

- Awards and Fellowships** Myers Faculty Fellowship, Dartmouth College (2003 – 2004)
 Cheheyl Fellowship for the Application of Technology in Teaching and in Learning, Dartmouth College (2002)
 Junior Faculty Fellowship, Dartmouth College (2001)
 Cottrell Scholar, Research Corporation (2001 – 2006)
 5th most cited paper in Astronomy published in 1998, Sciencewatch (2000)
 Dirk Brouwer Prize in Astronomy, Yale University (1995)
 Garfinkel Prize, Yale University (1989)
 Carl Reinhardt Fellowship, Queen’s University (1988 – 89)
 Natural Sciences and Engineering Research Council of Canada Postgraduate Scholarship, Queen’s University (1987 – 89)
 Sunil K. Sen Scholarship in Physics, University of Manitoba (1987)
- Grants** NASA SIM Science Team \$1,672,201 (2001 – 2009)
 Hubble Space Telescope Guest Observer Grant \$66,498 (2006 – 2008)
 NSF Collaborative Research Grant \$97,384 (2003 – 2008)
 NSF CAREER Award \$254,985 (2001 – 2006)
 NASA LTSA Grant \$311,884 (2000 – 2006)
 NSF MRI Grant (co-I) \$208,174 (2000 – 2002)
 NSF Division of Undergraduate Education Grant \$40,060 (1999 – 2002)
 Hubble Space Telescope Guest Observer Grants, STScI (1996; 1999)
- Talks** Invited review talks presented at 18 international scientific meetings
 Contributed talks presented at 14 scientific conferences
 Fifty-eight invited colloquium/seminar talks given at 47 different institutions in North America and Europe
 Public lectures presented at Steward Observatory, Montshire Museum of Science & the Quechee Public Library
- Professional Contributions** **Scientific Editor, The Astrophysical Journal** (2004 – present)
 Southern African Large Telescope Science Working Group member (2001 – present)
 NASA/NSF review panel member/chair (1999, 2001, 2002, 2003, 2007, 2008)
 Hubble Space Telescope review panel member (1998; 2006)
 Board of Directors, Dartmouth-Montshire Institute for Science Education (2003 – present)
 Board of Directors, Northeast Radio Observatory Corporation (2002 – present)
 Referee for ApJL, ApJ, AJ, MNRAS, Nature, and A&A
 WISP Sponsor, Dartmouth College (2000, 2001, 2003, 2005, 2006, 2007)
- Students** Senior Thesis: Wilson Liu (2000), Zosia Krusberg (2004)
 MSc: Steven Bjork (2003); Zosia Krusberg (2005); Matt Lewis (2006)
 PhD: Aaron Dotter (2007), Nathaniel Paust (2006)
 Current PhD: Andrea Kunder

Bibliography

Refereed Publications

1. 'The Extinction Toward the Galactic Bulge from RR Lyrae Stars' Kunder, A., Popowski, P., Cook, K.H., & **Brian Chaboyer** 2008, *Astronomical Journal*, 135, 631
2. 'The ACS Survey of Globular Clusters. V. Generating a Comprehensive Star Catalog for each Cluster' Anderson, J., . . . , **Brian Chaboyer**, et al. (13 authors), 2008, *The Astronomical Journal*, 135, 2055
3. 'Taking the Measure of the Universe: Precision Astrometry with SIM PlanetQuest' Unwin, S.C., . . . , **Brian Chaboyer** et al. (36 authors) 2008, *Publications of the Astronomical Society of the Pacific*, 120, 38
4. 'The ACS Survey of Galactic Globular Clusters. III. The Double Subgiant Branch of NGC 1851' Milone, A.P., . . . , **Brian Chaboyer** et al. (16 authors) 2008, *Astrophysical Journal*, 673, 241
5. 'Discovery of a Jupiter/Saturn Analog with Gravitational Microlensing' Gaudi, B.S., . . . , **Brian Chaboyer** et al. (69 authors) 2008, *Science*, 319, 927
6. 'The ACS Survey of Galactic Globular Clusters: M54 and Young Populations in the Sagittarius Dwarf Spheroidal Galaxy' Siegel, M.H., . . . , **Brian Chaboyer** et al. (14 authors) 2007, *Astrophysical Journal*, 667, L57
7. 'Stellar Population Models and Individual Element Abundances. I. Sensitivity of Stellar Evolution Models', Dotter, A., **Brian Chaboyer**, Ferguson, J.W., Lee, H.-c., Worthey, G., Jevremović, D., Baron, E. 2007, *Astrophysical Journal*, 666, 403-412.
8. 'The ACS Survey of Galactic Globular Clusters. II. Stellar Evolution Tracks, Isochrones, Luminosity Functions, and Synthetic Horizontal-Branch Models', Dotter, A., **Brian Chaboyer**, Jevremović, D., Baron, E., Ferguson, J.W., Sarajedini, A., Anderson, J. 2007, *Astronomical Journal*, 134, 376-390.
9. 'BVI Photometry and the Luminosity Function of the Globular Cluster M92' Paust, N. E. Q., **Brian Chaboyer** & Sarajedini, A. 2007, *The Astronomical Journal*, 133, 2787
10. 'The ACS Survey of Galactic Globular Clusters. I. Overview and Clusters Without Previous HST Photometry' Sarajedini, A., Bedin, L. **Brian Chaboyer**, & 9 colleagues 2007, *Astronomical Journal*, 133, 1658
11. 'The Effect of Cluster Environment on Galaxy Evolution in the Pegasus I Cluster' Levy, L., Rose, J.A., van Gorkom, J.H. & **Brian Chaboyer** 2007, *Astronomical Journal*, 133, 1104
12. 'A New Color-Magnitude Diagram for Palomar 11.' Lewis, M.S., Liu, W.M., Paust, N.E.Q. & **Brian Chaboyer** 2006, *Astronomical Journal*, 131, 2538-2542.

