Name and Institution: ROBERT D. GEHRZ
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Home Address: 2285 Folwell Avenue, St. Paul, MN 55108

Date of Birth: December 28, 1944

Education: B.A., physics, University of Minnesota, 1967
Ph.D., physics, University of Minnesota, 1971 (Advisor: Neville J. Woolf)

Experience: Research Associate, University of Minnesota, 1971-1972
Assistant Professor, University of Wyoming, 1972-1978
Associate Professor, University of Wyoming, 1978-1983
Director, Wyoming Infrared Observatory, 1983-1985
Professor, University of Wyoming, 1983-1985
Adjunct Professor, University of Wyoming, 1985-2000
Professor, University of Minnesota, 1985-present
Director, University of Minnesota Observatories, 1989-present
Interim Chair, Department of Astronomy, University of Minnesota, 2005-2006
Chair, Department of Astronomy, University of Minnesota, 2006-2011
Founding Director, Minnesota Institute for Astrophysics, 2011-2014

Honors and Awards: NASA Pre-Doctoral Traineeship (1968-71)
Fellow, Explorers Club, 1979
Fellow, American Assoc. for the Advancement of Science, 1995
President, American Astronomical Society, 1999-2001
Fellow, American Physical Society, 2004
NASA Group Achievement Award, 2004
Outstanding Instructor Award, University of Minnesota Institute of Technology Student Board, 1991, 1992, 1994, 2004, 2005, 2006

Affiliations: Member, American Astronomical Society
Member, International Astronomical Union
Fellow, American Physical Society 2004
Fellow, American Association for the Advancement of Science 1994
Member, Astronomical Society of the Pacific
Member, Sigma Xi
Fellow, Royal Astronomical Society
Fellow, Explorers Club, elected 1979

Professional Activities

Director at Large, Associated Universities for Research in Astronomy, Inc. (AURA), 1976-1977

Member, NASA Focal-Plane Instrumentation Study Team (FIRST) for SIRTF, 1977-1980

Member, National Science Foundation (NSF) Astronomy Advisory Committee (AAC), 1977-1980

Chair, National Science Foundation Optical/Infrared Subcommittee, 1978-1980

Member, NASA Design Optimization Study Team (DOST) for SIRTF, 1978-1980

Member, National Academy of Sciences Astronomy Survey Committee (Field Committee), 1978-1982

Chair, Subcommittee on Galactic Astronomy, National Academy of Sciences Astronomy Survey Committee, 1978-1982

Member, NSF Subcommittee on Millimeter Wave Facilities, 1979

Member, Organizing Committee for KPNO workshop on Optical and Infrared Telescopes for the 1990's, 1979

Member, Steering Committee for IAU Symposium No. 96 on Infrared Astronomy, 1979-1980

Member, Steering Committee for KPNO Dark Site Sky Survey, 1980-1982

Member and Chair, AURA Observatories Visiting Committee, 1981-1984.

Member, Infrared Working Group (IRWG), University of California Ten Meter Telescope (TMT) Project, 1981-82

Member, Management Operations Working Group (MOWG) for the NASA Infrared Telescope Facility (IRTF), 1982-1987

Chair, NOAO National New Technology Telescope (NNTT) Scientific Advisory Committee (SAC),1983-1984

Member, Ad Hoc Review Committee for the University of Texas Seven Meter Telescope Project, 1984

Member, Technology Review Committee for the Keck Telescope Project, 1984-1985

Member, NOAO Scientific Program Audit and Review Committee (SPARK), 1985-1986

Member, NSF Subcommittee on Large Optical/Infrared Telescopes, 1985-1986

Member, Space Telescope Advisory Committee (STAC),1983-1985

Chair, American Astronomical Society (AAS) Committee on Astronomy and Public Policy (CAPP), 1985-1987

Councilor, American Astronomical Society (AAS), 1986-1989

Member, NRC Committee on Planetary and Lunar Exploration (COMPLEX), 1986-1989

Chair, NOAO NNTT Infrared Imaging and Photometry Working Group, 1985-1987

Member, NSF Advisory Committee on Astronomy (ACAST), 1987-1990

Member, NSF Optical/Infrared Subcommittee of ACAST,1987-1990

Member, Infrared Subcommittee of the NAS Astronomy and Astrophysics Survey Committee (Bahcall Committee), 1990-1991

Member, Steering Group of American Association for Advancement of Science (AAAS), Astronomy Section, 1991-1993

Chair, Project Management Review Team for the University of Texas/ Penn State University Spectroscopic Survey Telescope (HET), 1992

Chair and member, NASA IR Management Operations Working Group (IRMOWG), 1991-1995

Member and Member of the Executive Committee, NASA Astrophysics Subcommittee of the NASA Space Science and Applications Advisory Committee, 1992-1995

Member and Chair, Committee of External Advisors for Center for Antarctic Research in Astronomy (CARA), Yerkes Observatory, 1992-1997

Member, Space Infrared Telescope Facility (SIRTF) Science Working Group (SWG), 1992-present

Member, Large Binocular Telescope Project Technical Review Committee, 1993

Chair, Gemini Project Primary Mirror Assembly Preliminary Design Review, 1993-1994

Member, Internal JPL SIRTF Replanning Peer Review, 1994

Chair, Gemini Project Systems Review Number One, 1994

Chair and member, International Gemini Board, 1996-1999

Member, NASA Origins Advisory Committee (OSC), 1996-1997

Member, NASA Space Science Advisory Committee (SScAC) , 1997-2001

Member, NASA SScAC Mission Operations and Data Analysis (MO&DA) Task Force, 1997-1998

Chair, AURA Gemini Director Evaluation Committee,1998

Member, NASA SIRTF Science Users Panel (SUP) 1998-2001

President Elect, American Astronomical Society, 1997-1998

Chair, NSF Division of Astronomical Sciences (AST) Portfolio Allocation Review (PAR) Committee, 1999

President, American Astronomical Society, 1998-2000

Past-President, American Astronomical Society, 2000-2001

Principal, SIRTF In-Orbit Checkout (IOC) Focus Integrated Products Team (IPT), 2000-present

Member, NOAO Director's Balancing Review Committee, 2001

Member, External Review Committee, Department of Astronomy and MacDonald Observatory, University of Texas, 2001

Member, External Review Committee, Institute for Astronomy, The University of Hawaii, 2001

Member, Institute for Astrophysical Research Advisory Board, Boston University, 2001- 2007

Member, American Astronomical Society (AAS) Committee on Astronomy and Public Policy (CAPP), 2001- 2003

Member, NAS Committee on Organization and Management of Research in Astronomy and Astrophysics (COMRAA), 2001

Chair, NSF/NASA National Astronomy and Astrophysics Advisory Committee (NAAAC), 2002-2005

Member, James Webb Space Telescope (JWST) Telescope Product Integrity Team (PIT), 2001-present

Member, James Webb Space Telescope Science Assessment Team (SAT), 2005

Member, Large Synoptic Survey Telescope (LSST) Site Selection Committee (SSC), 2005-2006

Member, NASA Stratospheric Observatory for Infrared Astronomy (SOFIA) Science Steering Committee (SSSC), 2007 - 2011

Leader, NASA Stratospheric Observatory for Infrared Astronomy (SOFIA) Community Task Force (SCTF), 2007 – 2011

Member, Canada Foundation for Innovation (CFI) Expert Committee #305, 2008

Member, Joseph Weber Award Committee, American Astronomical Society, 2008-2013

University of Minnesota Representative, Universities Space Research Corporation (USRA), 2011-present

Chair, NASA Stratospheric Observatory for Infrared Astronomy (SOFIA) Users Group (SUG), 2012 - 14

Member, NASA Stratospheric Observatory for Infrared Astronomy (SOFIA) Users Group (SUG), 2014-present

Principal Publications of Robert D. Gehrz ***(† refereed paper; ‡ invited review)***

† 1. "Laser Mode Structure Experiments for Undergraduate Students," R.A. Phillips and R.D. Gehrz, 1970, Am. J. Phys., 38, 429.

† 2. "Interstellar Silicate Absorption Bands," Hackwell, J.A., R.D. Gehrz and N.J. Woolf, 1970, Nature, 227, 882.

† 3. "RV Tauri Stars: A New Class of Infrared Object," R.D. Gehrz and N.J. Woolf, 1970, Ap.J. (Letters), 161, L123.

† 4. "Observations of Anomalous Radiation at Long Wavelengths from Ic Class Variables," R.D. Gehrz, E.P. Ney and D.W. Strecker, 1970, Ap.J. (Letters), 161, L219.

† 5. "Mass Loss from M Stars," R.D. Gehrz and N.J. Woolf, 1971, Ap.J., 165, 285.

† 6. "Visual Intrinsic Polarization and Infrared Excess of Cool Stars," H.M. Dyck, W.J. Forrest, F.C. Gillett, W.A. Stein, R.D. Gehrz, N.J. Woolf and S.J. Shawl, 1971, Ap.J., 165, 57.

7. "Infrared Radiation from RV Tauri Stars," R.D. Gehrz, 1971, Ph.D. Thesis, University Microfilms, Ann Arbor, MI.

8. "The Core of Eta Carinae," R.D. Gehrz and E.P. Ney, 1972, Sky and Telescope, 44, 4.

† 9. "Infrared Radiation from RV Tauri Stars I: Survey of Infrared Radiation from RV Tauri Stars and Related Objects," R. D. Gehrz, 1972, Ap.J.,178, 715.

† 10. "Infrared Observations of Southern RV Tauri Stars," R.D. Gehrz and E.P. Ney, 1972, P.A.S.P., 84, 768.

† 11. "Dust Emission Nebulae Around Orion O and B Stars," E.P. Ney, D.W. Strecker and R.D. Gehrz, 1973, Ap.J., 180, 809.

† 12. "The Infrared Spectrum and Angular Size of Eta Carinae," R.D. Gehrz, E.P. Ney, E.E. Becklin and G. Neugebauer, 1973, Ap. Letters, 13, 89.

† 14. "Infrared Observations of Be Stars from 2.3 to 19.5 Microns," R.D. Gehrz, J.A. Hackwell and T.W. Jones, 1974, Ap.J., 191, 657.

† 15. "Infrared Photometry of Wolf-Rayet Stars from 2.3 to 23 Microns," J.A. Hackwell, R.D. Gehrz, and J.R. Smith, 1974, Ap.J., 192, 383.

† 16. “New Infrared Measurements of W Virginis Stars,” R.D. Gehrz and J.A. Hackwell, 1974, Ap.J., 193, 385.

† 17. “Infrared Photometry of High Luminosity Supergiants Earlier than M and the Interstellar Extinction Law,” J.A. Hackwell and R.D. Gehrz, 1974, Ap.J., 194, 49.

† 18. “Circumstellar Dust Emission from WC9 Stars,” R.D. Gehrz and J.A. Hackwell, 1974, Ap.J., 194, 619.

† 19. “Infrared Observations of BD-104661,” J.A. Hackwell, B.W. Bopp and R.D. Gehrz, 1974, Ap.J. (Letters), 192, L79.

† 20. “Photometric Determination of the Radii of M Dwarfs,” B.W. Bopp, R.D. Gehrz and J.A. Hackwell, 1974, P.A.S.P., 86, 989.

† 21. “8-13 Micron Maps of the Trapezium Region of the Orion Nebula,” R.D. Gehrz, J.A. Hackwell and J.R. Smith, 1975, Ap.J. (Letters), 202, L33.

† 22. “A Search for Anonymous AFCRL Infrared Sources,” R.D. Gehrz and J.A. Hackwell, 1976, Ap.J. (Letters), 206, L161.

† 23. “A Low Resolution Infrared Array Spectrometer System for 7-25 Micron Astronomical Observations,” R. D. Gehrz, J. A. Hackwell, and J. R. Smith, 1976, P.A.S.P., 88, 971.

† 24. “Infrared Light Variations of Wolf-Rayet Stars,” J.A. Hackwell, R.D. Gehrz, J.R. Smith and D.W. Strecker, 1976, Ap.J., 210, 137.

† 25. “Copernicus Spectra and Infrared Photometry of 42 Orionis,” H.M. Johnson, T.P. Snow, R.D. Gehrz and J.A. Hackwell, 1977, P.A.S.P., 89, 165.

† 26. “Infrared Maps of W3 from 4.9 Microns to 20 Microns,” J.A. Hackwell, R.D. Gehrz, J.R. Smith and D.A. Briotta, 1978, Ap.J., 221, 797.

† 27. “Infrared Colors and the Diffuse Interstellar Bands,” C. Sneden, R.D. Gehrz, J.A. Hackwell, D.G. York and T.P. Snow, 1978, Ap.J., 223, 168.

28. “Exploring the Infrared Universe from Wyoming,” R.D. Gehrz and J.A. Hackwell, 1978, Sky and Telescope, 55, 467.

† 29. “Observations of the Highly Evolved Carbon Star CRL 3099,” R.D. Gehrz, J.A. Hackwell and D.A. Briotta, 1978, Ap.J. (Letters), 221, L23.

† 30. “Dust Formation Around the Wolf-Rayet Star HD193793,” J.A. Hackwell, R.D. Gehrz and G.L. Grasdalen, 1979, Ap.J., 234, 133.

† 31. “The Detection of an Optical Burst Coincident with an X-ray Burst from MXV1837+05 (Ser X-1),” J.A. Hackwell, G.L. Grasdalen, R.D. Gehrz, J. Paradijs, L. Cominsky and W.H.G. Lewin, 1979, Ap.J. (Letters), 233, L115.

† 32. “RY Scuti: Silicates Around an Early Type Supergiant Binary System,” G.L. Grasdalen, J.A. Hackwell, R.D. Gehrz and D. McClain, 1979, Ap.J. (Letters), 234, L129.

† 33. “The Optically Thin Dust Shell of Nova Cygni 1978,” R.D. Gehrz, J.A. Hackwell, G.L. Grasdalen, E.P. Ney, G. Neugebauer and K. Sellgren, 1980, Ap.J., 239, 570.

† 34. “The Evolution of the Dust Shell of Nova Serpentis 1978,” R.D. Gehrz, G.L. Grasdalen, J.A. Hackwell and E.P. Ney, 1980, Ap.J., 237, 855.

35. “The Optical Identification of the Infrared Source in MWC 349,” A. Herzog, R.D. Gehrz and J.A. Hackwell, 1980, Ap.J., 236, 189.

36. “Imaging in Infrared,” A. Herzog, G.L. Grasdalen, J.A. Hackwell and R.D. Gehrz, 1980, Sky and Telescope, 59, 18.

† 37. “On the Nature of the Peculiar Infrared Source AFGL 2636,” R.D. Gehrz, J.A. Hackwell, G.L. Grasdalen, K.M. Merrill, R.M. Humphreys, R.C. Puetter, R.W. Russell, S.P. Willner and F. Williamson, 1980, A.J., 85, 1071.

† 38. “Optical Polarization and Infrared Spectrum of a Possible Protostar in a Reflection Nebula,” E.P. Ney, B.F. Hatfield and R.D. Gehrz, 1980, Proceedings, National Academy of Sciences (USA), 77, 14.

‡39. “Continuum Observations of the Infrared Sources in the Orion Molecular Cloud,” G.L. Grasdalen, R.D. Gehrz and J.A. Hackwell, 1980, in *Infrared Astronomy*, IAU Symposium #96, eds. C.G. Wynn-Williams and D.P. Cruikshank, (Dordrecht: Reidel), p. 179.

† 40. “Interstellar Grain Size II: Infrared Photometry and Polarization in Orion,” M. Breger, R.D. Gehrz and J.A. Hackwell, 1981, Ap.J., 248, 963.

† 41. “A Correlation Between Infrared Excess and Period for Mira Variables,” K. DeGioia-Eastwood, J.A. Hackwell, G.L. Grasdalen and R.D. Gehrz, 1981, Ap.J. (Letters), 245, L75.

† 42. “10 and 20 Micron Images of Regions of Star Formation,” J.A. Hackwell, G.L. Grasdalen and R.D. Gehrz, 1982, Ap.J. 252, 250.

† 43. “Anatomy of a Region of Star Formation: Infrared Images of S106 (AFGL 2584),” R.D. Gehrz, G.L. Grasdalen, M. Castelaz, C. Gullixson, D. Mozurkewich and J.A. Hackwell, 1982, Ap.J., 254, 550.

† 44. “Star Bursts and the Extraordinary Galaxy NGC 3690,” R.D. Gehrz, R.A. Sramek and D.W. Weedman, 1983, Ap.J., 267, 551.

† 45. “The Stellar Component of the Galaxy as Seen by the AFGL Infrared Sky Survey,” G.L. Grasdalen, R.D. Gehrz, J.A. Hackwell, M. Castelaz and C. Gullixson, 1983, Ap.J. (Supplements), 53, 413.

46. “Maps of Eta Carinae at 6 Wavelengths Between 8 and 13 Microns,” J.A. Hackwell, R.D. Gehrz and G.L. Grasdalen, 1983, Technical Digest of the AAS/OSA Joint Topical Meeting on Information Processing in Astronomy and Optics.

47. “Application of the Maximum Entropy Statistical Method to the Reconstruction of Infrared Images,” G.L. Grasdalen, J.A. Hackwell and R.D. Gehrz, 1983, Technical Digest of the AAS/OSA Joint Topical Meeting on Information Processing in Astronomy and Optics.

† 48. “The Mysterious 10 Micron Emission Feature of Nova Aquilae 1982,” R.D. Gehrz, E.P. Ney, G.L. Grasdalen, J.A. Hackwell and H.A. Thronson, 1984, Ap.J., 281, 303.

† ‡49. “The Formation of Stellar Systems from Interstellar Molecular Clouds,” R.D. Gehrz, D.C. Black and P.M. Solomon, 1984, Science, 224, 823.

† 50. “An Infrared Spatial Study of the Planetary Nebula BD+303639,” A.F. Bentley, J.A. Hackwell, G.L. Grasdalen and R.D. Gehrz, 1984, Ap.J., 278, 665.

† 51. “Imaging with a Single Detector: The Wyoming Approach,” G.L. Grasdalen, J.A. Hackwell and R.D. Gehrz, 1984, P.A.S.P., 96, 1017.

† 52. “GSS30: An Infrared Reflection Nebula GSS30 in the Ophiucus Dark Cloud,” M.W. Castelaz, J.A. Hackwell, G.L. Grasdalen, R.D. Gehrz and C. Gullixson, 1985, Ap.J., 290, 261.

† 53. “Infrared Spectra and Interstellar Reddening of Anonymous Type II OH/IR Stars,” R.D. Gehrz, S.G. Kleinmann, S. Mason, J.A. Hackwell and G.L. Grasdalen, 1985, Ap.J., 290, 296.

† 54. “Infrared Sources and the Excitation of the W40 Complex,” J.R. Smith, A.F. Bentley, M.W. Castelaz, R.D. Gehrz, G.L. Grasdalen and J.A. Hackwell, 1985, Ap.J., 291, 571.

† 55. “A Neon Nova: Discovery of a Remarkable 12.8 Micron [Ne II] Emission Line in Nova Vulpeculae 1984 Number 2,” R.D. Gehrz, G.L. Grasdalen, and J.A. Hackwell, 1985, Ap.J. (Letters), 298, L47; erratum 1986, Ap.J. (Letters), 306, L49.

† 56. “Spatially Extended 10m Emission from the Infrared Reflection Nebula GSS30,” M.W. Castelaz, R.D. Gehrz, G.L. Grasdalen and J.A. Hackwell, 1985, P.A.S.P., 97, 924.

† 57. “20-Micron Transparency and Atmospheric Water Vapor at the Wyoming Infrared Observatory,” G.L. Grasdalen, R.D. Gehrz, J.A. Hackwell and R. Freedman, 1985, P.A.S.P., 97, 1013.

