

**JAY B. HOLBERG**

Senior Research Scientist  
 Lunar and Planetary Laboratory  
 1541 E. University Blvd.  
 Sonett Space Sciences Building  
 University of Arizona  
 Tucson, Arizona 85721  
 Phone: (520) 621-4571  
 Fax: (520) 621-8364  
*Internet:* holberg@argus.lpl.arizona.edu

**CHRONOLOGY OF EDUCATION**

## Colleges and Universities Attended:

Dates	Major Fields
1968-1974	Physics, University of California, Berkeley, California
1966-1968	Physics, Washington State University, Pullman, Washington
1964-1966	Math/Phys, Whitworth College, Spokane, Washington

## Degrees:

Ph.D. 1974	Physics, University of California, Berkeley, California Thesis: <i>Astronomical and Geophysical Observations in the Far Ultraviolet</i> Thesis Advisor: Prof. C. Stewart Bowyer, Dept. of Astronomy, University of California, Berkeley
B.S. 1968	Physics, Washington State University, Pullman, Washington

**EMPLOYMENT**

July 1995 to Present	Senior Research Scientist Lunar and Planetary Laboratory University of Arizona Tucson, Arizona 85713
July 1989 to July 1995	Associate Research Scientist Lunar and Planetary Laboratory University of Arizona Tucson, Arizona 85713
October 1983 to June 1989	Assistant Research Scientist Lunar and Planetary Laboratory University of Arizona Tucson, Arizona 85713
January 1980 to October 1983	Research Scientist Center for Space Sciences University of Southern California Los Angeles, California 90007
October 1979 to December 1979	Experiment Representative (UVS)

	Voyager Project Jet Propulsion Laboratory (Contractor) 4800 Oak Grove Drive Pasadena, California 91003
October 1978 to October 1979	Experiment Representative (UVS) Voyager Project Planetary Science Institute Science Applications, Inc. Pasadena, California 91030
April 1978 to October 1978	Instrument Coordinator Jet Propulsion Laboratory Contractor, Trendwestern Inc. Los Angeles, California 90005
December 1974 to September 1977	Lecturer, Department of Physics University of Nairobi Nairobi, Kenya
January 1970 to June 1974	Research Assistant Space Sciences Laboratory University of California Berkeley, California 94720

## HONORS AND AWARDS

- 2012 Visiting Professor in the Department of Physics and Astronomy – University of Leicester
- 1990 NASA Group Achievement Award for Voyager Science Investigations
- 1986 NASA Group Achievement Award for Voyager Science Investigations
- 1981 NASA Certificate of Appreciation
- 1981 NASA Group Achievement Award for Voyager Science Instrument Development
- 1981 NASA Group Achievement Award for Voyager Science Investigations
- 1968 Phi Beta Kappa Washington State University

## PUBLICATIONS:

### BOOKS:

*Sirius: The Brightest Diamond in the Night Sky*, Jay B. Holberg, Springer/Praxis  
ISBN: 978-0-387-48941-4 (published Feb. 2007)

*Extreme Ultraviolet Astronomy*, Martin A. Barstow and Jay B. Holberg. Cambridge,  
University Press 2003 ISBN: 0-521-658058-7

### BOOK CHAPTERS: Reporting and Reviewing Prior Research

- L. W. Esposito, J. N. Cuzzi, J. B. Holberg, E. A. Marouf, G. L. Tyler and C. C. Porco, Saturn's Rings: Structure, Dynamics and Particle Properties, in *Saturn*, University of Arizona

Press, pp. 463-545, 1984.

J. N. Cuzzi, J. J. Lissauer, L. W. Esposito, J. B. Holberg, E. A. Marouf, G. L. Tyler & A. Boischot, Saturn's Rings: Properties and Processes, in *Planetary Rings*, University of Arizona Press, pp. 73-199, 1984.

S. A. Collins, J. Diner, G. W. Garneau, A. L. D. Miner, S. P. Synnott, R. J. Terrille, J. B. Holberg, G. A. Smith & G. L. Tyler, Atlas of Saturn's Rings, in *Planetary Rings*, University of Arizona Press, pp. 737-743, 1984.

## REFEREED JOURNAL ARTICLES:

### 2012

Murthy, J., Henry, R. C. & Holberg, J. B. Voyager Observations of the Diffuse FUV Radiation Field 2011, *ApJS* (in press)

Holberg, J. B., Oswalt, T. D., & Barstow, M. A. Observational Constraints on the Degenerate Mass-Radius Relation. *AJ*, (in press)

### 2011

Holberg, J. B. & Howell, S. B. The KEPLER Light Curve of the Unique DA White Dwarfs BOKS 53856, 2011, *AJ*, 142, 62

Farihi, J., M. R. Burleigh, J. B. Holberg, S. L. Casewell, and M. A. Barstow, Evolutionary constraints on the planet-hosting subgiant  $\epsilon$  Reticulum from its white dwarf companion, *MNRAS*, 417, 1735

### 2010

Holberg, J. B. Sirius B and the Measurement of the Gravitational Redshift, *Journal for the History of Astronomy*, 2010, 41, 41.

### 2009

Holberg, J. B. Discovery of the Existence of White Dwarf Stars 1862 to 1930, *Journal for the History of Astronomy*, 2009, 40, 137-154.

Sion, E. M., J. B. Holberg, Oswalt, T. D., McCook, G. P., & Wasatonic, R. The White Dwarfs within 20 Parsecs of the Sun: Kinematics and Statistics, 2009, *AJ*, 138, 1681

**2008**

- Holberg, J. B. Le Verrier and the Discovery of Sirius B, *Sky and Telescope*, Vol. 115, No.2, 30  
- Feb. 2008
- Holberg, J. B., Sion, E. M., Oswalt, T., McCook, G. P., Foran, S., & Subasavage, John P., A.  
New Look at the Local White Dwarf Population, 2008, *AJ*, 135, 1225.
- Holberg, J. B., Bergeron, P. & Gianninas, A. Precise Estimates of the Synthetic Spectral  
Distances to DA White Dwarfs, 2008, *AJ*, 135, 1239.
- Tobin, William, & Holberg, J. B., A Newly-Discovered and Accurate Early Drawing of M 51,  
the Whirlpool Nebula, *Journal of Astronomical History and Heritage*, 2008,11,107-115.

**2007**

- Holberg, J. B. & Wesemael, F. Discovery of the Companion of Sirius and its Aftermath, 2007,  
*Journal for the History of Astronomy*, 38, 161.
- Sing, D. K., Green, E. M., Howell, S. B., Holberg, J. B., Lopez-Morales, M., Shaw, J. S., &  
Schmidt, G.D., Discovery of a bright eclipsing cataclysmic variable, *A&A*, 474, 951

**2006**

- J. B. Holberg, & P. Bergeron, Calibration of Synthetic Photometry Using DA White Dwarfs,  
2006, *AJ*, 132, 1221
- Liebert, J., Williams, K. A., Holberg, J. B., & Sing, D. K., The Pre-Cataclysmic Binary  
HS1136+6646 May Have a Companion, 2006, *PASP*, 118, 1538.

