

## HAROLD ALISTER McALISTER

### PRESENT ADDRESS:

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### PERSONAL:

Born 1 July 1949 at Chattanooga, TN; husband of Susan J. McAlister; father of Merritt Ellen McAlister

### PROFESSIONAL:

#### EDUCATION:

B.A. - Physics - *Magna cum Laude* - University of Tennessee at Chattanooga - 1971  
M.A. - Astronomy - University of Virginia - 1974  
Ph.D. - Astronomy - University of Virginia - 1975

#### POSITIONS HELD:

The Girls Preparatory School Chattanooga, Tennessee	Instructor of Physics 1970-71
University of Virginia Charlottesville, Virginia	Research Assistant 1971-75
Kitt Peak National Observatory Tucson, Arizona	Research Associate 1975-77
Georgia State University Atlanta, Georgia	Assistant Professor 1977-82 Associate Professor 1982-87 Professor 1987-1998 Regents' Professor 1998-2011 Regents' Professor Emeritus 2011-present Director (and founder) of the Center for High Angular Resolution Astronomy 1985-2015
Mount Wilson Institute Pasadena, California	Director, Mount Wilson Observatory and Chief Executive Officer, MWI 2002-2014

### PROFESSIONAL SOCIETIES:

American Astronomical Society, International Astronomical Union, Astronomical Society of the Pacific

### MISCELLANEOUS PROFESSIONAL SERVICE ACTIVITIES:

Elected Vice-President of Commission 26 of the International Astronomical Union (IAU), November 1985.  
Elected President of IAU Commission 26 September 1987.  
Member of the NSF Astronomy Advisory Committee 1983-86.  
Member of the NSF Astronomy Oversight Committee 1984.  
Member of the NSF Presidential Young Investigators Awards Panel for Astronomical, Atmospheric, Earth and Ocean Sciences 1984-85.  
Member of the NSF panel charged with the distribution of excess Space Telescope charge coupled devices 1985.  
Member of the elected Scientific Organizing Committee for IAU Commission 26 (Double and Multiple Stars), 1982-85.  
Member of the Scientific Organizing Committees for IAU Colloquium No. 62, *Techniques in Double and Multiple Star Research*, Flagstaff, Arizona, May 1981) and IAU Symposium No. 111, *Calibration of Fundamental Stellar Quantities*, Como, Italy, May 1984.  
Member of the National Optical Astronomy Observatories Committee charged with reviewing the site selection