†‡ 58. “The Formation of Stellar Systems from Interstellar Molecular Clouds,” R.D. Gehrz, D.C. Black and P.M. Solomon, 1985, in *Astronomy and Astrophysics*, ed. M. S. Roberts, American Association for the Advancement of Science: Washington, D. C., p 131.

† 59. “An Infrared Reflection Nebula Surrounding SGS1 in the NGC 1333 Dark Cloud,” M.W. Castelaz, J.A. Hackwell, G.L. Grasdalen and R.D. Gehrz, 1986, Ap.J., 300, 406.

† 60. “Morphology of the Nuclear Region of M82 at 2.2 Microns,” D. Dietz, J. Smith, J.A. Hackwell, R.D. Gehrz, and G.L. Grasdalen, 1986, A.J., 91, 758.

† 61. “Infrared Flux Excesses of the Warm Carbon Stars,” J.F. Dominy, D.L. Lambert, R.D. Gehrz, and D. Mozurkewich, 1986, A.J., 91, 951.

† 62. “The Neon Nova II: Condensation of Silicate Grains in the Ejecta of Nova Vulpeculae 1984 #2,” R.D. Gehrz, G.L. Grasdalen, M. Greenhouse, J.A. Hackwell, T. Hayward, and A.F. Bentley, 1986, Ap.J. (Letters), 308, L63.

† 63. “The Internal Structure of the Dust Shell of Carinae Deduced from 6-Channel 8-13m Mapping,” J.A. Hackwell, R.D. Gehrz, and G.L. Grasdalen, 1986, Ap.J., 311, 380.

† 64. “Velocity Structure of Stellar Atmospheres: R Scuti,” D.M. Mozurkewich, R.D. Gehrz, K.H. Hinkle and D.L. Lambert, 1987, Ap.J., 314, 242.

† ‡65. “Infrared Astronomy,” R.D. Gehrz, G.L. Grasdalen and J.A. Hackwell,1987, *The Encyclopedia of Physical Science and Technology*, Vol. 2, 53.

† 66. “Observations of Comet Halley on 13 March 1986,” T.L. Hayward, R.D. Gehrz, and G.L. Grasdalen, 1987, Nature, 326, 55.

67. “Infrared Temporal Development of P/Halley,” R.D. Gehrz and E.P. Ney, 1987, ESA SP-250, Vol. II, p. 101.

† 68. “The Enigmatic Object Variable A in M33,” R.M. Humphreys, T.J. Jones, and R.D. Gehrz, 1987, A.J., 94, 315.

‡69. “Matching Infrared Array Instruments to Future Large Telescopes,” R.D. Gehrz, 1987, in *Infrared Astronomy with Arrays*, eds. E.E. Becklin and C.G. Wynn-William, (University of Hawaii: Honolulu), p. 499.

‡70. “Cometary Dust Composition,” R.D. Gehrz and M.S. Hanner, 1988, in *Infrared Observations of Comets Halley and Wilson and Properties of the Grains*, ed. M. Hanner, NASA Conference Publication 3004, p. 50.

71. “Infrared Observations of P/Halley and P/Encke,” R.D. Gehrz and E.P. Ney, 1988, in *Infrared Observations of Comets Halley and Wilson and Properties of the Grains*, ed. M. Hanner, NASA Conference Publication 3004, p. 145.

† 72. “An Eight-Element Bolometer Array Camera for the WIRO 2.34-m Telescope,” T.C. Williams, J.A. Hackwell, R.D. Gehrz, and G.L. Grasdalen, 1988, P.A.S.P., 100, 124.

† 73. “Near Infrared Light and the Morphology of Arp 220,” J.R. Smith, R.D. Gehrz, G.L. Grasdalen, J.A. Hackwell, and R.D. Dietz, 1988, Ap.J., 329, 107.

† 74. “On the Possibility of Dust Formation in Supernova 1987A,” R.D. Gehrz and E.P. Ney, 1987, Proc. Nat. Acad. Sci. (USA), 84, 6961.

† 75. “Infrared Coronal Lines of Nova Vulpeculae 1984 No. 2,” M.A. Greenhouse, G.L. Grasdalen, T.L. Hayward, R.D. Gehrz and T.J. Jones, 1988, A.J., 95, 172.

† 76. “PW Vul: A Dust Poor DQ Her?” R.D. Gehrz, T. Harrison, E.P. Ney, K. Matthews, G. Neugebauer, J. Elias, G.L. Grasdalen and J.A. Hackwell, 1988, Ap.J., 329, 894.

† 77. “The Infrared Temporal Development of Classical Novae,” R. D. Gehrz, 1988, Ann. Rev. A. & A., 26, 377.

† 78. “A Survey of IRAS Data on 41 Classical Novae,” R. D. Gehrz and T. Harrison, 1988, A.J., 96, 1001.

† 79. “Radio Images of the Expanding Ejecta of Nova QU Vulpeculae 1984,” A. R. Taylor, R. M. Hjellming, E. R. Seaquist, and R. D. Gehrz, 1988, Nature, 335, 705.

† 80. “Supernova 1987a: Casting Light on the Ejecta,” R.D. Gehrz, 1988, Nature, 333, 705.

† 81. “High Resolution H and K Mapping of W51,” S.J. Little, C. Gullixson, R.D. Dietz, J.A. Hackwell, R.D. Gehrz and G.L. Grasdalen, 1989, A.J., 97, 1716.

† 82. “Infrared Photometry and Spectroscopy of Comet P/Encke 1987,” R.D. Gehrz, E.P. Ney, J. Piscitelli, E. Rosenthal and A.T. Tokunaga, 1989, Icarus, 80, 280.

† 83. “Infrared Imaging and Polarimetry of M82: Evidence for a Ring of Warm Dust,” 1989, R.D. Dietz, R.D. Gehrz, T.J. Jones, G.L. Grasdalen, J. Smith, C. Gullixson, and J.A. Hackwell, A.J., 98, 1260.

† ‡84. “Astronomy, Infrared,” R.D. Gehrz, G.L. Grasdalen and J.A. Hackwell 1989, in *The Encyclopedia of Astronomy and Astrophysics*, ed. R.W. Meyers (Academic Press: San Diego), pp. 1-28. (This article was originally published in *The Encyclopedia of Physical Science and Technology*.)

‡85. “Sources of Stardust in the Galaxy,” R.D. Gehrz, 1989, in *Interstellar Dust*, IAU Symposium #135, eds. L. Allamandola and A.G.G.M. Tielens (Reidel: Dordrecht), p. 445.

‡86. “New Infrared Results for Classical Novae,” R. D. Gehrz, 1990, in *Physics of Classical Novae*, eds. A. Cassatella and R. Viotti, Springer-Verlag: Berlin, p. 138.

† 87. “The Infrared Coronal Lines of Recent Novae,” M. A. Greenhouse, J. Benson, G. L. Grasdalen, C. E. Woodward, R. D. Gehrz, A. Tokunaga, E. Rosenthal, M. F. Skrutskie, T. J. Jones and T. L. Hayward, 1990, Ap. J., 352, 307.

† 88. “The Infrared Spectrum of Comet Bradfield (1987s) and the Silicate Emission Feature,” M. S. Hanner, R. L. Newburn, R. D. Gehrz, T. Harrison, E. P. Ney, and T. L. Hayward, 1990, Ap.J., 348, 312.

† 89. “Near-Infrared Polarimetry and Mapping of Arp 299 (IC 694/NGC 3690),” T.J. Jones and R.D. Gehrz, and J. R. Smith 1990, A.J., 99, 1470.

† 90. “Photometry of Masing and Non-masing OH/IR Stars,” G. Lawrence, T.J. Jones and R.D. Gehrz, 1990, A.J., 99, 1232.

† 91. “Infrared Polarimetry of Radio Luminous OH/IR Stars,” T.J. Jones and R.D. Gehrz, 1990, A.J., 100, 274.

† 92. “An Infrared Study of Orion Molecular Cloud-2 (OMC-2),” J.J. Johnson, R.D. Gehrz, T.J. Jones, J.A. Hackwell and G.L. Grasdalen, 1990, A.J., 100, 518.

† 93. “Confirmation of Dust Condensation in the Ejecta of Supernova 1987a,” R.D. Gehrz and E.P. Ney, 1990, Proc. Nat. Acad. Sci. (USA), 97, 4354.

† 94. "Photometry of Variable AFGL Sources," T. J. Jones, C. O. Bryja, R. D. Gehrz, T. E. Harrison, J. Johnson, D. Klebe, and G. F. Lawrence, 1990, Ap. J. Suppl., 74, 785.

† 95. "Starlight Morphology of the Interacting Galaxy NGC5195," J. R. Smith, R. D. Gehrz, G. L. Grasdalen, J. A. Hackwell, R. D. Dietz, and S.D. Friedman, 1990, Ap. J., 362, 455.

† 96. "IRAS Observations of Classical Novae II. Modeling the Detections," T. E. Harrison and R. D. Gehrz, 1991, A. J., 101, 587.

† ‡97. "Astrophysical Dust Grains in Stars, the Interstellar Medium and the Solar System," R. D. Gehrz, 1991, in *Planetary Sciences*, eds. T.M. Donahue, K.K. Trivers and D.M. Abramson (National Academy Press: Washington, D.C.), p. 126.

† ‡98. "Recent Advances in Infrared and Millimeter Astronomy," R.D. Gehrz and H.A. Thronson, Jr., 1991, in *The Encyclopedia of Physical Science and Technology Yearbook* (Academic Press, Inc.: San Diego), p. 321.

† ‡99. "Infrared Astronomy," R.D. Gehrz, G.L. Grasdalen and J.A. Hackwell, 1992, The *Encyclopedia of Physical Science and Technology*, Vol. 2, 125.

† ‡100. "Infrared and Millimeter Astronomy," R.D. Gehrz and H.A. Thronson, Jr., 1992, in *The Encyclopedia of Physical Science and Technology*, Vol. 8, p. 91.

101. "IRC+10420: A Cool Hypergiant Near the Top of the HR Diagram," T.J. Jones, R.M. Humphreys, R.D. Gehrz and G. Lawrence, 1992, in *Massive Stars: Their Lives and the Interstellar Medium*, eds. J.P. Cassinelli and E.B. Churchwell (ASP: San Francisco), p. 272.

† 102. "IRAS Observations of Novae III: Related Objects," T. E. Harrison and R. D. Gehrz, 1992, A. J., 103, 243.

† 103. "The Peculiar, Fast Nova Herculis 1991," C.E. Woodward, R.D. Gehrz, T.J. Jones and G.F. Lawrence, 1992, Ap.J. (Letters), 384, L41.

† 104. "The Peculiar Infrared Temporal Development of Nova Vulpeculae 1987 (QV Vul)," R.D. Gehrz, T.J. Jones, C.E. Woodward, M.A. Greenhouse, R.M. Wagner, T.E. Harrison, T.L. Hayward and J. Benson, 1992, Ap.J., 400, 671.

† 105. "Observations of the 2.2 : m Emission from the Halo of NGC 4244 at Large Galacto-centric Distances," J.W. Bergstrom, R.D. Gehrz and T.J .Jones, 1992, Pub.A.S.P., 104, 695.

† 106. "0.7 to 23 μm Photometric Measurements of P/Halley 1986 III and Six Recent Bright Comets," R.D. Gehrz and E.P. Ney, 1992, Icarus, 100, 162.

† 107. "Another Neon Nova: Early Infrared Photometry and Spectroscopy of Nova Cygni 1992," T.L. Hayward, R.D. Gehrz, J.W. Miles and J.R. Houck, 1992, Ap.J. (Letters), 401, L101.

† 108. "IRC+10420: A Cool Hypergiant Near the Top of the HR Diagram," T.J. Jones, R.M. Humphreys, R.D. Gehrz, G.F. Lawrence, F.-J. Zickgraf, H. Mosely, S. Casey, W.J. Glaccum, C.J. Koch, R. Pina, B. Jones, K. Venn, O. Stahl, and S.G. Starrfield, 1993, Ap.J., 411, 323.

† 109. "The Infrared Temporal Evolution of FG Sagittae," C.E. Woodward, G.F. Lawrence, R.D. Gehrz, T.J. Jones, H.A. Kobulnicky, J. Cole, T. Hodge, and H. A. Thronson, Jr., 1993, Ap.J. (Letters), 408, L37.

‡110. "Recent Infrared Observations of Novae in Outburst," R.D. Gehrz, 1993, Annals of the Israel Physical Society, 10, 100.

† 111. "Thermal-Infrared High-Resolution Imaging of Comet Austin," M. N. Fomenkova, B. Jones, R. K. Pina, R. C. Puetter, L. A. McFadden, F. Abney, and R. D. Gehrz, 1993, Icarus, 106, 489.

† ‡112. "Classical Novae: Contributions to the Interstellar Medium," R.D. Gehrz, J.W. Truran and R.E. Williams, 1993, in *Protostars and Planets III*, eds. E. H. Levy and J. I. Lunine, (University of Arizona Press: Tucson), p. 75.

† 113. The Temporal Evolution of the 4 μm to 14 μm Spectrum of V1974 Cygni (Nova Cygni 1992), 1993, R. D. Gehrz, C. E. Woodward, M. A. Greenhouse, S. Starrfield, D. H. Wooden, F. C. Witteborn, S. A. Sandford, L. J. Allamandola, J. D. Bregman, and M. Klapisch, 1994, Ap.J., 421, 762.

† 114. "OH/IR Stars Near the Galactic Center: Pulsation Periods, Luminosities and Polarimetry," T.J. Jones, P.J. McGregor, R.D. Gehrz and G.F. Lawrence, 1994, A.J., 107, 1111.

† 115. "A Near Infrared Survey of the OMC2 Region," T.J. Jones, J. Mergen, S. Odewahn, R.D. Gehrz, I. Gatley, K.M. Merrill, R. Probst and C.E. Woodward, 1994, A.J., 107, 2120.

† 116. "Infrared Photometry and Polarimetry of Cygnus X-3," T.J. Jones, R.D. Gehrz, H.A. Kobulnicky, L.A. Molnar and E.M. Howard, 1994, A.J., 108, 605.

† 117. "IRAS Observations of Novae IV: Modeling Source Confusion," T. E. Harrison and R.D. Gehrz, 1994, A. J., 108, 1899.

† 118. "RY Scuti: Infrared and Radio Observations of the Equatorial Mass-loss Wind of a Massive Contact Binary Star System," R.D. Gehrz, T. L Hayward, J. R. Houck, J.W. Miles, R. M. Hjellming, T. J. Jones, C. E. Woodward, R. Prentice, W. J. Forrest, S. Libonate, and S. Solomon, 1995, Ap. J., 439, 417.

† 119. "The Temporal Evolution of the 1 to 5 Micron Spectrum of V1974 Cygni (Nova Cygni 1992)," C. E. Woodward, M. A. Greenhouse, R. D. Gehrz, Y.J. Pendelton, R.R. Joyce, D. Van Buren, J. Fischer, N.J. Jennerjohn and C.D. Kaminski, 1995, Ap. J., 438, 921.

† 120. "Infrared Observations of an Outburst of Small Dust Grains from the Nucleus of Comet P/Halley 1986 III at Perihelion," R. D. Gehrz, C. H. Johnson, S. D. Magnuson, and E. P. Ney, 1995, Icarus, 113,129.

‡121. "Infrared Observations of Classical Novae: Physical Parameters and Contributions to the Interstellar Medium," R. D. Gehrz, 1995, in *Proceedings of the Padua (Abano-Terme) Conference on Cataclysmic Variables*, eds. A. Bianchini, M. Della Valle, and M. Orio, Kluwer: Dordrecht, p. 29.

† 122. "The Neon Nova III. The Infrared Light Curves of Nova QU Vulpeculae (Nova Vul 1984 #2)," R.D. Gehrz, T.J. Jones, K. Matthews, G. Neugebauer, C.E. Woodward, T.L. Hayward and M.A. Greenhouse, 1995, A.J., 110, 325.

† 123. "Mid-Infrared Observations of the Nucleus and Dust of Comet P/Swift-Tuttle," M.N. Fomenkova, B. Jones, R. Pina, R. Puetter, J. Sarmecanic, T.J. Jones and R.D. Gehrz, 1995, A.J.,110, 1866.

† 124. "The Infrared Spectrum of the Optically Thin Dust Shell of V705 Cassiopeiae (Nova Cassiopeiae 1993)," R. D. Gehrz, M. A. Greenhouse, T. L. Hayward, J. R. Houck, C. G. Mason, and C. E. Woodward, 1995, Ap. J. (Letters), 448, L119.

† 125. "Infrared Observations of Dust Formation and Coronal Emission in Nova Aquilae 1995," C. G. Mason, R. D. Gehrz, C. E. Woodward, J. B. Smilowitz, M. A. Greenhouse, T. L. Hayward, and J. R. Houck, 1996, Ap. J., 470, 577.

† 126. "The Mid-Infrared Evolution of Nova V1974 Cygni," T. L. Hayward, P. Saizar, R. D. Gehrz, R. A. Benjamin, C. G. Mason, J. R. Houck, J. W. Miles, G. E. Gull, and J. Schoenwald, 1996, Ap. J., 469, 854.

† 127. "Ground-Based Near-Infrared Imaging of Comet P/Halley 1986 III I. Dust in the Inner Coma," C.E. Woodward, M. Shure, W. J. Forrest, T. J. Jones, R. D. Gehrz, T. Nagata, and A. T. Tokunaga, 1996, Icarus, 124, 651.

128. "Near-Infrared Spectral Images from WIRO Using the U. Rochester Array of Jupiter During the Comet Shoemaker-Levy 9 Impact Interval," B. Fisher, J.L. Pipher, W.J. Forrest, E. Howard, C.E. Woodward, R. Howell and R.D. Gehrz, 1997, in Proceedings IAU Symposium #156, in press.

† ‡129. "Ground-based Observations at Non-optical Wavelengths: Infrared Observations," R. D. Gehrz, 1997, in *The International Comet Quarterly Guide to Observing Comets*, ed. D. W. E. Green, Smithsonian Astrophysical Observatory: Cambridge, p.117.

† ‡130. "Infrared Observations of Comets," R. D. Gehrz, 1997, Int. Comet Quart., 19, 55.

† 131. "The Temporal Evolution of the Near-Infrared Light Curves of V1974 Cygni (Nova Cygni 1992)" C. E. Woodward, R. D. Gehrz, T. J. Jones, G. F. Lawrence, M. Meyer, and M. F. Skrutskie, 1997, Ap. J., 477, 817.

† ‡132. "Dust Formation and Nucleosynthesis in the Nova Outburst," S. G. Starrfield, J. W. Truran, and R. D. Gehrz, 1997, in "Astrophysical Implications of the Laboratory Study of Presolar Materials," eds. T. J. Bernatowicz and E. Zinner, New York: American Institute of Physics: New York, 203.

† 133. "Measurement of Submicron Grains in the Coma of Comet Hale-Bopp C/1995 01 during 1997 February 15--20 UT,"D. M. Williams, C. G Mason, R. D. Gehrz, T. J. Jones, C. E. Woodward, D. E. Harker, M. S. Hanner, D. H. Wooden, F. C. Witteborn, F. C., and H. M. Butner, 1997, Ap. J. (Letters), 489, 91.

† 134. "HST and Infrared Images of the Circumstellar Environment of the Cool Hypergiant Irc+10420," R. M. Humphreys, N. Smith, K. Davidson, T. J. Jones, R. D. Gehrz, C. G. Mason, T. L. Hayward, J. R. Houck, J. Krautter, 1997, A. J. 114, 2778.

† ‡135. "Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium," R.D. Gehrz, J.W. Truran, R.E. Williams, and S. G. Starrfield, 1998, P.A.S.P., 110, 3.