**2005**

- Liebert, J., Bergeron, P., & Holberg, J. B., The Formation Rate, Mass and Luminosity Functions  
of DA White Dwarfs from the Palomar Green Survey, 2005, *ApJS*, 156, 47
- Dobbie, P. D., M. R. Burleigh, Levan, A. J., Barstow, M. A., Napiwotzki, R., Holberg, J. B.,  
Hubeny, I., & Howell, S. B., A near-IR spectroscopic search of very-low-mass cool  
companions to hot white dwarfs: a collection of southern stars, 2005, *MNRAS*, 357, 1049
- Barstow, M. A., Bond, H. E., Holberg, J. B., Burleigh, M. R., Hubeny, I., & Koester, D.  
Hubble Space Telescope Spectroscopy of the Balmer lines in Sirius B, 2005, *MNRAS*,  
362, 1134
- Liebert, J., Young, P. A., Arnett, D., Holberg, J. B., & Williams, K. A., The Age and Progenitor  
Mass of Sirius B, 2005, *ApJ*, 630, L61
- Dobbie, P. D., Barstow, M. A., Burleigh, M. R., Holberg, J. B., Hubeny, I., & Forbes, A. E.,  
Photospheric phosphorus in the FUSE spectrum of the DA white dwarf GD 71, 2005,  
*MNRAS*, 363, 763

Good, S. A., Barstow, M. A., Burleigh, M. R., Dobbie, P. D., & Holberg, J. B., Heavy element abundances in DAO white dwarfs measured from FUSE data, 2005, *MNRAS*, 363, 183

### 2004

Sing, D. K., Holberg, J. B., Burleigh, M. R., Good, S. A., Barstow, M. A., Oswalt, T. A., Howell, S. B., Brinkworth, C. S., Spectroscopic and Photometric Analysis of HS1136+6646: A Hot Young DAO+K7V Post-Common-Envelope, Pre-Cataclysmic-Variable Binary, 2004, *AJ*, 127, 2936

Keel, W. C., Holberg, J. B. & Treuhardt, P. M., Far-Ultraviolet Spectroscopy of Star-Forming Regions in Nearby Galaxies: Stellar Populations and Abundance Indicators, 2004, *AJ*, 128, 211

Belle, K. E., Sanghi, N., Howell, & S. B., Holberg, J. B., A Preliminary Observational Search for Circumbinary Disks Around Cataclysmic Variables, 2004, *AJ*, 128, 448

Good, S. A., Barstow, M. A., Holberg, J. B., Sing, D. K., Burleigh, M. R., & Dobbie, P. D., Comparison of the effective temperatures, gravities and helium abundances of DAO white dwarfs from Balmer and Lyman line studies, 2004, *MNRAS*, 355, 1031.

### 2003

Liebert, J., Bergeron, P., & Holberg, J. B., 'The True Incidence of Magnetism Among Field White Dwarfs', 2003, *AJ*, 125, 348-353

Holberg, J. B., Barstow, M. A., & Burleigh, M. R. An Archive of *IUE* Low Dispersion Spectra of the White Dwarf Stars, 2003, *ApJS*, 147, 145

Bannister, N. P. Barstow, M. A., Holberg, J. B., & Bruhweiler, F. C. Circumstellar features in hot DA white dwarfs, 2003, *MNRAS*, 341, 447

Barstow, M. A., Good, S. A., Holberg, J. B., Hubeny, I., Bannister, N. P., Bruhweiler, F. C., Burleigh, M. R., & Napiwotzki, R., Heavy-element abundance patterns in hot DA white dwarfs, 2003, *MNRAS*, 341, 870-890

Barstow, M. A., Good, S. A., Burleigh, M. R., Hubeny, I., Holberg, J. B., & Levan, A. J., A comparison of DA white dwarf temperatures and gravities from FUSE Lyman line and ground-based Balmer line observations, 2003, *MNRAS*, 344, 562

### 2002

J. B. Holberg, T. D. Oswalt, & E. M. Sion, A Determination of the Local Density of White Dwarf Stars, 2002, *ApJ*, 571, 512

A. Gregorio, R. Stalio, L. Broadfoot, F., Castelli, M. Hack, & J. Holberg, UVSTAR Observations of ADHARA (epsilon Cma): 500-1250Å, 2002, *A&A*, 383, 881

### 2001

- M. A. Barstow, H. E. Bond, M. R. Burleigh & J. B. Holberg, Resolving Sirius-Like Binaries with the *Hubble Space Telescope*, 2001, *MNRAS*, 322, 891
- M.A. Barstow, J.B. Holberg, I. Hubeny, S.A. Good, A.J. Levan, F. Meru. A comparison of DA white dwarf temperatures and gravities from Lyman and Balmer line studies, *MNRAS*, 2001, 328, 211
- M. Zoccali,, A. Renzini, S., Ortolani, A. Bragaglia, R. Bohlin, E. Carretta, F. Ferraro, R. Gilmozzi, J. B. Holberg, G. Marconi, R. M. Rich & F. Wesemael, The Distance of the Globular Cluster, 47 Tucanae via the White Dwarf Cooling Sequence, 2001, *ApJ*, 553, 733
- M. A. Barstow, N. P. Bannister, J. B. Holberg, I. Hubeny, F. C. Bruhweiler, & R. Napiwotzki, Far-UV Spectroscopy of the Hot DA White Dwarf WD2218+706 (DeHt5) with STIS, 2001, *MNRAS*, 325, 1149

### 2000

- D. Stys, R. Slevinsky, R. Saffer, E. M. Sion, J. B. Holberg, D. O'Donoghue, D. Kilkenny, R. S. Stobie, & C. Koen, EC11481-2303: A Peculiar Hot High Gravity Pre-White Dwarf, 2000, *PASP*, 112, 354