for the National New Technology Telescope (the *Hoag Committee*) 1986.  
Member of the NSF Astronomy Advisory Committee Subcommittee on the National Optical Astronomy Observatories, May 1988.  
Consultant, Time-Life Books, Inc. *Understanding Computers* Series, 1988.  
Member, Interferometry Panel, Survey of Astronomy & Astrophysics of the National Academy of Sciences, 1989-90.  
Chairman, Organizing Committee, Atlanta meeting of the American Astronomical Society held in Atlanta, GA, January 1992.  
Chairman, Scientific Organizing Committee, IAU Colloquium 135, *Complementary Approaches to Double and Multiple Star Research*, held in Pine Mountain, GA, April 1992.  
Member, Users Committee, Kitt Peak National Observatory, 1990-1993.  
Chair, Users Committee, Kitt Peak National Observatory, 1992-1993.  
Member, Warner/Pierce Prizes Committee, American Astronomical Society, 1993-94.  
Chair, Warner/Pierce Prizes Committee, American Astronomical Society, 1993-94.  
Member, Program Committee, SPIE Symposium on *Astronomical Telescopes & Instrumentation for the 21<sup>st</sup> Century*, Kona, Hawaii, March 1994.  
Member, New Millennium Science Working Group (advisory to the Jet Propulsion Laboratory on new concepts in space missions), 1994-96.  
Member, Space Interferometry Mission Science Working Group, (advisory to NASA for the Phase A design of space interferometry mission), 1996-00.  
Member, Board of Trustees, The Mount Wilson Institute, 1996-present.  
Member, Program Committee, SPIE Symposium on *Astronomical Interferometry*, Kona, Hawaii, March 1998.  
Member, Keck Interferometer Science Steering Group, (Advisory to NASA), 1998-present  
Member, ORIGINS Subcommittee of the NASA Space Science Advisory Committee, 1998-2001  
Member, Publications Board, Astronomical Society of the Pacific, 1997-2000.  
Chair, Local Organizing Committee, 195<sup>th</sup> Meeting of the American Astronomical Society, Atlanta, January 2000.  
Member, NASA's Space Interferometry Mission External Review Board, Spring 2001.  
Chair, Review Panel for NSF Astronomy Major Research Instrumentation Program, May 2001  
Chair, Review Panel for NASA Extra-Solar Planets Advanced Mission Concepts, December 2001  
Member, Executive Committee, IAU Working Group on Interferometry, 2001 - 2006  
Member, External Advisory Board, NSF Center for Adaptive Optics at UC Santa Cruz, 2002 - present  
Member, Oversight Committee, NASA/JPL Michelson Science Center, located at the California Institute of Technology, 2004 - present  
Member, Working Group on the Preservation of Astronomical Heritage, American Astronomical Society, 2007-present  
Member, Electromagnetic Observations from Space Program Prioritization Panel, National Academy of Sciences, Decadal Review of Astronomy and Astrophysics  
Member, Sagan Fellowship Selection Panel, NASA Exoplanet Science Institute, 2009-2010  
Member, NASA Kepler Mission Review Panel, June 2010.  
Chair, Lowell Observatory Visiting Committee, September 2013

#### **MISCELLANEOUS INSTITUTIONAL SERVICE ACTIVITIES**

Founder, Center for High Angular Resolution Astronomy, 1984.  
Member, Departmental Promotion and Tenure Committee, 1987, 1988 (chair), 1989 (chair).  
Member, Departmental Executive Committee, 1990, 1994-97.  
Director, Astronomy Graduate Studies, 1992-1994.  
Member, Selection Committee for CIS Eminent Scholar, College of Business Administration, 1987.  
Member, Presidential Inauguration Commission, 1989.  
Member, Presidential Task Force on Enrollment, 1990-91.  
Member, Dean's Advisory Committee on promotion and Tenure, College of Arts and Sciences, 1992-93.  
Member, Dean's Ad Hoc Committee on Student Grievances, College of Arts and Sciences, 1993.  
Chair, Hard Labor Creek Observatory Council, 1995-96.  
Member, Presidential Scholarship Selection Committee, 1997-present.  
Member, Awards committee, College of Arts & Sciences, 1997-98.  
Member, Dean's Advisory Committee on Promotion & Tenure, 1999-01.  
Member, University Web Page Committee, 2001-02.

Chair, University Awards Committee, 2002.  
Member, Ad Hoc Committee on Misconduct in Research, Fall 2002 - Winter 2003  
Member, Faculty Peer Review Committee for Internal University Grants, 2002 - 2005  
Member, Amos Professor Selection Committee, 2003  
Member, Regents' Professors Selection Committee, 2003-present  
Member, Dean's Review Committee, COAS, 2004 - 2005  
Member, University Senate, 2004-2006  
Member, University Branding Committee, 2006-present  
Member, Departmental Academic Program Review Committee, 2007-08  
Member, University Second Century Initiative Review Committee, 2009  
Member, Departmental Action Plan Committee, 2010  
Chair, Second Century Initiative Astrophysics Team, 2011