† 136. "Near Infrared Images Resolving the Extended Shell of the Old Nova QU Vul/1984#2," J-.Y. Shin, R. D. Gehrz, J. Krautter, T. J. Jones, and R. M. Hjellming, 1998, A. J., 116, 1966.

‡137. "IR Phenomena in Classical Novae: Quantitative Analysis of Parameters Describing the Outburst and Determination of Abundances in the Ejecta," R. D. Gehrz 1998, in "Wild Stars in the Old West: Proceedings of the 13th North American Workshop on Cataclysmic Variables and Related Objects, eds. S. Howell, E. Kuulkers, and C. Woodward, Provo: PASP, p. 146.

† 138. "The Infrared Development of V705 Cassiopeiae," C. G. Mason, R. D. Gehrz, C. E. Woodward, J. B. Smilowitz, T. L. Hayward, and J. R. Houck, 1998, Ap. J., 494, 783.

139. "PHOT and SWS Spectra of Classical Novae in Outburst," R.D. Gehrz, A. Salama and C.E. Woodward, 1998, in Proceeding of the First ISO Workshop on Analytical Spectroscopy, ed. M. F. Kessler, Noordwijk: ESA Publications, 173.

† 140. "Proper Motions in Eta Carinae Using a Half-Century Temporal Baseline," N. Smith and R. D. Gehrz, 1998 A. J., 116, 823.

† 141. "Variations in the 10 :m Silicate Emission Feature of Comet Hyakutake 1995," C. G. Mason, R. D. Gehrz, D. M. Williams, and C. E. Woodward, 1998, Ap. J., 507, 398.

† 142. " The Infrared Morphology of Eta Carinae," N. Smith, R. D. Gehrz, and J. Krautter, 1998, A. J., 116, 1332

†‡ 143. "Thermal Emission from the Dust Coma of Comet Hale-Bopp and the Composition of the Silicate Grains," M. S. Hanner, R. D. Gehrz, D. E. Harker, T. L. Hayward, D. K. Lynch, C. G. Mason, R. W. Russell, D. M. Williams, D. H. Wooden, and C. E. Woodward, 1997, in "Proceedings of the First International Conference on Comet Hale-Bopp, Vol. I," eds. M. S. A'Hearn, H. Boehnhardt, M. Kidger, and R. M. West, Earth, Moon, and Planets, 79, 247.

† 144. "The Infrared Spectral Energy Distribution and Polarization of Comet C/1995 O1 (Hale-Bopp) During 1997," C. E. Woodward, R. D. Gehrz, C. G. Mason, T. J. Jones, and D. M. Williams, 2000, in "Proceedings of the First International Conference on Comet Hale-Bopp, Vol. II," eds. M. S. A'Hearn, H. Boehnhardt, M. Kidger, and R. M. West, Earth, Moon, and Planets 81, 217.

† 145. "Infrared Imaging Polarimetry of Comet C/1995 O1 (Hale-Bopp), T. J. Jones, and R. D. Gehrz, 2000, Icarus, 143, 338.

†‡ 146. "Infrared Studies of Classical Novae and their Contributions to the ISM," R. D. Gehrz, 1999, in "Processes in Astrophysical Fluids," eds. O. Regev and D. Prialnik, Physics Reports, 311, 405.

† 147. "Thermal Infrared Images of the Remarkable Young Nearby Multiple Star HD 98800," R. D. Gehrz, N. Smith, F. J. Low, J. Krautter, J. G. Nollenberg, and T. J. Jones, 1999, Ap. J. (letters), 512, L55.

† 148. "HST Images of the Compact Nebula Around RY Scuti," N. Smith, R. D. Gehrz, K. Davidson, R. M. Humphreys, T. J. Jones, and J. Krautter 1999, A. J. 118, 960.

‡ 149. "Ground-Based Proper Motion of the Expanding Homunculus Using a Half-century Temporal Baseline," N. Smith and R. D. Gehrz 1999, in "Eta Carinae at the Millennium," eds. J. A. Morse, R. M. Humphreys, and A. Daminelli, ASP: San Fransico, p.63.

‡ 150. "Infrared Imaging and Polarimetry of the Eta Carina and the Homunculus Nebula," R. D. Gehrz, N. Smith, and J. Krautter, 1999, in "Eta Carinae at the Millennium," eds. J. A. Morse, R. M. Humphreys, and A. Daminelli, ASP: San Fransico, p.20.

151. " Structure and Kinematics of the Equatorial Ejecta," N. Smith, R. D. Gehrz, and J. Krautter 1999, in "Eta Carinae at the Millennium," eds. J. A. Morse, R. M. Humphreys, and A. Daminelli, ASP: San Fransico, p.31.

152. "The Variability of Eta Carinae and the Homunculus Nebula at Thermal Infrared Wavelengths," R. D. Gehrz and N. Smith, 1999, in "Eta Carinae at the Millennium," eds. J. A. Morse, R. M. Humphreys, and A. Daminelli, ASP: San Fransico, p.251.

153. "ISO Observations of V723 Cas and Other Classical Novae in Outburst," A. Salama, R. Gehrz, A. Evans, C. E. Woodward, and M. Barlow" 1999, in "The Universe as Seen by ISO," ESA Publications, SP-427, Vol. 1, p.233.

† 154. "Recent Changes in the Near-Infrared Structure of Eta Carinae," N. Smith and R. D. Gehrz, 2000, Ap. J. (Letters), 529, L99.

† 155. "Observations of Unusually Small Dust Grains in the Coma of Comet Hale-Bopp C/1995 O1," C. G. Mason, R. D. Gehrz, D. M. Williams, T. J. Jones, and C. E. Woodward, 2001, Ap. J., 549, 635.

† 156. "The Asymmetric Nebula Surrounding the Extreme Red Supergiant VY Canis Majoris," N. Smith, R. M. Humphreys, K. Davidson, R. D. Gehrz, and M. T. Schuster, 2001, AJ, 121, 1111.

† 157. "Thermal Infrared Imaging of the Bipolar H II Region S106," N. Smith, T. J. Jones, R. D. Gehrz, D. Klebe, and M. J. Creech-Eackman, 2001, AJ, 121, 984.

158. "Infrared Photometry and Imaging of P. Cygni," N. Smith, R. D. Gehrz, and G. F. Lawrence, 2001, in "P Cygni 2000: 400 years of Progress," eds M. de Groot and C. Sterken, ASP Conference Proceedings, ASP:San Fransisco, Vol. 233, p. 55.

† 159. "Keck LWS Images of the Compact Nebula around RY Scuti in the Thermal Infrared," R. D. Gehrz, N. Smith, B. Jones, R. Puetter, and A. Yahil, 2001, Ap. J., 559, 395.

† 160. "ISO Observations of V1425 Aquilae," J. E. Lyke, R. D. Gehrz, C. E. Woodward, M. J. Barlow, A. N. Evans, A. Salama, S. G. Starrfield, G. J. Schwarz, R. Gonzales-Riestra, M. A. Greenhouse, T. J. Jones, J. Krautter, M. Orio, H. B. Ögelman, D. Péquinot, S. N. Shore, M. R. Wagner, and R. E. Williams, 2001, A. J., 122, 3305.

† 161. "Proper Motion and Excitation Structure of the Expanding Ionized Rings Around RY Scuti," N. Smith, R. D. Gehrz, and M. Goss, 2001, A. J., 122, 2700.

† 162. "Post-Eruption Detection of Variable 12 in NGC 2403 (SN 1954j): Another Eta Carinae Variable," N. Smith, R. M. Humphreys, and R. D. Gehrz, 2001, P.A.S.P., 113, 692.

† 163. "A Disrupted Circumstellar Torus inside Eta Carinae's Homunculus Nebula," Nathan Smith, Robert D. Gehrz, Phillip M. Hinz, William F. Hoffmann, Eric E. Mamajek, Michael R, Meyer, Michael R., and Joseph L. Hora, 2002, ApJ, 567, L77.

† 164. "Hubble Space Telescope NICMOS Observations of Classical Nova Shells," Joachim Krautter, Charles E. Woodward, Robert D. Gehrz, Terry J. Jones, Michael T. Shuster, Kunegunda Belle, A. E. Evans, Steward Eyers, Sumner G. Starrfield, James Truran, and Matthew A. Greenhouse, 2002, AJ, 124, 2888.

† 165. "The WR+OB Progenitor RY Scuti: Intensive Spectroscopy of its Compact Double-Ring Nebula," Nathan Smith, Robert D. Gehrz, Otmar Stahl, Bruce Balick, and Andreas Kauffer, 2002, ApJ, 578, 464.

166. "The Massive Contact Binary RY Scuti: A WR+OB Progenitor and its Compact Nebula," Nathan Smith and Robert D. Gehrz, 2002, in "Exotic Stars as Challenges to Evolution (IAU Colloquium 187)," eds by Christopher A. Tout and Walter Van Hamme, ASP Conference Proceedings, Vol. 279, Astronomical Society of the Pacific:San Francisco, p.325

‡ 167. "Infrared and Radio Observations of Classical Novae: Physical Parameters and Abundances in the Ejecta," R. D. Gehrz, 2002, in "Classical Nova Explosions: International Conference on Classical Nova Explosions, Sitges, Spain," eds. M. Hernanz and J. Jose, AIP: Melville, New York, AIP Conference Proceedings, Vol. 637, p. 198.

† 168. "The Extraordinary X-Ray Light Curve of the Classical Nova V1494 Aquilae (1999 No. 2) in Outburst: The Discovery of Pulsations and a "Burst," Drake, J. J., Wagner, R. M., S. Starrfield, Y. Butt, J. Krautter, H. E. Bond, M. Della Valle, R. D. Gehrz, C. E. Woodward, A. Evans, M. Orio, P. Hauschildt, M. Hernanz, K. Mukai, and J. W. Truran, 2003, Ap. J., 584, 448.

† 169. "Mass and Kinetic Energy of the Homunculus Nebula around η Carinae," N. Smith, R. D. Gehrz, P. M. Hinz, W. F. Hoffmann, J. L. Hora, E. E. Mamajek, and M. R. Meyer, 2003, AJ, 125, 1458.

† 170. "The Early Ultraviolet Evolution of the ONeMg Nova V382 Velorum 1999," S. N. Shore, G. Schwarz, H. E. Bond, R. A. Downs, S. Starrfield, A. N. Evans, R. D. Gehrz, P. Hauschildt, J. Krautter, and C. E. Woodward, 2003, AJ, 125, 1507.

171. "Charter and Activities of the SIRTF In-Orbit Checkout Focus Integrated Products Team and Optical Performance of the CTA," Robert D. Gehrz and Edward A. Romana, 2003, in "IR Space Telescopes and Instruments," ed. J. C. Mather, Proceedings of the SPIE, 4850, 62.

† 172. "Abundance Anomalies in CP Crucis (Nova Crux 1996)," J. E. Lyke, X. P. Koenig, M. J. Barlow, R. D. Gehrz, C. E. Woodward, S. Starrfield, D. Pequinot, G. J. Schwarz, A. Evans, A. Salama, S. N. Shore, R. Gonzales-Riestra, M. A. Greenhouse, R. M. Hjellming, T. J. Jones, J. Krautter, H. B. Ogelman, R. M. Wagner, S. L. Lumsden, and R. E. Williams," 2003, AJ, 126, 993.

† 173. "Infrared Space Observatory and Ground-based Infrared Observations of the Classical Nova V723 Cas," A. Evans, R. D. Gehrz, T. R. Geballe, C. E. Woodward, J. Krautter, A. Salama, R. Antolin Sanchez, S. G. Starrfield, M. Barlow, J. E. Lyke, T. L. Hayward, S. P. S. Eyres, M. A. Greenhouse, R. Hjellming, S. N. Shore, R. M. Wagner, and D. Pequinot, 2003, AJ, 126, 1981.

† 174. "A Chandra Low Energy Transmission Grating Spectrometer Observation of V4743 Sagittarii: A Supersoft X-Ray Source and a Violently Variable Light Curve," J.-U. Ness, S. Starrfield, V. Burwitz, R. Wichmann, P. Hauschildt, J. J. Drake, R. M. Wagner, H. E. Bond, J. Krautter, M. Orio, M. Hernanz, R. D. Gehrz, C. E. Woodward, Y. Butt, K. Mukai, S, Balman, and J. W. Truran, 2003, ApJ (Letters), 594, L127.

175. "A Gallery of Cool Hypergiants: Imaging their Circumstellar Environments," M. T. Schuster, R. M. Humphreys, N. Smith, K. Davidson, and R. D. Gehrz, 2003, in "A Massive Star Odyssey: From Main Sequence to Supernova" , eds K. van der Hucht, A. Herrero, and E. César, San Francisco: Astronomical Society of the Pacific, p 228.

† 176. "A Photo-Ionization Induced Rapid Grain Growth in Novae," S. N. Shore and R. D. Gehrz, 2004, A&A, 417, 695.

† 177. "Kinematics and Ultraviolet to Infrared Morphology of the Inner Homunculus of Eta Carinae," N. Smith, J. A. Morse, T. R. Gull, D. J. Hillier, R. D. Gehrz, N. R. Walborn, M. Bautista, N. R. Collins, M. F. Corcoran, A. Damineli, F. Hamann, H. Hartman, S. Johansson, O. Stahl, and K.Weis, 2004, ApJ, 605, 405.

‡ 178. "Asymmetric Dusty Winds and Shells Around Pre- and Post-cursors of Planetary Nebulae," R. D. Gehrz, 2004, in "Asymmetric Planetary Nebulae III," eds. M. Meixner, J. H. Kastner, B. Balick, and N. Soker, ASP Conference Series, Vol. 313, p. 327.

‡ 179. "Axisymmetric Winds of Luminous Stellar Systems," R. D. Gehrz, 2004, in "Asymmetric Planetary Nebulae III," eds. M. Meixner, J. H. Kastner, B. Balick, and N. Soker, ASP Conference Series, Vol. 313, p. 551.

† 180. "Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS)," D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, O. Krause, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, J. Muzerolle, J. A. Stansberry, K. Y. L. Su, J. E. Morrison, E. T. Young, A. Norriega-Crespo, D. E. Padgett, R. D. Gehrz, E. Polomski, J. W. Beeman, and E. E. Haller, 2004, ApJS, 154, 290.

† 181. "The *Spitzer* Space Telescope Mission," M.W. Werner, T. L. Roellig, F. J. Low, G. H Rieke, M. Rieke, W. F. Hoffmann, E. Young, J. R. Houck, B. Brandl, G. G. Fazio, J. L. Hora, R. D. Gehrz, G. Helou, B. T. Soifer, J. Stauffer, J. Keene, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. R. Lawrence, L. Simmons, J. E. Van Cleve, E. L. Wright, M. Jura, and D. P. Cruikshank, 2004, ApJS, 154, 1.

† 182. "Energy Sources of the Far Infrared Emission of M33," J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D.C. Hines, R. D. Gehrz, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, and E. E. Haller, 2004, ApJS, 154, 259.

183. "The State of the Focus and Image Quality of the SIRTF Telescope as Measured in Orbit," R. D. Gehrz, E. A. Romana, W. F. Hoffmann, J. P. Schwenker, J. E. Mentzelle, J. L. Hora, Peter R. Eisenhardt, B. R. Brandl, L. Armus, K. R. Stapelfeldt, D. C. Hines, A. K. Mainzer, E. T. Young, and D. G. Elliott, 2004, in "Optical, Infrared, and Millimeter Space Telescopes," ed. J. C. Mather, Proceedings of the SPIE, 5487, 166.

† 184. "Bipolar symbiotic planetary nebulae in the thermal-IR: M 2-9, Mz 3, and He 2-104," N. Smith and R. D. Gehrz, 2005, AJ, 129, 969.

† 185. "*Spitzer* IRAC Observations of Star Formation in N159 in the LMC," T. J. Jones, C. E. Woodward, M. L. Boyer, R. D. Gehrz, and E. Polomski, 2005, ApJ, 620, 731.

† 186. "The Development of a Steady-State, AGB-Type, Circumstellar Wind in the "Born Again" Star FG Sagittae" , R. D. Gehrz, C. E. Woodward, T. Temim, J. E. Lyke, and C. G. Mason, 2005, ApJ, 623, 1105.

† 187. "Kinematic Structure of H2 and [Fe ii] in the Bipolar Planetary Nebula M 2-9" , N. Smith, B. Balick, and R. D. Gehrz, 2005, AJ, 130, 853.

† 188. "The Infrared Activity of Comet P/Halley 1986III at Heliocentric Distances from 0.6 to 3.0 AU," R. D. Gehrz, M. S. Hanner, A. Homich, and A. T. Tokunaga, 2005, AJ, 130, 2383.

† 189. "Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 #2)," D. K. Lynch, C. E. Woodward, T. R. Geballe, R. W. Russell, R. J. Rudy, C. C. Venturini, G. J. Schwarz, R. D. Gehrz, N. Smith, J. E. Lyke, S. J. Bus, M. L. Sitko, T. E. Harrison, S. Fishe, S. P. S. Eyre, A. Evans, S. N. Shore, S. Starrfield, M. F. Bode, M. A. Greenhouse, P. H. Hauschildt, J. W. Truran, R. E. Williams, R. Brad Perry, R. Zamanov, T. J. O'Brien, 2006, Ap. J., 638, 987.

† 190. “Radio-Detected Objects in M33 Using Ultraviolet, Optical, Near-Infrared, *Spitzer* Mid-Infrared, and Radio Data”. B. A Buckalew, H. A. Kobulnicky, J. M. Darnel, E. Polomski, R. D. Gehrz, C. E. Woodward, R. M. Humphreys, J. L. Hinz, C. W. Engelbracht, K. D. Gordon, K. Misselt, P. G. Perez-Gonzalez, G. H. Rieke, S. Willner, M. Ashby, P. Barmby, G. Fazio, M. Pahre, J. Th. Van Loon, T. L. Roellig, B. Brandl, and N. Devereaux, 2006, Ap. J. Suppl., 162, 329.

† 191. “M33's Variable A - A Hypergiant Star More than 35 Years in Eruption,” R. M. Humphreys, T. J. Jones, E. Polomski, M. Koppelman, A. Helton, K. McQuinn, R. D. Gehrz, C. E. Woodward, R. M. Wagner, K. Gordon, J. Hinz, and S. P. Willner, 2006, AJ, 131, 2105.

† ‡ 192. “Infrared Observations of Comets with the *Spitzer* Space Telescope,” R. D. Gehrz, W. T. Reach, C. E. Woodward, and M. S. Kelley, 2006, AdSpR, 38, 2031.

† 193. “The First 8-13 :m Spectra of Globular Cluster Red Giants: Circumstellar Silicate Dust Grains in 47 Tucanae (NGC 104),” J. Th. Van Loon, I. McDonald, J. M. Oliveira, A. Evans, M. L. Boyer, R. D. Gehrz, E. Polomski, and C. E. Woodward, 2006, A & A, 450, 339.

† 194. “The *Spitzer* IRS View of V4334 Sgr (Sakurai's Object),” A. Evans, V. H. Tyne, J. Th. van Loon, B. Smalley, T. R. Geballe, R. D. Gehrz, C. E. Woodward, A. A. Zijlstra, E. Polomski, M. T. Rushton, S. P. S. Eyres, S. G. Starrfield, J. Krautter, and R. M. Wagner, 2006, MNRAS, 373, L75.

† 195. “*Spitzer* Space Telescope Infrared Imaging and Spectroscopy of the Crab Nebula,” T. Temim, R. D. Gehrz, C. E. Woodward, T. L. Roellig, N. Smith, L. R. Rudnick, E. F. Polomski, K. Davidson, L. Yuen, and T. Onaka, 2006, AJ, 132, 1610; Erratum 2009, AJ, 137, 5155.