### 1999

- M. A. Barstow, S. Dreizler, J. B. Holberg, D. S. Finley, K. Werner, & I. Hubeny, The Discovery of Photospheric Nickel in the Hot DO White Dwarf REJ0503-289, *MNRAS*, 1999, 314, 109
- M. Chavez, J. B. Holberg, & W. B. Landsman *Voyager* Far-UV Observations of Globular Clusters, 1999, *AJ*, 117, 962
- J. B. Holberg, F. C. Bruhweiler, M. A. Barstow, & P. D. Dobbie, Far UV *STIS* Spectra of the White Dwarf REJ 1032+532 I: Interstellar Line of Sight, *ApJ*, 1999, 517, 841
- J. B. Holberg, M. A. Barstow, F. C. Bruhweiler, I. Hubeny, & E. M. Green, Far UV *STIS* Spectra of the White Dwarf REJ 1032+532 II: Stellar Spectrum, 1999, *ApJ*, 517, 850
- M. A. Barstow, I. Hubeny, J. B. Holberg, Evidence for the Stratification of Fe in the Photosphere of G191-B2B, 1999, *MNRAS*, 307, 884
- M. S. Sahu, W. Landsman, F. C. Bruhweiler, T. R. Gull, T. C. A. Bowers, D. Lindler, K. Feggans, M. A. Barstow, I. Hubeny, & J. B. Holberg, The D/H Ratio in Interstellar Gas Towards G191-B2B, 1999, *ApJ Letters*, 523, L159
- J. Murthy, D. Hall, M. Earl, R. C. Henry, & J. B. Holberg, An Analysis of 17 years of *Voyager* Observations of the Diffuse Far Ultraviolet Radiation Field. 1999, *ApJ*, 522, 904

### 1998

- J. B. Holberg, M. A. Barstow, F. C. Bruhweiler, A. M. Cruise, & A. J. Penny, Sirius B: A New More Accurate View, 1998, *ApJ*, 497, 935
- M. R. Burleigh, M. A. Barstow, & J. B. Holberg, A Search for Hidden White Dwarfs in the ROSAT EUVE Survey II: Discovery of a Distant DA + F5V-GOV Binary System in a Direction of Low Density Neutral Hydrogen, 1998, *MNRAS*, 300, 511
- M. A. Barstow, I. Hubeny, & J. B. Holberg, The Effect of Photospheric Heavy Elements on the Hot DA White Dwarf Temperature Scale, 1998, *MNRAS*, 299, 520.
- J. B. Holberg, M. A. Barstow, & E. M. Sion, A High Dispersion Spectroscopic Survey of the Hot White Dwarfs: the *IUE* NEWSIPS Echelle Data Set. 1998, *ApJ Suppl.*, 119, 207

### 1997

- M. C. Marsh, M. A. Barstow, D. A. Buckley, M. R. Burleigh, J. B. Holberg, D. Koester, D. O. O'Donoghue, A. J. Penney & A. E. Sanson, An EUV-Selected Sample of DA White Dwarfs from the *ROSAT* All-Sky Survey. I: Optically Derived Stellar Parameters, 1997, *MNRAS*, 286, 369
- M. C. Marsh, M. A. Barstow, D. A. Buckley, M. R. Burleigh, J. B. Holberg, D. Koester, D. O. O'Donoghue, A. J. Penney & A. E. Sanson, An EUV-Selected Sample of DA White Dwarfs from the *ROSAT* All-Sky Survey. II: EUV and Soft-X ray properties, *MNRAS*, 1997, 287, 705.
- M. A. Barstow, P.D. Dobbe, J. B. Holberg, I. Hubeny, & T. Lanz, Interstellar and Photospheric Opacity from DA White Dwarfs, 1997, *MNRAS*, 286, 58
- J. B. Holberg, M. A. Barstow, & E. M. Green, The Discovery of Mg II  $\lambda$ 4481 in the White Dwarf EG102: Evidence for Ongoing Accretion, 1997, *ApJL*, 474, L127.
- E. M. Sion, J. B. Holberg, M. A. Barstow, & M. P. Scheible, Ongoing Mass Ejection in the Peculiar, Hot DO Degenerate KPD0005+5106, 1997, *AJ* 113, 364
- J. W. Kruk, R. A. Kimble, R. H. Buss, A. F. Davidsen, S. T. Durrance, D. S. Finley, & J. B. Holberg, 1997, Final Astro-1 Calibration of the Hopkins Ultraviolet Telescope: A Test of White Dwarf Model Atmospheres as FUV Calibration Standards, 1997, *ApJ*, 482, 546
- J. B. Holberg, M. A. Barstow, Lanz, T., & Hubeny, I., Hubble Space Telescope Ultraviolet Spectroscopy of Two Hot White Dwarfs, 1997, *ApJ*, 484, 871.
- P. Szkody, P. Garnavich, J. B., Holberg, A. Silber, & L. Pastwick, IUE and Voyager Observations of the Unusual Cataclysmic Variable S193, 1997, *AJ*, 113, 2276.
- W. B. Hubbard, C. C. Porco, D. M. Hunten, G. H. Rieke, M. J. Rieke, D. W. McCarthy, V. Haemmerle, J. Haller, B. McLeod, L. A. Lebofsky, R. Marcialis, J. B. Holberg, R. Landau, L. Carrasco, J. Elias, M. W. Buie, E. W. Dunham, S. E. Persson, T. Borson, W. West, R. G. French, J. Harrington, J. W. Elliot, W. J. Forst, J. L. Pipher, R. J. Stover, A.

Brahic, & I. Grenier, Structure of Saturn's Mesosphere from the 28 Sgr Occultations, 1997, *Icarus*, 130, 404

M. A. Barstow, J. B. Holberg, A. M. Cruise, & A. J. Penny, The mass, temperature, and distance of the white dwarf in V471 Tauri, 1997, *MNRAS*, 290, 505

### 1996

M. A. Barstow, J. B. Holberg, I. Hubeny, T. Lanz, F. C., Bruhweiler, & R. Tweedy, Solving the Mystery of the Heavy-Element Opacity in the DA White Dwarf GD 394, 1996, *MNRAS*, 279, 1120

J. B. Holberg, Barstow, M.A., Bruhweiler, F.C., Collins, J., Photospheric Silicon in the DA White Dwarf Wolf 1346, 1996, *AJ*, 111, 2361

N.R. Evans, J. B. Holberg, & R. S. Polidan, Voyager Observations of the Companion of the Classical Cepheid S Muscae, 1996, *AJ*, 112, 264

D. T. Hall, P.D. Feldman, J. B. Holberg, M. A. McGrath, 1995, Fluorescent Hydroxyl Emissions From Saturn's Ring Atmosphere, 1996, *Science*, 272, 516

A. Renzini, A. Bragaglia, F. R. Ferraro, R. Gilmozzi, S. Ortolani, J. B. Holberg, J. Liebert, F. Wesemael, & R. C. Bohlin, The White Dwarf Distance to the Globular Cluster NGC 6752 (and its Age) with the Hubble Space Telescope, 1996, *ApJL* 465, L23

T. Lanz, M. A. Barstow, I. Hubeny, & J. B. Holberg 1996 A Self-consistent Optical, Ultraviolet and Extreme Ultraviolet Model for the Spectrum of G191-B2B, 1996, *ApJ*, 473, 1089

### 1995

M. Chavez, R. Stalio & J. B. Holberg, FUV Energy Distribution in Early Type Main Sequence Stars, 1995, *ApJ*, **449**, 280

