

RICHARD CONN HENRY



Birth: 1940 March 7 - Toronto, Ontario, Canada
Citizenship: United States of America (naturalized 1973)
Marital Status: Married, 1975, to Dr. Rita Mahon
Children: George William Henry (1983), and Mark Winston Henry (1986)

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Current Positions: 1991 - Member, Principal Professional Staff
Applied Physics Laboratory
The Johns Hopkins University
1989 - Director, Maryland Space Grant Consortium
1977 - Professor, Henry A. Rowland Department of Physics &
Astronomy, The Johns Hopkins University

Education: 1967 PhD, Astronomy (B. Strömgren)
Princeton University
1962 MA, Astronomy (S. van den Bergh)
University of Toronto
1961 BSc, Physics and Astronomy
University College, University of Toronto
1957 Ridley College, St. Catherines, Canada

Professional and Honor Societies: (*italic: Life Member*)

Fellow of the American Association for the Advancement of Science
Fellow of the Royal Astronomical Society
American Physical Society
Royal Astronomical Society of Canada
Canadian Astronomical Society
American Astronomical Society
International Astronomical Union
Astronomical Society of the Pacific
American Geophysical Union

Previous Positions: 1976 - 1978 Deputy Director, Astrophysics Division
National Aeronautics and Space
Administration, Washington, D. C.
1978 - 1991 Collaborator, Los Alamos National Laboratory

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1974 - 1977	Associate Professor The Johns Hopkins University
1969 - 1976	Research Physicist (intermittent) E. O. Hulburt Center for Space Research Washington, D. C.
1968 - 1974	Assistant Professor The Johns Hopkins University
1967 - 1969	Research Appointee, E. O. Hulburt Center for Space Research, Naval Research Laboratory, Washington, D.C.
1967	Research Associate, Institute for Advanced Study, Princeton, New Jersey

Special Grants, Awards and Appointments:

<i>Chaired</i> “Technological Imperatives of the Transatlantic Market,” Plenary Session, Dupont Summit, “The New Administration Tackles Science & Technology,” Carnegie Institution of Washington	2008 Dec 05
Awarded 32 hours on the Allen Telescope Array to Search for Extraterrestrial Intelligence. Co-I on proposal of Steve Kilston, Senior Fellow, the Henry Foundation.	2008 Jun 14
3 rd International Confer. on the Nature and Ontology of Spacetime (Montreal) poster: “Teaching Special Relativity: Minkowski trumps Einstein,” Richard Conn Henry.	2008 Jun 14
American Astronomical Society (St. Louis) poster: “SETI in the Ecliptic Plane,” Richard Conn Henry, Steven Kilston, and Seth Shostak.	2008 Jun 4
AbSciCon (Santa Clara): “Who’s Looking at you, Kid: SETI Advantages near the Ecliptic Plane,” Steven Kilston, Seth Shostak, and Richard Conn Henry.	2008 Apr 17
American Astronomical Society (Hawaii) talk: “GALEX Diffuse UV Background”	2007 May 28
CAS Seminar, JHU: “SIM, Stellar Aberration, and Special Relativity”	2007 Jan 16
Invitee, Conference 2, “Evolution, ET, and the Significance of Life in the Universe,” Science and Transcendence Advanced Research Series, CTNS, Cancun, Mexico	2007 Jan 11 - 14
Indian Institute of Astrophysics Colloquium: “SIM, Stellar Aberration, and Special Relativity”	2007 Jan 09
Center for Academically Talented Youth, Parents’ Program Talk, JHU/APL: “Physics & The Universe”	2006 Nov 19
Indian Institute of Astrophysics Special Talk: “Physics & Astronomy”	2006 Jan 20
Indian Institute of Astrophysics Colloquium: “The Diffuse Ultraviolet Background”	2006 Jan 19
American Astronomical Society (DC) poster: “GALEX Diffuse UV Background”	2006 January
American Physics Society “Einstein 1905 – 2005” Lecturer Mercy High School, Baltimore, MD Avon Grove Charter School, West Grove, PA	2005 Oct 4 2006 Feb 8