‡ 196. “Infrared Studies of Classical Novae and their Contributions to the ISM,” R. D. Gehrz, 2008, in “Classical Novae,” eds. M. F. Bode and A. Evans, Cambridge Univaersity Press: Cambridge UK, 167.

‡ 197. “Infrared Astronomy with NASA’s New *Spitzer* Space Telescope,” R. D. Gehrz, 2006, Proceedings of the SPIE, 6205, 62050D-1.

† ‡ 198. “The NASA *Spitzer* Space Telescope,” R. D. Gehrz, T. L Roellig, G. G. Fazio, J. R. Houck, F. J. Low, G. H. Rieke, B. T. Soifer, M. W. Werner, E. A. Romana, D. A Levine et al., 2007, Rev. Sci. Instrum., 78, 011302 (a1302).

† 199. “The Infrared Luminosity-Metallicity Relation,” H. Lee, E. D. Skillman, J. M. Cannon, D. C. Jackson, R. D. Gehrz, C. E. Woodward, and E. Polomski, 2006, ApJ, 647, 970.

200. "A *Spitzer*/IRAC Census of the Asymptotic Giant Branch Populations in the Local Group Dwarf WLM," D. C. Jackson, E. D. Skillman, R. D. Gehrz, E. Polomski, and C. E. Woodward, 2007, ASPC, 378, 427.

201. "*Spitzer* 4.5 μm Luminosity-Metallicity and Mass-Metallicity Relations for Nearby Dwarf Irregular Galaxies," H. Lee, E. D. Skillman, J. M. Cannon, D. C. Jackson, R. D. Gehrz, E. Polomski, and C. E. Woodward, 2007, in " Groups of Galaxies in the Nearby Universe: Proceedings of the ESO Workshop held at Santiago de Chile, 5-9 December 2005," eds. I.. Saviane, V.D. Ivanov, and J. Borissova, Springer-Verlag: Berlin, p. 181.

† 202. "Mapping and Mass Measurement of the Cold Dust in NGC 205 with *Spitzer*," F. R. Marleau, A. Norriega-Crespo, K. A. Misselt, K. D. Gordon, C. W. Engelbracht, G. H. Rieke, P. Barmby, S. P. Willner, J. Mould, R. D. Gehrz, and C. E. Woodward, 2006, ApJ., 646, 929.

† 203. "Hot Dust and PAH Emission at Low Metallicity: A *Spitzer* Survey of Local Group Dwarf Galaxies," D. C. Jackson, J. M. Cannon, E. D. Skillman, H. Lee, R. D. Gehrz, C. E. Woodward, and E. Polomski, 2006, ApJ., 646, 192.

† 204. "*Spitzer* Far-Infrared Detections of Cold Circumstellar Disks," Paul Smith, D. C. Hines, F. J. Low, R. D. Gehrz, E. Polomski, and C. E. Woodward, 2006, ApJL., 644, L125.

† 205. "Mass-Loss and the Intra-cluster Medium in M15: A *Spitzer* Detection of Dust in the Intra-cluster Medium," M. L. Boyer, C. E. Woodward, J. Th. Van Loon, A. Evans, K. Gordon, R. D. Gehrz, L. A. Helton, and E. Polomski, 2006, ApJ., 132, 1415.

† 206. "Dusty Waves on a Starry Sea: the Mid-Infrared View of M31,"P. Barmby, M. L. N. Ashby, J. P. Huchra, M. A. Pahre, S. P. Willner, R. D. Gehrz, R. M. Humphreys, E. F. Polomski, C. E. Woodward, C. W. Engelbracht, K. D. Gordon, J. L. Hinz, P.G. Perez-Gonzales, G. H. Rieke, L. Bianchi, and D. H. Thilker, 2006, ApJ., 650, L45; Erratum, 2007, Ap. J., 655, L61.

† 207. "*Spitzer* IRAC Observations of W3," G. T. Ruch, T. J. Jones, C. E. Woodward, E. Polomski, and R. D. Gehrz, 2007, ApJ., 654, 338.

† 208. "Detection of a Bow-Shock-Like Far-IR Nebula Associated with R Hya: the First MIRIAD Results,"T. Ueta, A. K. Speck, R. E. Stencel, A. Zijlstra, F. Herwig, M. Steffen, M. Elitzur, R. Gehrz, H. Izumiura, W. Latter, M. Matsuura, M. Meixner, and R. Szczerba, 2006, ApJ., 648, L39.

† 209. “A *Spitzer* Study of Comets 2P/Encke, 67P/Churyumov-Gerasimanko, and C/2001 HT50 (LINEAR-NEAT),” M. S. Kelly, C. E. Woodward, D. E. Harker, D. H. Wooden, R. D. Gehrz, H. Campins, M. S. Hanner, S. M. Lederer, D. J. Osip, J. Pittichova, and E. Polomski, 2006, ApJ., 651, 1256.

† 210. “Infrared Observations of the 2006 Outburst of the Recurrent Nova RS Ophiuchi: the Early Phase,” A. Evans, T. Kerr, Bin Yang, Y. Matsuoka, Y. Tsuzuki, M. F. Bode, S. P. S. Eyres, T. R. Geballe, C. E. Woodward, R. D. Gehrz, D, K. Lynch, R. J. Rudy, T. J. O'Brien, S. G. Starrfield, J.-U. Ness, R. J. Davies, J. Drake, J. P. Osborn, K. L. Page, A. Adamson, G. Schwarz, and J. Krautter. 2006, MNRAS, 374, L1.

† 211. “Keck Spectroscopy and *Spitzer* Space Telescope Analysis of the Outer Disk of the Triangulum Spiral Galaxy M33,” D. L. Block, I. Puerari, A. Stockton, G. Canalizo, K. C. Freeman, T. H. Jarrett, F. Combes, R. Groess, G. Worthey, R. D. Gehrz, C. E., Woodward, E, Polomski, and G. G. Fazio, 2006, A&A, 471, 467.

† 212. “Detached Shells as Tracers of AGB-ISM Bow Shocks,” C. J. Waring, A. A. Zijlstra, A. K. Speck, T. Ueta, M. Elitzur, R. D. Gehrz, F. Herwig, H. Izumiura, M Matsuura, M. Meixner, R. E. Stencel, and R. Szczerba, 2006, MNRAS, 372, L63.

† ‡ 213. “The Beginning of Modern Infrared Astronomy,” F. J. Low, G. H. Rieke, and R. D. Gehrz, 2007, Ann. Rev. Astron. and Astroph., 45, 43.

† 214. “A *Spitzer* IRAC Census of the Asymptotic Giant Branch Populations in Local Group Dwarfs. I. WLM ,” D. C. Jackson, E. D. Skillman, R. D. Gehrz, E. Polomski, Elisha, and C. E. Woodward 2007, ApJ, 656, 818.

† 215. “A Multi-Scale Study of Infrared and Radio Emission from Scd Galaxy M33,” 2007, F. S. Tabatabaei, R. Beck, M. Krause, E. M. Berkhuijsen, R. Gehrz, K. D. Gordon, J. L. Hinz, R. Humphreys, K. McQuinn, E. Polomski, G. H. Rieke, C. E. Woodward, Astron. and Astropys., 446, 509.

† 216. “A Spectroscopic Study of Mass Outfows in the Interacting Binary RY Scuti,” E. D. Grundstrom, D. R. Gies, T. C. Hillwig, M. V. McSwain, N. Smith, R. D. Gehrz, O. Stahl, and A. Kaufer 2007, ApJ, 667, 505.

† 217. “The M33 Variable Star Population Revealed by *Spitzer*,” K. B. W. McQuinn, C. E. Woodward, S. P. Willner, E. F. Polomski, R. D. Gehrz, R. M. Humphreys, J. Th. van Loon, M. L. N. Ashby, K. Eicher, and G. G. Fazio 2007, ApJ, 664, 850.

† 218. “Water in Comet 2/2003 K4 (LINEAR) with *Spitzer*,” C. E. Woodward, M. S. Michael, D. Bockelée-Morvan, and R. D. Gehrz, 2007, ApJ, 671, 1065.

† 219. “The SSS Phase of RS Ophiuchi Observed with Chandra and XMM-Newton. I. Data and Preliminary Modeling,” J.-U. Ness, S. Starrfield, A. P. Beardmore, M. F. Bode, J. J. Drake, A. Evans, R. D. Gehrz, M. R. Goad, R. Gonzalez-Riestra, P. Hauschildt, P.; J. Krautter, T. J. O'Brien, J. P. Osborne, K. L. Page, R. A. Schönrich, and C. E. Woodward, 2007, ApJ, 665, 1334.

† 220. “The Early Spectrophotometric Evolution of V1186 Scorpii (Nova Scorpii 2004 No. 1),” G. J. Schwarz, C. E. Woodward, M. F. Bode, A. Evans, S. P. Eyres, T. R. Geballe, R. D. Gehrz, M. A.; Greenhouse, L. A Helton, W. Liller, J. E. Lyke, D. K. Lynch, T. J. O'Brien, R. J. Rudy, R. W. Russell, S. N. Shore, S. G. Starrfield, T. Temim, J. W. Truran, C. C. Venturini, R. M. ; Wagner, R. E. Williams, and R. Zamanov, 2007, AJ, 134, 516.

† 221. “*Spitzer* and Ground-based Infrared Observations of the 2006 Eruption of RS Ophiuchi,” A. Evans, C. E. Woodward, L. A. Helton, R. D. Gehrz, D. K. Lynch, R. J. Rudy, R. W. Russell, T. Kerr, M. F. Bode, M. J. Darnley, S. P. S. Eyres, T. R. Geballe, T. J. O'Brien, R. J. Davis, S. Starrfield, J.-U. Ness, J. Drake, J. P. Osborne, K. L. Page, G. Schwarz, and J. Krautter, 2007, ApJ, 663, L29.

† 222. “A *Spitzer* IRAC Census of the Asymptotic Giant Branch Populations in Local Group Dwarfs. II. IC 1613,” D. C. Jackson, E. D. Skillman, R. D. Gehrz, E. Polomski, and C. E. Woodward, 2007, ApJ, 667, 891.

† 223. “Silicate dust in the environment of RS Ophiuchi following the 2006 eruption,” A. Evans, C. E. Woodward, L. A. Helton,J. Th.van Loon, R. K. Barry, M. F. Bode, R. J. Davis, J. J. Drake, S. P. S. Eyres, T. R. Geballe, R. D. Gehrz, T. Kerr, J. Krautter, D. K. Lynch, J. -U. Ness, T. J. O'Brien, J. P. Osborne, K. L. Page, R. J. Rudy, R. Russell, G. Schwarz, S. G. Starrfield, and V. H. Tyne, 2007, ApJL, 671, 157.

† 224. “The Neon Abundance in the Ejecta of QU Vul From Late-Epoch IR Spectra,” R. D. Gehrz, C. E. Woodward, L. A. Helton, E. F. Polomski, T. L. Hayward, J. R. Houck, A. Evans, J. Krautter, S. N. Shore, S. Starrfield, J. Truran, G. J. Schwarz, G. J., and R. M. Wagner, 2008, ApJ, 672, 1167.

† 225. “Infrared and X-Ray Evidence for Circumstellar Grain Destruction by the Blast Wave of Supernova 1987A,” E. Dwek, R. G. Arendt, P. Bouchet, D. N. Burrows, P. Challis, I. J. Danziger, J. M. De Buizer, R. D. Gehrz, R. P. Kishner, R. McCray, S. Park, E. F. Polomski, and C. E. Woodward, 2008, ApJ, 676, 1029-1039.

‡ 226. “Stratospheric Observatory for Infrared Astronomy,” E. E. Becklin, A. G. G. M. Tielens, R. D. Gehrz, and H. H. S. Callis, 2007, Proceedings of the SPIE, 6678, 66780A-1.

† 227. "A *Spitzer* Space Telescope Atlas of Omega Centauri: the Stellar Population, Mass Loss, and the Intracluster Medium," M. L. Boyer, I. McDonald, J. Th. van Loon, C. E. Woodward, R. D.Gehrz, A. Evans, and A. K. Dupree, 2008, AJ, 135, 1395.

† 228. "A point source survey of M31 with the *Spitzer* Space Telescope," J. Mould, P. Barmby, K. Gordon, Karl; S. P. Willner, M. L. N. Ashby, R. D. Gehrz, R. M. Humphries, and C. E. Woodward, 2008, ApJ, 687, 230-241.

229. "A Multi-Scale Study of IR and Radio Emission from M33," F. S. Tabatabaei, R. Beck, M. Krause, E. M. Berkhuijsen, R. Gehrz, K. D.Gordon, J. L. Hinz, and G. H. Rieke, 2008, in "Proceedings of Formation and Evolution of Galaxy Disks," ASPC, 396, 85-86.

230. "*Spitzer* 4.5 μ Mass-Metallicity Relation for 25 Nearby Dwarf Galaxies," H. Lee, E. D. Skillman, D. C. Jackson, J. M. Cannon, R. D. Gehrz, E. Polomski, and C. E. Woodward 2008, in "The Second Annual *Spitzer* Science Center Conference: Infrared Diagnostics of Galaxy Evolution," eds R.-R. Chary, H. I. Teplitz, and K. Sheth, ASPC, 381, 169.

231. "*Spitzer* Observations of Diffuse 8 micron Emission in Local Group and Nearby Dwarf Galaxies," D. C. Jackson, E. D. Skillman, H. Lee, R. D. Gehrz, C. E. Woodward, and E. Polomski, 2008, in "The Second Annual *Spitzer* Science Center Conference: Infrared Diagnostics of Galaxy Evolution," eds R.-R. Chary, H. I. Teplitz, and K. Sheth, ASPC, 381, 42.

‡ 232. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2008, Proc. of SPIE, 7012, 70121R-1.

† 233. "Nova V2362 Cygni (Nova Cygni 2006): *Spitzer*, Swift, And Ground-Based Spectral Evolution," D. K. Lynch, C. E. Woodward, R. D. Gehrz, L. A. Helton, R. J. Rudy, R. W. Russell, R. Pearson, C. C. Venturini1, S. Mazuk, J. Rayner, J-U. Ness, S. Starrfield4, R. M. Wagner, J. P. Osborne, K. Page, R. C. Puetter, B. Perry, G. Schwarz, K. Vanlandingham, J. Black, M. Bode, A. Evans, T. Geballe, M. Greenhouse, P. Hauschildt, J. Krautter, W. Liller, J. Lyke, J. Truran, T. Kerr, S. P. S. Eyres, and S. N. Shore, 2008, AJ, 136, 1815–1827.

234. "On the Distance of RS Ophiuchi," R. K. Barry, K Mukai, J. L. Sokoloski, W. C.Danchi, I.; Hachisu, A. Evans, R. Gehrz, and J. Mikolajewska, 2008, in "RS Ophiuchi (2006) and the Recurrent Nova Phenomenon," eds. A. Evans, M. F. Bode, T. J. O'Brien, and M. J. Darnley ASPCS, . 401, 52 .

† 235. "A Spitzer search for cold dust within globular clusters," P. Barmby, M. L. Boyer, C. E. Woodward, R. D. Gehrz,J. Th. van Loon, G. G. Fazio, M. Marengo, and E. Polomski, E., 2009, AJ 137, 207.

† 236. “Giants In the Globular Cluster Omega Centauri: Dust Production, Mass Loss and Distance,” I. McDonald, J. Th. van Loon, L. Decin, M. L. Boyer, A. K. Dupree, A. Evans, R. D. Gehrz, and C. E. Woodward, 2009, MNRAS, 394, 831-856.

† ‡ 237. “A New Window on the Cosmos: The Stratospheric Observatory for Infrared Astronomy,,” R. D. Gehrz, E. E. Becklin, I. de Pater, D. F. Lester, T. L. Roellig, and C. E. Woodward, 2009, Adv. Space Res., 44, 413.

238. “Dust and Star Formation in Nearby Dwarf Galaxies,” T. K. Wyder, D. C. Jackson, E. D. Skillman, J. M. Cannon, and R. D. Gehrz, in “The Evolving ISM in the Milky Way and Nearby Galaxies,” eds. K. Sheth, A. Noriega-Crespo, J. Ingalls, and R. Paladini, 2009, eimw,confE, 69.

† 239. “X-Ray Spectroscopic Diagnosis of a Wind-Collimated Blast Wave and Metal-Rich Ejecta from the 2006 Explosion of RS Ophiuchi,” J. J. Drake, J. M. Laming, J-U. Ness, S. Orlando, S. Starrfield, A. P. Beardmore, M. F. Bode, A. Evans, S. P. S. Eyres, R. D. Gehrz, M. R. Goad, R. Gonzalez-Riestra, J. Krautter, T. J. O'Brien, J. P. Osborne, K. Page, G. Schwarz, and C. E. Woodward, 2009, Ap. J., 691, 418-424.

† 240. “Detection of Star Streams and Turbulence in Nearby Galaxies: Power Spectrum Analysis of Spitzer Images,” D. L. Block, I. Puerari, B. G. Elmegreen, D. M. Elmegreen, G. G. Fazio, and R. D. Gehrz, 2009, ApJ, 694, 115-129.

† 241. “A Spitzer Study of Asymptotoc Griant Branch Stars III. Dust Production and Gas Return in Local Group Dwarf Irregular Galaxies,” M. L. Boyer, E. D. Skillman, J. Th. van Loon, R. D. Gehrz, and C. E. Woodward, 2009, ApJ, 697, 1993-2014.

† 242. “Imaging the Cool Hypergiant NML Cygni's Dusty Circumstellar Envelope with Adaptive Optics,” M. T. Schuster, M. Marengo, J. L. Hora, G. G. Fazio, R. M. Humphreys, R. M., R. D. Gehrz, P. M. Hinz, M. A. Kenworthy, and W. F. Hoffmann, W. F., 2009, ApJ, 699, 1423-1432.

‡ 243. “Stratospheric Observatory for Infrared Astronomy (SOFIA),” E. E. Becklin and R. D. Gehrz, 2009, SPIE, 7453E, 1B.

‡ 244. “SOFIA: Stratospheric Observatory for Infrared Astronomy,” 2009, E. E. Becklin and R. D. Gehrz, 2009, in “Submillimeter Astrophysics and Technology: a Symposium Honoring Thomas G. Phillips,” eds. D. C. Lis, J. E. Vaillancourt, P. F. Goldsmith, T. A. Bell, N. Z. Scoville, and J. Zmuidzinas. ASP Conference Series, 417, 101-112.

† 245. " Spitzer Space Telescope Imaging of the Carina Nebula: The Steady March of Feedback Driven Star Formation," N. Smith, M. S. Povich, B. A. Whitney, E. Churchwell, B. L. Babler, M. R. Meade, J. Bally, R. D. Gehrz, T. P. Robitaille, and K. G. Stassun, 2010, MNRAS, 406, 952-974.

† 246. "The peculiar dust shell of Nova DZ Cru (2003)," A.Evans, R. D. Gehrz, C. E. Woodward, L. A. Helton, M. T. Rushton, M. F. Bode, J. Krautter, J. Lyke, D. K. Lynch, J. -U. Ness, S. Starrfield, J. W. Truran, and R. M. Wagner, 2010, MNRAS, 406, L85-L89.

‡ 247. "Writing a success story: lessons learned from the Spitzer Space Telescope," R. D. Gehrz, T. L. Roellig, and M. W. Werner, 2010, Proceedings of the SPIE, 7796, 779602-1 -779602-10.

† 248. "Five Years of Mid-infrared Evolution of the Remnant of SN 1987A: The Encounter Between the Blast Wave and the Dusty Equatorial Ring," E. Dwek, R. G. Arendt, P. Bouchet, D. N. Burrows, P. Challis, I. J. Danziger, J. M. De Buizer, R. D. Gehrz, S. Park, E. F. Polomski,J. D. Slavin, and C. E. Woodward, 2010, ApJ,722, 425-434.