M. A. Barstow, J. B. Holberg, K. Werner & J. A. Nousek, The Composition and Structure of White Dwarf Atmospheres Revealed by Extreme Ultraviolet Spectroscopy, 1995, *Adv. in Space Res.*, **16**, 373

H. L. Shipman, S. W. Roby, M. A. Barstow, H. Bond, F. C. Bruhweiler, D. Finley, G. Fontaine, J. B. Holberg, S. Kwaler, J. Nousek, E. M. Sion, R. Tweedy, F. Wesemael, & G. Vauclair. Photospheric, Circumstellar, and Interstellar Features of He, C, N, O, and Si in the HST Spectra of Four Hot White Dwarf Stars, 1995, *AJ* **109**, 1220

E. M. Sion, J. B. Holberg, M. A. Barstow, K. M. Kidder, Far Ultraviolet and Optical Spectroscopy of the Detached White Dwarf-M Dwarf Binary RE1631+781, 1995, *PASP*, **107**, 232

J. B. Holberg, F. C. Bruhweiler, & J. Andersen, The Circumstellar Nature of the Metallic Features in a Hot DA White Dwarf, 1995, *ApJ*, **443**, 753

M. A. Barstow, M. R. Burleigh, T. A. Fleming, J. B. Holberg, D. Koester, M. C. Marsh, S. R.



Rosen, G. G. M. Ruttan, S. Sakai, R. W. Tweedy, & G. Wegner, The Orbital Period of the Pre-Cataclysmic Binary RE 2013+400 and a Study of the Atmosphere of the DAO White Dwarf Primary, 1995, *MNRAS*, **272**, 531

M. A. Barstow, J. B. Holberg, & D. Koester, The Remarkably Low Abundance of Helium in the Atmosphere of the DA White Dwarf HZ 43, 1995, *MNRAS*, **274**, L31

J. B. Holberg, M. A. Barstow, F. C. Bruhweiler, & E. M. Sion, The EUVE and IUE Spectra of the Hot DA White Dwarf GD 659, 1995, *ApJ*, **453**, 313

J. B. Holberg, R. A., Saffer, R. W. Tweedy, M. A. Barstow, The Binary Double-Degenerate Nature of the Bright DAO White Dwarf Feige 55, 1995, *ApJ Letters*, **452**, L133

### 1994

M. A. Barstow, F. Wesemael, J. B. Holberg, D. A. H. Buckley, R. S. Stobie, J. P. D. Mittaz, G. Fontaine, S. R. Rosen, S. Demers, R. Lamontagne, M. J. Irwin, P. Bergeron, S. O. Kepler & S. Vennes, A New Hot DA White Dwarf in a Region of Exceptionally Low HI Density, 1994, *MNRAS*, **267**, 647

M. A. Barstow, J. B. Holberg, K. Werner, D. A. H. Buckley & R. S. Stobie, The Nature of the Newly Discovered DO White Dwarf, RE0503-289, 1994, *MNRAS*, **267**, 653

J. B. Holberg, I. Hubeny, M. A. Barstow, T. Lanz, E. M. Sion & R. W. Tweedy, The Discovery of Ni V in the Photospheres of the Hot DA White Dwarfs RE 2214-492 and G191-B2B, 1994, *Ap J*, **425**, L105

J. Murthy, R. C. Henry & J. B. Holberg, Voyager Observations of Dust Scattering Near the Coal Sack Nebula, 1994, *ApJ*, **428**, 233

F. Wesemael, P. Bergeron, R. Lamontagne, G. Fontaine, A. Beauchamp, S. Demers, M. J. Irwin, J. B. Holberg, S. O. Kepler & S. Vennes, Hot Degenerates in the MCT Survey. II. Two New Hybrid White Dwarfs, MCT 0128-3846 and MCT 0453-2933, and the Nature of the DAB Stars, 1994, *ApJ*, **429**, 369

M. A. Barstow, J. B. Holberg & D. Koester, Limits on the Hydrogen Layer Mass and Consequent Helium Opacity in Hot DA White Dwarf Atmospheres, 1994, *MNRAS*, **268**, L35

H. S. Stockman, G. D. Schmidt, J. Liebert & J. B. Holberg, Eclipse Mapping of the Accreting Magnetic White Dwarf in DP Leo with HST, 1994, *ApJ*, **430**, 323

M. A. Barstow, J. B. Holberg, T. A. Fleming, M. C. Marsh, D. Koester & D. Wonnacott, A. ROSAT Survey of Hot DA White Dwarfs in Non-Interacting Binary Systems, 1994, *MNRAS*, **270**, 499

M. A. Barstow, J. B. Holberg & D. Koester, Extreme Ultraviolet Spectrophotometry of HD 15638 and HR8210 (IK PEG), 1994, *MNRAS*, **270**, 516

M. A. Barstow, J. B. Holberg, M. C. Marsh, R. W. Tweedy, M. R. Burleigh, T. A. Fleming, D. Koester, A. J. Penny & A. E. Sansom, RE1738+665, The Hottest DA White Dwarf Detected by ROSAT, 1994, *MNRAS*, **271**, 175

### 1993

- R. W. Tweedy, J. B. Holberg, M. A. Barstow, P. Bergeron, A. D. Grauer, J. Liebert & T. A. Fleming, RE 1016-053: a Pre-Cataclysmic Binary, and the First EUV and X-ray Detections of a DAO White Dwarf, 1993, *AJ*, **105**, 1938
- A. N. Witt, J. K. Petersohn, J. B. Holberg, J. Murthy, A. Dring & R. C. Henry, *Voyager 2* Observations of NGC 7023: Dust Scattering Shortward of 1600 Å, 1993, *ApJ*, **410**, 714
- M. A. Barstow, T. A. Fleming, C. J. Diamond, D. S. Finley, A. E. Samson, S. R. Rosen, D. Koester, M. C. Marsh, J. B. Holberg & K. Kidder, ROSAT Studies of the Composition and Structure of DA White Dwarf Atmospheres, 1993, *MNRAS*, **264**, 16
- J. Murthy, M. Im, R. C. Henry & J. B. Holberg, Emission Lines from Hot Gas in Eridanus, 1993, *ApJ Letters*, **419**, 739
- P. L. Smith, B. R. Sandel, & J. B. Holberg, Using the Voyager Spacecraft for Solar EUV Spectral Radiometry, 1993, *Metrologia*, **30**, 397
- W. B. Hubbard, C. C. Porco, D. M. Hunten, G. H. Rieke, M. J. Rieke, D. W. McCarthy, V. Haemmerle, R. Clarke, E. P. Turtle, J. Huller, B. McLeod, L. A. Lebofsky, R. Marcialis, J. B. Holberg, R. Landau, L. Carrasco, J. Elias, M. W. Buie, S. E. Persson, T. Boroson, S. West & D. J. Mink, The Occultation of 28 Sgr by Saturn: Saturn Pole Position and Astrometry, 1993, *Icarus*, **103**, 215
- J. B. Holberg, M. A. Barstow, D. Buckley, A. Chen, S. Dreizler, M. C. Marsh, D. O'Donoghue, E. M. Sion, R. W. Tweedy, G. Vauclair & K. Werner, Two New Extremely Iron-Rich Hot DA White Dwarfs and the Nature of the EUV Opacity, *ApJ*, **416**, 806, 1993.
- O. Vancura, W. P. Blair, K. S. Long, J. C. Raymond & J. B. Holberg, A Far-Ultraviolet Study of the Cygnus Loop Using the Voyager Ultraviolet Spectrometers, 1993, *ApJ*, **417**, 663
- M. Cheselka, J. B. Holberg, R. Watkins & J. Collins, UVB Photometry of Hot White Dwarf Stars, 1993, *AJ*, **106**, 2365

