

Curriculum Vitae

Date: 4/03/2013

Initials:

Gordon Arthur Hunter WALKER

Born: 30 January 1936

Married: Sigrid Helene Fischer, April 1962

Children: Nicholas and Eric

Languages: English, French, and German.

POST-SECONDARY EDUCATION

University of Edinburgh	Hon.B.Sc.	Natural Philosophy	1958
University of Cambridge (Caius)	Ph.D.	Astrophysics	1962

PROFESSIONAL EMPLOYMENT

Radcliffe Observatory, Pretoria	Research Assistant	1960-61
DAO, Victoria	NRC Fellow	1962-63
DAO, Victoria	Scientific Officer 3	1963-69
University of Texas	Visiting Lecturer	1965 (Spring)
University of Victoria	Visiting Lecturer	1966 (Spring)
UBC	Associate Professor	April 1, 1969
	Director, Institute	1972-78
	Astronomy and Space Science	
	Professor	July 1, 1974-97
	Professor Emeritus	July 1 1997 –
HIA/NRC	Guest-worker	1998 –
UVic	Adjunct Professor	April 23 2004 –

INTERNATIONAL PROJECTS

Scientific Advisory Committee of the CFHT 1972-79

Project Scientist for 'Starlab' an Australian, Canadian, NASA, space telescope proposal until Canada withdrew in 1984

CFHT Board of Directors 1986-91

Canadian Project Scientist (1989-90): EUVITA - far ultraviolet astronomical satellite experiment joint with USSR, Switzerland, USA.

Canadian Project Scientist (1990-97): Gemini - twin 8 metre optical telescopes (1 in Hawaii, 1 in Chile) joint with USA, U.K., Chile, Australia, Argentina, Brazil.

Gemini Scientific Advisory Committee 1991-97

Gemini Board of Directors 1991-97

MOST Science team (1997–2009): a Canadian satellite launched in 2003 for ultra-precise photometry of bright stars, with collaboration from Austria.

Gemini/NSF Visiting Committee 2004

AURA Source Selection Board for future Gemini Instrumentation 2004

TMT - chair HROS Review Panel 2005

chair Gemini Source Selection Board for HRNIRS 2005

chair Gemini Source Selection Board for PRVS 2006

member SPIRou Preliminary Design Review Committee 2012 - a high resolution visible/infrared spectropolarimeter proposed for CFHT

RESEARCH CAREER

My fascination with astronomy began at age 7 when my father explained that stars were very distant suns. A profile of the $\lambda 4430$ diffuse interstellar band (DIB) published by Bob Wilson in 1959 triggered a lasting interest in these features and their origin and it was the topic of my Cambridge PhD thesis. Over the years, I have made many measurements of DIBs trying to characterize the bands and their structure. I have been privileged to work with John Maier and Adrian Webster. With John, we discovered interstellar C_3 but so far no sure identification of a carrier molecule for any of the hundreds of known DIB. With Adrian, we confirmed that many DIB could well be due to large symmetrical molecules with between 40 and 100 of mostly ^{12}C and some ^{13}C isotopes.

From 1962-9 I was at the DAO where, among other things, I built a 4 channel photometer and partook in the assessment of Mt Kobau as a large telescope site. Thereafter, I was a Professor of Astrophysics at UBC, until early retirement in 1997. At UBC I developed signal generating detectors, producing one of the first digital TV systems for astronomy. Subsequently, my lab built digital detectors for CFHT, DAO and the MOST Satellite imaging photometer for which I designed the science package. We also built a compact push broom spectrometer for the Canadian Department of the Environment.

My research has been based largely on optical spectroscopy – extra-solar planets, interstellar material (particularly dust and large molecules), stellar-mass black holes, stellar rotation and non radial oscillations, differential rotation and chromospheres. With Yang and several graduate students I detected non-radial pulsations on the rapidly rotating O star ζ Ophiuchi and several other Be stars, and on many δ Scuti variables. I pointed out the existence of super-speckles caused by dome seeing in adaptive optical imaging and, with Jacques Baudrand, demonstrated how to eliminate modal noise from fibre-fed spectrographs. Arguably, with Campbell and Yang we discovered the first planet orbiting another sun-like star (for which we shared the Muhlmann Prize in 1989). I have supervised 23 MSc and PhD candidates. I was a member of both the scientific teams and Boards of CFHT and Gemini and also Canadian Project Scientist for Gemini. I was Project Scientist for Starlab a joint US Canada Australian satellite project, eventually unfunded. I have authored or co-authored 180 refereed papers and produced a university level text book ‘Astronomical Observations’ which saw more than one printing including a Russian version. I was elected to Academy III of the Royal Society of Canada in 1975 and am still involved in peer reviews of, or partake in, new spectrograph designs for Gemini and CFHT.