‡ 249. "SOFIA: On the Pathway toward Habitable Worlds," R. D. Gehrz, D. Angerhausen, E. E. Becklin, M. A. Greenhouse, S. Horner, A. Krabbe, M. R. Swain, and E. T. Young, 2010, in "Pathways Towards Habitable Planets, proceedings of a workshop held 14 to 18 September 2009 in Barcelona, Spain," eds. V. Coudé du Foresto, D. M. Gelino, and I. Ribas, ASPC, 430, 201-206.

† 250. "The Dusty Nova V1065 Centauri (Nova Cen 2007): a Spectroscopic Analysis of Abundances and Dust Properties," L. A. Helton, C. E. F. M. Walter, K. Vanlandingham, G. J. Schwarz, A. Evans, J. -U. Ness, T. R. Geballe, R. D. Gehrz, M. Greenhouse, J. Krautter, W. Liller, D. K. Lynch, R. J. Rudy, S. N. Shore, S. Starrfield, and J. Truran, 2010, AJ, 140, 1347-1369.

† 251. "Spatially Resolved Polycyclic Aromatic Hydrocarbon Emission Features in Nearby, Low Metallicity, Star-forming Galaxies," K. Haynes, J. M. Cannon, E. D. Skillman, D. C. Jackson, and R. D. Gehrz, 2010, AJ, 724, 215-232.

‡ 252. "SOFIA studies of stellar evolution," R. D. Gehrz, E. E. Becklin, and T. L. Roellig, 2010, Highlights of Astronomy, 15, 529-530.

† 253. "Status of the Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz, E. E. Becklin, J. de Buizer, T. Herter, T., L. D. Keller, A. Krabbe, P. M. Marcum,T. L. Roellig, G. H. Sandell, P. Temi, W. D. Vacca, E. T. Young, and H. Zinnecker, 2011, Advances in Space Research, 48, 1004.

254. "Atypical dust species in the ejecta of classical novae," L. A. Helton, A. Evans, C. E. Woodward, and R. D. Gehrz, 2011, in "PAHs and the Universe: A Symposium to Celebrate the 25th Anniversary of the PAH Hypothesis," eds. C. Joblin and A. G. G. M. Tielens, ESA Publications Series, 46, 407-412.

† 255. "*Spitzer* Spectra of Evolved Stars in Ω Centauri and their Low-metallicity Dust Production," I. McDonald1, J. Th. van Loon, G. C. Sloan, A. K. Dupree, A. A. Zijlstra, M. L. Boyer, R. D. Gehrz, A. Evans, C. E. Woodward, and C. I. Johnson, 2011, MNRAS, 417, 20.

† 256. "Episodic Mass Loss in Binary Evolution to the Wolf-Rayet Phase: Keck and HST Proper Motions of the Nebula Around RY Scuti," N. Smith, R. D. Gehrz, R. Campbell, and M. Kassis, 2011, MNRAS, 418, 1959.

† 257. "Presolar Grains from Novae: Evidence from Neon and Helium Isotopes in Comet Dust Collections," R. O. Pepin, R. Palma, R. D. Gehrz, and S. G. Starrfield, 2011, ApJ, 742, 86.

† 258. "Solid-phase C^{60} in the peculiar binary XX Oph?," A. Evans, A., J. Th. Van Loon, C. E.Woodward, R. D. Gehrz, L. A. Helton, G. C. Clayton, M. T. Rushton, S. P. S. Eyres, J. Krautter, S. Starrfield, and R. M. Wagner, 2012, MNRAS, 421,L92.

† 259. "Early Science with SOFIA, the Stratosphereic Observatory for Infrared Astronomy," E. T. Young, T. L. Herter, J. M. de Buizer, E. E. Becklin, R. D. Gehrz, P. M. Harvey, L. A. Helton, A. Krabbe, P. M. Marcum, M. Morris, W. Reach, T. L. Roellig, G. H. L. Sandell, R. Sankrit, R. Y, Shuping, P. Temi, W. D. Vacca, and H. Zinnecker, 2012, ApJ, 749, L17.

† 260. "Infrared observations of the recurrent nova T Pyxidis: ancient dust basks in the warm glow of the 2011 outburst," A. Evans1, R. D. Gehrz, L. A. Helton, S. Starrfield, M. F. Bode, J. P. Osborne, D. P. K. Banerjee, J.-U. Ness, F. M. Walter, C. E. Woodward, E. Kuulkers, S. P. S. Eyres, J. M. Oliveira, N. M. Ashok, J. Krautter, T. J. O'Brien, K. Page, and M. T. Rushton, 2012, MNRAS, 424, L69.

† 261. "Properties and Spatial Distribution of Dust Emission in the Crab Nebula," T. Temim, E. Dwek, G. Sonneborn, R. G. Arendt, R. D. Gehrz, P. Slane, and T. L. Roellig, 2012, ApJ, 753, 72.

† 262. "Elemental Abundances in the Ejecta of Old Classical Novae from Late-Epoch Spitzer Spectra," L. A, Helton, R. D. Gehrz, C. E.Woodward, R. M. Wagner, W. D. Vacca , A. Evans, J. Krautter, G. J. Schwarz, D. S. Shenoy, and S. Starrfield, 2012, ApJ, 755, 37.

‡ 263. “Stratospheric Observatory for Infrared Astronomy (SOFIA),” R. D. Gehrz, E. E. Becklin, and T. L. Roellig, 2012, Proceedings of the SPIE, 8511, 85110B-1.

‡ † 264. “Infrared Emission from Novae” A. Evans and R. D. Gehrz, 2012, Bull. Astr. Soc. India, 40, 213.

265. “SOFIA FORCAST FAR-IR Photometry of Comet Ison and Constraints on the Coma Grain Size Distribution”, D. H. Wooden, J. M. De Buizer, M. S. Kelley, C. E. Woodward, D. E. Harker, W. T., Reach, M. L., Sitko, R. W., Russell, R. D. Gehrz, Imke de Pater, and L. Kolokolova, 2014, LPI, 45, 2906.

266. "A WISE view of novae", A. Evans, R. D. Gehrz, C. E. Woodward, C. E., and L. A. Helton, 2014, in proceedings of "Stella Novae: Future and Past Decades", eds. P. A. Woudt & V. A. R. M. Ribeiro, ASPCS, 490, 237.

‡ 267. "Observations of Novae in the Infrared", R. D. Gehrz, A. Evans, and C. E. Woodward 2014, in proceedings of "Stella Novae: Future and Past Decades", eds. P. A. Woudt and V. A. R. M. Ribeiro, ASPCS, 490, 227.

268. “The Dusty Nova – An Examination of Dust Production and Processing in the Ejecta of Classical Novae”, L. A. Helton, A. Evans, C. E. Woodward, R. D. Gehrz, and W. Vacca, 2014, in proceedings of "Stella Novae: Future and Past Decades", eds. P. A. Woudt & V. A. R. M. Ribeiro, ASPCS, 490, 261.

269. “Silicate dust in RS Ophiuchi”, M. T. Rushton, C. E. Woodward, L. A. Helton, R. D. Gehrz, A. Evans, B. Kaminsky, Ya. V. Pavlenko, S. P. S. Eyres, and M. Maxwell, 2014, in proceedings of "Stella Novae: Future and Past Decades", eds. P. A. Woudt & V. A. R. M. Ribeiro, ASPCS, 490, 249.

† 270. "A WISE view of novae - I. The data", A. Evans, R. D., Gehrz, R. D., C. E. Woodward, and L. A.Helton, 2014, MNRAS, 444, 1683.

‡ 271. "Comet C/2012 S1 (ISON): Observations of the Dust Grains from SOFIA and of the Atomic Gas from NSO Dunn and McMath-Pierce Solar Telescopes (Invited)", D. H. Wooden, J. M. De Buizer, M. S. Kelley, C. E. Woodward, D. E. Harker, W. T. Reach, M. L. Sitko, R. W. Russell, R. D. Gehrz, I. de Pater, and L. Kolokolova, 2014, LPI, 45, 2906.

† 272. "Dust in Nearby Galaxies With Spitzer (DUSTiNGS): An Infrared Census of The Local Group, I. Overview", M. L. Boyer, M. L., K. McQuinn, P. Barmby, A. Z. Bonanos, R. D. Gehrz, K. D. Gordon, M. A. T. Groenewegen, E. Lagadec, D. Lennon, M. Marengo, M. Meixner, E. Skillman, G. C. Sloan, G. Sonneborn, J. Th. van Loon, and Albert Zijlstra 2015, ApJS, 216, 10.

† 273. “Dust in Nearby Galaxies With Spitzer (DUSTiNGS): An Infrared Census of The Local Group, II. Discovery of Extreme AGB Stars”, M. L. Boyer, K. B. W. McQuinn, P. Barmby, A. Z. Bonanos, R. D. Gehrz, K. D. Gordon, M. A. T. Groenewegen, E. Lagadec, D. Lennon, M. Marengo, I. McDonald, M. Meixner, E. Skillman, G. C. Sloan, G. Sonneborn, J. Th. van Loon, and Albert Zijlstra, 2015, ApJ, 800, 51.

† 274. "Observations of Type Ia Supernova 2014J with FLITECAM/SOFIA", W. D. Vacca, R. T. Hamilton, M. Savage, S. Shenoy, E. E. Becklin, I. S. McLean, Ian S., S. E. Logsdon, R. D. Gehrz, J. Spyromilio, P. Garnavich, G. H. Marion, and O. D. Fox, 2015, ApJ, in press, eprint arXiv:1503.01229.

† 275. “SOFIA Mid-Infrared Imaging and CSO Submillimeter Polarimetry Observations of G034.43+00.24 MM1”, T. J. Jones, M. Gordon, D. Shenoy, R. D. Gehrz, J. E. Vaillancourt, and M. Krejny, 2015, AJ, in press.

† 276. "Mid-infrared spectra of comet nuclei" M. S. P. Kelley, C. E. Woodward, R. D. Gehrz, W. T. Reach, and D. E. Harker, 2015, Icarus, to be submitted.

† 277. "Warm Dust in S106: SOFIA/FORCAST Reveals a Fragmented Torus Around S106 IR", J. D. Adams, T. L. Herter, J. L. Hora, N. Schneider, R. M. Lau, J. G. Staguhn, R. Simon, N. Smith, R. D. Gehrz, L. E. Allen, S. Bontemps, S. J. Carey, G. G. Fazio, R. A. Gutermuth, A. Guzman Fernandez, M. Hennemann, T. Hill, E. Keto, X. P. Koenig, K. E. Kraemer, S. T. Megeath, D. R. Mizuno, F. Motte, P. C. Myers, H. A. Smith, 2015, to be submitted.

† 278. "SOFIA (+FORCAST) Infrared Spectrophotometry of Comet C/2012 K1 (PanSTARRS)", C. E. Woodward, M. S. P. Kelley, D. E. Harker, E. L. Ryan, D. H. Wooden, M. L. Sitko, R. W. Russell,W. R. Reach, I. de Pater, L. Kolokolova, and R. D. Gehrz, 2015, ApJ, to be submitted.

† 279. “SPIRITS: Uncovering Unusual Mid-Infrared Transients with *Spitzer*”, The *SPitzer* InfraRed Intensive Transients Survey (SPIRITS) Team, 2015, ApJ, in preparation.

† 280. "CK Vulpeculae: A smorgasbord of hydrocarbons hints at a PN in the making", A. Evans, R. D. Gehrz, C. E. Woodward, et al., 2015, MNRAS, in preparation.

† 281. "The Early Infrared Temporal Development of Nova Delphini 2013 (V339 Del) Observed with The Stratospheric Observatory For Infrared Astronomy (Sofia) and from the Ground", R. D. Gehrz, A. Evans, L. A. Helton, D. P. Shenoy, D. P. K. Banerjee, C. E. Woodward, D. A. Dykhoff, N. M. Ashok, A. C. Cass, R. L. Carlon, D. T. Corgan, S. P. Eyres, V. Joshi, Luke D. Keller, J. Krautter, T. Liimets, S. Mohamed, M. Rushton, S. Starrfield, and W. D. Vacca, 2015, ApJ, in preparation.

Abstracts and Circulars by Robert D. Gehrz (‡ invited review or paper)

1a. "Infrared Radiation from RV Tauri Stars," R.D. Gehrz, B.A.A.S., 3, 454.

2a. "Infrared Photometry of Bright O, B, and A Stars," R.D. Gehrz and J.A. Hackwell, 1973, B.A.A.S., 5, 347.

3a. "Infrared Maps of the Orion Nebula," J.R. Smith, R.D. Gehrz, and J.A. Hackwell, 1975, B.A.A.S., 7, 446.

4a. "Infrared Variations of Wolf-Rayet Stars," J.A. Hackwell, R.D. Gehrz, and J.R. Smith, 1975, B.A.A.S., 7, 441.

5a. "Infrared Maps of W3(A) from 5:m to 19.5:m," J.A. Hackwell, R.D. Gehrz, D.A. Briotta, and J.R. Smith, 1977, B.A.A.S., 8, 527.

6a. "Infrared Observations of Nova Vulpecula 1976," R.D. Gehrz, J.A. Hackwell, and D.A. Briotta, 1977, B.A.A.S., 8, 509.

7a. "Nova Sagittarii 1978 = IRC -20494 = V3876 Sagittarii," R. D. Gehrz, G. L. Grasdalen, J. A. Hackwell, and D. Mcclain, 1978, IAU Circ., 3213.

8a. "Nova Serpentis 1978," R. D. Gehrz, G. Grasdalen, J. A. Hackwell, D. Mcclain, S. F. Mclaughlin, and C. Sneden, 1978, IAU Circ., 3235.

9a. "Nova Cygni 1978," R. D. Gehrz, G. L. Grasdalen, J. A Hackwell, and E. P. Ney, 1978, IAU Circ., 3296.

10a. "The Wyoming Infrared Observatory," R.D. Gehrz and J.A. Hackwell, 1978, B.A.A.S., 10, 393.

11a. "Infrared Observations of Variable Wolf-Rayet Stars," J.A. Hackwell, R.D. Gehrz, and G.L. Grasdalen, 1978, B.A.A.S., 10, 407.

12a. "RY Scuti: An Early-Type Eclipsing Binary with a Silicate Type Infrared Excess," G.L. Grasdalen, J.A. Hackwell, R.D., Gerhz, and D. McClain, 1978, B.A.A.S., 11, 402.

13a. "Mxb1837+05," J. A. Hackwell, R. D. Gehrz, G. L. Grasdalen,L. Cominsky,J. Van Paradijs, and W. H. G. Lewin, 1979, IAU Circ., 3331.

14a. "The Detection of an Optical Burst Coincident with an X-ray Burst from MXB1937+05 (Ser X-1)," J.A. Hackwell, G.L. Grasdalen, R.D. Gehrz, J. van Paradijs, L. Cominsky, and W.H.G. Lewin, 1979, B.A.A.S., 11, 464.

15a. "High Resolution Infrared Imaging System on the University of Wyoming 2.3 meter IR Telescope," G.L. Grasdalen, A.D. Herzog, J.A. Hackwell, and R.D. Gehrz, 1979, B.A.A.S., 11, 712.

16a. "Nova Cygni 1980," G. L. Grasdalen, M. Castelaz, and R. D. Gehrz, R. D.; 1980, IAU Circ., 3551.

17a. "Spatially Resolved IR Images of Saturn," R.D. Gehrz, G.L. Grasdalen, A.D. Herzog, and R. Suggs, 1980, B.A.A.S., 12, 830.

18a. "A Correlation Between Infrared Excess and Period for Mira Variable," K. DeGioia-Eastwood, J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1980, B.A.A.S., 12, 862.

19a.. "Infrared Photometry of Twin-Line OH Masers," R.D. Gehrz, G.L. Grasdalen, and J.A. Hackwell, 1981, B.A.A.S., 13, 895.

20a. "Six Wavelength 8-13 micron Images of Eta Carinae," J.A. Hackwell, R.D. Gehrz, and G.L. Grasdalen, 1981, B.A.A.S., 13, 809.

21a. "10 and 20 micron Images of IC 418," A.F. Bentley, J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1981, B.A.A.S., 13, 808.

22a. "Nova Aquilae 1982," R. D. Gehrz, J. A. Hackwell, and G. L. Grasdalen, 1982, IAU Circ., 3711

23a. "Star Bursts and the Extraordinary Galaxy NGC 3690," R. Sramek, R.D. Gehrz, and D. Weedman, 1982, B.A.A.S., 14, 947.

24a. "Infrared Mapping and Photometry of W40," A.F. Bentley, R.D. Gehrz, G.L. Grasdalen, and J.A. Hackwell, 1982, B.A.A.S., 14, 643.

25a. "Infrared Spectroscopy of 104.9+2.4," D. Mozurkewich and R.D. Gehrz,1982, B.A.A.S., 14, 652.

26a. "The University of Wyoming Integrating Preamplifier for InSb Detectors," J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1983, B.A.A.S., 15, 642.

♯27a. "The Role of Dust in the Cycling of Galactic Material," R.D. Gehrz,1983, invited talk delivered to the 162nd meeting of the American Astronomical Society, B.A.A.S., 15, 652.

28a. "2.2 micron Spatial and Polarization Images of GSS30 in the Rho Ophiuchus Dark Cloud," M.C. Castelaz, C. Gullixson, J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1983, B.A.A.S., 15, 653.

29a. "Maximum Entropy Reconstruction of Infrared Planetary Nebula Images," A.F. Bentley, J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1983, B.A.A.S., 15, 677.

30a. "Infrared Observations of G 24.5-0.2 (AFGL 2210)," G.L. Grasdalen, R.D. Gehrz, J.A. Hackwell, M.C. Castelaz, and C. Gullixson, 1983, B.A.A.S., 15, 680.

31a. "2.2 micron Surface Photometry of Galaxies," J.S. Price, J.A. Hackwell, K.A. Caldwell, R.D. Gehrz, G.L. Grasdalen, and C.A. Gullixson, 1983, B.A.A.S., 15, 933.

32a. "The Two Micron Spectrum of R Scuti," D.M. Mozurkewich, R.D. Gehrz, K.H. Hinkle, and D.L. Lambert, 1984, B.A.A.S., 16, 1013.

33a. "The Location of Molecular Hydrogen in the Planetary Nebula NGC 7027," H.A. Thronson, Jr., J.A. Hackwell, G.L. Grasdalen, and R.D. Gehrz, 1984, B.A.A.S., 16, 994.

34a. "Near Infrared Mapping of W51," S.J. Little, J.A. Hackwell, R.D. Gehrz, G.L. Grasdalen, and J. Locke, 1984, B.A.A.S., 16, 914.

35a. "Nova Vulpeculae 1984 No. 2," R. D. Gehrz, G. L. Grasdalen, J. A. Hackwell, J. A.; and M. Greenhouse, 1985, IAU Circ., 4065.

36a. "Nova Vulpeculae 1984 No. 2," R. D. Gehrz, G. L. Grasdalen, and J. A. Hackwell, 1985, IAU Circ., 4111.

37a. "Periodic Comet Halley (1982i)," R. D. Gehrz, 1986, IAU Circ., 4179.

38a. "Supernova 1986d in M82," R. D. Gehrz, R. D.; Dietz, G. L. Grasdalen, J. R. Smith, and J. A. Hackwell, 1986, IAU Circ., 4202.

39a. "Nova Vulpeculae 1984 No. 2," G. L. Grasdalen, R. D. Gehrz, M. Greenhouse, T. Hayward, J. Benson, and T. Jones, 1986, IAU Circ., 4245.

40a. "Nova Cygni 1986," R. D. Gehrz, T. J. Jones, 1986, IAU Circ., 4259.