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Millersville University physics seniors, Millersville, PA	2006 Feb 8
SUNY/Binghamton University, Binghamton, NY	2006 Mar 27
Seminar, "The Ultraviolet Background: What does GALEX say?," Space Sciences Laboratory, University of California Berkeley	2005 Oct
Invited 35-minute Lecture, presented at "Multifrequency Behaviour of High Energy Cosmic Sources," Vulcano, Italy	2005 May
Stellar coffee, Oxford Astrophysics: "Bright Light from the Dark Matter (Baryonic AND Non-baryonic)"	2005 March
GALEX proposal submitted (accepted as Legacy, 2005 September)	2005 March
American Astronomical Society (San Diego) talk: "Intense UV emission from Orion"	2005 January
American Astronomical Society (Atlanta) talk: "Bob McClenon's Calendar"	2004 January
Journal Club talk (split with Mal Ruderman). My title: "Techniques of Observing the Diffuse UV Background," University of Oxford, England	2003 June 5
Invited 35-minute Lecture, presented at "Multifrequency Behaviour of High Energy Cosmic Sources," Vulcano, Italy	2003 May
Physics Colloquium, "Search for the Intergalactic Medium," University of Wisconsin - Madison	2001 Nov 9
AstroSeminar, "Interstellar Grains: Nailing Down the UV Albedo," University of Wisconsin - Madison	2001 Nov 8
Judge, Siemens-Westinghouse Science and Technology Competition	2001
Member, Advisory Board, Department of Teacher Preparation, Johns Hopkins School of Professional Studies in Business and Education	2000 -
Elected Treasurer, National Space Grant Foundation, Inc.	2001 - 2006
Elected to the Board of Directors, The National Space Grant Foundation, Inc.	2001 - 2006
Elected to the Organizing Committee, International Astronomical Union Commission 21 "Light of the Night Sky"	2000
Chairman, National Council of Space Grant Directors	1998 - 2000
Judge, first Siemens-Westinghouse Science and Technology Competition	1999
Member, Advisory Board, Maryland Mathematics, Engineering, Science, Achievement (MESA)	1999 - 2004
Member, Scientific Organizing Committee, "Small Missions for Energetic Astrophysics," J. Robert Oppenheimer Study Center, Los Alamos	1999 Feb
Maryland State Department of Education Review Team for Science, K-12	1998
Colloquium, "Diffuse Ultraviolet Background Radiation," Penn State	1998 March

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Colloquium, “Diffuse Ultraviolet Background Radiation,” GSFC	1998 March
Colloquium, “The Cosmological Deuterium-to-Hydrogen Ratio,” Oxford	1997
National Council of Space Grant Directors Executive Committee	1997 - 2002
Maryland State Department of Education High School Test Specifications Committee, Earth-Space Science	1997
Consultant, Los Alamos National Laboratory	1996
“Mission HOME” panelist with Joe Rothenberg and Jim Lovell, Baltimore	1996
Principal Investigator, “HUBE: Hopkins Ultraviolet Background Explorer,” selected by NASA as one of two “Alternate Missions,” in the MIDEX program	1996
Keeley Visiting Fellowship, Wadham College, University of Oxford	1996 - 1997
Invited Paper, “Stellar Evolution: From Protostars to Supernovae and Black Holes,” Seminar on “Origins,” at Amsie '96, American Association for the Advancement of Science, Baltimore,	1996 Feb
Principal Investigator, “Hydrogen Recombination Radiation Explorer, HRRE,” STEDI program, USRA (student-built satellite design study; one of six)	1995
Smithsonian Lecturer, “Albert Einstein: The Man, His Ideas, and a Reassessment for the '90s,” Washington, DC	1994
Principal Investigator, “The Deuterium-to-Hydrogen Ratio in the Interstellar Medium,” proposal awarded 28 orbits of Hubble Space Telescope observing time	1994
Invited Paper, at “The Physics of the Interstellar Medium and Intergalactic Medium, A Meeting in Honor of Professor George B. Field,” Isola d’Elba, Italy	1994
Invited Paper, at “Extragalactic Background Radiation, A Meeting in Honor of Professor Riccardo Giacconi,” Space Telescope Science Institute, Baltimore	1993
Chair, Policy Subcommittee, AIAA Space Science & Astronomy Technical Committee	1993 - 1995
Consultant, Los Alamos National Laboratory	1993
Co-Investigator, Celestial Backgrounds Experiment, Mid-Course Space Experiment (MSX)	1992 - 1998
Board of Review member (vet parallel-track promotions, for JHU Academic Council)	1992- 1997
Space Sciences and Astronomy Technical Committee, AIAA	1991- 1995
Smithsonian Lecturer, “Physics and the Universe,” Washington, DC	1991
Group Achievement Award, NASA (for Astro 1)	1991
Chairman, Scientific Organizing Committee, Washington Area Astronomers	1986 - 1988
Director of Graduate Education, Department of Physics and Astronomy	1986 - 1989