#### MISCELLANEOUS HONORS

Designated one of the "Top 40 Under Age 40" in Atlanta by *Atlanta Magazine* 1985.  
Outstanding Faculty Research Award, Golden Key National Honor Society, GSU 1986.  
Elected from GSU faculty to membership in Phi Kappa Phi Honor Society.  
Elected from GSU faculty to membership in Blue Key National Honor Fraternity, 1994.  
Outstanding Faculty Award, GSU College of Arts and Sciences, 1992.  
GSU Alumni Distinguished Professor Award, 1996.  
Commencement Speaker, University of Tennessee at Chattanooga, May 2001  
Maria and Eric Muhlmann Award, Astronomical Society of the Pacific, 2007  
Distinguished Alumnus Award, University of Tennessee at Chattanooga, 2008  
Double Star Award (with Susan McAlister), Los Angeles Astronomical Society, 2009  
Clifford W. Holmes Award (with Susan McAlister), RTMC Astronomy Expo, 2010  
Doctoral Hooding Ceremony Speaker, Georgia State University, 2010  
Centennial Speaker, Georgia State University, 2013

#### INVITED PRESENTATIONS (Since 1987 through 2017)

University of Maryland, Astronomy Program, (Colloquium), 22 Apr 1987.  
University of Vienna, Institute of Astronomy, (Colloquium), 21 Mar 1988.  
University of Wyoming (Laramie), Physics and Astronomy Dept., 19 Apr 1988.  
Space Telescope Science Institute (Baltimore), 27 Apr 1988.  
Johns Hopkins University, Applied Physics Laboratory, (Colloquium), 13 May 1988.  
Alliance for the Construction of Telescopes (Cleveland meeting) 20 May 1988.  
Harvard University, Center for Astrophysics, (Colloquium), 16 Jun 1988.  
University of Florida, Astronomy Dept., (Colloquium), 12 Oct 1988.  
National Science Foundation, Washington, DC, (Special Presentation to Director E. Bloch), 2 Nov 1988.  
Clemson University, Physics and Astronomy Dept., (Colloquium), 3 Nov 1988.  
Stone Mountain Rotary, Stone Mountain, Georgia, (Luncheon Speaker), 6 Jun 1989.  
Georgia Technical Development Advisory Network, 27 Jun 1989.  
Southern Tech, Physics Dept., (Colloquium), 11 Jul 1990.  
Chattanooga Engineers Club, 21 Aug 1989.  
Sci Trek, Atlanta, (Real-time commentary during Voyager-Neptune encounter), 24 August 1989.  
Astronomical Society of the Atlantic, Georgia Star Party, Sep 1989.  
Georgia Tech, School of Physics, (Colloquium), 27 Oct 1989.  
Southeastern Meeting of the Astronomical League, (Banquet Speaker), 30 Oct 1989.  
Atlanta Space Development Society, 2 Dec 1989.  
American Meteorological Society, Atlanta Chapter, 6 Dec 89.  
DeKalb GSU Alumni Club, 14 Dec 89.  
Lowell Observatory, Flagstaff, Arizona, (Colloquium), 13 Feb 90.  
Jet Propulsion Laboratory, Cal Tech, (Colloquium), 12 Mar 90.  
North Adams State College, Massachusetts (AAS Shapley Lecture), 24 Apr 91.  
Emory University, Physics Dept., (Colloquium), 3 Oct 91.  
American Museum Hayden Planetarium, New York, New York, (Featured Speaker), 12 Dec 91.

