

Steven S. Vogt

Astronomer/Professor of Astronomy and Astrophysics
University of California Observatories/Lick Observatory

INTERESTS AND EXPERTISE

Stellar spectroscopy, instrumentation

ACADEMIC HISTORY

1972 A. B. in Physics, University of California, Berkeley
1972 A. B. in Astronomy (With Honors), University of California, Berkeley
1975 M.A. in Astronomy, University of Texas, Austin
1978 Ph.D. in Astronomy, University of Texas, Austin

POSITIONS HELD

1970–71 Research Assistant, Lawrence Berkeley Radiation Laboratory
1971 Research Assistant, University of California, Berkeley
1972–78 Research Assistant, University of Texas at Austin
1978–83 Assistant Professor of Astronomy, Assistant Astronomer, Lick Observatory, UCSC
1984–87 Associate Professor of Astronomy, Associate Astronomer, Lick Observatory, UCSC 1988– Professor of Astronomy, Astronomer, Lick Observatory, UCSC

HONORS AND AWARDS

2004 Graduate School Alumnus of the Year Award—The University of Texas at Austin
2002 AAS—Beatrice M. Tinsley Prize (with G. Marcy and R. P. Butler)
2002 Carl Sagan Memorial Award—American Astronautical Society and The Planetary Society (with Geoff Marcy, Paul Butler, and Debra Fischer)
2001 California Community College League Distinguished Alumni Award, August 2001
1998 Académie des Sciences de France: Grand Prix Lallemand (w/ Jerry Nelson)
1995 Muhlmann Award; Astronomical Society of the Pacific
1990 University of California/Leningrad State University Exchange Fellow
1985 U.S.—Israel Binational Science Foundation Bergmann Prize
1973–78 Phi Kappa Phi, University of Texas
1972 Klumpke-Roberts Prize for Undergraduate Astronomy, U.C. Berkeley
1971–72 President's Undergraduate Research Fellow, University of California, Berkeley
1970–72 University of California Honor Students' Society
1970 Norseman Award for Undergraduate Physics, Diablo Valley College

EXTERNAL RESEARCH SUPPORT (\$20,000 and over)

2004	NASA "Automated Planet Finder Facility"	\$200,000
2004	California Association for Research in Astronomy (CARA) "HIRES CCD Upgrade"	\$132,948
2004	NASA/CARA "HIRES CCD Upgrade"	\$192,739
2003–07	NSF "Keck Planet Hunt"	\$636,094
2003	NASA "Planet Finding Spectrometer for the APF"	\$1,800,000
2002	DOD "Automated Planet Finder Facility"	\$6,400,000
2001	CARA "HIRES CCD Upgrade"	\$550,000
2000	NSF "A Survey of Nearby Stars for Extrasolar Planets"	\$249,242

RECENT PUBLICATIONS (selected)

"A Transiting '51 Peg-Like' Planet," (G.W. Henry, G.W. Marcy, R.P. Butler, and S.S. Vogt). *ApJ*, **529**, L41–L44, 2000.

"Six New Planets from the Keck Precision Velocity Survey," (S.S. Vogt, G.W. Marcy, R.P. Butler, and K. Apps). *ApJ*, **536**, 902–914, 2000.

"The Kinematics of Intermediate-Redshift Mg II Absorbers," (C.W. Churchill, and S.S. Vogt). *AJ*, **122**, 679–713, 2001.

"Ten Low-Mass Companions from the Keck Precision Velocity Survey," (S.S. Vogt, R.P. Butler, G.W. Marcy, D.A. Fischer, D. Pourbaix, K. Apps, and G. Laughlin). *ApJ*, **568**, 352–362, 2002.

"A Neptune-Mass Planet Orbiting the Nearby M Dwarf GJ 436," (R.P. Butler, S.S. Vogt, G.W. Marcy, D.A. Fischer, J.T. Wright, G.W. Henry, G. Laughlin, and J.J. Lissauer). *ApJ*, **617**, 580–588, 2004.

"Five New Extrasolar Planets," (G.W. Marcy, R.P. Butler, S.S. Vogt, D.A. Fischer, G.W. Henry, G. Laughlin, J.T. Wright, and J.A. Johnson). *ApJ*, **619**, 570–584, 2005.

"A 7.5 Earth-Mass Planet Orbiting the Nearby Star, GJ 876," (E.J. Rivera, J.J. Lisauer, R.P. Butler, G.W. Marcy, S.S. Vogt, D.A. Fischer, T.M. Brown, G. Laughlin, and G.W. Henry) *ApJ*, **634**, 625–640, 2005.

"Five New Multi-Component Planetary Systems," (S.S. Vogt, R.P. Butler, G.W. Marcy, D.A. Fischer, G.W. Henry, G. Laughlin, J.T. Wright, and J.A. Johnson). *ApJ*, **632**, 638–658, 2005.

"A Long-Period Jupiter-Mass Planet Orbiting the Nearby M Dwarf GJ 849," (R.P. Butler, J.A. Johnson, G.W. Marcy, J.T. Wright, S.S. Vogt, and D.A. Fischer). *PASP*, **118**, 1685-1689, 2006.

"Catalog of Nearby Exoplanets," (R.P. Butler, J.T. Wright, G.W. Marcy, D.A. Fischer, S.S. Vogt, C.G. Tinney, H.R.A. Jones, B.D. Carter, J.A. Johnson, C. McCarthy, and A.J. Penny). *ApJ*, **646**, 505-522, 2006.

UNIVERSITY SERVICE (selected)

Administrative appointments

2004–05 Chair, Preliminary Exam Committee
2003 Thirty Meter Telescope Instrumentation Working Group
2002–03 CFAO Program Advisory Committee
2002–05 Privilege and Tenure Committee
2000–01 Center for Adaptive Optics Program Advisory Committee member
2000–01 Lick/Keck Time Allocation Committee
2000–01 CELT Instrumentation Working Group Member

PROFESSIONAL ACTIVITIES (selected)

Consultative or other service to civic, state, or national governmental agencies

2001 Scientific Organizing Committee–SPIE 2002 Kona meeting
2001 NASA/Ball Aerospace "Jovian Planet Finder" Proposal Team member
2000–2001 TRW Consultant on TPF Design Study
2000 JILA/NIST Review Panel

Five major presentations

2005 Colloquium Speaker, U. Of Chicago
2005 American Physical Society, Invited Speaker, Tampa FL
2000 Colloquium Speaker–Carnegie/DTM
2000 Barcelona, Spain—La Caixa Science Museum Talk
2000 Colloquium Speaker, Commonwealth Club, San Francisco

STUDENTS AND FELLOWS SUPERVISED (lifetime)

Ph.D. Advisees

L. Langland-Shula
A. McDaniel
T. Castellano
L. Harden
N Stout
C. Churchill
S. Allen
M. Keane
A. Hatzes
G. Penrod
G. Marcy

Students Awarded Ph.D Degree

L. Langland-Shula
T. Castellano
L. Harden
N. Stout
C. Churchill
S. Allen
A. Hatzes

Senior Thesis

M. Deranja
R. Clark
C. Rosenbaum
K. Peregrem
L. Allen