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Member, Committee on Advisory Board Fellows and Professors, Applied Physics Laboratory, The Johns Hopkins University	1986 - 1988
Member, Faculty Editorial Board, The Johns Hopkins University Press	1986 - 1988
Member, Local Organizing Committee, IAU Baltimore	1985 - 1988
Secretary-Treasurer, Astrophysics Division, American Physical Society	1984 - 1986
Co-Chair (with Lennox Cowie), Local Organizing Committee, 164 th Meeting, American Astronomical Society, Baltimore	1984
Member, Program Committee, Fourth Topical Conference on Atomic Processes in High Temperature Plasmas, American Physical Society	1983
Member, Scientific Organizing Committee, "Advances in Ultraviolet Astronomy: Four Years of IUE," GSFC	1982
Secretary, Department of Physics and Astronomy	1982 - 1986
Invited Paper, at Oxford International Symposium	1981
Member, Scientific Organizing Committee, Washington Area Astronomers	1981 - 1996
Invited Paper, at American Physical Society, Baltimore, April	1981
Reviewer/referee, "Solar-Terrestrial Research for the 1980's," Herbert Friedman & Devrie S. Intriligator Co-Chairs, National Academy Press	1981
Invited Paper, at Recontre de Moriond, Les Arcs, France	1981
Member, Committee on Space Astronomy and Astrophysics, Space Science Board, National Academy of Sciences	1980 - 1983
Member, Scientific Organizing Committee, Tenth Texas Symposium on Relativistic Astrophysics	1980
Identified by NASA Administrator Robert Frosch as "possessing outstanding scientific qualifications" [Federal Register, Vol 44, No. 4, Fri Jan 5, 1979] (hence exempt from conflict-of-interest law for former government employees)	1979
Member, Nominations Committee, AAAS Section D (Astronomy)	1979 - 1982
Co-Investigator, Hopkins Ultraviolet Telescope, Space Shuttle	1979 - 1998
Member, Astronomy Survey Committee ("Field Committee"), National Academy of Sciences; Chairman, Panel on Organization, Education and Personnel	1979 - 1981
Chairman, Spacelab 2 Astronomy Proposal Categorization Committee	1977
Editor-in-Chief, "Astrophysical Letters"	1977 - 1985
Member, Space Science Steering Committee, Office of Space Science, NASA	1976 - 1978