Graduate Students Supervised

	Program	Start	Finish		Program	Start	Finish
Isherwood, B.C.	M.Sc.		1971	Goldberg, B.A.	Ph.D.		1973
Buchholz, V.	M.Sc.		1972	Mochacki, S.	Ph.D.		1978
Thompson, H.I.	M.Sc.		1974	Condal, A.	Ph.D.		1979
Allison, A.M.	M.Sc.		1976	Ninkov, Z.	Ph.D.	1979	1985
Lester, T.	M.Sc.		1977	Yang, S.	Ph.D.	1980	1986
Yang, S.	M.Sc.	1977	1980	Kennelly, E.	Ph.D.	1990	1994
Millward, C.G.	M.Sc.	1981	1983	Burley, G.	Ph.D.	1991	1997
Fraser, G.	M.Sc.	1982	1985	Chapman, S.	Ph.D.	1996	1999
Hill, G.M.	M.Sc.	1986	1988	Shkolnik, E.	Ph.D.	2001	2004
Kennelly, E.	M.Sc.	1988	1990				
Dinshaw, N.	M.Sc.	1989	1991				
Walker, A.	M.Sc.	1991	1993				
Jiang, Y.	M.Sc.	1991	1993				
Chapman, S.	M.Sc.	1995	1996				

RESEARCH FUNDING

currently none

AWARDS

Royal Society of Edinburgh - Carnegie Scholarship (1958-60)

University of Cambridge - Isaac Newton Studentship (1961-62)

Royal Society of Canada, Academy III (elected 1975)

Killam Senior Fellowship (1974-75)

CNRS, France bilateral exchange (1974-75)

Killam Senior Fellowship (1981-82)

Deutsche Forschungsgemeinschaft bilateral exchange (1988-89)

Muhlmann Prize for scientific work at Mauna Kea Observatory - together with S. Yang and B. Campbell (1989)

Carlyle S. Beales award of the CASCA for a lifetime of innovative research (1998)

Minor Planet 114725 Gordonwalker, named (2012)

I. REFEREED PUBLICATIONS

1. **Walker, G.A.H.**, 1961, "Photoelectric Measurements of the 3883 Å CN band", Observatory 80:233-.
2. **Walker, G.A.H.**, 1962, "The Ratio of Total to Selective Absorption", Observatory 82:52-.
3. **Walker, G.A.H.**, 1962, "Photoelectric Measures of the 4430 Å Diffuse Interstellar Absorption Band", MNRAS 125:141-.
4. **Walker, G.A.H.**, 1963, "The Ratio of Total to Selective Absorption for the Orion Nebula", Astrophys. J. 140:1613-.
5. **Walker, G.A.H.**, 1963, "The Cepheus IV Association", Ap. J. 141:660-.
6. **Walker, G.A.H.**, 1965, "Optical Observations Related to Radio Astronomy", Trans. R.S. Canada III Ser. IV, 431-.
7. Underhill, A.B. and **Walker, G.A.H.**, 1966, "The Shape of the Interstellar Reddening Curve", MN 131:475-.
8. **Walker, G.A.H.** and Hodge, S.G., 1966, "Equivalent Widths and Half Widths of the 4388 and 4471 He I Lines, Rotational Velocities and 4430 Å Central Depths for 450 O to B5 Stars", D.A.O. Pub. XLL No. 14.
9. **Walker, G.A.H.**, 1966, "The Extended Wings of the λ 4430 Interstellar Absorption Band", Observatory 86:117-.
10. Deeming, T.J. and **Walker, G.A.H.**, 1967, "Helium in the Galactic Disc B Stars", Nature 213:479-.
11. Deeming, T.J. and **Walker, G.A.H.**, 1967, "Measures of Interstellar λ 4430 Absorption" Z.F. Ap. 66 175-184.
12. Deeming, T.J. and **Walker, G.A.H.**, 1967, "H γ and He I Lines in O9-B5 Spectra", Z.F. Ap. 66:475-.
13. Deeming, T.J. and **Walker, G.A.H.**, 1967, "Variable Interstellar λ 4430 Absorption", Observatory 88:167-.
14. **Walker, G.A.H.** and Hodge, S.M., 1968, "Spectral Types and H γ Observations for Stars in Eight Associations", Publications of the Astron. Soc. of the Pac. 80:290-.
15. **Walker, G.A.H.** and Morris, S.C., 1968, "H γ Observations for Fourteen of Feige's Faint Blue Stars", P.A.S.P. 80:238-.
16. **Walker, G.A.H.**, 1969, "Studies of the Interstellar Medium at the D.A.O.", RASC J. 62:361-.
17. **Walker, G.A.H.** and Morris, S.C., 1968, "U B V Photometry of Anon b4 and NGC 2081 in the LMC", A.J. 73:772-.