Sigma Xi Lecture, Joint Chapters of Georgia Tech, Emory, and CDC, Atlanta, 30 Jan 92 .  
College of William and Mary, Williamsburg, Virginia (AAS Shapley Lecture), 23 Apr 92 .  
Instituto de Astronomia, Nat. Auto. Univ. of Mexico, Mexico City, (Colloquium), 9 Oct 92.  
Amer. Inst. of Physics, Corp. Associates Advisory Comm., (Invited Lecturer), Palo Alto, CA, 19 Oct 92 .  
University of New Mexico, Albuquerque, New Mexico, (Colloquium), 17 Nov 92.  
American Astronomical Society, Tempe, AZ, (Invited Speaker), 5 Jan 93 .  
Air Force Phillips Laboratory, Albuquerque, New Mexico, (Colloquium), 3 Feb 93 .  
NASA Headquarters, Solar System Exploration Division, Washington, DC, 18 Feb 93 .  
Stetson University, Deland, Florida (AAS Shapley Lecture), 25 Mar 93 .  
Southern Star Convention, Wildacres, North Carolina (Featured Speaker), 22 May 93 .  
Georgia Legislative Briefing, Atlanta, Georgia, 24 Sep 93 .  
CNN Expert Guest for HST Repair Mission, Atlanta, Georgia, 4 Dec 93 .  
Chattanooga Engineers Club, Chattanooga, Tennessee, (Luncheon Speaker), 4 Apr 94 .  
CNN Expert Guest for Comet-Jupiter Collision, Atlanta, Georgia 16 Jul 94 .  
Alfred University, Alfred, New York (AAS Shapley Lecture), 27 Oct 94 .  
Canadian Broadcasting Corporation, (radio interview), 19 Feb 1995.  
Decatur Rotary Club, Decatur, Georgia, (Luncheon Speaker), 5 May 1995.  
Georgia State University, (Honors Day Address), 9 May 1995.  
Downtown Civitan Club, Atlanta, Georgia, (Luncheon Speaker), 6 June 1995.  
U.S. Naval Observatory, Washington, DC, (Colloquium), 20 Oct 1995.  
Emory at Oxford, Lecturer in "Faith and Science" Series, Oxford, GA 13 Nov 1995.  
Druid Hills Civitan, Atlanta, Georgia, (Luncheon Speaker), 5 Dec 1995.  
Grand Theater, Cartersville, Georgia, (Hubble Space Telescope Presentation to 500 8<sup>th</sup> graders plus 8,000 additional students via cable TV), 1 Feb 1996.  
College of Charleston, Charleston, South Carolina (AAS Shapley Lecture), 15/16 Apr 1996.  
Astronomy Day, Macon, Georgia, (Principal Speaker), 20 Apr 1996.  
Hugh Downs' Cosmology Dinner, New York, NY, (Roundtable Speaker), 14 May 1996.  
University of Illinois, Champaign-Urbana, IL, (Colloquium), 22 Apr 1997.  
University of Chicago, Chicago, IL, (Colloquium), 30 Apr 1997.  
Astronomical League 50<sup>th</sup> Anniversary Meeting, Copper Mountain, CO, (Featured Speaker), 2 Jul 1997.  
Barnard Astronomical Society, Chattanooga, TN, Public Lecture on the CHARA Array, 11 Jun 1998.  
Aerospace and Electronic Systems Society, Atlanta Chapter, Georgia Tech Research Institute, (Featured Speaker), 24 Jun 1998.  
Clark-Atlanta University, Atlanta, GA, Henry Cecil Ransom McBay Distinguished Lecture Series, (Invited Speaker), 28 Sep 1998.  
Atlanta Astronomy Club, (Featured Speaker), Atlanta, GA, 18 Feb 2000.  
Meritorious Awards Achievement Banquet Sponsored (Featured Speaker), Cartersville, GA, 16 Mar 2000.  
Clemson University, Invited Colloquium, Clemson, SC, 20 Apr 2000.  
NSF Astronomy Division, Invited Presentation, Washington, DC 31 Aug 2000.  
Carnegie Observatories, Invited Colloquium, Pasadena, CA 17 Oct 2000.  
Astronomy Dept., Univ. of Virginia, Invited Colloquium, Charlottesville, VA, 29 Nov 2000.  
Physics & Astronomy Dept., Univ. of Alabama, Invited Colloquium, Tuscaloosa, AL, 5 Dec 2001.  
Midtown Atlanta Rotary Club, Luncheon Speaker, Atlanta, GA, 12 Feb 2002.  
Downtown Kiwanis Club, Breakfast Speaker, Atlanta, GA, 18 Jun 2002.  
Physics Department, Emory University, Atlanta, GA, 24 Oct 2003.  
Physics Department, University of Massachusetts, Dartmouth, MA, 26 Apr 2004  
Physics Department, West Georgia College and State University, 18 Mar 2005  
Southern Star Party, Wildacres, NC, 13 May 2005  
Atlanta Astronomy Club, (Featured Speaker), Atlanta, GA, 16 Sep 2005  
Weinman Mineral Museum, (Featured Speaker), Cartersville, GA 2 Feb 2006  
Presentation to Members of USGa Board of Regents, Pasadena, CA 20 Apr 2006  
Mount Wilson Observatory Association, (Featured Speaker), Sierra Madre, CA 9 Jun 2006  
Chattanooga Engineers Club, (Luncheon Speaker), Chattanooga, TN 12 Jun 2006  
College of Optical Science, University of Arizona, (Colloquium Speaker), Tucson, AZ 9 Nov 2006  
Atlanta Retired Physicians Book Club, (Luncheon Speaker), Sandy Springs, GA 12 Jun 2007  
Green Bank Star Quest (Keynote speaker), Green Bank, WV 7 Jul 2007