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Member, American Astronomical Society Five Year Publications Review Committee	1976
Naval Research Laboratory Research Publication Award	1975
Co-Investigator, Soft X-Ray Experiment, Apollo Soyuz Mission	1975
Managing Editor, "Astrophysical Letters"	1975 - 1977
Principal Investigator, Lunar Sample Analysis Program	1973
Naval Research Laboratory Research Publication Award	1972
Principal Investigator, Kitt Peak National Observatory "Rocket Experiment to Obtain Far-Ultraviolet Images of the Andromeda Galaxy;" unfortunately, the entire KPNO rocket program was cancelled in 1973	1972
Co-Investigator, Far-ultraviolet Spectrometer Experiment, Apollo 17	1972
Alfred P. Sloan Research Fellow	1971 - 1975
Co-Investigator or Collaborator, JHU Sounding Rocket Program	1971 - recently
Naval Research Laboratory Research Publication Award	1969
Lecturer, Latin American School of Space Research, Córdoba, Argentina	1969
Thaw Fellowship, Princeton University	1964 - 1965
Jodrell Bank Radio Astronomy Summer Seminars Manchester, England	1962
Enrico Fermi School of Physics, Varenna, Italy, Course XXVIII Star evolution - L. Gratton. I sat at a table with A. Sandage who invited G. Tamman to join him.	1962
Chant Fellowship, University of Toronto	1961 - 1962
Royal Astronomical Society of Canada Gold Medal	1961
Entrance Scholarship, University of Toronto	1957
Governor General's Gold Medal, Ridley College (Head Boy)	1957
\$15 Scholarship (placed <i>second</i> in Grade 9: bought my Skyscope 3 1/2" telescope)	1954

Publications:

- 202 N. V. Sujatha, Jayant Murthy, Abhay Karnataki, R. C. Henry, Luciana Bianchi, GALEX Observations of Diffuse UV Radiation at High Spatial Resolution from the Sandage Nebulosity, *Astrophysical Journal*, in press, 2009
- 201 R. C. Henry, ARTICLE OF INTEREST, "Quantum Physics gets Spooky," by Phil Berardelli; *Journal of Scientific Exploration*, **22**, 586, 2008
- 200 R. C. Henry, review of "The God Theory," by Bernard Haisch, San Francisco: Weiser Books; *Journal of Scientific Exploration*, **22**, 266, 2008

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- 199 N. V. Sujatha, J. Murthy, P. Shalima, and R. C. Henry, "Measurement of Dust Optical Properties in Coalsack," *ApJ*, **665**, 363, 2007 (astro-ph 0705.1752)
- 198 R. C. Henry and Stephen R. Palmquist, take note of "An experimental test of non-local realism," by S. Gröblacher et. al., *Nature*, **446**, 871, 2007, and "To be or not to be local," by Alain Aspect, *Nature*, **446**, 866, 2007, *Journal of Scientific Exploration*, **21**, 649, 2007
- 197 R. C. Henry, review of "Quantum Enigma: Physics Encounters Consciousness, by Bruce Rosenblum and Fred Kuttner, Oxford: Oxford University Press; *Journal of Scientific Exploration*, **21**, 185, 2007
- 196 R. C. Henry, "Synchronize Your Watches," *Washington Post*, page A18, March 10, 2007
- 195 P. Shalima, N. V. Sujatha, J. Murthy, and R. C. Henry, "FUV Scattering by Dust in Orion," *MNRAS*, **367**, 1686, 2006
- 194 R. C. Henry, takes note of "Is our Universe natural?" by Sean M. Carroll, *Nature*, **440**, 1132, 2006, *Journal of Scientific Exploration*, **20**, 668, 2006
- 193 R. C. Henry, "Bright Light from Dark Matter (Baryonic and Non-Baryonic)," *Chinese Journal of Astronomy and Astrophysics*, **6**, Suppl.1, 40-46 (Frascati Workshop 2005), 2006
- 192 R. C. Henry, review of "Not Even Wrong: The Failure of String Theory and the Search for unity in Physical Law," by Peter Woit, New York: Basic Books; and "The Trouble with Physics: The Rise of String Theory, the Fall of a Science, and What Comes Next," by Lee Smolin, Boston: Houghton Mifflin; *Journal of Scientific Exploration*, **20**, 613, 2006
- 191 O. Gingerich and R. C. Henry, "Planetary Pretzels," *Sky and Telescope*, p. 81, November 2005
- 190 N. V. Sujatha, P. Shalima, J. Murthy, and R. C. Henry, "Dust Properties in the FUV in Ophiuchus," *Astrophysical Journal*, **633**, 257, 2005
- 189 R. C. Henry, "The mental Universe," *Nature* **436**, 29, 2005
- 188 R. C. Henry, "Setting the Date (Calendar Reform)," *Worth Magazine*, p. 48, May 2005
- 187 J. Murthy, D. J. Sahnou, and R. C. Henry, "Intense Diffuse Far-Ultraviolet Emission from the Orion Nebula," *Astrophysical Journal (Letters)* **618**, L99, 2005
- 186 R. C. Henry, "Letter to Richard P. Feynman (with Feynman's reply)," in "Perfectly Reasonable Deviations from the Beaten Track: The Letters of Richard P. Feynman," Basic Books (Perseus), 2005, page 354
- 185 R. Newcomer, J. Murthy, L. P. Paxton, S. D. Price, and R. C. Henry, "The Midcourse Space Experiment Ultraviolet Point Source Catalog," Air Force Research Laboratory Report AFRL-VS-HA-TR-2004-1056, 2004
- 184 N. V. Sujatha, P. Chakraborty, J. Murthy, and R. C. Henry, "A Model of the stellar radiation field in the UV," *Bull. Astr. Soc. India*, **32**, 151, 2004
- 183 R. C. Henry, "A Private Universe," letter to *Physics Today*, p. 14, February 2004
- 182 R. C. Henry, "Progress in Understanding the Diffuse UV Background," *Chinese Journal of Astronomy and Astrophysics*, **3**, Supplement, 53, 2003

