RICHARD CONN HENRY

Birth: 1940 March 7 - Toronto, Ontario, Canada

Citizenship: United States of America (naturalized 1973)

Marital Status: Married, 1975, to Rita Mahon (PhD Physics, IC London)

Children: George William Henry (MA Biochemistry 2005, Oxford)
Mark Winston Henry (MA History 2009, St Andrews)

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Current Positions:

2012 - Academy Professor, Zanvyl Krieger School of Arts & Sciences
The Johns Hopkins University

2012 - Research Professor, Henry A. Rowland Department of
Physics & Astronomy, The Johns Hopkins University

1991 - Member, Principal Professional Staff
Applied Physics Laboratory
The Johns Hopkins University

1989 - Director, Maryland Space Grant Consortium

Education:

1967 PhD, Astronomy (B. Strömgren)
Princeton University

1962 MA, Astronomy (S. van den Bergh)
University of Toronto

1961 BSc, Physics and Astronomy (R.A.S.C. Gold Medal)
University College, University of Toronto

1957 Ridley College (Governor General of Canada's Gold Medal)

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

Fellow of the AAAS
American Physical Society
Royal Astronomical Society of Canada
Astronomical Society of the Pacific
Fellow of the Royal Astronomical Society
American Astronomical Society
International Astronomical Union
American Geophysical Union

Previous Positions:

2012 - 2014 Chair, The Academy at Johns Hopkins
The Johns Hopkins University

1977 - 2012 Professor, Physics & Astronomy,
The Johns Hopkins University

1976 - 1978 Deputy Director, Astrophysics Division,
NASA, Washington, D. C.

1978 - 1991 Collaborator, Los Alamos National Laboratory

updated 2019 June 6

1974 - 1977	Associate Professor, Physics & Astronomy The Johns Hopkins University
1969 - 1976	Research Physicist (intermittent) E. O. Hulburt Center for Space Research Washington, D. C.
1968 - 1974	Assistant Professor, Physics 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
1966	Research Assistant, Institute for Advanced Study, Princeton, New Jersey

Activities:

Attended Seattle American Astronomical Society meeting, Washington	2019 Jan 6 - 9
Attended Denver American Astronomical Society meeting, Colorado	2018 Jun 4 - 6
Participated in Aspen Physics: Cosmological Signals, Colorado	2018 Feb 5 - 9
"How to Actually UNDERSTAND Quantum Mechanics," Academy at Johns Hopkins	2017 Dec 10
Poster: Gravitational Wave Astrophysics, IAU Symposium 338, Baton Rouge, LA	2017 October
"The Mental Universe," talk given at Astrophysics Wine & Cheese, JHU	2017 Sep 18
Presented two papers at "Multifrequency Behaviour of High Energy Cosmic Sources - XII," (Palermo, Italy 12-17 June) http://workshop2017.iaps.inaf.it	2017 June
Attended (and presented a poster) at the 2017 January Grapevine, Texas, AAS meeting	2017 Jan 3 - 6
(Re-) Elected to the Board of the National Space Grant Alliance (2017 - 2019)	2016
"Formal Black Hole Features," talk given at the Space Telescope Science Institute	2015 Jun 10
"The Mental Universe," talk given at The Academy at Johns Hopkins	2015 Jan 12
"The Mental Universe," Physics Colloquium, Towson University	2014 Mar 7
"Streit Council: Democracy and Human Rights," The Washington, D.C. Summit on Cross-Continental Cooperation 2013, National Public Radio	2013 Nov 4
"History of Space Grant," invited presentation, National Space Grant College and Fellowship Program meeting, South Carolina	2013 Oct 14
"The Mystery of the Diffuse Ultraviolet Background Radiation," STSci HotSci Series	2013 Aug 21
"What is Physics?," Departmental Colloquium, Henry A. Rowland Department of Physics & Astronomy, The Johns Hopkins University	2012 Sep 27
Chair, The Academy at Johns Hopkins (term ended 2014 Sept 12)	2012 Sept 13
Presented, "The Ultraviolet Diffuse Cosmic Background," at "UV Astronomy — HST and Beyond," Kaua'i, Hawai'i	2012 June 18
Taught intensive summer course, "Stars & the Universe" — including last Shuttle	2011 July 6 –