Physics Department, University of Alabama, (Colloquium Speaker), Huntsville, AL 4 Sep 2007  
Barnard Astronomical Society, (Featured Speaker), Chattanooga, TN, 11 Oct 2007  
Astronomy Department, California Institute of Technology, (Colloquium Speaker), Pasadena, CA 13 Feb 2008  
Institute of Astronomy, Cambridge University, (Colloquium Speaker), Cambridge, England, 13 Mar 2008  
Royal Astronomical Society, (Featured Speaker), London, England, 14 Mar 2008  
School of Physics, Univ. of Sydney, (Invited Speaker & Symposium Summarizer), Australia, 29 May 2008  
Tellus Museum of Science, (Featured Speaker), Cartersville, GA, April 2009  
Los Angeles Astronomical Society, (Featured Speaker), Los Angeles, CA, January 2010  
Institute for Advanced Study, (Colloquium Speaker), Princeton, NJ, March 2010  
Barnard Astronomical Society (Featured Speaker), Chattanooga, TN, April 2010  
Georgia State University Foundation, (Featured Speaker), Lake Oconee, GA, June 2010  
Angeles National Forest Supervisor's Office, (Featured Speaker), Arcadia, CA, August 2011  
Mount Wilson Observatory Transit of Venus Event, (Host & Featured Speaker), June 2012  
University of Montreal, (Colloquium Speaker), Montreal, Quebec, Canada, September 2013  
Georgia State University Centennial Lecture Series (Featured Speaker), Atlanta, GA, October 2013  
Griffith Observatory (Featured Speaker), Los Angeles, CA, June 2014  
Stellafane (Featured Speaker), Springfield, VT, July 2014  
Sherlin Lecturer for 2014, Community College of Aurora, Aurora, CO, October 2014  
Board of Regents, University System of Georgia (Featured Speaker), Atlanta, GA, November 2014  
Tellus Museum of Science, (Featured Speaker), Cartersville, GA, June 2015  
Virginia Association of Astronomical Societies (Featured Speaker), Roanoke, VA, October 2016  
Orion, Inc. (Featured Speaker), Oak Ridge, TN, April 2017