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- 181 R. C. Henry, review of “Firestorm: Dr. James E. McDonald’s Fight for UFO Science,” by Ann Druffel, North Carolina: Wild Flower Press; *Journal of Scientific Exploration*, **17**, 743, 2003
- 180 R. C. Henry, “Studying the diffuse ultraviolet background radiation with tomography,” *Astronomy & Astrophysics* **411**, 313, 2003
- 179 R. C. Henry, “Science for All Americans,” letter to *Physics Today*, p. 10, August 2003
- 178 R. C. Henry, “Non-Microwave Background After BOOMERanG,” invited paper presented at “Multifrequency Behaviour of High Energy Cosmic Sources,” *Memorie della Societa Astronomica Italian*, eds. F. Giovannelli and L. Sabau-Graziati, **73**, No. 4, pp. 954-964, 2002
- 177 R. C. Henry, “Cosmic Background Radiation,” invited paper presented at “Multifrequency Behaviour of High Energy Cosmic Sources,” *Memorie della Societa Astronomica Italian*, eds. F. Giovannelli and L. Sabau-Graziati, **73**, No. 3, pp. 67-75, 2002
- 176 R. C. Henry, “Local Ultraviolet Radiation Field,” *Astrophysical Journal* **570**, 697, 2002
- 175 J. Murthy, R. C. Henry, L. P. Paxton, and S. D. Price, “MSX Observations of Diffuse Emission in Orion,” *Bulletin of the Astronomical Society of India*, **29**, 563, 2001
- 174 P. D. Feldman, H. W. Moos, and R. C. Henry, “Obituary of W. G. Fastie,” *Physics Today*, May, 82, 2001
- 173 R. C. Henry, review of “The UFO Enigma: A New Review of the Physical Evidence,” by Peter A. Sturrock, New York: Warner Books; *Journal of Scientific Exploration*, **15**, 385, 2001
- 172 J. Murthy, R. C. Henry, R. L. Shelton, and J. B. Holberg, “Upper Limits on O VI Emission from Voyager Observations,” *Astrophysical Journal (Letters)* **557**, L47, 2001
- 171 R. C. Henry, “Kretchmann Scalar for a Kerr-Newman Black Hole,” *Astrophysical Journal* **535**, 350, 2000
- 170 R. C. Henry, review of “The Applicability of Mathematics as a Philosophical Problem,” by Mark Steiner, Harvard University Press; *The Mathematical Intelligencer* **22**, 77, 2000
- 169 Isaac Newton and Richard Conn Henry, “Circular Motion,” *American Journal of Physics* **68**, 637, 2000
- 168 R. C. Henry, “The Interstellar Medium,” in “Small Missions for Energetic Astrophysics, Ultraviolet to Gamma-Ray,” ed. S. P. Brumby, *AIP Conference Proceedings* **499**, 100, 1999
- 167 R. C. Henry, “The Intergalactic Medium,” in “Small Missions for Energetic Astrophysics, Ultraviolet to Gamma-Ray,” ed. S. P. Brumby, *AIP Conference Proceedings* **499**, 90, 1999
- 166 R. C. Henry, “Diffuse Ultraviolet Background Radiation,” *IAU Colloquium No. 171*, Cardiff, Wales, Europe, *ASP Conference Series* **170**, ed. J. I. Davies, C. Impey, & S. Phillips, 357, 1999
- 165 R. C. Henry, “Diffuse Background Radiation,” *Astrophysical Journal (Letters)* **516**, L49, 1999
- 164 R. C. Henry, review of “New Trends in Astronomy Teaching,” ed. L. Gouguenheim, D. McNally, & J. R. Percy, *The Observatory*, **119**, #1150, 150, June 1999