### 1992

- A. E. Sansom, M. A. Barstow, J. B. Holberg & K. M. Kidder, Search for EUV Emission from Hot Subdwarfs in the ROSAT Wide-Field Camera Survey, 1992, *MNRAS*, **256**, 1
- K. Kidder, J. B. Holberg, M. A. Barstow, R. W. Tweedy & F. Wesemael, The Coolest DA White Dwarfs Detected at Soft X-Ray Wavelengths, 1992, *ApJ*, **394**, 288

### 1991

- W. P. Blair, K. S. Long, O. Vancura & J. B. Holberg, Far Ultraviolet Mapping of the Cygnus Loop with the Voyager 2 Ultraviolet Spectrometer, 1992, *Ap J.*, **374**, 202

- J. B. Holberg, B. Ali, T. E. Carone & R. Polidan, Absolute Far-Ultraviolet Spectrophotometry of Hot Subluminous Stars from Voyager, 1992, *ApJ*, **375**, 716
- P. Bergeron, K. M. Kidder, J. B. Holberg, J. Liebert, F. Wesemael & R. A. Saffer, The Isolated Massive DA White Dwarf GD 50, 1991, *ApJ.*, **372**, 267
- J. B. Holberg, T. E. Carone & R. S. Polidan, Absolute Spectrophotometry of Hot Subluminous Stars from Voyager, 1991, *Adv. in Space Res.*, **11**, 33
- K. M. Kidder, J. B. Holberg & P. A. Mason, UBV Photometry of Hot DA White Dwarfs, 1991, *A J*, **101**, 579
- J. Murthy, R. C. Henry & J. B. Holberg, Constraints on the Optical Properties of Interstellar Dust in the Far-Ultraviolet: Voyager Observations of the Diffuse Sky Background, 1991, *ApJ*, **383**, 198

### 1990

- D. Daou, F. Wesemael, P. Bergeron, G. Fontaine & J. B. Holberg, Spectroscopic Studies and Atmospheric Parameters of Pulsating DA White Dwarfs (ZZ Ceti) Stars, 1990, *ApJ*, **364**, 242
- M. A. Barstow & J. B. Holberg, The Photospheric Temperatures and Composition of Very Hot He\_Rich White Dwarfs, 1990, *MNRAS*, **245**, 370
- J. B. Holberg, K. M. Kidder & F. Wesemael, Detection of Trace Helium, in G104-27, A 26,000K DA White Dwarf, 1990, *ApJ Letters*, **365**, L77

### 1989

- A. L. Broadfoot, S. K. Atreya, J. L. Bertaux, J. E. Blamont, A. J. Dessler, T. M. Donahue, W. T. Forrester, D. T. Hall, F. Herbert, J. B. Holberg, D. M. Hunten, V. A. Krasnopolsky, S. Linick, J. I. Lunine, J. C. McConnell, H. W. Moos, B. R. Sandel, N. M. Schneider, D. E. Shemansky, G. R. Smith, D. F. Strobel & R. V. Yelle, Ultraviolet Spectrometer Observations of Neptune and Triton, 1989, *Science*, **246**, 1459-1466
- J. Liebert, R. Green, H. E. Bond, J. B. Holberg, F. Wesemael, T. A. Fleming & K. Kidder, A Compact Planetary Nebula Around the Hot White Dwarf EGB 6/PG0950+139, 1989, *ApJ*, **346**, 251
- S. Demers, F. Wesemael, M. J. Irwin, G. Fontaine, R. Lamontagne, S. O. Kepler & J. B. Holberg, MCT 0130\_1937, A New, Color-Selected PG 1159 Object, 1989, *ApJ*, **351**, 271

### 1988

- R. G. French, J. L. Elliot, L. M. French, J. An Kangas, K. L. Meech, M. Ressler, M. W. Buie, J. A. Frogel, J. B. Holberg, J. Jimenez-Fuensialid, M. Joy & R. A. Simpson, Uranian Ring Orbits from Earth-Based and Voyager Occultation Observations, 1988, *Icarus*, **73**, 349

### 1987

- J. E. Pringle, F. M. Bateson, B. J. M. Hassall, J. Heise, J. B. Holberg, R. S. Polidan, S. van Amerongen, H. van der Woerd, J. van Paradijs & F. Verbunt, Multiwavelength Monitoring of the Dwarf Nova VW Hydri: I. Overview, 1987, *MNRAS*, **225**, 73
- R. S. Polidan & J. B. Holberg, Multiwavelength Monitoring of the Dwarf Nova VW Hydri: IV-Voyager Observations, 1987, *MNRAS*, **225**, 131
- J. B. Holberg, P. D. Nicholson, R. G. French, J. L. Elliot, Stellar Occultation Probes of the Uranian Rings at 0.1 and 2.2  $\mu\text{m}$ : A Comparison of Voyager UVS and Earth-Based Results, 1987, *AJ*, **94**, 178
- R. A. Downes, E. M. Sion, J. Liebert & J. B. Holberg, High Resolution Spectroscopy of the Peculiar DZ01 Degenerate KPD0005+5106, 1987, *ApJ*, **321**, 943
- F. Herbert, R. B. Sandel, R. V. Yelle, J. B. Holberg, A. L. Broadfoot, D. E. Shemansky, S. K. Atreya, P. N. Romani, The Upper Atmosphere of Uranus: EUV Occultations Observed by Voyager 2, 1987, *J. Geophys. Res.*, **92**, 15093