13. 'Theoretical Uncertainties in Red Giant Branch Evolution: The Red Giant Branch Bump' Bjork, S.R. & **Brian Chaboyer** 2006, *Astrophysical Journal* 641, 1102-1112.
14. 'From Canonical to Enhanced Extra Mixing in Low-Mass Red Giants: Tidally Locked Binaries' Denissenkov, P.A., **Brian Chaboyer** & Li, K. 2006, *Astrophysical Journal* 641, 1087-1101.
15. 'UBVI CCD Photometry of the Old Open Cluster Berkeley 17' Z. A. C. Krusberg and **Brian Chaboyer** 2006, *Astronomical Journal*, 131, 1565.
16. 'The Young Open Cluster NGC 2129' G. Carraro, **Brian Chaboyer** & J. Perencevich 2006, *Monthly Notices of the Royal Astronomical Society*, 365, 867.
17. 'Stellar Pollution and [Fe/H] in the Hyades' A. Dotter & **Brian Chaboyer**, 2003, *Astrophysical Journal Letters*, 596, L101
18. 'The Impact of Pollution on Stellar Evolution Models' A. Dotter & **Brian Chaboyer**, 2003, *Astrophysical Journal*, 596, 496
19. 'Age Estimates of Globular Clusters in the Milky Way: Constraints on Cosmology' L.M. Krauss & **Brian Chaboyer** (2003), *Science*, 299, 65
20. 'Theoretical Uncertainties in the Subgiant–Mass Age relation and the Absolute Age of ω Cen' **Brian Chaboyer** & L.M. Krauss (2002), *The Astrophysical Journal Letters*, **567**, L45 – L48.
21. 'Are Stars with Planets Polluted?' N. Murray and **Brian Chaboyer** (2002), *The Astrophysical Journal*, **566**, 442 – 451.
22. 'Heavy Element Diffusion in Metal Poor Stars' **Brian Chaboyer**, W.H. Fenton, Jenica E. Nelan, D.J. Patnaude and Francesca E. Simon (2001), *The Astrophysical Journal*, **562**, 521 – 527
23. 'CCD Photometry of the Classic Second Parameter Globular Clusters M3 AND M13' S.-C. Rey, S.-J. Yoon, Y.-W. Lee, **Brian Chaboyer** and A. Sarajedini (2001), *The Astronomical Journal*, **122**, 3219 – 3230.
24. 'Stellar Pollution in the Solar Neighborhood', N. Murray **Brian Chaboyer**, P. Arras, B. Hansen and R.W. Noyes (2001), *The Astrophysical Journal*, **555**, 801 – 815.
25. 'Starbursts versus Truncated Star Formation in Nearby Clusters of Galaxies' J.A. Rose, A.E. Gaba, N. Caldwell & **Brian Chaboyer** (2001), *The Astronomical Journal*, **121**, 793 – 807.
26. 'The Age of the Inner Halo Globular Cluster NGC 6652', **Brian Chaboyer**, A. Sarajedini & T. Armandroff (2000), *The Astronomical Journal*, **120**, 3102 – 3110.
27. 'The Relative Age of the Thin and Thick Galactic Disks', W.M. Liu & **Brian Chaboyer** (2000), *The Astrophysical Journal*, **544**, 818 – 829.