41a. "Infrared Imaging and Photometry of Comet P/Halley," T.L. Hayward, R.D. Gehrz, G.L. Grasdalen, and J. Smith, 1986, B.A.A.S., 18, 666.

42a. "Recent Infrared Temporal Development of Nova Vul 1984#2," R.D. Gehrz, E.P. Ney, G.L. Grasdalen, and J.A. Hackwell, 1986, B.A.A.S., 18, 683.

43a. "The Enigmatic Object Variable A in M33," R.M. Humphreys, T.J. Jones, and R.D. Gehrz, 1986, B.A.A.S., 18, 683.

44a. "Observations of Comet Halley at Wavelengths Between 0.7 and 20 Micron," E.P. Ney and R.D. Gehrz, 1986, B.A.A.S., 18, 685.

45a. "Infrared Observations of a Coronal Phase in Nova Vulpeculae 1984#2," R.D. Gehrz, T.J. Jones, G.L. Grasdalen, M. Greenhouse, and T. Hayward, 1986, B.A.A.S., 18.918.

46a. "Nova Herculis 1987," R. D. Gehrz, and T. J. Jones, 1987, IAU Circ., 4371.

47a. "Nova Herculis 1987," M. A. Greenhouse, C. Woodward, R. D. Gehrz, and T. J. Jones, 1987, IAU Circ., 4398.

48a. "Nova Vulpeculae 1987," R. D. Gehrz, T. Harrison, and J. Johnson, 1987, IAU Circ., 4501.

49a. "Six-Channel 8-13 Micron Images of Jupiter," J.A. Hackwell, G.L. Grasdalen, R.D. Gehrz and L.M. Friesen, 1987, B.A.A.S. 19, 638.

50a. "Will Dust Form in the Ejecta of Supernova 1987a?" R.D. Gehrz and E.P. Ney, 1987, B.A.A.S. 19, 1050.

51a. "The Infrared Coronal Lines of Recent Novae," M.A. Greenhouse, G.L. Grasdalen, T.L. Hayward, R.D. Gehrz and T.J. Jones, 1987, B.A.A.S. 19, 1059.

52a. "Nova Vulpeculae 1987," R. D. Gehrz, and T. Hayward, 1988, IAU Circ., 4557.

53a. "Fluorescent Molecular Hydrogen In The Unusual Source G70.68+1.2," M.A. Greenhouse, C.E. Woodward, G.L. Grasdalen, H.A. Thronson, Jr., T.J. Jones, R.D. Gehrz and J. Bally, 1988, B.A.A.S. 20, 1051.

54a. "V404 Cygni = Gs 2023+338," J. Johnson, T. Harrison, and R. D. Gehrz, 1989, IAU Circ., 4786.

55a. "Nova Vulpeculae 1987," R. D. Gehrz, 1989, IAU Circ., 4788.

56a. "V404 Cygni," R. D. Gehrz, J. Johnson, and T. Harrison, 1989, IAU Circ., 4816.

57a. "Comet Austin (1989c1)," E. P. Ney, and R. D. Gehrz, 1990, IAU Circ., 4987.

58a. "Comet Austin (1989c1)," R. D. Gehrz, and E. P. Ney, 1990, IAU Circ., 4988.

59a. "Comet Austin (1989c1)," R. D. Gehrz, and E. P. Ney, 1990, IAU Circ., 4993

60a. "QU Vul: Ultraviolet Evolution of a Classical Neon Nova," 1990, P. Saizar, S. Starrfield, S. Austin, J. G. Ferland, R. M. Wagner, J. W. Truran, G. Sonneborn, S. J. Kenyon, W. M. Sparks, R. E. Williams, R. Wade, and R. D. Gehrz, 1990, in *International Conference on Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions*, ed. E. J. Rolf, European Space Agency publication ESA-SP-310.

61a. "Nova Herculis 1991," R. D. Gehrz, T. J. Jones, and G. Lawrence, 1991, IAU Circ., 5232.

62a. "Nova Herculis 1991," T. Iijima, R. D. Gehrz, T. J. Jones, and G. Lawrence, K. R. 1991, IAU Circ., 5236.

63a. "Nova Herculis 1991," R. D. Gehrz, G. Lawrence, and C. E. Woodward, 1991, IAU Circ., 5246.

64a. "Nova Ophiuchi 1991," C. E. Woodward, R. D. Gehrz, G. Lawrence, and R. Pina, 1991, IAU Circ., 5254.

65a. "Near-Infrared Broadband Photometry of Am Stars," C.E. Woodward, J. Hakkila, G.F. Lawrence and R.D. Gehrz, 1991, B.A.A.S. 23, 1376.

66a. "Nova Cygni 1992," R. D. Gehrz, G. Lawrence, and T. J. Jones, 1992, IAU Circ., 5463.

67a. "Nova Puppis 1991," R. D. Gehrz, G. Lawrence, and C. Stalzer, 1992, IAU Circ., 5466.

68a. "Comet Mueller (1991h1)," R. D. Gehrz, T. J. Jones, G. Lawrence, and E. P. Ney, 1992, IAU Circ., 5482.

69a. "Nova Cygni 1992 ," R. D. Gehrz, T. J. Jones, G. Lawrence, T. Hayward, J. Houck, and J. Miles, 1992, IAU Circ., 5497.

70a. "Nova Cygni 1992," Y. Pendleton, R. Gehrz, C. Kaminski, N. Jennerjohn, S. Sandford, L. Allamandola, T. J. Jones, G. Lawrence, P. Schmeer, P. Collins, and B. H. Granslo, 1992, IAU Circ., 5544.

71a. "Nova Cygni 1992," C. E. Woodward, and R. D. Gehrz, 1992, IAU Circ., 5617.

72a. "FG Sagittae," C. E. Woodward, J. Cole, T. Hodge, and R. D. Gehrz, 1992, IAU Circ., 5619.

73a. "Nova Cygni 1992," C. E. Woodward, R. D. Gehrz, and G. F. Lawrence, 1992, IAU Circ., 5635.

74a. "Periodic Comet Swift-Tuttle (1992t), B. Jones, R. K. Pina, E. F. Milone, J. R. Sarmecanic, R. C. Puetter, J. Mclaughlin, R. D. Gehrz, G. Lawrence, K. Flugaur, and C. E. Woodward, 1992, IAU Circ., 5654.

75a. "The Recent Optical and Infrared Temporal Evolution of FG Sge," G. F. Lawrence, C. E. Woodward, R. D. Gehrz, T. J. Jones, H. A. Kobulnicky, and J. Cole, 1992, B.A.A.S., 181.1191.

76a. "Infrared Temporal Observations of Nova Cygni 1992," C. E. Woodward, M. A. Greenhouse, R.D. Gehrz, G. F. Lawrence, Y. Pendleton, L. Allamandola, S. Sandford, R. R. Joyce, M. F. Skrutskie, and D. van Buren, 1992, B.A.A.S., 24, 1189.

77a. "Ten Micron Spectra of Nova Cygni 1992," T. L. Hayward, J. W. Miles, J. R. Houck, and R.D. Gehrz, 1992, B.A.A.S., 181.4403.

‡ 78a. "Recent Infrared Observations of Nova Cygni 1992," R.D. Gehrz, invited talk delivered to the 181st meeting of the American Astronomical Society, 1992, B.A.A.S., 24, 1257.

79a. "V1974 Cygni," G. F. Lawrence, and R. D. Gehrz, 1993, IAU Circ., 5785.

80a. "Nova Aquilae 1993," G. S. Rossano, R. J. Rudy, R. C. Puetter, D. K. Lynch, C. E. Woodward, G. F. Lawrence, R. D. Gehrz, M. Creese, and J. Hakkila, 1993, IAU Circ., 5816.

81a. "FG Sagittae," G. F. Lawrence, R. D. Gehrz, and C. E. Woodward, 1993, IAU Circ., 5817

82a. "Supernova 1993j in NGC 3031," G. F. Lawrence, A. Paulson, C. Mason, C. Butenhoff, and R. D. Gehrz, 1993, IAU Circ., 5844.

83a. "Nova Aquilae 1993," C. E. Woodward, J. Cole, and R. D. Gehrz, 1993, IAU Circ., 5882.

84a. "Nova Cassiopeiae 1993," C. E. Woodward, M. A. Greenhouse, G. F. Lawrence, and R. D. Gehrz, 1993, IAU Circ., 5910.

85a. "Nova Cassiopeiae 1993," C. Mason, and R. D. Gehrz, 1994, IAU Circ., 5957.

86a. "IR Spectrophotometry of Novae Aquilae 1993 and Ophiuchi 1993," C. E. Woodward, J. Cole, R. D. Gehrz, G. F. Lawrence, M. A. Greenhouse, D. Van Buren, and G. Sloan 1993, B.A.A.S., 183.5502.

‡87a "Nova Cygni 1992 and Nova Vul 1984 #2 (QU Vul) as Prototypes for Infrared Studies of the Contributions of ONeMg Novae to the ISM," R.D. Gehrz, invited talk delivered to the 183rd meeting of the American Astronomical Society, 1994, B.A.A.S., 184.5301.

88a. "SIRTF - Key Projects and Community Participation," M. Bicay, R. D. Gehrz, L. Caroff, M. Jura, J. L. Pipher, M. Werner, and E. Young, 1994, B.A.A.S., 184.2502.

89a. "Sky Brightness & Acoustic Sounding, Mt. Evans Observatory," R. E. Stencel, M. A. Dahm, M. Jalakas, D. Klebe, G. Emerson, C. Butenhoff, and R. D. Gehrz, 1994, B.A.A.S, 185.1004.

90a. "Nova Aquilae 1995," C. G. Mason, R. D. Gehrz, and C. E. Woodward, 1995, IAU Circ., 6154.

91a. "Near-Infrared Imaging of Two Bright Comets," T. M. Hodge, C. E. Woodward, R. D. Gehrz, T. J. Jones, F. Piché, J. L. Pipher, and W. L. Forrest, 1995, B.A.A.S., 27, 759.

92a . "Comet C/1996 B2 (Hyakutake)," C. G. Mason, R. D. Gehrz, T. J. Jones, and D. M. Williams, 1996, IAU Circ., 6365.

93a. "Comet C/1996 B2 (Hyakutake)," C. G. Mason, R. D. Gehrz, T. J. Jones, J. Mergen, and D. M. Williams, 1996, IAU Circ., 6378.

94a. "Comet C/1996 B2 (Hyakutake)," C. G. Mason, R. D. Gehrz, T. J. Jones, and D. M. Williams, 1996, IAU Circ., 6396.

95a. "Optical and Near Infrared Spectrophotometric Observations of Comet Hale-Bopp," D. E. Harker, C. E. Woodward, R. D. Gehrz, J. Lyke, J., R. M., Saxton, C. W. Mcmurtry, and R. J. Rudy, 1996, B.A.A.S., 189.1903.

96a. "SIRTF Target of Opportunity Observations & Strategies," C. E. Woodward, S. B. Howell, R. D. Gehrz, W. A. Stein, M. A. Greenhouse, M. A. Malkan, and D. H. Wooden, 1996, B.A.A.S., 189.0305.

97a. "Community Participation in the Space Infrared Telescope Facility (SIRTF) Mission: An Overview," R. D. Gehrz, C. A. Beichman, M. D. Bicay, L. J. Caroff, C. A. Christian, D. P. Clemens, D. P. Cruikshank, R. M. Cutri, R. M., M. A. Greenhouse, M. S. Hanner, T. J. Jones, R. B. Miller, M. J. Rieke, H. A. Thronson, Jr., E. J. Weiler, M. W. Werner, and C. E. Woodward, 1996, B.A.A.S., 189.0302.

98a. "Community Participation in the Space Infrared Telescope Facility (SIRTF) Mission," R. D. Gehrz, C. A. Beichman, M. D. Bicay, C. A. Christian, D. P. Clemens, D. P. Cruikshank, R. M. Cutri, M. A. Greenhouse, M. S. Hanner, T. J. Jones, R. B. Miller, M. J. Rieke, H. A. Thronson, E. J. Weiler, M. W. Werner, and C. E. Woodward, 1997, B.A.A.S.,191.4201.

99a. "The SIRTF Legacy Observing Program," M. A. Greenhouse, D. Leisawitz, R. D. Gehrz, and D. P. Clemens, 1997, B.A.A.S, 191.4202.

100a. "HST and Infrared Images of the Circumstellar Environment of the Cool Hypergiant IRC+10420," R. M. Humphreys, N. Smith, K. Davidson, T. J. Jones, R. D. Gehrz, C. G. Mason, T. L. Hayward, J. R. Houck, and J. Krautter, 1997, B.A.A.S., 191.4604.

101a. "Proper Motions in Eta Carinae Using a Half-Century Temporal Baseline," N. Smith, and R. D. Gehrz, 1997, B.A.A.S., 191.4605.

102a. "ISO SWS Spectroscopy of Classical Novae," C. E. Woodward, M. J. Barlow, A. Evans, R. D. Gehrz, M. A. Greenhouse, and A. Salama, 1997, B.A.A.S., 191.10901.

103a. "Compact Rings Around the Eclipsing Binary RY Scuti," N. Smith, R. D. Gehrz, R. M.; Humphreys, K. Davidson, T. J., Jones, and J. Krautter, 1998, BAAS, 193.12504.

104a. "The Circumstellar Environment of VY CMa," N. Smith, R. M. Humphreys, J. Krautter, R. D. Gehrz, K. Davidson, T. J. Jones, and S. Hubrig, 1999, B.A.A.S., 194.1306.

105a. "Pre- and Post-perihelion 1-20 ：m Observations of Comet C/1995 01 (Hale-Bopp)," C. G. Mason, R. D. Gehrz, T. J. Jones, M. S. Hanner, D. M. Williams, and C. E. Woodward, 1999, B.A.A.S., 194.1502.

106a. "ISO Observations of V1425 Aquilae," J. E. Lyke, R. D. Gehrz, M. J. Barlow, A. N. Evans, A. Salama, and C. E. Woodward,1999, B.A.A.S., 194.8607.

107a. "NICMOS Imagery of Nova Shells," K. E. Belle, C. E. Woodward, A. N. Evans, S. Eyres R. D. Gehrz, M. Schuster, M. A. Greenhouse, J. Krautter, S. G. Starrfield, and J. Truran, 1999, B.A.A.S., 194.8611.

108a. "V382 Velorum" S. N. Shore, H. E. Bond, R. Downes, S. Starrfield, R. D. Gehrz, J. Krautter, and C. E. Woodward, C. E., 1999, IAU Circ., 7192.

109a. "V382 Velorum," S. N. Shore, H. E. Bond, R. Downes, S. Starrfield, R. D. Gehrz, J. Krautter, and C. E. Woodward, 1999, IAU Circ., 7261.

110a. "Thermal Infrared Images of HD 98800: Detection of a Primitive Zodiacal Cloud?," R. D., N. Smith, F. J. Low, J. Krautter, J. Nollenberg, and T. J. Jones, 1999, B.A.A.S, 195.7812.

111a. "Variability in the Nebula Surrounding Eta Carinae," N. Smith, J. A. Morse, K. Davidson, R. M. Humphreys, and R. D. Gehrz, 1999, B.A.A.S., 195.11102.

112a. "Nova in the Large Magellanic Cloud 2000," S. N. Shore, S. Starrfield, H. E. Bond, R. Downes, P. H. Hauschildt, R. D. Gehrz, C. E. Woodward, J. Krautter, and A. N. Evans, A. N. Evans, 2000, IAU Circ., 7486.

113a. "A Near-IR Search for Variable Sources in M33," J. E. Lyke, R. D. Gehrz, C. G. Mason, M. Schuster, and R. M. Humphreys, 2000, B.A.A.S., 196.5306.

114a. "Infrared imaging of Sharpless 106," N. Smith, T. J. Jones, and R. D. Gehrz, 2000, B.A.A.S., 196.2615.

115a. "CHANDRA and HST/STIS Observations of V382 Vel (1999) and V1494 Aql (1999)," S. Starrfield , S.N. Shore, Y. Butt, J. Drake, H. E. Bond, R. Downes, J. Krautter , R. M. Wagner, R. D. Gehrz, C. E. Woodward, M. Della Valle, P. H. Hauschildt, J. W. Truran, 2000, B.A.A.S, HEAD meeting 32.4103

116a. "Early and Mid-stage Evolution of V1494 Aquilae (Nova Aql 1999 No.2)," Lyke, J. E., Song, J.; Wagner, R. M.; Vanlandingham, K. M.; Mason, C. G.; and Woodward, C. E., 2000, B.A.A.S., 197.8509.

117a. "Thermal IR Images of the Compact Nebula Around RY Scuti From the W.M. Keck Observatory," Gehrz, R. D.; Smith, N.; Jones, B.; Puetter, R.; and Yahil, A., 2000, B.A.A.S. 197.0818.

118a. "The Near-IR Spectrum of the Homunculus Nebula Around Eta Carinae" Smith, N., Davidson, K.., and Gehrz, R. D., 2000, B.A.A.S., 197.0815

119a. "Comet C/1999 T1 (McNaught-Hartley)," Woodward, C. E.; Lyke, J. E.; Gehrz, R. D., 2001, IAU Circ. No. 7594.

120a. "The Infrared Activity of Comet P/Halley 1986 III at Heliocentric Distances from 0.6 to 3.0 AU," Homich, A. A.; Gehrz, R. D.; Hanner, M. S.; Tokunaga, A. T., 2001, B.A.A.S., 198.7003.

121a. "RY Scuti's Expanding Double-Ring Nebula," Smith, N.; Gehrz, R. D.; Goss, W. M., 2001, B.A.A.S., 198.1403.

122a. "The Extraordinary CHANDRA Light Curve of V1494 Aql," Starrfield, S.; Drake, J.; Wagner, R. M.; Butt, Y.; Hauschildt, P. H.; Krautter, J.; Gehrz, R. D.; Woodward, C. E.; Della Valle, M.; Orio, M.; Mukai, K.; Hernanz, M.; Truran, J. W.; Evans, A. E., 2001, B.A.A.S., 198.1109.

123a. "V445 Puppis--An Unusual Nova?," Lyke, J. E.; Woodward, C. E.; Gehrz, R. D.; Wagner, R. M.; Starrfield, S. G.; Schwarz, G.; Foltz, C. B., 2001, B.A.A.S., 198.1106.

124a. "SQIID Imaging of the M 33 Core"' Polomski, E.; Gehrz, R. D.; Humphreys, R.; Woodward, C. E.; Jones, T. J.; Lyke, J.; Eicher, K.; Willner, S.; Barmby, P.; Huchra, J.; Strom, S., 2001, B.A.A.S., 198.0804.

125a. "X-ray Pulsations and a "Burst" in the X-ray Light Curve of Classical Nova V1494 Aql (1999 #2) in Outburst," Krautter, J.; Drake, J.; Starrfield, S.; Wagner, R. M.; Butt, Y.; Bond, H. E.; della Valle, M.; Gehrz, R. D.; Woodward, C. E.; Evans, A. E.; Orio, M.; Hauschildt, P.; Hernanz, M.; Mukai, K.; Truran, J. W., 2001, " Astronomische Gesellschaft Abstract Series, Vol. 18., Abstracts of Contributed Talks and Posters presented at the Annual Scientific Meeting of the Astronomische Gesellschaft the Joint European and National Meeting JENAM 2001 of the European Astronomical Society and the Astronomische Gesellschaft at Munich, September 10-15, 2001, abstract #MS 01 01, A.G.M., 18S0101.

126a. "Peering Through the Homunculus in the Thermal IR: Complex Equatorial Structure Around Eta Carinae," N. Smith, P. M. Hinz, W. F. Hoffmann, R. D. Gehrz, M, R, Meyer, E. E. Mamajek, J. L. Hora, K. Davidson, and J. A. Morse, 2001, BAAS, 199.13502.