### 1986

- J. B. Holberg, F. Wesemael & J. Basile, DA White Dwarf Effective Temperatures Determined from *IUE* Lyman Alpha Profiles, 1986, *ApJ*, **306**, 629
- M. A. Barstow, J. B. Holberg, A. D. Grauer & D. E. Winget, The Detection of Photospheric X-ray Pulsations from PG 1159\_035 with EXOSAT, 1986, *ApJ Letters*, **306**, L25
- J. B. Holberg, Far Ultraviolet Background Observations at High Galactic latitude: II. Diffuse Emission, 1986, *ApJ*, **311**, 969
- A. L. Broadfoot, F. Herbert, J. B. Holberg, D. M. Hunten, S. Kumar, B. R. Sandel, D. E. Shemansky, G. R. Smith, R. V. Yelle, D. F. Strobel, H. W. Moos, T. D. Donahue, S. K. Atreya, J. L. Bertaux, J. E. Blamont, J. C. McConnell, A. J. Dessler, S. Linick & R. Springer, Ultraviolet Spectrometer Observations of Uranus, 1986, *Science*, **233**, 74
- J. A. Nousek, H. L. Shipman, J. B. Holberg, J. Liebert, S. H. Pravdo, N. E. White & P. Giommi, H1504+65: An Extraordinarily Hot Compact Star Devoid of Hydrogen and Helium, 1986, *ApJ*, **309**, 230

### 1985

- J. B. Holberg & H. B. Barber, Far Ultraviolet Background Observations at High Galactic Latitude: I. The Coma Cluster, 1985, *ApJ*, **292**, 16
- J. B. Holberg, F. Wesemael, G. Wegner & F.C. Bruhweiler, An Analysis of the Bright White Dwarf, CD -38° 10980, 1985, *ApJ*, **292**, 302
- F. Wesemael, J. B. Holberg, S. Veilleux, R. Lamontagne & G. Fontaine, Studies of Hot B Subdwarfs. II. Energy Distributions of Three Bright sdB/sdOB Stars in the 950-5500  $\text{\AA}$

Range, 1985, *ApJ*, **298**, 859

### 1984

- C. Porco, G. E. Danielson, P. Goldreich, J. B. Holberg & A. L. Lane, Saturn's Non\_Axisymmetric Ring Edge at 1.95  $R_S$  and 2.27  $R_S$ , 1984, *Icarus*, **60**, 17
- C. Porco, P. D. Nicholson, N. Borderies, G. E. Danielson, P. Goldreich, J. B. Holberg, A.L. Lane & H. Zebker, The Eccentric Saturnian Ringlets at 1.29  $R_S$ , and 1.45  $R_S$ , 1984, *Icarus*, **60**, 1
- J. B. Holberg, F. Wesemael & I. Hubeny, The Far\_Ultraviolet Energy Distribution of Sirius B from Voyager 2, 1984, *ApJ*, **280**, 679
- D. C. Barry, J. B. Holberg, W. T. Forrester, R. S. Polidan & I. Furenlid, Far\_Ultraviolet Observations of BW Vulpeculae with Voyager 2, 1984, *ApJ*, **281**, 766
- R. S. Polidan & J. B. Holberg, Far-UV and Extreme UV Observations of SS Cyg and U Gem from Voyagers 1 & 2, 1984, *Nature*, **309**, 528
- J. S. Drilling, J. B. Holberg & D. Schonberner, Far Ultraviolet Spectrophotometry of Two Very Hot O-Type Subdwarfs, 1984, *ApJ Letters*, **283**, L67

### 1983

- L. W. Esposito, N. Borderies, P. Goldreich, J. N. Cuzzi, J. B. Holberg, A. L. Lane, R. B. Pomphrey, R. J. Terrile, J. J. Lissauer, E. A. Marouf, G. L. Tyler, The Eccentric Ringlet in the Maxwell Gap at 1.45 Saturn Radii: Multi-Instrument Voyager Observations, 1983, *Science*, **222**, 57
- R. A. Simpson, G. L. Tyler & J. B. Holberg, Saturn's Pole: Geometric Correction Based on Voyager UVS and Radio Occultations, 1983, *AJ*, **88**, 1531

### 1982

- G. R. Smith, D. F. Strobel, A. L. Broadfoot, B. R. Sandel, D. E. Shemansky & J. B. Holberg, Titan's Upper Atmosphere: Composition and Temperature from the EUV Solar Occultation Results, 1982, *J. Geophys. Res.*, **87**, 1351-1359
- B. R. Sandel, D. E. Shemansky, A. L. Broadfoot, J. B. Holberg, G. R. Smith, J. C. McConnell, D. F. Strobel, S. K. Atreya, T. M. Donahue, H. W. Moos, D. M. Hunten, R. B. Pomphrey & S. Linick, Extreme Ultraviolet Observations from the Voyager 2 Encounter with Saturn, 1982, *Science*, **215**, 548
- J. B. Holberg, W. T. Forrester & J. J. Lissauer, Identification of Resonance Features within the Rings of Saturn, 1982, *Nature*, **297**, 115
- J. B. Holberg, W. T. Forrester, D. E. Shemansky & D. C. Barry, Voyager Absolute Far\_Ultraviolet Spectrophotometry of Hot Stars, 1982, *ApJ*, **257**, 656

- J. C. McConnell, J. B. Holberg, G. R. Smith, B. R. Sandel, D. E. Shemansky & A. L. Broadfoot, A New Look at the Ionosphere of Jupiter in Light of the UVS Occultation Results, 1982, *Planet. and Space Sci.*, **30**, 151
- J. B. Holberg, Identification of 1980S27 & 1980S26 Resonances in Saturn's A Ring, 1982, *AJ*, **87**, 1416
- G. R. Smith, D. E. Shemansky, J. B. Holberg, A. L. Broadfoot, B. R. Sandel & J. C. McConnell, Saturn's Upper Atmosphere from the Voyager 2 EUV Solar and Stellar Occultations, 1982, *J. Geophys. Res.*, **88**, 8667

### 1981

- A. L. Broadfoot, B. R. Sandel, D. E. Shemansky, J. B. Holberg, G. R. Smith, D. F. Strobel, J. C. McConnell, S. Kumar, D. M. Hunten, S. K. Atreya, T. M. Donahue, H. W. Moos, J. L. Bertaux, J. E. Blamont, R. B. Pomphrey, S. Linick, Extreme Ultraviolet Observations from Voyager 1 Encounter with Saturn, 1981, *Science*, **212**, 206
- A. L. Broadfoot, B. R. Sandel, D. E. Shemansky, J. C. McConnell, G. R. Smith, J. B. Holberg, S. K. Atreya, T. M. Donahue, D. F. Strobel & J. L. Bertaux, Overview of Voyager Ultraviolet Spectrometry Results through Jupiter Encounter, 1981, *J. Geophys. Res.*, **86**, 8259