28. 'The Age, Extinction and Distance of the Old, Metal-Rich Open Cluster NGC 6791', **Brian Chaboyer**, E.M. Green & J. Liebert (1999), *Astronomical Journal*, **117**, 1360 - 1374.
29. 'The Pulsation Properties of Procyon A', **Brian Chaboyer**, P. Demarque & D.B. Guenther (1999), *The Astrophysical Journal Letters*, **525**, L41 – L44.
30. 'Globular Cluster Distance Determinations', **Brian Chaboyer** (1999), in *Post-Hipparcos Cosmic Candles*, ed. A. Heck & F. Caputo (Dordrecht: Kluwer), 111 – 124 (invited review chapter).
31. 'The Age of the Universe', **Brian Chaboyer** (1998) *Physics Reports*, **307**, 23 – 30.
32. 'The Age Of Globular Clusters In Light Of Hipparcos: Resolving the Age Problem?', **Brian Chaboyer**, P. Demarque, P.J. Kernan, & L.M. Krauss (1998), *The Astrophysical Journal*, **494**, 96 – 110.
33. 'The Relative Ages of Galactic Globular Clusters', A. Sarajedini, **Brian Chaboyer** & P. Demarque (1997), *Publications of the Astronomical Society of the Pacific*, **109**, 1321 – 1339 (invited review).
34. 'An Accurate Relative Age Estimator for Globular Clusters', **Brian Chaboyer**, P. Demarque, P.J. Kernan, L.M. Krauss and A. Sarajedini (1996), *Monthly Notices of the Royal Astronomical Society*, **283**, 683 – 689.
35. 'A Lower Limit on the Age of the Universe', **Brian Chaboyer**, P. Demarque, P.J. Kernan, & L.M. Krauss (1996), *Science*, **271**, 957 – 961.
36. 'Globular Cluster Ages and the Formation of the Galactic Halo', **Brian Chaboyer**, P. Demarque & A. Sarajedini (1996), *The Astrophysical Journal*, **459**, 558 – 569.
37. 'Star Formation and Chemical Evolution in Damped Ly α Clouds', R.A. Malaney & **Brian Chaboyer** (1996), *The Astrophysical Journal* **462**, 57 – 67.
38. 'The Current State of Solar Modeling', J. Christensen-Dalsgaard, W. Dappen, ... **Brian Chaboyer**, *et al.* (33 authors, GONG modeling team) (1996), *Science*, **272**, 1286 – 1292.
39. 'The Seismic Structure of the Sun', D.O. Gough, A. Kosovichev, ... **Brian Chaboyer**, *et al.* (26 authors, GONG inversions team) (1996), *Science*, **272**, 1296 – 1300.
40. 'BVRI Light Curves for 29 Type IA Supernovae' M. Hamuy, ... **Brian Chaboyer** *et al.* (81 authors) (1996) *Astronomical Journal* **112**, 2408 – 2437.
41. 'The OPAL Equation of State and Low Metallicity Isochrones', **Brian Chaboyer** & Yong–Cheol Kim (1995), *The Astrophysical Journal*, 454, 767 – 773.
42. 'The Evolution of Lithium Abundances of Solar-type Stars: V. K Dwarfs in the Hyades', D.R. Soderblom, B.F. Jones, J.R. Stauffer, & **Brian Chaboyer** (1995), *The Astronomical Journal*, **110**, 729 – 732.