#### **Ph.D. DISSERTATIONS DIRECTED**

*Anderson Mesa, Arizona, as a Site for an Interferometric Array*, Wean-Shun Tsay, July 1989.  
*Applications of Speckle Interferometry and Speckle Photometry to the Hyades Cluster*, Edmund G. Dombrowski, July 1990.  
*On the Limiting Astrometric Accuracy of Speckle Interferometry*, Ali Al-Shukri, May 1991.  
*Searching for Brown Dwarfs from Submotions of Binaries with Speckle Observations*, Hsieh-Hai Fu, August 1994.  
*Speckles and Shadow Bands*, Brian D. Mason, December 1994.  
*Remote Operation of the CHARA Array*, Thomas Fallon, May 2003.  
*Inspection of Extrasolar Planetary Systems Using the CHARA Array*, Ellyn K. Baines, June 2007.  
*Applications of Separated Fringe Packets to Binary Star Studies with the CHARA Array*, Christopher Farrington, October 2008.  
*The Habitat of Solar Type Stars*, Deepak Raghavan, April 2009.  
*Sizing up the Stars*, Tabettha Boyajian, July 2009.  
*The Orbits of Self-Calibrating Triple Stars with the CHARA Array*, David O'Brien, May 2011.  
*Rejuvenating the FLUOR Beam Combiner*, Nicholas Jon Scott, December 2013.

#### **POST-DOCTORAL SCIENTISTS DIRECTED**

Dr. Elaine H. Halbedal (*Ph.D. Northwestern University*), 1978-79.  
Dr. Barbara V. Gaston (*Ph.D. Pennsylvania State University*), 1981-82.  
Dr. Paul C. Schmidtke (*Ph.D. Ohio State University*), 1984.  
Dr. Donald J. Hutter (*Ph.D. Indiana University*), 1984-85.  
Dr. James R. Sowell (*Ph.D. University of Michigan*), 1987-88.  
Dr. Theo A. ten Brummelaar (*Ph.D. University of Sydney*), 1993-96.  
Dr. Brian D. Mason (*Ph.D. Georgia State University*), 1994-96.  
Dr. Laszlo Sturmann (Ph.D., Vanderbilt University), 1996-98.  
Dr. Ellyn K. Baines (*Ph.D., Georgia State University*), 2007-08. (Co-supervised with D. Gies)  
Dr. Tabettha Boyajian (*PhD, Georgia State University*), 2009-12 NASA Hubble Fellow