### 1980

- D. C. Barry, B. R. Sandel, J. B. Holberg, W. T. Forrester & A. L. Broadfoot, An Upper Limit on the EUV Flux from HD 192273, 1980, *Nature*, **285**, 5762
- J. B. Holberg, B. R. Sandel, W. T. Forrester, A. L. Broadfoot, H. L. Shipman & D. C. Barry, EUV and FUV Observations of the White Dwarf HZ 43 from Voyager 2, 1980, *ApJ*, **242**, L119

### 1979

- A. L. Broadfoot, M. J. S. Belton, P. Z. Takacs, B. R. Sandel, D. E. Shemansky, J. B. Holberg, J. M. Ajello, S. K. Atreya, T. M. Donahue, H. W. Moos, J. L. Bertaux, J. E. Blamont, D. F. Strobel, J. C. McConnell, A. Dalgarno, R. Goody, M. B. McElroy, Extreme Ultraviolet Observations from Voyager 1 Encounter with Jupiter, 1979, *Science*, **204**, 979
- S. Kumar, J. Holberg, A. L. Broadfoot & M. J. S. Belton, The Lyman  $\alpha$  Observations of Comet Kohoutek from Mariner 10, 1979, *ApJ*, **232**, 616
- B. R. Sandel, D. E. Shemansky, A. L. Broadfoot, J. L. Bertaux, J. E. Blamont, M. J. S. Belton, J. M. Ajello, J. B. Holberg, S. K. Atreya, T. M. Donahue, H. W. Moos, D. F. Strobel, J. C. McConnell, A. Dalgarno, R. Goody, M. B. McElroy, P. Z. Takacs, Extreme Ultraviolet Observations from Voyager 2 Encounter with Jupiter, 1979, *Science*, **206**, 962

**1974**

J. B. Holberg, F. Paresce, Conjugate Excitation of Atomic Oxygen Emissions in the Ultraviolet, 1974, *Astrophys. and Space Science*, **30**, 115

**1973**

J. B. Holberg, S. Bowyer & M. Lampton, Upper Limits on an Ionized Intracluster Medium in the Coma Cluster, 1972, *ApJ Letters*, **180**, L55

**1972**

F. Paresce, M. Lampton & J. Holberg, Extreme Ultraviolet Emissions from an Aurora, *J. 1972, Geophys. Res.*, **77**, 4773

**REVIEWS:**

J. B. Holberg, Observations of Hot DA White Dwarfs, in Proceedings of IAU Colloquium 95: *The Second Conference on Faint Blue Stars*, A. G. D. Philip, D. S. Hayes, & J. Liebert, eds., L. Davis Press, Schenectady, NY, p. 285, 1987.

J. B. Holberg, K. Kidder, J. Liebert & F. Wesemael, Helium Abundance in Hot White Dwarfs, in Proceedings of IAU Colloquium No. 114, *White Dwarfs*, G. Wegner, ed., p. 188, 1988.

J. B. Holberg, Extreme & Far Ultraviolet Astronomy from Voyagers 1 and 2, in IAU Colloquium No. 123, *Observatories in Earth Orbit and Beyond*, Kluwer Academic Publications, p. 47, 1990.

J. B. Holberg, EUV Results from Voyager, in *Extreme Ultraviolet Astronomy*, R. Malina and S. Bowyer, eds., Pergamon Press, p. 8, 1991.

J. B. Holberg, Recent IUE Results on the Photospheres and Circumstellar Environments of Hot White Dwarfs in *White Dwarfs*, eds D. Koester & K Werner, *Lecture Notes in Physics*, Springer Verlag, 448, 138, 1995

J. B. Holberg, M. A. Barstow, E. M. Sion, White Dwarfs at High Dispersion: Analysis of the Final Archive Data Set in *Ultraviolet Astrophysics Beyond the IUE Final Archive*, ESA SP-413, p 237, 1998

J. B. Holberg, M. A. Barstow, E. M. Sion, Photospheric and non-Photospheric Features in the Spectra of Hot White Dwarfs in *The Third Conference on Faint Blue Stars*, eds. A.D.G Philip, R.A Saffer and J.W Liebert, L. Davis Press, Schenectady NY, p331, 1999

**Conference Proceedings:**

**2006**

- Holberg, J. B., White Dwarfs as Photometric Calibrators of Large Surveys, ASP Conference Series, Vol. (in press)
- Holberg, J. B., Using DA White Dwarfs to Calibrate Synthetic Photometry, in The Future of Photometric Spectrophotometric and Polarimetric Standardization, ASP Conference Series, Vol. 364, ed, C. Sterken, p553

**2004**

- J. B. Holberg, & K. Magargal, 2MASS Photometry of the Hot DA White Dwarf Stars in the Palomar Green Survey, 2004, BAAS, 36
- J. B. Holberg, A New Determination of the Visual and Photographic Orbit for Sirius, BAAS, 36,
- Barstow, M. A., Holberg, J. B., Burleigh, M.R., Dobbie, P. D., Hubeny, I, Good, S. A., Far-UV Spectroscopy of Hot White Dwarfs, 2004 Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE, eds G. Sonneborn, H.W. Moos, and B-G. Anderson, p 206
- Holberg, J. Sing, D., Hubeny, I., & Barstow, M., A FUSE Legacy Program of DA White Dwarf Observations, 2004, Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE, eds G. Sonneborn, H.W. Moos, and B-G. Anderson, p 197
- Lanz, T., Holberg, J. B. & Hubeny, I. FUSE Spectroscopy of Hybrid White Dwarfs, Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE, eds G. Sonneborn, H.W. Moos, and B-G. Anderson, p 230
- Sing, D., Holberg, J. B., Burleigh, M. R., Good, S. A., Barstow, M. A., Oswalt, T. D., & Howell, S., FUSE Observations of the young, Post-CE Pre-CV systems HS 1136+6646, 2004, Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE, eds G. Sonneborn, H.W. Moos, and B-G. Anderson, p 236
- Holberg, J. B. & Magargal, K., Finding the Cool Companions of the PG DA White Dwarfs, in 14<sup>th</sup> European Workshop on White Dwarfs, eds D. Koester, S. Moehler, 2004, ASPCS, Vol 334, p419
- Sing, D.K., Holberg, J. B., Howell, S., Burleigh, M., Good, S. & Barstow, M. A. Ultraviolet Observations of the Young Pre-IP Candidate HS1136+6646, eds D. Koester, S. Moehler, 2004, ASPCS, Vol 334, p393
- Barstow, M.A., Burleigh, M. R. Holberg, J. B., Hubeny, I., Bond, H. E. & Koester, D., HST Observations of the Sirius B Balmer Lines, eds D. Koester, S. Moehler, 2004, ASPCS, Vol 334, p175

**2003**

- J. B. Holberg, J. W. Kruk, D. Koester, M. A., Barstow, M. R, Burleigh, & M. S. Sahu, A New Determination of the Spectroscopic Mass and Radius for Sirius B, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 113
- M. A. Barstow, S. A. Good, N. P. Bannister, M. R. Buirleigh, J. B. Holberg, F. C. Bruwheiler, R.