43. 'Absolute Ages of Globular Clusters and the Age of the Universe', **Brian Chaboyer** (1995), *The Astrophysical Journal Letters*, **444**, L9 – L12.
44. 'Rotation, Diffusion and Overshoot in the Sun: Effects on the Oscillation Frequencies and the Neutrino Flux', **Brian Chaboyer**, P. Demarque, D.B. Guenther & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **446**, 435 – 444.
45. 'Stellar Models with Microscopic Diffusion and Rotational Mixing I: Application to the Sun', **Brian Chaboyer**, P. Demarque & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **441**, 865 – 875.
46. 'Stellar Models with Microscopic Diffusion and Rotational Mixing II: Application to Open Clusters', **Brian Chaboyer**, P. Demarque & M.H. Pinsonneault (1995), *The Astrophysical Journal*, **441**, 876 – 885.
47. 'A Supergiant Supernova-blown Bubble in the Spiral Galaxy NGC 1620', J.P. Vader & **Brian Chaboyer** (1995), *The Astrophysical Journal*, **445**, 691 – 699.
48. 'The Primordial Abundance of ${}^6\text{Li}$ and ${}^9\text{Be}$ ', **Brian Chaboyer** (1994), *The Astrophysical Journal Letters*, **432**, L47 – L50.
49. ' ${}^7\text{Li}$ Abundances in Halo Stars: Testing Stellar Evolution Models and the Primordial ${}^7\text{Li}$ Abundance', **Brian Chaboyer** & P. Demarque (1994), *The Astrophysical Journal*, **433**, 510 – 519.
50. 'The RSA Survey of Dwarf Galaxies I. Optical Photometry', J.P. Vader & **Brian Chaboyer** (1994), *The Astronomical Journal*, **108**, 1209 – 1243.
51. 'The 1990 Calan/Tololo Supernova Search', M. Hamuy, ... **Brian Chaboyer**, *et al.* (32 authors) (1993), *The Astronomical Journal*, **106**, 2392 - 2407.
52. 'Ages of Globular Clusters and Helium Diffusion', **Brian Chaboyer**, A. Sarajedini & P. Demarque (1992), *The Astrophysical Journal*, **394**, 515 – 522.
53. 'The Effect of Helium Diffusion on the Ages of Globular Clusters', **Brian Chaboyer**, C.P. Deliyannis, P. Demarque, M.H. Pinsonneault & A. Sarajedini (1992), *The Astrophysical Journal*, **388**, 372 – 382.
54. 'Effect of Horizontal Turbulent Diffusion on the Transport by Meridional Circulation', **Brian Chaboyer** & Jean-Paul Zahn (1992), *Astronomy and Astrophysics*, **253**, 173 – 177.
55. 'Low Luminosity Companions of Early-Type Galaxies', J.P. Vader & **Brian Chaboyer** (1992), *Publications of the Astronomical Society of the Pacific*, **104**, 57 – 61.
56. 'Peculiar Morphologies of Four IRAS Galaxies', **Brian Chaboyer** & J.P. Vader (1991), *Publications of the Astronomical Society of the Pacific*, **103**, 35 – 48.
57. 'Turbulent Magnetic Fields I', **Brian Chaboyer** & R.N. Henriksen (1990), *Astronomy and Astrophysics*, **236**, 275 – 288.
58. 'Gravitational Radiation Observations with an Orbital Ring Laser Gyroscope' **Brian Chaboyer** & R.N. Henriksen (1988), *Physics Letters A*, **132**, 391 – 398.

Popular Articles

1. ‘Rip Van Twinkle: The oldest stars have been growing younger’ **Brian Chaboyer**, (2001) *Scientific American*, **284**, 38 – 45.

Conference Talks

1. ‘Distances and Ages of Globular Clusters’ 2007, presented at *International Astronomical Union Symposium 248: A Giant Step from Milli- to Micro-arcsecond Astrometry*, (Shanghai, China)
2. ‘Ages of Old Star Clusters’ (2006) presented at *Cool Stars XIV* (Pasadena, California; invited review).
3. ‘M Dwarfs’ (2006) presented at *Stars to Halos: The Scale Challenge* (Kingston, Ontario; invited review).
4. ‘Effects of Microscopic Diffusion on Stellar Evolution’ (2006) presented at *Solar/Stellar Models and Seismic Analysis Tools* (Porto, Portugal; invited review), EAS Publication Series, 26, 17 – 23.
5. ‘RR Lyrae Stars in the Bulge, LMC and Sgr Dwarf Galaxy’ (2006) presented at *Deconstructing the Local Group: Dissecting Galaxy Formation in our Own Backyard* (Aspen, Colorado).
6. ‘M Dwarf Stellar Models’ (2006) presented at *Cool Stars XIV* (Pasadena, California).
7. ‘Diffusion in the Yale/Dartmouth Stellar Evolution Code’ presented at *Solar/Stellar Models and Seismic Analysis Tools* (Porto, Portugal).
8. ‘The MACHO Bulge RR0 Lyrae Stars’ **Brian Chaboyer** (2005) presented at *Stellar Pulsation and Evolution* (Monte Porzio Catone, Italy).
9. ‘Testing Stellar Evolution Models of Metal-Poor Stars’ **Brian Chaboyer** (2004) in *Stellar Astrophysics with the World’s Largest Telescopes*, ed. J. Mikolajewska & A. Olech (American Institute of Physics: New York), 154.
10. ‘Old Stars and the Age of the Universe’ **Brian Chaboyer** (2003) in *The Cosmological Model*, ed. Y. Giraud-Héraud, C. Magneville & J.T. Thanh Vân (Thê Giói Publishers: Vietnam), 37 – 40 (invited review).
11. ‘Ages of Elliptical Galaxies from New Stellar Population Models’ **Brian Chaboyer** (2003) at *The First Robert Stobie Memorial SALT Workshop* Cape Town, South Africa
12. ‘Globular Cluster Age Dating’ **Brian Chaboyer** (2001) in *Astrophysical Ages and Time Scales*, ed. T. von Hippel, C. Simpson & N. Manset (Astronomical Society of the Pacific: San Francisco), 162 – 171. (invited review)
13. ‘Globular Cluster Ages’ **Brian Chaboyer** (2001) presented at *Observed HR diagrams and Stellar Evolution*, Coimbra, Portugal (invited review)