#### **FEDERALLY FUNDED SUPPORT — H.A.M. as PRINCIPAL INVESTIGATOR**

NATIONAL SCIENCE FOUNDATION

<i>Binary Star Speckle Interferometry (and renewals)</i>		
(AST 78-01743)	1 Jun 78 - 31 May 80	\$38,900
(AST 80-15781)	1 Jan 81 - 31 Dec 83	\$112,800
(AST 83-14148)	1 Jan 84 - 31 Dec 86	\$179,200
(AST 86-13095)	1 Jan 87 - 31 Dec 89	\$180,000
(AST 89-15324)	15 Jan 90 - 14 Jan 91	\$60,000
(AST 91-41927)	16 Jan 91 - 30 Jun 94	\$127,000
(AST 94-16994)	15 Nov 94 - 14 Nov 97	\$334,500
<i>A Speckle Camera for binary Star Astrometry and Photometry</i>		
(AST 79-24587)	1 Apr 80 - 30 Sep 82	\$104,000
<i>A Feasibility Study for Long-Baseline Optical Interferometry</i>		
(AST 84-21304)	15 Dec 85 - 31 May 89	\$261,600
<i>Instrumentation for Binary Star Speckle Interferometry and Photometry</i>		
(AST 79-24576)	1 Aug 88 - 31 Jul 89	\$75,000
<i>IAU Colloquium 135</i>		
Int. Conf. Support	1 Jan 92 - 31 Dec 92	\$10,000
<i>The CHARA Array (Design Study)</i>		
(AST 90-08941)	1 Jan 92 - 31 May 94	\$485,000
<i>Adaptive Optics Imaging of Binary Stars</i>		
(AST 94-21259)	1 Nov 94 - 31 Oct 96	\$80,000
<i>The CHARA Array</i>		
(AST 94-14449)	1 Oct 94 - 30 Sept 03	\$6,248,015
<i>An Integrated Optics Beam Combiner for the CHARA Array</i>		
(AST 02-33138)	15 Feb 03 - 14 Feb 06	\$18,810
<i>Fundamental Stellar Parameters from the CHARA Array</i>		
(AST 03-07562)	1 Oct 03 - 30 Sep 06	\$755,867
(AST 06-06958)	10 Jul 06 - 30 Jun 10	\$706,178
(AST 09-08253)	1 Oct 09 - 30 Sep 12	\$894,115
(AST 12-11129)	1 Aug 12 - 31 Jul 17	\$1,512,116
<i>Reinvigorating Mount Wilson Observatory</i>		
(AST-09-63172)	1 Oct 10 - 30 Sep 13	\$1,487,837
<b>AIR FORCE OFFICE OF SCIENTIFIC RESEARCH</b>		
<i>Astronomical Observations by Speckle Interferometry</i>		
(AFOSR 81-0161)	1 Jun 81 - 30 Nov 85	\$330,145
<i>Super-Diffraction Limited Measurements Through the Turbulent Atmosphere by Speckle Interferometry</i>		
(AFOSR 85NP212)	15 May 86 - 14 May 89	\$159,415
<b>DoD - UNIVERSITY RESEARCH INSTRUMENTATION</b>		
<i>Image Processing Instrumentation for Astronomical Speckle Interferometry</i>		
(AFOSR 83-0257)	1 Aug 83 - 31 Jul 84	\$175,035
<b>SPACE TELESCOPE SCIENCE INSTITUTE</b>		
<i>A Pilot Survey for Duplicity Among Space Telescope Guide Stars</i>		
(STSci P-1849)	8 Mar 85 - 30 Sep 85	\$28,700
<i>Hubble Fellowship for Tabettha S. Boyajian</i>		
(HST-HF-51252)	1 Sep 09 - 30 Aug 11	\$210,336
<b>U.S. NAVAL OBSERVATORY - NAVAL RESEARCH LABORATORY</b>		
<i>A High-Speed Video Digitizing System for Binary Star Speckle Interferometry</i>		
N/A	1 Nov 86 - 31 Oct 87	\$10,859
<b><u>TOTAL FEDERALLY FUNDED SUPPORT</u></b>		<b><u>\$14,483,928</u></b>

**PRIVATELY FUNDED SUPPORT — H.A.M. as PRINCIPAL INVESTIGATOR**

W. M. KECK FOUNDATION – A Sixth Telescope for the CHARA Array		
N/A	Jul 1998	\$1,500,000
DAVID AND LUCILE PACKARD FOUNDATION – Beam Combination Subsystems for the CHARA Array		
N/A	Oct 1998	\$574,000
<u>TOTAL PRIVATELY FUNDED SUPPORT</u>		<u>\$2,074,000</u>
<b>Total Extramural Support</b>		<b>\$16,657,928</b>