- Napiwotzki, R. G. Cruddace, & M. P. Kowalski, High Resolution EUV & FUV Spectroscopy of DA White Dwarfs, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 121
- S. A. Good, M. A., Barstow, M. R. Burleigh, J. B. Holberg, D. Sing, R. Napiwotzki, & F. C. Bruhweiler, Spectroscopic Determination of Mass for a Sample of DAO White Dwarfs, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 143
- M. Burleigh, M. Barstow, M. Good, S., H. E. Bond, & J. Holberg, Far-UV Observations of Sirius-Like Binaries, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 341
- J. B. Holberg, An Improved visual and Photographic Orbit for Sirius, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 343
- D. K. Sing, J. B. Holberg, M.A. Barstow, M. Bruleigh, S. Good, T. Oswalt, S. Howell, C. Brinkworth, HS 1136+6646: A hot DA).5+K6V young post-CE, pre-CV binary, 2003, in *White Dwarfs*, eds: D.de Martino, R. Silvotti, J\_E. Solheim,& R. Kalytis, NATO Science Series, Vol 105, Kluwer, p 349
- J. B. Holberg, Barstow, M. A., Hubeny, I., Sahu, M. S., Bruhweiler, F. C., Landsman, W. B. 2003, A Detailed View of the Photosphere of the Hot White Dwarf G191-B2B from STIS in Hubble's Science Legacy: future Optical-Ultraviolet Astronomy from Space, ASP Conference Series, eds. K. R. Sembach, Blades, J. C., Illingworth, G. D., K. C. Kennicutt, p383

## 2001

- J. B. Holberg, G. P. McCook, E. M. Sion, T. Oswalt, and M. Burleigh, White Dwarf Catalogues, Databases and Websites in Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p359
- J. B. Holberg, T. D. Oswalt & E. M. Sion, The Local Space Density of White Dwarfs, in Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p375
- D. Sing, J. B. Holberg, & J. Dupuis, *A Comparison of the EUVE Fluxes with Absolute Stellar Calibration at Longer Wavelengths*: in Continuing the Challenge of the EUV Astronomy: Current Analysis and Prospects for the Future. eds S. B. Howell, J. Dupuis, D. Golombek, F. W. Walter, & Jennifer Cullison Astron. Soc. of the Pacific Conference Series Vol.264, p57, 2002
- D. Koester, & J. B. Holberg, Non-Linear Effects in Time-Resolved Spectra of DAV White Dwarfs, in Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p303
- M. Burleigh, M. Barstow, J. Holberg, Resolving Sirius-like binaries with the Hubble Space Telescope, Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p222

M. A. Barstow, M. R. Burleigh, N. P. Bannister, J. B. Holberg, & I. Hubeny, *FUSE* Observations of the Hottest DA White Dwarfs, in Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p94

N. P. Bannister, M. A. Barstow, J. B. Holberg, & F. Bruhweiler, *STIS* Observations of five hot DA White Dwarfs, in Proceedings of the 12<sup>th</sup> European Workshop on White Dwarfs, eds J. L. Provencal, H. L., J. MacDonald, and S. Goodchild, 2001, ASP Conf. Ser. Vol.226, p105

### 1999

J. B. Holberg, M. R. Burleigh, and E. M. Sion, The Discovery of Si in the White Dwarf KW Aur C, in Proceedings of the 11<sup>th</sup> European Workshop on White Dwarfs, ed J.-E. Solheim & E. Meištas, ASP Conf. Ser. Vol 169 (San Francisco: ASP), 1999, p531

J. B. Holberg, M. A. Barstow, and E. M. Sion, Elemental Abundances in Hot White Dwarfs, in Proceedings of the 11<sup>th</sup> European Workshop on White Dwarfs, ed J.-E. Solheim & E. Meištas, ASP Conf. Ser. Vol 169 (San Francisco: ASP), 1999, p485

I. Hubeny, M. A. Barstow, T. Lantz, and J. B. Holberg, Non\_LTE Model Atmospheres of Hot DA White Dwarfs, in Proceedings of the 11<sup>th</sup> European Workshop on White Dwarfs, ed J.-E. Solheim & E. Meištas, ASP Conf. Ser. Vol 169 (San Francisco: ASP), 1999, p445

M. A. Barstow, I. Hubeny, and J. B. Holberg, Evidence for the Stratification of Fe in the photosphere of G191-B2B, in Proceedings of the 11<sup>th</sup> European Workshop on White Dwarfs, ed J.-E. Solheim & E. Meištas, ASP Conf. Ser. Vol 169 (San Francisco: ASP), 1999, p479

J. Collins, J. B. Holberg, and R. Watkins, The U of A White Dwarf Home Page: Finding Charts, Positions, and Other Information at the Click of a Button. in Proceedings of the 11<sup>th</sup> European Workshop on White Dwarfs, ed J.-E. Solheim & E. Meištas, ASP Conf. Ser. Vol 169 (San Francisco: ASP), 1999, p65

### 1998

Stalio, R, Broadfoot, A.L., Vojko, B., Holberg, J. B., Sandel, B. R., & Trampus, P., Preliminary Scientific results from UVSTAR, 1998, *Proc. SPIE*, 3356, 1018-1026

### 1997

J. Liebert, T. A. Fleming, J. B. Holberg, P. Bergeron, & R. Saffer, Towards a luminosity function of the hot DA white dwarfs, in White Dwarfs, eds, J. Isern, M. Hernanz, and E. Garcia-Berro, Kluwer, 1997, p85

A. Bragaglia, F. R. Ferro, A. Renzini, R. Gilmozzi, J. B. Holberg, J. Liebert, S. Ortolaani, F. Wesemeael, & R. Bohlin, The distance and age of the globular cluster NGC 6752 measured by HST observations of cluster and field white dwarfs, in White Dwarfs, eds, J. Isern, M. Hernanz, and E. Garcia-Berro, Kluwer, 1997, p135

M. A. Barstow, J. B. Holberg, I. Hubeny, & T. Lanz, Heavy elements in white dwarf envelopes,

in White Dwarfs, eds, J. Isern, M. Hernanz, and E. Garcia-Berro, Kluwer, 1997,

**1994**

Stalio, R, Broadfoot, A.L., Holberg, J. B., Viola, F. Sabbah, J., Ultraviolet Spectrograph Telescope for Astronomical Research (UVSTAR): a spectrographic telescope for the Shuttle Hitchhiker-M bridge, 1994, *Proc. SPIE*, 2283, 20-28

**1990**

J. B Holberg, Spectra of the Far-Ultraviolet Background Shortward of 1200 Å from Voyager 2. The Galactic and Extragalactic Background Radiation, 1990, IAU Symp. No. 139, Kluwer, 220.