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- 163 J. Murthy, D. Hall, M. Earl, R. C. Henry, and J. B. Holberg, "An Analysis of 17 Years of Voyager Observations," *ApJ* **522**, 904, 1999
- 162 R. C. Henry, "The Diffuse Ultraviolet Background Radiation," invited paper presented at "Multifrequency Behaviour of High Energy Cosmic Sources," *Memorie della Societa Astronomica Italiana*, eds. F. Giovannelli and L. Sabau-Graziati, **70**, No.s 3/4, pp. 825-830, 1999
- 161 R. C. Henry, "Hopkins Ultraviolet Background Explorer," paper presented at "Multifrequency Behaviour of High Energy Cosmic Sources," *Memorie della Societa Astronomica Italiana*, eds. F. Giovannelli and L. Sabau-Graziati, **70**, No.s 3/4, pp. 1347-1352, 1999
- 160 R. C. Henry and Jayant Murthy, "Modeling of Celestial Ultraviolet Sources," Air Force Research Laboratory Report AFRL-VS-HA-TR-98-0070, 1998
- 159 A. R. Dring, J. Linsky, J. Murthy, R. C. Henry, H. W. Moos, A. Vidal-Madjar, J. Audouze, and W. Landsman, "Lyman Alpha Absorption and the D/H Ratio in the Local Interstellar Medium," *ApJ* **488**, 760, 1997
- 158 S. D. Price, E. F. Tedesco, M. Cohen, R. G. Walker, R. C. Henry, M. Moshir, L. J. Paxton, and F. C. Witteborn, "Astronomy on the Midcourse Space Experiment," in "Proceedings of IAU Symposium 179, New Horizons from Multi-Wavelength Sky Surveys," ed. B. J. McLean, D. A. Golombek, J. J. E. Hayes, and H. E. Payne (Dordrecht: Kluwer), 115, 1997
- 157 R. C. Henry, "Capabilities of HUBE, the Hopkins Ultraviolet Explorer," in "Proceedings of the Ickofest," ed. R. Rood, Cambridge University Press, 337, 1997
- 156 A. R. Dring, J. Murthy, R. C. Henry, and H. J. Walker, "The Distribution of Dust Clouds in the Interstellar Medium," *ApJ* **457**, 764, 1996
- 155 J. Murthy, D. T. Hall, R. C. Henry, and J. B. Holberg, "Voyager Observations of Dust Scattered Starlight," in "New Extragalactic Perspectives in the New South Africa," ed. D. L. Block and J. M. Greenberg, (Kluwer: Dordrecht), 549, 1996
- 154 R. C. Henry, review of "At Home in the Universe," by J. A. Wheeler, *Foundations of Physics* **25**, 1637, 1995
- 153 R. C. Henry, P. D. Feldman, J. W. Kruk, A. F. Davidsen, and S. T. Durrance, "Ultraviolet Albedo of the Moon with the Hopkins Ultraviolet Telescope," *ApJ Letters* **454**, L69, 1995
- 152 J. Murthy, and R. C. Henry, "A Model of the Diffuse Ultraviolet Radiation Field," *ApJ* **448**, 848, 1995
- 151 R. C. Henry, "Search for the Intergalactic Medium," invited paper presented at "The Physics of the Interstellar Medium and Intergalactic Medium, A Meeting in Honor of Professor George B. Field," Isola d'Elba, Italy, ASP Conference Proceedings **80**, ed. Andrea Ferrara, Carl Heiles, Chris McKee and Paul Shapiro, 561, 1995
- 150 R. C. Henry, and J. Murthy, "The Case for an Extragalactic Origin for the High Galactic Latitude Diffuse Ultraviolet Background", poster paper presented at the "Space Telescope Science Institute Symposium in honor of Riccardo Giacconi, Extragalactic Background Radiation," 1993 May 18 - 20, ed. D. Calzetti, M. Fall, M. Livio, and P. Madau, Cambridge: Cambridge Univ. Press, 271, 1994
- 149 R. C. Henry, and J. Murthy, "Extragalactic Ultraviolet Background Radiation", invited paper