**REFEREED PUBLICATIONS** (Complete through 2017)

1. *Possible Nearby F and G Dwarfs*, H.A. McAlister and P.A. Ianna, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **86**, 769, 1974.
2. *Parallaxes of 20 Stars from Plates Taken with the McCormick 26-inch Refractor*, P.A. Ianna and H.A. McAlister, THE ASTRONOMICAL JOURNAL, **79**, 1314, 1974.
3. *On the Temperature Dependence of Scale for the 26-inch McCormick Refractor*, H.A. McAlister, P.A. Ianna, and L.W. Frederick, THE ASTRONOMICAL JOURNAL, **79**, 1445, 1974.
4. *Spectroscopic Binaries as a Source for Astrometric and Speckle Interferometric Studies*, H.A. McAlister, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **88**, 317, 1976.
5. *Speckle Interferometry of  $n$  Orionis*, H.A. McAlister, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **88**, 957, 1976.
6. *Speckle Interferometry of the Hyades Spectroscopic Binary 51 Tauri*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **212**, 459, 1977.
7. *On the Distance of the Hyades*, H.A. McAlister, THE ASTRONOMICAL JOURNAL, **82**, 487, 1977.
8. *Speckle Interferometry as a Method for Detecting Nearby Extra-Solar Planets*, H.A. McAlister, ICARUS, **30**, 789, 1977.
9. *Speckle Interferometric Measurements for binary Stars. I.*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **215**, 159, 1977.
10. *Masses and Luminosities for the Spectroscopic/Speckle Interferometric Binary 12 Persei*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **223**, 526, 1978.
11. *Binary Stars Unresolved by Speckle Interferometry*, H.A. McAlister, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **90**, 288, 1978.
12. *Speckle Interferometric Measurements of Binary Stars. II.*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **225**, 932, 1978.
13. *Speckle Interferometric Measurements of Binary Stars. III.*, H.A. McAlister and K.A. DeGioia, THE ASTROPHYSICAL JOURNAL, **228**, 493, 1979.
14. *The Kitt Peak Speckle Camera*, J.B. Breckinridge, H.A. McAlister, and W.G. Robinson, APPLIED OPTICS, **18**, 1034, 1979.
15. *Speckle Interferometric Measurements of Binary Stars. IV.*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **230**, 497, 1979.
16. *Speckle Interferometry of the Spectroscopic Binary 17 Cephei A*, H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **236**, 522, 1980.
17. *Speckle Interferometric Measurements of Binary Stars. V.*, H.A. McAlister and F.C. Fekel, THE ASTROPHYSICAL

JOURNAL SUPPLEMENT, **43**, 327, 1980.

18. *Speckle Interferometry of the Spectroscopic/Astrometric binary  $\alpha$  Draconis*, H.A. McAlister, THE ASTRONOMICAL JOURNAL, **85**, 1265, 1980.
19. *Binary Stars Unresolved by Speckle Interferometry. II.*, H.A. McAlister and E.M. Hendry, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **93**, 221, 1981.
20. *The Apparent Orbit of Capella*, H. A. McAlister, THE ASTRONOMICAL JOURNAL, **86**, 795, 1981.
21. *Speckle Interferometry of  $\tau$  Persei*, H.A. McAlister, THE ASTRONOMICAL JOURNAL, **86**, 1397, 1981.
22. *Speckle Interferometric Measurements of Binary Stars. VI.*, H.A. McAlister and E.M. Hendry, THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, **48**, 273, 1982.
23. *Masses and Luminosities for the Giant Spectroscopic/ Speckle Interferometric Binaries  $\phi$  Cygni and  $\gamma$  Persei*, H.A. McAlister, THE ASTRONOMICAL JOURNAL, **87**, 563, 1982.
24. *Speckle Interferometric Measurements of Binary Stars. VII.*, H.A. McAlister and E.M. Hendry, THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, **49**, 267, 1982.
25. *Speckle Interferometric Measurements of Binary Stars. VIII.*, H.A. McAlister, E.M. Hendry, W.I. Hartkopf, B.G. Campbell, and F.C. Fekel, THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, **51**, 309, 1982.
26. *Speckle Interferometry of the Spectroscopic Binary 94 Aquarii A*, H.A. McAlister and W.I. Hartkopf, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **94**, 832, 1982.
27. *The Optical Variability and Spectrum of PKS 2155-304*, H.R. Miller and H.A. McAlister, THE ASTROPHYSICAL JOURNAL, **272**, 26, 1983.
28. *The True Nodal Quadrant of Capella*, W.G. Bagnuolo and H.A. McAlister, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **95**, 992, 1983.
29. *Standard Stars for Binary Star Interferometry*, H.A. McAlister and W.I. Hartkopf, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **95**, 777, 1983.
30. *Speckle Interferometric Measurements of Binary Stars. IX.*, H.A. McAlister, W.I. Hartkopf, B. Gaston, E.M. Hendry, and F.C. Fekel, THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, **54**, 251, 1984.
31. *Binary Stars Unresolved by Speckle Interferometry III.*, W.I. Hartkopf and H.A. McAlister, PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, **96**, 105, 1984.
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