launch, July 8, and 2nd-last Shuttle crew visit to my class on August 4	August 5
Chaired "Currency Without a Country," a panel discussion at the Johns Hopkins School of Advanced International Studies, Washington, DC	2010 May 4
Seminar "The ISM is Aglow in UV Radiation," Richard Conn Henry, Towson University, Baltimore, MD, 2010	2010 Apr 16
Oral paper, "The ISM is Aglow in UV Radiation," Richard Conn Henry, Jayant Murthy, and N.V. Sujatha, 215th American Astronomical Society meeting, Washington, DC, 2010 January 4	2010 Jan
Seminar, "The UV Background: it's not just dust-scattered starlight," Department of Astrophysics, Oxford	2009 May
Invited Lecture, "Diffuse UV Background: GALEX Results," presented at "Multifrequency Behaviour of High Energy Cosmic Sources," Frascati Workshop 2009 Silver Jubilee, Vulcano, Sicily, Italy, May 25-30	2009 May
Poster paper, Richard Conn Henry, Ray Villard, Steven Kilston, Seth Shostak, & Gerry Harp, "Ecliptic-Plane SETI with the Allen Telescope Array," Space Telescope Science Institute 2009 May Symposium, "The Search for Life in the Universe."	2009 May
Poster paper, N. V. Sujatha, Rahul Suresh, Jayant Murthy, R. C. Henry, Luciana Bianchi, Study of Diffuse NEUV and FUV Radiation Using GALEX Deep Imaging Surveys, Poster, Astronomical Society of India XXVII, Bangalore, India	2009 Feb
Chaired "Technological Imperatives of the Transatlantic Market," Plenary Session, Dupont Summit, "The New Administration Tackles Science & Technology," Carnegie Institution of Washington	2008 Dec 05
Presented "John Mather Nobel Space Scholars" (and introduced John Mather), National Council of Space Grant Directors meeting, Atlanta, Georgia	2008 Oct
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
3rd International Confer. on the Nature and Ontology of Spacetime (Montréal) 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	2005 Oct 4
Avon Grove Charter School, West Grove, PA	2006 Feb 8
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
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 Backgound 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
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, 164th	1984

Meeting, American Astronomical Society , Baltimore	
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
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 (MSc degree, Sidney van den Bergh)	1961 - 1962
Royal Astronomical Society of Canada Gold Medal: First in First Class Honours	1961
Entrance Scholarship, University of Toronto	1957
Governor General's Gold Medal, Ridley College (Head Boy)	1957
$15 Scholarship (placed *second* in Grade 9: bought my Skyscope 3-1/2″ telescope) **That Skyscope is now in 147 Bloomberg: by a window, where I see: the STScI *!***	1954

Publications:

225 Gregory Kuri, James M. Overduin, & R. C. Henry, "Exotic Spacetime Topology as an Alternative to Dark Matter and Energy," APS April Meeting, 2019

224 M. S. Akshaya, Jayant Murthy, S. Ravichandran, R. C. Henry, & James Overduin, "Components of the Diffuse Ultraviolet Radiation at High Latitudes," MNRAS, sub. 2019

223 Michael Zemcov (RIT & JPL), Iair Arcavi (Tel Aviv University), Richard G. Arendt (CRESST II/UMaryland/GSFC), Etienne Bachelet (Las Cumbres Observatory), Chas Beichman (JPL), James Bock (Caltech/JPL), Pontus Brandt (JHU-APL), Ranga Ram Chary (IPAC/Caltech), Asantha Cooray (UCI), Diana Dragomir (MIT), Varoujan Gorjian (JPL), Chester E. Harman (NASA GISS), Richard Conn Henry (JHU), Carey Lisse (JHU-APL), Philip Lubin (UCSB), Shuji Matsuura (Kwansei Gakuin University), Ralph McNutt (JHU-APL), Jayant Murthy (Indian Institute of Astrophysics), Andrew R. Poppe (UC Berkeley-SSL), Michael V. Paul (JHU-APL), William T. Reach (USRA/SOFIA), Yossi Shvartzvald (IPAC/Caltech), R. A. Street (Las Cumbres Observatory), Teresa Symons (RIT), Michael Werner (JPL), "Opportunities for Astrophysical Science from the Inner and Outer Solar System," arXiv: 1903.05729v1 [astro-ph.IM] (13pp), 2019 March 13

222 Michael Zemcov, Iair Arcavi, Richard Arendt, Etienne Bachelet, Ranga Ram Chary, Asantha Cooray, Diana Dragomir, Richard Conn Henry, Carey Lisse, Shuji Matsuura, Jayant Murthy, Chi Nguyen, Andrew R. Poppe, Rachel Street, & Michael Werner, "Astrophysics with New Horizons: Making the Most of a Generational Opportunity," Publications of the Astronomical Society of the Pacific, 130:115001 (24pp), 2018 November

221 Richard Conn Henry, Jayant Murthy, James Overduin, "Discovery of an Ionizing Radiation Field in the Universe," arXiv: astro-ph 1805.09658 v1, 2018 May 24

220 Richard Conn Henry "How Einstein's Theory of Relativity gives us $E = mc^2$ and the Atomic Bomb," Gravitational Wave Astrophysics, IAU Symposium 338, 103, Baton Rouge, LA, 2017

219 Richard Conn Henry "The Physics of our Universe," Proc. of Science: PoS(MULTIF2017)003, 2017

218 Richard Conn Henry "Ultraviolet Background Radiation from Beyond Pluto," Proc. of Science: PoS(MULTIF2017)017, 2017

217 M. S. Akshaya, Jayant Murthy, S. Ravichandran, R. C. Henry, & James. Overduin, "The Diffuse Radiation Field at High Galactic Latitudes," arXiv: 1701.07644v1, astro-ph.GA, 2017 January 26; Astrophysical Journal, 858:101 (9pp), 2018 May 10

216 Richard Conn Henry, James Overduin, & Kielan Wilcomb, "A New Way to Visualize Black Hole Interiors," Bridges Baltimore, http://archive.bridgesmathart.org/2015/bridges2015-479.pdf , 2015 July