127a. "Infrared Photometry of the Interesting Nova-like Variable V838 Monocerotis," J. E. Lyke, C. G. Mason, C. G., R. D. Gehrz, and C. E. Woodward, 2002, B.A.A.S. 200.7507.

128a. "Comet C/2002 C1 (Ikeya-Zhang)," J. E., Lyke, M. S. Kelley, D. C. Jackson, R. D. Gehrz, and C. E. Woodward, 2002, IAU Circ., 7921.

‡129a. "The Mass-Loss Wind of the Massive Over-contact Binary RY Scuti," R. D. Gehrz, and N. Smith, 2002, B.A.A.S., 201.2202, invited talk delivered at the 201st AAS Meeting.

130a. "Free-Free Turnover in Nova V4743 Sgr 2002 #3," J. E. Lyke,M. S. Kelley, R. D. Gehrz, and C. E. Woodward, 2002, B.A.A.S., 201.4003.

131a. "The State of the Focus and Image Quality of the SIRTF CTA," R. D. Gehrz, E. A. Romana, W. F. Hoffmann, J. P. Schwenker, J. E. Mentzell, J. L. Hora, P. R. Eisenhardt, B. R. Brandl, L. Armus, K. R Stapelfeldt, .D. C. Hines, A. K. Mainzer, E. T. Young, and D. G. Elliott, 2003, BAAS, 203.2214.

132a. "SIRTF in Space: On-orbit Performance of the SIRTF Observatory," M. Werner, F. Low, T. Roellig, G. Rieke, M. Rieke, E. Young, W. F. Hoffmann, J. R. Houck, G. G. Fazio, J. L. Hora, R. Gehrz, T. Soifer, G. Helou, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. Lawrence, A. Mainzer, L. Simmons, M. Jura, E. L. Wright, D. Cruikshank, J. Keene, B. R. Brandl, and J. E. Van Cleve, J. E., 2003, BAAS, 203.2201.

133a. "The *Spitzer* Space Telescope M33 Project: First Epoch Images," E. Polomski, R.D. Gehrz, R. M. Humphreys, C.E. Woodward, G. Fazio, S. Willner, P. Barmby, M. Ashby, M. Pahre, J. van Loon, G. Rieke, K. Gordon, J. Hinz, C. W. Engelbracht, K. A Misselt, P. G. Perez, B. R. Brandl, T. Roellig, and A. Alonso-Herrero, 2004, BAAS, 204.8004.

134a. "Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS)," D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, O. Krause,J. Muzerolle, J. A. Stansberry, K. Y. L. Su, E. T. Young, A. Noriega-Crespo, D. L. Padgett, R. D. Gehrz, and E. Polomski, 2004, BAAS, 204.4119.

135a. "The *Spitzer* Space Telescope: The First Nine Months," M. Werner, T. L. Roellig, F. J. Low, G. Rieke, M. Rieke, W. F. Hoffmann, E. Young, J. Houck, G. Fazio, J. Hora, R. Gehrz, T. Soifer, G. Helou, J. Keene, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. Lawrence, C.; Simmons, E. L. Wright, M. Jura, D. Cruikshank, and B. Brandl, 2004, BAAS, 204..330.

136a. "*Spitzer* Observations of Comet 2P/Encke: Six Months Post-Perihelion," M. S.Kelley, C. E. Woodward, R. D. Gehrz, and W. T. Reach, 2004, BAAS, 205.5614.

137a. "New *Spitzer* 4.5 mu m Luminosities for Nearby Dwarf Irregular Galaxies," H. Lee, D. C. Jackson, E. D. Skillman, R. D. Gehrz, E. Polomski, and C. Woodward, 2004, BAAS, 205.1690.

138a. "*Spitzer* Space Telescope Observations of the Local Group Dwarf WLM," D. C.Jackson, E. D. Skillman, R. D. Gehrz, RC. E. Woodward, and E. Polomski, 2004, BAAS, 205.9314.

139a. "*Spitzer* Observations of Star Formation in N159 in the LMC," T. J. Jones, C. E. Woodward, M. L. Boyer, R. D. Gehrz, and E. Polomski, 2004, BAAS, 205.9308.

140a. "*Spitzer* Observations of SN 1987A," E. Polomski, R. D. Gehrz, C. E Woodward, M. L Boyer, and T. L. Roellig, 2004, BAAS, 205.7114.

141a. "*Spitzer* Infrared Observations of Comets," R. D Gehrz, W. T. Reach, C. E Woodward, and M. S. Kelley, 2004, BAAS, 205.5613.

142a. "*Spitzer* Space Telescope IRAC Imagery of Omega Centauri," M. L. Boyer, C. E. Woodward, R. D. Gehrz, E. Polomski, J. Th. van Loon, and A. Evans, 2004, BAAS, 205.2310.

143a. "*Spitzer* Space Telescope and Coordinated Optical Spectrophotometry of V1187 Scorpii (Nova Scorpii 2004 #2)," C. E. Woodward, G. Ruch, R. D. Gehrz, R. M Humphreys, E. Polomski, R. M. Wagner, M. Barlow, M. F. Bode, S. Eyres, A. Evans, A. et al., 2004, BAAS, 205.1923.

144a. "Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 #2)," D. K. Lynch, R. W. Russell, R. J. Rudy, S. J. Bus, R. D. Gehrz, N. Smith, C. E. Woodward, T. E. Harrison, T. R. Geballe, S. Fisher, S. et al., 2004, BAAS, 205.1922.

145a. "*Spitzer* Space Telescope Spectroscopy of Old Novae," L. A. Helton, C. E. Woodward, R. D. Gehrz, and E. Polomski, 2004, BAAS, 205.1909.

146a. "*Spitzer* Space Telescope Observations of W3," G. T. Ruch, T. J. Jones, C. E. Woodward, E. Polomski, R. D. Gehrz , S. T. Megeath 2005, BAAS, 206.0702 .

147a. "The Ice Star and the Smog Star: *Spitzer* Observations of Two FU Orionis Systems," E. Polomski, G. T. Ruch, C. E. Woodward, R. D. Gehrz 2005, BAAS, 2006.0708.

148a. "Shredding Dust Pillars in the Carina Nebula: First Look With *Spitzer*" N. Smith , E. B. Churchwell, B. Whitney, M. Meade, B. Babler, J. Bally, K. G. Stassun, J. A. Morse, R. D. Gehrz 2005, BAAS, 206.0711.

149a. "Stars on the Edge -- Variable A in M33, 35 Years (or More) in Eruption," R. M. Humphreys, M. Koppleman, A. Helton, T. J. Jones, R. D. Gehrz, R. M. Wagner 2005, BAAS, 206.0805.

150a. "Searching for the Circumstellar Ejecta Around Cool Hypergiants," M. T. Schuster, R. M. Humphreys (U. Minn.), M. Marengo, R. D. Gehrz, C. E. Woodward, E. Polomski 2005, BAAS, 206.0809.

152a. "PAH Emission as a Function of Metallicity and Star Formation Rate: A *Spitzer*/IRAC Survey of Local Group Dwarf Galaxies," D.C. Jackson, J.M. Cannon, E.D. Skillman, R.D. Gehrz, C.E. Woodward, E. Polomski 2005, BAAS, 206.1208.

153a. "*Spitzer* Images and Spectroscopy of M33," R. D. Gehrz, E. Polomski, C. E. Woodward, K. McQuinn, M. Boyer, R. M. Humphreys, B. Brandl, J. T. van Loon, G. Fazio, S. P. Willner, P. Barmby, M. Ashby, M. Pahre, G. Rieke, K. Gordon, J. Hinz, C. Engelbracht, A. Alonso-Herrero, K. Misselt, P. G. Pérez-González , T. Roellig 2005, BAAS, 206.1301.

154a. "An IR Study of the Stellar Population in M33's Southwest Arm," K. B. W. McQuinn, C. E. Woodward, R. M. Humphreys, R. D. Gehrzz, E. Polomski, *Spitzer* M33 Team 2005, BAAS, 206.1302.

‡ 155a. "The Ejecta of Classical Nova Explosions: Dusty and Gas Phase Chemical Contributions to the ISM," R. D. Gehrz 2005, BAAS, 206.2807.

156a. "A Spectral Survey of Comets with *Spitzer*," M.S. Kelley, C.E. Woodward, D.H. Harker, D.H. Wooden, W.T. Reach, H. Campins, R.D. Gehrz, M.S. Hanner, D.J. Osip, S.M. Lederer, E. Polomski, 2005, BAAS, 206.3403.

157a. "Mass-Loss from the Evolved Stellar Population in M15," M. L. Boyer, C. E. Woodward, J. T. van Loon, E. F. Polomski, R. D. Gehrz, A. Evans, K. Gordon, 2005, BAAS, 206.3603.

158a. "*Spitzer* Space Telescope Observations of the Crab Nebula," T. Temim, C. E. Woodward, R. D. Gehrz, E. F. Polomski, L. Rudnick, K. D. Davidson, 2005, BAAS, 206.4401.

159a. "Constraining Cometary Particle Size Distributions by Combining Dynamic and Thermal Emission Models," M. S. Kelley, C. E. Woodward, R. D. Gehrz, D. E. Harker, W. T. Reach, and D. H. Wooden, D. H., 2005, DPS 37.1612.

160a. "Astromineralogy of Solar System Comets from *Spitzer*," C. E. Woodward, M. S. Kelley, D. E. Harker, D. H. Wooden, W. T. Reach, R. D. Gehrz, R. D., and the *Spitzer* GO Comet Team, 2005, AAS Division of Planetary Sciences, 37.1616.

161a. "The Infrared Spectrum of RS Ophiuci," A. Evans, T. Kerr, Y. Matsuoka, Y. Tsuzuki, T. R. Geballe, R. D. Gehrz, C. E. Woodward, M. F. Bode, T. J. O'Brien, R. J. Davis, J. P. Osborne, K. L. Page, G. Schwarz, S. Starrfield, J.-U. Ness, J. Krautter, J. Drake, and S. P. S. Eyres 2006, IAU Circulars, No. 8682.

162a. "Chandra X-ray Observatory High Energy Transmission Grating and ACIS-S detector observations of RS Oph," J.-U. Ness, S. Starrfield, J. J. Drake, M. Orio, M. F. Bode, T. J. O'Brien, R. J. Davis, J. Osborne, K. L. Page, G. Schwarz, J. Krautter, A. Evans, S. P. S. Eyres, R. D. Gehrz and C. E. Woodward, 2006, IAU Circular No. 8683.

163a. “RS Ophiuchi,” J.-U. Ness, S. Starrfield, J. J. Drake, M. Orio, M. F. Bode, T. J. O'Brien, R. J. Davis, J. Osborne, K. L. Page, G. Schwarz, J. Krautter, A. Evans, S. P. S. Eyres, R. ; Gehrz, and C. E. Woodward, 2006, Central Bureau Electronic Telegrams, 415, 1.

164a. “RS Ophiuchi,” J.-U. Ness, S. Starrfield, J. J. Drake, M. Orio, R. Gonzalez-Riestra, M. F. Bode, T. J. O'Brien, R. J. Davis, J. P. Osborne, K. L. Page, A. Beardmore, M. Goad, G. Schwarz, J. Krautter, A. Evans, S. P. S. Eyres, R. Gehrz, C. Woodward, C. and N. A. Gehrels, 2006, Central Bureau Electronic Telegrams, 498, 1.

165a. “Mid-infrared Observations Of M31,” P. Barmby,M. L. Ashby, M. A. Pahre, S. P. Willner, J. P. Huchra, R. D. Gehrz, E. F. Polomski, C. E. Woodward, R. M. Humphreys, K. Gordon, J. L. Hinz, C. W. Engelbracht, P. G. Perez-Gonzalez, G. H. Rieke, L. Bianchi, and D. H. Thilker, 2006, BAAS, 208.1407.

166a. “RS Oph: A Recurrent Symbiotic Nova Explosion” S. Starrfield, J. Ness, J. Drake, J. Krautter, M. Orio, G. Schwarz, K. Vanlandingham, M. F. Bode, A. Evans, R. D. Gehrz, C. E. Woodward, T. J. O'Brien, N. Gehrels, J. P. Osborne, A. Beardmore, K. Page, H. E. Bond, S. P. S. Eyres, and R. Davis, 2006, BAAS, 208.0508.

167a. “*Spitzer* Spectroscopy of Giant HII Regions in M33 -- Evidence for Systematic Variations in the PAH and Dust Content,” W. H. Waller, E. J. Murphy, R. D. Gehrz, E. Polomski, C. E. Woodward, and the *Spitzer*/M33 Research Team, 2006, BAAS, 208.2106.

168a. “RS Ophiuchi,” J. U. Ness, S. Starrfield, J. J. Drake ,M.Orio, M. F. Bode, T. J. O'Brien, R. J. Davis, J. Osborne, K. L. Page, A. Beardmore, M. Goad University, G. Schwarz, J. Krautter, A. Evans, S. P. S. Eyres, R. Gehrz, R. and C. Woodward, 2006, Central Bureau Electronic Telegrams, 559, 1.

169a. “The Building of Galactic Disks: Insights from the Triangulum Spiral Galaxy Messier 33,” D. L. Block, I. Puerari, A. Stockton, G.Canalizo, K. C. Freeman, T. H. Jarrett, F. Combes, R. Groess, G. Worthey, R. D. Gehrz, C. E. Woodward, E. F. Polomski, G. G. Fazio, 2006, IAU Symposium, 235, 8.

170a. “Ground-based Optical and *Spitzer* Space Telescope Infrared Observations of Selected Comets,” J. Pittichova, C. E. Woodward, M. Kelley, D. Harker, D.Wooden, W. Reach, D. Osip, H. Campins, S. Lederer, R. Gehrz, M. Hanner, K. J. Meech, 2006, IAU Joint Discussion,10, 1.

171a. “A *Spitzer*/IRAC Census of the Asymptotic Giant Branch Populations in Local Group Dwarfs,” D. C. Jackson, E. D. Skillman, R. D. Gehrz, E. Polomski, E., and C. E. Woodward, 2006, BAAS, 209.16709.

172a. "*Spitzer* Observations of Supernova Remnant N49 in the LMC," T. Temim, C. E. Woodward, E. F. Polomski, and R. D. Gehrz, 2006, BAAS, 209.15613.

173a. "VY Canis Majoris: The Astrophysical Basis of Its Luminosity," R. D. Gehrz, R. M. Humphreys, R. M., and T. J. Jones, , 2006, BAAS, 209.10109.

174a. "The Photo-Dissociation Region Surrounding HR 5171AB," M. T. Schuster, M. Marengo, J. L. Hora, R. D. Gehrz, R. M. Humphreys, and G. Fazio, 2006, BAAS, 209.8420.

175a. "*Spitzer* Space Telescope and Visible/IR Spectrophotometry of V574 Pupis (Nova Pupis 2004)," R. J. Rudy, D. K. Lynch, S. M. Mazuk, C. C. Venturini, R. W. Russell, R. C. Puetter, R. B. Perry, C. E. Woodward, G. J. Schwarz, M. F. Bode, A. Evans, T. R. Geballe, R. D. Gehrz, M. A. Greenhouse, P. A. Hauschildt, L. A. Helton, J. E. Lyke, A. Salama, S. N. Shore, S. G. Starrfield, J. W. Truran, and R. M. Wagner, 2006, BAAS, 209.0906.

176a. "RS Ophiuchi," J.-U. Ness, S. G. Starrfield, J. J. Drake, M. F. Bode, T. J. O'Brien, R. J. Davis, J. Osborne, K. L. Page, A. Beardmore, M. Goad, G. Schwarz, J. Krautter, A. Evans,S. P. S. Eyres, R. Gonzalez, R. D. Gehrz, and C. E. Woodward, 2006, Central Bureau Electronic Telegrams, 639, 1.

177a. "Infrared Observations of Supernova Remnants: *Spitzer* and Beyond," T. Temim, C. E. Woodward, R. D. Gehrz, R. D., E. F. Polomski, L. Rudnick, and T. L. Roellig, 2007, BAAS, 210.1516.

178a. "Dust at Low-Metallicity: A *Spitzer* Survey of Local Group Dwarf Galaxies," D. C. Jackson, E. D. Skillman, J. M. Cannon, R. D. Gehrz, E. Polomski, C. E. Woodward, H. Lee, and T. Wyder, 2007, BAAS, .210.11405.

179a. "Investigating the Circumstellar Environments of the Cool Hypergiants," M. T. Schuster, M. Marengo, R. M. Humphreys, R. D. Gehrz, P. Hinz, W. Hoffmann, M. Kenworthy, J. L. Hora, and G. G. Fazio, 2007, BAAS, 211.6502.

180a. "A *Spitzer* Space Telescope Atlas of Omega Centauri: The Stellar Population, Mass Loss, and the Intracluster Medium," M. L. Boyer, I. McDonald, J. T. van Loon, C. E. Woodward, R. D. Gehrz, A. Evans, and A. K. Dupree, 2007, BAAS, 211.5807.

181a. "*Spitzer*, Swift and Ground-based Spectral Evolution of the Double Thermonuclear Runaway in Nova V2362 Cygni (Nova Cygni 2006)," D. K. Lynch, C. E. Woodward, R. D. Gehrz, L. A. Helton, R. J. Rudy, R. W. Russell, R. Pearson, C. C. Venturini, S. Mazuk, J. Rayner, J. Ness, S. Starrfield, R. M. Wagner, J. Osborne, K. Page, R. C. Puetter, R. B. Perry, G. Schwarz, K.Vanlandingham, J. Block, M. Bode, A. Evans, T. Geballe, M. Greenhouse, P. Hauschildt, J. Krautter, W. Liller, J. Lyke, J.; Truran, T. Kerr, S. P. S. Eyres, and S. N. Shore, 2007, BAAS, 211.5112.

182a. "XMM-Newton RGS observation of V2491 Cyg," 2008, J.-U. Ness, S. Starrfield, R. Gonzalez, E. Kuulkers, J. P. Osborne, K. Page, G. Schwarz, K. M. Vanlandingham, J. J. Drake, M. Hernanz, A. Evans, N. Gehrels, J. Krautter, R. D. Gehrz, C. Woodward, A. Tel., 1561.

183a. "Second XMM/RGS spectrum of V2491 Cyg," 2008, J.-U. Ness, S. Starrfield, R., Gonzalez, E. Kuulkers, J. P. Osborne, K. Page, G. Schwarz, K. M.Vanlandingham, J. J. Drake, M. Hernanz, G. Sala, A. Evans, N. Gehrels, P. Hauschildt, J. Krautter, R. D. , Gehrz, and C. E. Woodward, C. E., A. Tel., 1573.

184a. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," 2008, R. Gehrz, 37th COSPAR Scientific Assembly: Held 13-20 July 2008, in Montreal, Canada., COSP, 37, 993.

185a. "The Elusive Intracluster Medium in Globular Clusters," 2008, P. Barmby, M. Marengo, J. Th. van Loon, E. Polomski, G. G. Fazio, R. Gehrz, C. E. Charles E., and M. Martha 37th COSPAR Scientific Assembly: Held 13-20 July 2008, in Montreal, Canada., p.993, COSP, 37, 191.

186a. "Spitzer IRS Observations of "Mature" Novae," 2009, L. A. Helton, C. E. Woodward, A. Evans, R. D. Gehrz, D. L. Lynch, R. Rudy, G. J. Schwarz, K. Vanlandingham, and the Spitzer Nova Team, BAAS, 213.49102.

187a. "Trends in Triangulum: Evidence for Systematic Variations in the Nebular Content of M33's Massive Star-forming Regions," 2009, W. H. Waller, T. D. Weinbeck, M. Marengo, E. J. Murphy, B. A. Buckalew, R. D. Gehrz, and the Spitzer M33/HII Research Team, BAAS, 213.44304.

