

David Ross Ballantyne

Curriculum Vitae

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Personal Details

Citizenship: Canadian *Birthdate:* August 2, 1975 *Marital Status:* Married

Education

Ph.D.: Astronomy, Institute of Astronomy, University of Cambridge, United Kingdom
October 2002
M.Sc.: Astronomy & Physics, University of Toronto, Canada
September 1999
B.Sc.: Honours Physics & Astronomy (Co-op), University of Victoria, Canada
June 1998 (with distinction)

Work Experience

- 1) *Canadian Institute for Theoretical Astrophysics*, Toronto, Canada.
Postdoctoral Fellow. September 2002-present.
- 2) *Canadian Institute for Theoretical Astrophysics*, Toronto, Canada.
Co-op Student. May-August 1997.
Supervisors: Dr. J. Magorrian & Prof. S. Tremaine
- 3) *Canadian Institute for Theoretical Astrophysics*, Toronto, Canada.
Co-op Student. September-December 1996.
Supervisor: Prof. P. G. Martin
- 4) *United Kingdom Infrared Telescope*, Hilo, Hawaii, USA.
Co-op Student, January-April 1996.
Supervisors: Dr. J. K. Davies & Dr. T. Hawarden

- 5) Dominion Radio Astrophysical Observatory, Penticton, Canada.
 Co-op Student, January-April 1995.
 Supervisor: Dr. R. S. Roger

Awards

<i>Period Held/Received</i>	<i>Name</i>	<i>Value (\$CAD)</i>	<i>Location of Tenure</i>
2002-2004	NSERC PDF Award	\$70,000	CITA
2000-2002	NSERC PGS B Award	\$38,200	University of Cambridge
1999-2002	Commonwealth Fellowship	\$135,850	University of Cambridge
1999-2002 (declined)	Isaac Newton Studentship	\$48,000	University of Cambridge
1999	CITA Theoretical Astrophysics Fellowship	\$2,000	University of Toronto
1998-2000	NSERC PGS A Award	\$34,600	University of Toronto & University of Cambridge
1998	RASC Victoria Centre Book Prize	\$100	University of Victoria
1997	Co-op Work Term Report Award	\$75	University of Victoria
1997	Robert S. Evans Memorial Scholarship in Astronomy	\$1,000	University of Victoria
1996	Don Ingham Memorial Scholarship in Astronomy	\$400	University of Victoria
1996	Hazel T. Knox Memorial Scholarship	\$1,300	University of Victoria
1995	President's Scholarship	\$1,000	University of Victoria
1993-1997	Canada Scholars Award	\$10,000	University of Victoria

Other Professional Qualifications

- Seminars given at:* i) Canadian Institute for Theoretical Astrophysics, Canada (Nov. 2000 & February 2004)
 ii) NASA/Goddard Space Flight Centre, Greenbelt, Maryland, USA (March 2001)
 iii) Department of Astronomy, University of Maryland, USA (March 2001)
 iv) Department of Physics and Astronomy,
 University of Western Ontario, Canada (**invited**; Oct. 2001)
 v) Department of Physics and Astronomy,
 University of Leicester, United Kingdom (**invited**; Oct. 2001)
 vi) Department of Physics and Astronomy,
 University of Calgary, Canada (**invited**; May 2002)

- vii) Department of Physics and Astronomy,
University of British Columbia, Canada (May 2002)
- viii) Department of Physics and Astronomy,
University of Victoria, Canada (May 2002 & April 2005)
- ix) Herzberg Institute for Astrophysics, Victoria, Canada (**invited**; April 2003)
- x) Kavli Institute for Theoretical Physics,
University of California, Santa Barbara, USA (**invited**; June 2003)
- xi) Institute for Advanced Study, Princeton, USA (September 2004)
- xii) Harvard-Smithsonian Centre for Astrophysics, USA (September 2004)
- xiii) Department of Physics & Centre for Space Research,
MIT, USA (**invited**; September 2004)
- xiv) Department of Physics & Astronomy,
St. Mary's University, Canada (**invited**; October 2004)
- xv) Department of Physics & Astronomy,
Washington State University, USA (**invited**; February 2005)
- xvi) Department of Physics & Astronomy,
Clemson University, USA (**invited**; March 2005)
- xvii) Department of Physics,
University of Alabama at Huntsville, USA (**invited**; March 2005)
- xviii) Yale Centre for Astronomy & Astrophysics,
Yale University, USA (**invited**; April 2005)
- xix) Department of Physics,
McGill University, Canada (**invited**; July 2005)
- xx) Steward Observatory,
University of Arizona, USA (**invited**; July 2005)

Observing Time Awarded on: i) RXTE, Cycle 8 (2003)
ii) XMM-Newton, AO2 (2003), AO3 (2004)
iii) VLA (2000)

Committees: i) Member of Canadian *ASTROSAT/UVIT* science team

Refereed for: i) Monthly Notices of the Royal Astronomical Society (2003-2004)
ii) Astronomy & Astrophysics (2004)
iii) The Astrophysical Journal (2003-2005)
iv) The Astrophysical Journal Letters (2004-2005)
v) *Chandra* Cycle 5 Peer Review (2003)
vi) *RXTE* Cycle 9 Peer Review (2003)
vii) Gemini Canadian Time Allocation Committee (2005)

Administrative & Teaching: i) Teaching assistant for AST 101 at University of Toronto
(1998-1999)
ii) CITA visitor/seminar committee (2003-2005)
iii) CITA computer committee (2003-2004)
iv) Supervised undergraduate summer research student (2004)

Societies: i) Member of American Astronomical Society (also of High Energy Division)
ii) Member of Canadian Astronomical Society
iii) Fellow of Royal Astronomical Society

Press Releases Arising from Publications:

- i) Feb. 2004. University of Toronto Media Release “Scientists watch "movie" of neutron star explosion”
NASA Media Release “Scientists watch "movie" of neutron star explosion in real time”
Coverage included: CNN.com, USA Today, MSNBC.com, Discovery Channel, Yahoo.com, Slashdot.org
Interviews given (invited): Space.com, Space TV, Varsity Newspaper, CIUT 89.5FM