14. ‘Globular Cluster Ages’ **Brian Chaboyer** (2001) presented at *Matter in the Universe*, Bern, Switzerland (invited review)
15. ‘Astroseismology: Science with a 5.1cm Telescope’ **Brian Chaboyer** (2000), presented at *Kingston 2000 Meeting: Directions in Theoretical Astrophysics at the turn of the Millennium*, Toronto, Ontario
16. ‘The Age of the Universe’ **Brian Chaboyer** (2000), presented at *Aspen Center for Physics Workshop*, Aspen, Colorado (invited review)
17. ‘Globular Clusters Ages’, **Brian Chaboyer** (1999), presented at *The 35th Liège International Astrophysics Colloquium*, Liege, Belgium (invited review).
18. ‘The Age of the Universe’ **Brian Chaboyer** (1999), presented at *The Cosmological Constant*, Aspen, Colorado (invited review)
19. ‘The Ages of Star Clusters’ **Brian Chaboyer** (1999), presented at *Challenges in Stellar Evolution for the 21st Century*, New Haven, CT
20. ‘Ages of Globular Clusters’, **Brian Chaboyer** (1999), presented at *The Pritzker Symposium on the Status of Inflationary Cosmology*, Chicago, IL (invited review).
21. ‘Relative Globular Cluster Ages and the Formation of the Milky Way’, **Brian Chaboyer** (1998), presented at *The 13th Kingston Meeting on Theoretical Astrophysics: Galaxy Formation and Cosmic Star Formation History*, Kingston, Ontario (invited review).
22. ‘NGC 6791: an Old, Metal-Rich Open Cluster’ **Brian Chaboyer** (1998), presented at *Hubble Fellows Symposium*, Baltimore, MD (invited).
23. ‘Internal Rotation, Mixing and Lithium Abundances’, **Brian Chaboyer** (1998), *IAU Symp. 185, New Eyes to See inside the Sun and Stars: Pushing the Limits of Helio- and Astero-seismology with New Observations from the Ground and from Space*, eds. F.L. Deubner, J. Christensen-Dalsgaard & D. Kurtz, 25 –36 (invited review).
24. ‘Globular Clusters and the Age of the Universe’, **Brian Chaboyer** (1997), presented at *IAU Symp. 183, Cosmological Parameters and Evolution of the Universe* (invited review).
25. ‘The Age of the Universe’, **Brian Chaboyer** (1996), *Nuclear Physics B Proceedings Supplement*, **51B**, 10 – 19 (invited review).
26. ‘Improved Solar Models’, **Brian Chaboyer**, Sarbani Basu and J. Christensen-Dalsgaard (1996), *J. Roy. Astron. Soc. Can.*, **90**, 306. (abstract).
27. ‘Halo Star Evolution’, **Brian Chaboyer** (1995), in *Stellar Evolution: What Should Be Done?*, eds. A. Noels, D. Fraipont-Caro, M. Gabriel, N. Grevesse & P. Demarque (Liège: Institut d’Astrophysique), 345 – 358 (invited review).
28. ‘Ages of Galactic Globular Clusters from the New Yale Isochrones’, **Brian Chaboyer**, P. Demarque, D.B. Guenther, M.H. Pinsonneault & L.L. Pinsonneault (1995), *The Formation of the Milky Way*, ed. E.J. Alfaro & G. Tenorio-Tagle (Cambridge: Cambridge University Press), 289 – 292.

29. ‘Color Gradients in Early Type Dwarf Galaxies’, **Brian Chaboyer** (1994), in *Proceedings of the ESO/OHP Workshop on Dwarf Galaxies*, ed. G. Meylan & P. Prugniel, (München: ESO), 485 – 492.
30. ‘The Seismic Structure of the Sun from GONG’, H. Antia, S. Basu, **Brian Chaboyer**, *et al.* (21 authors, GONG inversions team), (1997), in *IAU Symposium No. 181: Sounding Solar and Stellar Interiors*, ed. J. Provost & F. Schmider, (Kluwer) 151 – 158.
31. ‘Helioseismology’, P. Demarque, **Brian Chaboyer**, D.B. Guenther & M.H. Pinsonneault (1995), in *Astrophysical Applications of Powerful New Databases*, ed. S.J. Adelman & W.L. Wiese (San Francisco: ASP), 417 – 421.
32. ‘The Combined Effects of Rotation and Diffusion on the Standard Solar Model’, P. Demarque, **Brian Chaboyer**, D.B. Guenther & M.H. Pinsonneault (1995), in *Solar Modeling*, ed. B. Balantekin & J.N. Bahcall (Singapore: World Scientific), 151 – 160.