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presented at the “Space Telescope Science Institute Symposium in honor of Riccardo Giacconi, Extragalactic Background Radiation,” 1993 May 18 - 20, ed. D. Calzetti, M. Fall, M. Livio, and P. Madau, Cambridge: Cambridge Univ. Press, 51, 1994

- 148 J. Murthy, R. C. Henry, and J. B. Holberg, “Voyager Observations of Dust Scattering Near the Coalsack Nebula,” *ApJ* **428**, 233, 1994
- 147 R. C. Henry, and J. Murthy, “Ultraviolet Background Radiation,” *ApJ Letters* **418**, L17, 1993
- 146 J. Murthy, M. Im, R. C. Henry, and J. B. Holberg, “Voyager Observations of Diffuse Far-Ultraviolet Continuum and Line Emission in Eridanus,” *ApJ* **419**, 739, 1993
- 145 R. A. Kimble, A. F. Davidsen, W. P. Blair, C. W. Bowers, W. V. D. Dixon, S. T. Durrance, P. D. Feldman, H. C. Ferguson, R. C. Henry, G. A. Kriss, J. W. Kruk, K. S. Long, H. W. Moos, O. Vancura, “Extreme Ultraviolet Observations of G191-B2B and the Local Interstellar Medium with the Hopkins Ultraviolet Telescope,” *ApJ* **404**, 663, 1993
- 144 A. N. Witt, J. K. Petersohn, J. B. Holberg, J. Murthy, A. Dring, and R. C. Henry, “Voyager 2 Observations of NGC 7023: Dust Scattering Shortward of 1600 Å,” *ApJ* **410**, 714, 1993
- 143 J. Murthy, A. Dring, R. C. Henry, J. W. Kruk, W. P. Blair, R. A. Kimble, and S. T. Durrance, “Hopkins Ultraviolet Telescope Observations of FUV Scattering in NGC 7023: the Dust Albedo,” *ApJ* **408**, L97, 1993
- 142 R. C. Henry, J. Murthy, M. Allen, M. Corbin, and L. J. Paxton, “Spectroscopy and Imaging of the Cosmic Diffuse UV Background Radiation,” *SPIE Conference Vol. 1764, “Ultraviolet Technology IV”*, ed. Robert E. Huffman, 61, 1992
- 141 J. Murthy, H. J. Walker, and R. C. Henry, “The Low Filling Factor of Dust in the Galaxy,” *ApJ* **401**, 574, 1992
- 140 Kriss, G. A., Davidsen, A. F., Blair, W. P., Bowers, C. w., Dixon, w. V., Durrance, S. T., Feldman, P. D., Ferguson, H. C., Henry, R. C., Kimble, R. A., Kruk, J. W., Long, K. S., Moos, H. W., Vancura, O., “Hopkins Ultraviolet Telescope Observations of the Far-Ultraviolet Spectrum of NGC 4151,” *ApJ* **392**, 485, 1992
- 139 O. Vancura, W. P. Blair, K. S. Long, A. F. Davidsen, C. W. Bowers, W. V. D. Dixon, S. T. Durrance, P. D. Feldman, H. C. Ferguson, R. C. Henry, R. A. Kimble, G. A. Kriss, J. W. Kruk, H. W. Moos, “Far-Ultraviolet Observations of the Supernova Remnant N49 Using the Hopkins Ultraviolet Telescope,” *ApJ* **401**, 220, 1992
