of Earth-resource, forestry, ice-monitoring etc come strongly into play with tremendous environmental visibility and appeal. We cannot assume that business will be as usual for the Canadian space astronomy during the next years. In fact, we should be prepared that small amounts of funds will be available through programs like the Small Payload Program. We should increase our visibility at the CSA. Fortunately, astronomy still has much appeal to the general public and we should utilize this advantage.

I would like to ask Canadian astronomers with nice, attractive visual results from space missions or with any other diagrams which can be used to illustrate our knowledge and strength in space astronomy to contribute those two small undertakings: (1) the Space Science Program in Ottawa needs pictures to hang on their walls (at present they have nothing on astronomy); (2) they want to prepare PR posters and one of the first could be on the Canadian space astronomy.

If you could contribute, please get in touch with the following persons:

David J.W. Kendall, Program Scientist,
Space Science Program, CSA,
P.O. Box 7275, Vanier Postal Stn.,
Ottawa, K1L 8E3
V: 613 990-0790;
F: 613 952-0970;
E: Dave.Kendall@space.gc.ca
(also kendalid@sp-agency.ca)

Marion Neiman, Communications Officer,
same address,
E: neimanm@sp-agency.ca

One should remember that a picture is useless without a good caption and that the caption must be written for general public (say CBC-news level), not for astronomers or scientists. The posters will be distributed in schools etc, so that they must be well written. One should not assume that somebody will simplify an excellent but complex caption.

The best format would be colour glossy prints or colour PostScript files.

Marion Neiman, Communications Officer,
same address,
E: neimanm@sp-agency.ca

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WWW: http://www.astro.utoronto.ca/~rucinski/rucinski.html

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Marion Neiman, Communications Officer,
same address,
E: neimanm@sp-agency.ca

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THE E-PAGES / LES PAGES-É

Univ. of Western Ontario
Dept. of Physics & Astronomy http://phobos.astro.uwo.ca/

Personal / Personnel

Chris Aikman http://www.dao.nrc.ca/DAO/STAFF/aikman.html
Phillip D. Bennett http://casa/Colorado.EDU/casa/personnel/faculty/pbennett/
Alan Bridle http://www.cv.nrao.edu/~abridle/
Doug Forbes http://www.swgc.mun.ca/~dforbes
Sun Kwok http://www.iras.ucalgary.ca/~kwok/kwok.html
Denis Leahy http://www.iras.ucalgary.ca/~leahy/leahy.html
Gene Milone http://www.ucalgary.ca/~milone/
Jean-marc Perelmuter http://www.astro.umontreal.ca/people/jperel/
Jacques Vallée http://www.hia.nrc.ca/DAO/STAFF/vallee.html
Kevin Volk http://www.iras.ucalgary.ca/~volk/volk.html
Michael West http://apwww.stmarys.ca/~west/west.html

Educational Resources / Ressources éducationnelles

http://scienceweb.dao.nrc.ca A global link to science stories in Canada
http://QuebecScience.qc.ca Articles de science au Canada
http://www.skypub.com A guide to current astronomical software; includes brief program
descriptions. Nine page hard copy ($2US) from John Mosley, 7303
Enfield Ave., Reseda, CA 91335.
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Awards
Education
Electromagnetic Pollution
& Space Debris
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Astronomy
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Space Astronomy
Theoretical Astrophysics
1996 Nominating

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J. Matthews, U.B.C.
G. Hill, D.A.O.
R. Jarrell, York U.
Simon Morris, D.A.O.
R. Taylor, U. of Calgary
S. Rucinski, ISTS-SAL York U
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DEADLINES FOR THE WINTER SOLSTICE ISSUE:
E-MAIL: DEC 31
OTHER: DEC 20

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