Poster Papers/Other Publications

1. ‘The distance to the Sagittarius Dwarf Galaxy from MACHO Project RR Lyrae Stars’ Kunder, A.M. & **Brian Chaboyer** 2007, *Bulletin of the American Astronomical Society*, 39, 670 (abstract)
2. ‘Stellar Population Models with Flexible Chemistry’ Lee, H.-c., . . . **Brian Chaboyer** et al. (10 authors) 2007, *Bulletin of the American Astronomical Society*, 39, 695 (abstract)
3. ‘The HST/ACS Survey of Galactic Globular Clusters: New Stellar Evolution Tracks, Isochrones and Luminosity Functions’ **Brian Chaboyer**, Dotter, A., Baron, E., Ferguson, J., Jevremovic, D., & Sarajedini, A. 2006, *Bulletin of the American Astronomical Society*, 38, 195 (abstract).
4. ‘The V-R Color of RR Lyrae Stars at Minimum Light’ Kunder, A. M., **Brian Chaboyer**, & Layden, A. 2006, *Bulletin of the American Astronomical Society*, 38, 106 (abstract).
5. ‘Self-Consistent Stellar Evolution Models with Updated Physics and Variable Abundances’ Dotter, A.L., **Brian Chaboyer**, Baron, E., Ferguson, J.W., Jevremovic, D., Lee, H., & Worthey, G. 2006, *Bulletin of the American Astronomical Society*, 38, 120 (abstract).
6. ‘The HST/ACS Survey of Galactic Globular Clusters: Absolute Ages of Selected Clusters’ Reid, I.N., Anderson, J., Aparicio, A., **Brian Chaboyer**, Dotter, A., Piotto, G., Marin-Franch, A., & Rosenberg, A. 2006, *Bulletin of the American Astronomical Society*, 38, 195 (abstract).
7. ‘The HST/ACS Survey of Galactic Globular Clusters: Relative Ages’ Rosenberg, A., Marín-Franch, A., Aparicio, A., Piotto, G., **Brian Chaboyer** & Sarajedini, A. 2006, *Bulletin of the American Astronomical Society*, 38, 195 (abstract).
8. ‘The HST/ACS Survey of Galactic Globular Clusters: The Sagittarius Dwarf Spheroidal System’ Siegel, M., Majewski, S.R., Sarajedini, A., **Brian Chaboyer** & Rosenberg, A. 2006, *Bulletin of the American Astronomical Society*, 38, 195 (abstract).