- 138 D. Morrison, P. D. Feldman, and R. C. Henry, “Upper Limits on Spacecraft Induced Ultraviolet Emissions from the Space Shuttle STS-61C,” *J. Geophys. Res.* **97**, 1633, 1992
- 137 H. C. Ferguson, A. F. Davidsen, G. A. Kriss, W. P. Blair, C. W. Bowers, W. V. Dixon, S. T. Durrance, P. D. Feldman, R. C. Henry, J. W. Kruk, H. W. Moos, O. Vancura, K. S. Long, R. A. Kimble, “Constraints on the Origin of the Ultraviolet Upturn in Elliptical Galaxies from Hopkins Ultraviolet Telescope Observations of NGC 1399,” *ApJ Letters* **382**, L69, 1991
- 136 K. S. Long, W. P. Blair, A. F. Davidsen, C. W. Bowers, W. V. Dixon, S. T. Durrance, P. D. Feldman, R. C. Henry, G. A. Kriss, J. W. Kruk, H. W. Moos, O. Vancura, H. C. Ferguson, R. A. Kimble, “Spectroscopy of Z Camelopardalis in Outburst with the Hopkins Ultraviolet Telescope,” *ApJ Letters* **381**, L25, 1991
- 135 H. W. Moos, P. D. Feldman, S. T. Durrance, W. P. Blair, C. W. Bowers, A. F. Davidsen, W. V.

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- Dixon, H. C. Ferguson, R. C. Henry, R. A. Kimble, G. A. Kriss, J. Kruk, K. S. Long, and O. Vancura, "HUT Determination of Ionic Abundances in the Io Torus Using the Hopkins Ultraviolet Telescope," *ApJ Letters* **382**, L105, 1991
- 134 W. P. Blair, K. S. Long, O. Vancura, C. W. Bowers, A. F. Davidsen, W. V. Dixon, S. T. Durrance, P. D. Feldman, H. C. Ferguson, R. C. Henry, R. Kimble, G. A. Kriss, J. W. Kruk, and H. W. Moos, "Discovery of a Fast Radiative Shock Wave in the Cygnus Loop Using the Hopkins Ultraviolet Telescope," *ApJ Letters* **379**, L33, 1991
- 133 R. C. Henry, "Ultraviolet Background Radiation," *Annual Review of Astronomy and Astrophysics* **29**, 89, 1991
- 132 P. D. Feldman, A. F. Davidsen, W. P. Blair, C. W. Bowers, W. V. Dixon, S. T. Durrance, H. C. Ferguson, R. C. Henry, R. A. Kimble, G. A. Kriss, J. Kruk, K. S. Long, H. W. Moos, O. Vancura, and T. R. Gull, "HUT Observations of Comet Levy, 1990c with the Hopkins Ultraviolet Telescope," *ApJ Letters* **379**, L37, 1991
- 131 Jayant Murthy, R. C. Henry, and J. B. Holberg, "Constraints on the Optical Properties of Interstellar Dust in the Far Ultraviolet: Voyager Observations of the Diffuse Sky Background," *ApJ* **383**, 198, 1991
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