188a. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2009, 64th International Symposium On Molecular Spectroscopy}, abstract TH04, http://adsabs.harvard.edu/abs/2009mss..confETH04G

189a. 191a. "The Infrared Spectroscopy of Astrophysical Gas, Grains, and Ices with the Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2009, 64th International Symposium On Molecular Spectroscopy}, abstract TH05, http://adsabs.harvard.edu/abs/2009mss..confETH05G

190a. "Five Years in the Mid-infrared Evolution of the SN 1987A Supernova Remnant," E. Dwek, R. G. Arendt, P. Bouchet, D. N. Burrows, P. Challis, I. J. Danziger,J. M. De Buizer,R. D. Gehrz, S. Park, E. Polomski, and C. E. Woodward, 2010, BAAS, 41, 539.

191a. "Birth and Death in the M33 Galaxy," E. Polomski, R. D. Gehrz, C. E. Woodward, and K. McQuinn, 2010, BAAS, 41, 365.

192a. "Spatially Resolved PAH Emission in Nearby, Low-Metallicity Galaxies," K. Haynes, J. Cannon, E. D. Skillman, D. Jackson, and R. Gehrz, 2010, BAAS, 41,482.

193a. "Variable strong X-ray emission lines in U Sco," J. -U. Ness, B. Schaefer, J. J. Drake, J. P. Osborne, K. L. Page, A. Beardmore, G. Schwarz, R. Gonzalez, E. Kuulkers, M. F. Bode, S. Starrfield, J. Krautter, N. Gehrels, C. E. Woodward, R. D. Gehrz, S. P. S. Eyres, A. Evans, M. Hernanz, and S. Balman, S., 2010 , The Astronomer's Telegram, #2469.

194a. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2010, 65th International Symposium On Molecular Spectroscopy}, abstract TH04, http://adsabs.harvard.edu/abs/2010mss..confERF09G

195a. "Infrared Spectroscopic Studies of the Physics and Chemistry of Stellar Evolution with the Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2010, 65th International Symposium On Molecular Spectroscopy, abstract TH04, http://adsabs.harvard.edu/abs/2010mss..confERF10G

196a. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E Becklin, 2011, 66th International Symposium On Molecular Spectroscopy, Ohio State University, http://adsabs.harvard.edu/abs/2011mss..confERF04G

197a. "Infrared Spectroscopic Studies with the Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E Becklin, 2011, 66th International Symposium On Molecular Spectroscopy, Ohio State University, http://adsabs.harvard.edu/abs/2011mss..confERF05G

198a. "Properties and Spatial Distribution of Dust Emission in the Crab Nebula," T. Temim, G. Sonneborn, E. Dwek, R. G. Arendt, R. D. Gehrz, and P. O. Slane, 2011, BAAS, 218.127.16

199a. "Presolar Grains from Novae: Evidence from Helium and Neon Isotopes in Interplanetary Dust Particles (IDPs) from Comet Dust Stream Collections," R. O. Pepin, R. Palma, R. D. Gehrz, and S. Starrfield, 2011, Lunar and Planetary Institute Science Conference Abstracts, 42, 1477.

200a. "A Complete Census of Dusty Evolved Stars in Local Group Dwarf Galaxies with Spitzer: Description and First Results," M. L. Boyer, P.Barmby, A. Z. Bonanos, R. D. Gehrz, K. D. Gordon, M. A. T. Groenewegen, E. Lagadec, D. J. Lennon, M. Marengo, K. McQuinn, M. Meixner, E. D. Skillman, G. C. Sloan, T. J. van Loon, J. T., and A. A. Zijlstra, 2012, BAAS,219.244.16

♯ 201a. "Molecular Spectroscopy with the Stratospheric Observatory for Infrared Astronomy (SOFIA)," invited review at the Analytix 2012 Technical Conference and EXPO, March 24, 2012, Beijing International Conference Center (BICC), Beijing, China.

202a. "A Marvelous Star in M33," E. Polomski, R. D. Gehrz, K. McQuinn, F. Paffel, and C. E. Woodward, 2012, BAAS, 22043003

203a. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E Becklin, 2012, 67th International Symposium On Molecular Spectroscopy, Ohio State http://adsabs.harvard.edu/abs/2012mss..confERF01G

204a. "Infrared Spectroscopic Studies with the Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz, E. E Becklin, and G. Sandell, 2012, 678th International Symposium On Molecular Spectroscopy, Ohio State University, http://adsabs.harvard.edu/abs/2012mss..confERF02G

205a. "Visual and Near-IR Photometry of Nova Del 2013", R. D. Gehrz, D. A. Dykhoff, and D. P. Shenoy, D. P., 2013, ATEL 5299.

206a. "Near-IR Photometry of Nova Del 2013", A. C. Cass, R. L. Carlon, D. T. Corgan, D. A. Dykhoff, R. D. Gehrz, and D. P. Shenoy, 2013, ATEL 5317.

207a. "Near Infrared Photometry of Nova Del 2013", A. C. Cass, R. L. Carlon, D. T. Corgan, D. A. Dykhoff, R. D. Gehrz, and D. P. Shenoy, 2013, ATEL 5340.

208a. "Near Infrared Photometry of Nova Del 2013", A. C. Cass, R. L. Carlon, D. T. Corgan, D. A. Dykhoff, R. D. Gehrz, and D. P. Shenoy, 2013, ATEL 5419.

209a. "L-Band Measurement of Nova Del 2013 Consistent with Presence of Dust", A. C. Cass, R. L. Carlon, D. T. Corgan, D. A. Dykhoff, R. D. Gehrz, and D. P. Shenoy, 2013, ATEL 5434.

210a. "2.3-11.6 Micron Measurements of Nova Del 2013 Consistent with Presence of Dust", A. C. Cass, R. L. Carlon, D. T. Corgan, D. A. Dykhoff, R. D. Gehrz, and D. P. Shenoy, 2013, ATEL, 5604.

211a. "Discovery of Extreme AGB Stars in the Dwarf Galaxies of the Local Group: First Results from the DUST In Nearby Galaxies with Spitzer (DUSTINGS) program", M. L. Boyer, K. B. McQuinn, P. Barmby, A. Z. Bonanos, R. D. Gehrz, K. D. Gordon, M. Groenewegen, E. Lagadec, D. Lennon, M. Marengo, M. Meixner, E. D. Skillman, G. C. Sloan, G. Sonneborn, J. T. van Loon, AND A. Zijlstra, A., 2014, AAS Meeting Abstracts, 223, 355.07

♯212a. "Comet C/2012 S1 (ISON): Observations of the Dust Grains from SOFIA and of the Atomic Gas from NSO Dunn and McMath-Pierce Solar Telescopes (Invited)", D. H. Wooden, C. E. Woodward, D. E. Harker, M. S. Kelley, M. Sitko, W. T. Reach, I. De Pater, R. D. Gehrz, L. Kolokolova, A. L. Cochran, A. J. McKay, K. Reardon, G. Cauzzi, G. Tozzi, D. J. Christian, D. B. Jess, M. Mathioudakis, C. M. Lisse, J. P. Morgenthaler, and M. M. Knight, 2013, AGU Fall Meeting Abstracts, P24A -07.

213a. "SPIRITS Discoveries of Infrared Transients with Spitzer", M. M. Kasliwal, S. Tinyanont, J. Jencson, Y. Cao, D. Perley, D. O'Sullivan, T. Prince, F. Masci, G. Helou, L. Armus, J. Surace, A. Cody, S. van Dyk, H. Bond, J. Bally, E. Levesque, R. Williams, P. A. Whitelock, S. Mohamed, R. Gehrz, D. Shenoy, R. Carlon, D. Corgan, D. Dykhoff, N. Smith, M. Cantiello, N. Langer, E. Ofek, M. Parthasarathy, M. Phillips, E. Hsiao, N. Morrell, C. Gonzalez, and C. Contreras, 2014, ATEL #6644.

214a. "Mass Loss from Hypergiant Stars: Searching for Cool Dust in the Near-to-Mid IR", D. Shenoy, R. M. Humphreys, T. J. Jones, M. Marengo, R. D. Gehrz, and L. A. Helton, 2015, American Astronomical Society Meeting Abstracts, 225, 344.09.

215a. "DUSTiNGS Reveals Dust Production in Very Metal Poor Galaxies:M. L. Boyer, K. B. McQuinn, P. Barmby, A. Z. Bonanos, R. D. Gehrz, K. D. Gordon, M. A. T. Groenewegen,E. Lagadec, D. J. Lennon, M. Marengo,I. McDonald, M. Meixner, E. D. Skillman, G. C. Sloan, G. Sonneborn, J. Th. van Loon, and A. Zijlstra, 2015 American Astronomical Society Meeting Abstracts, 225, 342.24.

216a. "The Radial Distribution of Asymptotic Giant Branch Stars in Nearby Dwarf Galaxies" M. B. Mitchell, K. B. McQuinn, M. L. Boyer, E. D. Skillman, R. D. Gehrz, G. Sloan, I. McDonald, and M.Groenewegen, 2015, American Astronomical Society Meeting Abstracts, 225, 342.20.

Additional Conference Proceedings and Other Publications by Robert D. Gehrz
(‡ invited review or paper)

1b. Review of "Introductory Astronomy," by N.A. Pananides, 1974, Sky and Telescope, 47, 184.

2b. Review of "Astronomy" by F.M. Branley, M.R. Chartrand, III, and H.K. Wimmer, 1976, Sky and Telescope, 52, 54.

3b. Review of "Infrared Astronomy," edited by G. Setti and G. Fazio, 1980, Sky and Telescope, 59, 507.

4b. "Infrared Studies of AFGL Sources," R. D. Gehrz, J. A. Hackwell, and G. L. Grasdalen,1980, Final Report, Sep. 1976 - Sep. 1979 Wyoming Univ., Laramie. Dept. of Physics and Astronomy.

5b. Review of "In Quest of Telescopes," by M. Cohen, 1982, Sky and Telescope, 63, 47.

6b. "Report of the Astronomy Survey Committee: Astronomy and Astrophysics for the 1980's," G.B. Field, et al., three volumes published during 1982- 83, National Academy of Sciences Press: Washington, D.C.

7b. "The Report of the NNTT Scientific Advisory Committee, editor, R.D. Gehrz, 1984, National Optical Astronomy Observatories Advanced Development Program Report.

8b. Review of "Galactic and Extragalactic Infrared Spectroscopy," edited by M.F. Kessler and J.P. Phillips, 1985, American Scientist, 73, 75.

9b. "Study of Comets at Wavelengths Between 0.5 and 18 Microns," E. P. Ney, and R. D. Gehrz, 1986, in NASA, Washington Reports of Planetary Astronomy, 1985 p 114-117 (SEE N87-12407 03-89).

10b. "Observations and Simulations of Recurrent Novae: U Sco and V394 CrA," S. Starrfield, G. Sonneborn, W. M. Sparks, G. Shaviv, R. E. Williams, S. Heathcote, G. Ferland, R. D. Gehrz, E. P. Ney, S. Kenyon, J. W. Truran, and C.-C. Wu, 1988, in *A Decade of UV Astronomy with the IUE Satellite*, ed. E. Rolfe, ESA SP-281, ESTEC Press: Noordwick, pp. 167-170.

11b. "Observations of Classical Novae in Outburst," S. Starrfield, L. L. Stryker, G. Sonneborn, W. M. Sparks, R. M. Wagner, R. E. Williams, G. Ferland, R. D. Gehrz, E. P. Ney, S. Kenyon, R. Wade, J. W. Truran, and C.-C. Wu, 1988, in *A Decade of UV Astronomy with the IUE Satellite*, ed. E. Rolfe, ESA SP-281, ESTEC Press: Noordwick, pp. 159-161.

12b. "Observations and Simulations of Nova Vul 1984 #2: A Nova with Ejecta Rich in Oxygen, Neon and Magnesium," S. Starrfield, G. Sonneborn, L. L. Stryker, W. M. Sparks, J. W. Truran, G. Ferland, R. M. Wagner, J. S. Gallagher, R. Wade, R. E. Williams, R. D. Gerhz, E. P. Ney, S. Kenyon, G. Shaviv, and C.-C. Wu, 1988, in *A Decade of UV Astronomy with the IUE Satellite*, ed. E. Rolfe, ESA SP-281, ESTEC Press: Noordwick, pp. 163-166.

13b. "Ultraviolet Observations of LMC Nova 1988," S. Starrfield, L. L. Stryker, G. Sonneborn, W. M. Sparks, E. M. Sion, R. M. Wagner, G. Ferland, J. S. Gallagher, R. Wade, R. E. Williams, S. Heathcote, R. D. Gehrz, E. P. Ney, S. Kenyon, G. Shaviv, R. Wehrse, P. Hauschildt, J. R. Truran, and C.-C. Wu, 1988, in *A Decade of UV Astronomy with the IUE Satellite*, ed. E. Rolfe, ESA SP-281, ESTEC Press: Noordwick, pp. 175-177.

14b. "Optical and Ultraviolet Observations of Nova Vul 1987," S. Starrfield, L. L. Stryker, G. Sonneborn, W. M. Sparks, R. M. Wagner, G. Ferland, J. S. Gallagher, R. Wade, R. E. Williams, R. D. Gehrz, E. P. Ney, S. Kenyon, J. W. Truran, and C.-C. Wu, 1988, in *A Decade of UV Astronomy with the IUE Satellite*, ed. E. Rolfe, ESA SP-281, ESTEC Press: Noordwick, pp. 171-173.

15b. "Photometry of Variable AFGL Sources," T. J. Jones, C. O. Bryja, R. D. Gehrz, T. E. Harrison, J. J. Johnson, D. I. Klebe, and G. Lawrence, 1989, Final Report, 1 Oct. 1986 - 30 Sep. 1989 Minnesota Univ., Minneapolis. Dept. of Astronomy.

16b. "Late Stages in the Evolution of Classical Novae," S. Starrfield, J. Krautter. G. Sonneborn, R. M. Wagner, S. Austin, P. Saizar, G. Ferland, R. Wade, R. D. Gehrz, J. W. Truran, W. M. Sparks, G. Shaviv, and R. E. Williams, 1990, in *International Conference on Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions*, ed. E. J. Rolf, European Space Agency publication ESA-SP-310: Paris, pp. 451-455.

17b. "PW Vul: A Classical Nova with Nearly Solar Abundances," P. Saizar, S. Starrfield, S. Austin, J. G. Ferland, R. M. Wagner, J. W. Truran, G. Sonneborn, S. J. Kenyon, W. M. Sparks, R. E. Williams, R. Wade, and R. D. Gehrz, 1990, in *International Conference on Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions*, ed. E. J. Rolf, European Space Agency publication ESA-SP-310: Paris, pp. 435-438.

18b. "Infrared Astronomy," F. C. Gillett, J. R. Houck, J. Bally, E. E. Becklin, R. H Brown, B. Draine, J. Frogel, I. Gatley, R. D. Gehrz, and R. Hildebrand, 1991, in the National Academy of Sciences/National Research Council, Working Papers: Astronomy and Astrophysics Panel Reports 21 p (SEE N91-33017 24-89).

19b. "Edward Purdy Ney, 1920-1996," R. D. Gehrz and T. W. Jones,1996, B.A.A.S., 28, 1458.

20b. "Observations of Targets of Opportunity with SIRTF," C. E. Woodward, and R. D. Gehrz, 1997, SIRTF Community Task Force White Paper Series, The SIRTF Home page, http://sirtf.caltech.edu/Observing/Community/ToO.html..

21b. "Edward Purdy Ney," R. D. Gehrz, T. W. Jones, F. M. McDonald, and J. E. Naugle, 1997, Physics Today, 50, 86

22b. "Edward Purdy Ney, 1920-1996," R. D. Gehrz, F. B. McDonald, and J. E. Naugle, 1999, "National Academy of Sciences Biographical Memoirs," 76, 3.

♯23b. "Infrared Observations of Comets with SIRTF," delivered at the conference entitled "The Solar System and Circumstellar Dust Disks: Prospects for SIRTF," San Juan Capistrano, CA, 1999 August 18-20, published in a special NASA report, 2000, http://sirtf.caltech.edu/SciUser/A_GenInfo/SSC_A3_SIRTF_meets.html.

24b. "Science Opportunities with SIRTF," R. D. Gehrz, 2000, in "ISO beyond the peaks: The 2nd ISO workshop on analytical spectroscopy," eds. A. Salama, M.F.Kessler, K. Leech & B. Schulz. ESA-SP 456, p353.

♯25b. "Infrared Observations of the Contributions of Galactic Novae to the ISM," R. D. Gehrz, 2002, delivered at "The Second Chicago Conference on Thermonuclear Astrophysical Explosions," available in pre-print form.

♯26b. "Eta Carinae: Thermal Infrared Observations of Dust," Robert D. Gehrz, 2002, presented at The Eta Carina Workshop, 10-13 July 2002, Mt. Rainier WA: http://www.astro.washington.edu/balick/eta_conf/papers/gehrz.ETA_CAR_2.2.pdf

27b. "*Spitzer* imagery of embedded ultra-young star clusters in M33," B. Buckalew, H. Kobulnicky, R. D. Gehrz, C. E. Woodward, M, Ashby, P. Barmby, B. Brandl, N. Devereux, C. Engelbracht, G. Fazio, K. Gordon, J. Hinz, R. Humphreys, K. Misselt, M. Pahre, P. Pérez-González, E. Polomski, G. Rieke, T. Roellig, J. van Loon, and S. Willner, 2005, in "Starbursts: From 30 Doradus to Lyman Break Galaxies," eds. R. de Grijs and R.M. González-Delgado., Astrophysics & Space Science Library, Vol. 329, Dordrecht: Springer, p.P8.

28b. "SOFIA Observations of Stellar Occultations, Extra-solar Planets, Asteroids, and Comets," 2008, R. D. Gehrz , E. E. Becklin , I. de Pater , E. W. Dunham , C. E. Woodward , and M. S. Kelley, EPSC Abstracts, Vol. 3.

29b. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," 2008, R. D. Gehrz and E. E. Becklin, Proceedings of the International Conference on Space Optics, Toulouse, France.

30b. "Training of Instrumentalists and Development of New Technologies on SOFIA," E. F.Erikson et al., 2010, in "Astro2010: The Astronomy and Astrophysics Decadal Survey, Position Papers," Paper Number 13.

31b. "Developing Future Generations of Instrument Builders," J. Elias, M. Bershady, B. Blum, G. Cecil, L. Close, D. DePoy, C. Froning, B. Gehrz, R. Joyce, P. Martini,I. McLean, C. Packham, E. Persson, J. Pipher, R. Probst, M. Richter, D. Sprayberry, M. Strauss, C. Telesco, and A. Tokunaga, 2010, in "Astro2010: The Astronomy and Astrophysics Decadal Survey, Position Papers," Paper Number 12.

32b. "The Stratospheric Observatory for Infrared Astronomy (SOFIA)," R. D. Gehrz and E. E. Becklin, 2011, in "Proceedings of the 21st International Symposium on Space Terahertz Technology, http://www.physics.ox.ac.uk/stt2010/files/ISSTT2010_proceedings_S1.pdf , pp 23-25.

33b. "Observations of Exoplanets with the Stratospheric Observatory for Infrared Astronomy SOFIA)," R. D. Gehrz, proceedings of "In the Spirit of Lyot 2010: Direct Detection of Exoplanets and Circumstellar Disks," Proceedings of the conference In the Spirit of Lyot 2010: Direct Detection of Exoplanets and Circumstellar Disks. October 25 - 29, 2010, 2011, Ed.Anthony Boccaletti, University of Paris Diderot, Paris, France, http://lyot2010.lesia.obspm.fr/sites/lyot2010/IMG/pdf/Lyot2010proc_s7_talk_GehrzR.pdf

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Christopher Mason, 1999-2000
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