9. 'The HST/ACS Survey of Galactic Globular Clusters: Overview and New Photometry for Nine Clusters' Sarajedini, A., Anderson, J., Aparicio, A., Bedin, L., **Brian Chaboyer** and 11 co-authors, et al. 2006, *Bulletin of the American Astronomical Society*, 38, 195 (abstract).
10. 'Extinction toward the Galactic Bulge from RR Lyrae Stars' A.M. Kunder, P. Popowski, K.H. Cook, S. Nikolaev & **Brian Chaboyer** 2006, in *Astrophysics of Variable Stars*, Astronomical Society of the Pacific Conference Series 349, 395.
11. 'The Metallicity of MACHO Galactic Bulge RR0 Lyrae Stars from Fourier Coefficients of Light Curves' A.M. Kunder, **Brian Chaboyer**, P. Popowski, S. Nikolaev & K.H. Cook 2006, in *Astrophysics of Variable Stars*, Astronomical Society of the Pacific Conference Series 349, 273.
12. 'A New Color-Magnitude Diagram for Palomar 11, **Brian Chaboyer**, M.S. Lewis, W.M. Liu & N.E.Q. Paust 2006, *Bulletin of the American Astronomical Society*, 37, 1372 (abstract).
13. 'The Luminosity Function of M14' N.E.Q. Paust & **Brian Chaboyer** 2006, *Bulletin of the American Astronomical Society*, 37, 1372 (abstract).
14. 'Photometry and Astrometry of SIM Planetquest Globular Cluster Targets.' T.M. Girard, A. Sarajedini & **Brian Chaboyer** 2006, *Bulletin of the American Astronomical Society*, 37, 1358 (abstract).
15. 'Self Consistent Isochrones with Flexible Chemistry: The Age, Metallicity, and He Content of NGC 6791' A. Dotter, **Brian Chaboyer**, E. Baron, J.W. Ferguson, J.B. Jensen, A. Sarajedini & T. von Hippel 2006, *Bulletin of the American Astronomical Society*, 37, 1279 (abstract).
16. 'Accurate Ages and Distances for Population II Objects: A SIM Planetquest Key Project' **Brian Chaboyer**, B.W. Carney, D.K. Duncan, T.M. Girard, D.W. Latham, A.C. Layden, A. McWilliam, A. Sarajedini & M. Shao 2005, *Bulletin of the American Astronomical Society*, 37, 566 (abstract).
17. 'Metallicity of Galactic Bulge RR Lyrae' A.M. Kunder **Brian Chaboyer**, P. Popowski, S. Nikolaev, & K. Cook 2004, *Bulletin of the American Astronomical Society*, 36, 1427 (abstract).
18. 'Wide-Field JHK Photometry of M5' Paust, N.E.Q., **Brian Chaboyer**, & McWilliam, A. 2004, *Bulletin of the American Astronomical Society*, 36, 1382 (abstract).
19. 'Testing Metal-Poor Stellar Evolution Models' **Brian Chaboyer**, & S.R. Bjork. 2004, *Bulletin of the American Astronomical Society*, 36, 1359 (abstract).
20. 'Testing Stellar Evolution Theory: Theoretical Luminosity Functions and M92' **Brian Chaboyer**, Bjork, S. R. & N.E.Q. Paust 2004, *Physics in Canada*, 60, 128 (abstract).
21. 'Horizontal-Branch Morphology as an Age Indicator' Rey S.-C., Lee Y.-W., Yoon S.-J., Sohn Y.-J., **Brian Chaboyer** & Sarajedini A., 2003, in *New Horizons in Globular Cluster Astronomy*, ASP Conference Proceedings, Vol. 296, edited by G. Piotto, G. Meylan, S.R. Djorgovski and M. Riello, page 400

22. M. Holman & **Brian Chaboyer** 2003, *Minor Planet Circular*, 4951, 2
23. ‘Theoretical Uncertainties in Red Giant Branch Evolution: The Red Giant Branch Bump’ **Brian Chaboyer** & S.R. Bjork 2003, *Bulletin of the American Astronomical Society*, 35, 984 (abstract).
24. ‘BVI Photometry and the Luminosity Function of M92 ’ N.E.Q. Paust & **Brian Chaboyer** 2003, *Bulletin of the American Astronomical Society*, 35, 985 (abstract).
25. ‘Photometric Study of Old Open Clusters Berkeley 12, Berkeley 17, Berkeley 31, and NGC 188’ Z.C. Krusberg & **Brian Chaboyer** 2003, *Bulletin of the American Astronomical Society*, 35, 942 (abstract).
26. ‘A New Classification Scheme for Blue Compact Dwarf Galaxies’, Sung, E.-C., Chun, M.-S., Freeman, K.C. & **Brian Chaboyer** (2002) *The Dynamics, Structure & History of Galaxies: A Workshop in Honour of Professor Ken Freeman*, ed. G.S. Da Costa & H. Jerjen (San Francisco: ASP), 341.
27. ‘An HST Search for White Dwarf Companions to ‘Blue’ Giants in NGC 188 and NGC 6791’, **Brian Chaboyer**, Dambach, E., Green, E.M., Landsman, W.B. (2003), *Bulletin of the American Astronomical Society*, 34, 1128 (abstract).
28. ‘The age of the globular cluster Palomar 13’ Trouille, L. and **Brian Chaboyer**, (2003) *Bulletin of the American Astronomical Society*, 34, 1103 (abstract).
29. ‘The Impact of Pollution on Stellar Evolution Models’ Dotter, A. L. and **Brian Chaboyer**, (2003) *Bulletin of the American Astronomical Society*, 34, 1127 (abstract).
30. ‘Theoretical Uncertainties at the Tip of the Red Giant Branch’ Bjork, S. R. and **Brian Chaboyer**, (2003) *Bulletin of the American Astronomical Society*, 34, 1128 (abstract).
31. ‘The Luminosity Function of M15’ Paust, N. E. Q. and **Brian Chaboyer**, (2003) *Bulletin of the American Astronomical Society*, 34, 1101 (abstract).
32. ‘The Population II Distance Scale and the Halo Population: A SIM Key Project’, B.W. Carney, **Brian Chaboyer**, D. Duncan, T. Girard, D.W. Latham, A.C. Layden, A. McWilliam, A. Sarajedini, & M. Shao (2002) in *New Horizons in Globular Cluster Astronomy*, in press
33. ‘Horizontal-Branch Morphology as an Age Indicator’ Y.-W. Lee, S.-J. Yoon, S.-C. Rey & **Brian Chaboyer** (2001) in *Astrophysical Ages and Time Scales*, ed. T. von Hippel, C. Simpson & N. Manset (Astronomical Society of the Pacific: San Francisco), 343 – 345.
34. ‘Anchoring the Population II Distance Scale: Accurate Ages for Globular Clusters and Field Halo Stars’ **Brian Chaboyer et al.** (2001) presented at the 198th Meeting of the AAS
35. ‘CCD Photometry of RR Lyrae Variables in The Globular Cluster M53’ S. Sohn, S.-C. Rey, Y.-W. Lee, **Brian Chaboyer** (2001) presented at the 198th Meeting of the AAS
36. ‘A Study of the M33 Halo Field Population’ M. Pappas,. A. Sarajedini & **Brian Chaboyer** (2000) *Am. Ast. Soc.*, **196**, 2048