215 Richard Conn Henry, Jayant Murthy, James Overduin, & Joshua Tyler, "The Mystery of the Diffuse Ultraviolet Cosmic Background Radiation," Astrophysical Journal, **798**:14 (25pp), 2015 January 1

214 Richard Conn Henry, "Progress in Understanding the Diffuse UV Cosmic Background," Mem. S.A.It., **83**, 409, 2012 (arXiv: 1205.04430v1 [Astro-ph.GA] 2 May 2012)

213 J. Murthy, Richard Conn Henry, & Jay B. Holberg, "Voyager Observations of the Diffuse Far Ultraviolet Radiation Field," Astrophysical Journal Supplements, **199**:11, 2012

212 Steve Hanke & Richard Conn Henry, "Changing Times," GlobeAsia, http://www.thejakartaglobe.com/columnists/changing-times/488711

211 J. Murthy, & Richard Conn Henry, "Dust-Scattered Ultraviolet Halos around Bright Stars," Astrophysical Journal, **734**, 13, 2011

210 Richard Conn Henry, "Union of the West Endgame: A Straw Man Constitutional Amendment," Freedom & Union, Series II – Vol. **IV**, No. 1, Fall 2010, 20.

209 J. Murthy, Richard Conn Henry, & N. V. Sujatha, "Mapping the Diffuse Ultraviolet Sky with the *GALAXY EVOLUTION EXPLORER*," Astrophysical Journal, **724**, 1389, 2010

208 N. V. Sujatha, J. Murthy, R. Suresh, Richard Conn Henry, & L. Bianchi, "GALEX Observations of Diffuse Ultraviolet Emission from Draco," Astrophysical Journal, **723**, 1549, 2010

207 R. C. Henry, "Diffuse UV Background: GALEX Results," Memorie della Societa Astronomica Italian, eds. F. Giovannelli and L. Sabau-Graziati, **81**, Nos. 1-2, 63, 2010.

206 R. C. Henry, "The Real Scandal of Quantum Mechanics," American Journal of Physics, **77**, 869, 2009.

205 R. C. Henry, review of "Biocentrism," by Robert Lanza, Journal of Scientific Exploration, **23**, 371, 2009.

204 Jill Tarter, Peter Backus, Samantha Blair, Jim Cordes, Gerald Harp, Richard Conn Henry, Paul Horowitz, Andrew W. Howard, Tom Kilsdonk, Eric J. Korpela, Joseph Lazio, Steven Levin, G. Seth Shostak, & Dan Werthimer, "Advancing the Search for Extraterrestrial Intelligence," 2009 February, White Paper accepted by the National Academy Decadal Survey.

203 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, **692**, 1333, 2009 February 20

202 R. C. Henry, ARTICLE OF INTEREST, "Quantum Physics gets Spooky," by Phil Berardelli; Journal of Scientific Exploration, **22**, 586, 2008

201 R. C. Henry, review of "The God Theory," by Bernard Haisch, San Francisco: Weiser Books; Journal of Scientific Exploration, **22**, 266, 2008

200 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)

199 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

198 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

197 R. C. Henry, "Synchronize Your Watches," Washington Post, page A18, March 10, 2007

196 P. Shalima, N. V. Sujatha, J. Murthy, and R. C. Henry, "FUV Scattering by Dust in Orion," MNRAS, **367**, 1686, 2006

195 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

194 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

193 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 Miflin; Journal of Scientific Exploration, **20**, 613, 2006

192 O. Gingerich and R. C. Henry, "Planetary Pretzels," Sky and Telescope, p. 81, November 2005

191 N. V. Sujatha, P. Shalima, J. Murthy, and R. C. Henry, "Dust Properties in the FUV in Ophiuchus," Astrophysical Journal, **633**, 257, 2005

190 R. C. Henry, "The mental Universe," Nature **436**, 29, 2005

189 R. C. Henry, "Setting the Date (Calendar Reform)," Worth Magazine, p. 48, May 2005

188 J. Murthy, D. J. Sahnow, and R. C. Henry, "Intense Diffuse Far-Ultraviolet Emission from the Orion Nebula," Astrophysical Journal (Letters) **618**, L99, 2005

187 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

186 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

185 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

184 R. C. Henry, "A Private Universe," letter to Physics Today, p. 14, February 2004

183 R. C. Henry, "Progress in Understanding the Diffuse UV Background," Chinese Journal of Astronomy and Astrophysics, **3**, Supplement, 53, 2003

182 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

181 R. C. Henry, "Studying the diffuse ultraviolet background radiation with tomography," Astronomy & Astrophysics **411**, 313, 2003

180 R. C. Henry, "Science for All Americans," letter to Physics Today, p. 10, August 2003

179 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

178 R. C. Henry, "On Copenhagen," Science & Ultimate Reality Symposium in honor of John Archibald Wheeler, Princeton, N.J., ed. Paul Davies, http://henry.pha.jhu.edu/coh.png March 4, 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

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 Italian, 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 Italian, 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

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(Visit to Morgan State University, 2013)