37. 'The Age, Extinction and Distance of the Old, Metal-Rich Open Cluster NGC 6791', **Brian Chaboyer**, E.M. Green & J. Liebert (1999), *Am. Ast. Soc.*, **193**, 67.10 (abstract).
38. 'The Origin of SdB Stars and Related Metal-Rich Binaries', E.M. Green & **Brian Chaboyer** (1999), *Am. Ast. Soc.*, **193**, 102.13 (abstract)
39. 'Physics Education at Dartmouth', D.E. Mook & **Brian Chaboyer**, presented at *Physics Revitalization Conference: Building Undergraduate Physics Programs for the 21st Century*
40. 'Evolution of Procyon A', **Brian Chaboyer**, P. Demarque & D.B. Guenther (1998), *A Half-Century of Stellar Pulsation Interpretations: A Tribute to Arthur N. Cox*, ed. P.A. Bradley and J.A. Guzik (San Francisco: ASP), 67 –68.
41. 'New Modelling of the Alpha Centauri system', C. Neuforge, **Brian Chaboyer**, J. Christensen-Dalsgaard & A. Noels (1996), in *IAU. Symp. 181, Sounding Solar and Stellar Interiors Poster Volume*, ed. J. Provost & F. Schmider, (Nice: Université de Nice).
42. 'Uncertainties in the Absolute Age of the Globular Clusters', **Brian Chaboyer**, P.J. Kernan, L.M. Krauss & P. Demarque (1995), *Bull. Am. Ast. Soc.*, **27**, 1292 (abstract).
43. 'A Supergiant Supernova-Blown Bubble in NGC 1620', **Brian Chaboyer** & J.P. Vader (1995), *J. Roy. Astron. Soc. Can.* **89**, 174 (abstract).
44. 'The Physics of Semiconvection and Implications for Horizontal Branch Evolution', S.A. Grossman & **Brian Chaboyer** (1995), *Bull. Am. Ast. Soc.*, **26**, 1316 (abstract).
45. 'Diffusion and Rotational Mixing in Stellar Models', **Brian Chaboyer** & P. Demarque (1994), *Cool Stars, Stellar Systems and the Sun, Eighth Cambridge Workshop*, ed. J.P. Caillault (San Francisco: ASP), 273 – 275.
46. 'Effects of Microscopic Diffusion and Rotational Mixing on Stellar Models', **Brian Chaboyer**, P. Demarque & M.H. Pinsonneault (1993), *Bull. Am. Ast. Soc.*, **24**, 1176 (abstract).
47. 'New Physics, New Isochrones', P. Demarque, D.B. Guenther, M.H. Pinsonneault, **Brian Chaboyer** & S. Yi (1993), in *The Globular Cluster-Galaxy Connection*, ed. G.H. Smith & J.P. Brodie (San Fransico: ASP), 191 – 193.
48. 'Effects of Helium Diffusion on Globular Cluster Ages Inferred from Isochrones', **Brian Chaboyer**, C.P. Deliyannis, P. Demarque, M.H. Pinsonneault & A. Sarajedini (1991), *Bull. Am. Ast. Soc.*, **22**, 1205 (abstract).
49. 'Statistical Magnetohydrodynamics', **Brian Chaboyer** & R.N. Henriksen (1989), *Bull. Am. Ast. Soc.*, **21**, 763 (abstract).