18. **Walker, G.A.H.**, Morris, S.C. and Younger, P.F., 1969, "Photoelectric Scanner Observations of CH Cygni for August 3, 1967", *Ap. J.* 156:117-.
19. **Walker, G.A.H.**, Hutchings, J.B. and Younger, P.F., 1969, "Interstellar Extinction Anomalies and the Diffuse Interstellar Bands", *A.J.* 74:1061-1066.
20. **Walker, G.A.H.**, Andrews, D., Hill, G., Morris, S.C., Smyth, W. and White, J., 1970, "A Four-Channel Five-Colour Photometer", *D.A.O. Publications XIII*, Pt. 17 415-425.
21. **Walker, G.A.H.**, Auman, J.R., Buchholz, V., Goldberg, B., and Isherwood, B., 1971, "Direct Analysis of Spectra by Image Isocon and Computer", *Publications of the Roy. Observ. Edinburgh* 8:86- .
22. Hill, G., Morris, S.C. and **Walker, G.A.H.**, 1971, "Standard Stars for the Five-Colour Photometric System of the Dominion Astrophysical Observatory", *A.J.* 76:246-251.
23. Hutchings, J.B., **Walker, G.A.H.**, Auman, J.R. and Gower, A.C., 1971, "Ultrarapid Activity at $H\alpha$ in the Spectra of Be Stars", *Ap. J. Lett.* 170:73-76.
24. Ulrych, T.J., Auman, J.R., Eilek, J.A. and **Walker, G.A.H.**, 1972, "Resolution Enhancement of Astronomical Spectra", *Astron. and Astrophys.*, 21:125-130.
25. **Walker, G.A.H.**, Auman, J.R., Buchholz, V.L., Goldberg, B.A., Gower, A.C., Isherwood, B.C., Knight, R., Wright, D., 1972, "Application of an Image Isocon and Computer to Direct Digitisation of Astronomical Spectra", *Adv. in E.E.P.* 33B:819-834 (London, Academic Press).
26. Hutchings, J.B., Crampton, D., Glaspey, J., **Walker, G.A.H.**, 1973, "Optical Observations and Model for Cygnus X-1", *Ap. J.* 182:549-557.
27. Glaspey, J.W. and **Walker, G.A.H.**, 1973, "A Search for Rapid Spectral Variations in 10 Lacertae", *PASP* 85:188-190.
28. Eilek, J.A., Auman, J.R., Ulrych, T.J., **Walker, G.A.H.**, 1973, "On the Emission Lines of N.G.C. 1068", *Ap. J.* 182:363-386.
29. **Walker, G.A.H.**, Buchholz, V., Fahlman, G.G., Glaspey, J.W., 1973, " $H\alpha$ Observations of Algol on 2nd September 1972", *Astron. J.* 78, No. 8.
30. Hutchings, J.B., Cowley, A.P., Crampton, D., Fahlman, G.G., Glaspey, J.W., and **Walker, G.A.H.**, 1974, "H-Alpha emission in Cygnus X-1", *Ap. J.* 191, 738-748.
31. **Walker, G.A.H.**, Buchholz, V.L., Camp, D., Isherwood, B., Glaspey, J., Coutts, R., Condal, A., and Gower, J., 1974, "A compact multichannel spectrometer for field use", *Rev. Sci. Instr.* 45, 1349-1352.
32. Goldberg, B.A., **Walker, G.A.H.**, Odgers, G.J., 1974, "Variations in the spectrum of β Cepheii", *Astron. & Ap.* 32, 355-362.
33. Fahlman, G.G., **Walker, G.A.H.**, 1976, "Differential interstellar polarisation in the region of $\lambda 6284$ for HD183143", *Ap.J.*, 200, 22-29.

34. Eilek, J.A., **Walker, G.A.H.**, 1976, "Variable Ca II H and K emission in the spectrum of λ Andromedae", PASP 88, 137-140.
35. Goldberg, B.A., **Walker, G.A.H.**, Odgers, G.J., 1976, "The variations of BW Vulpeculae", A.J. 81, 433-444.
36. Glaspey, J.W., **Walker, G.A.H.**, Stockton, A., 1976, "Spectroscopic observations of Seyfert galaxy nuclei", Ap.J. 200, 27-32.
37. Hutchings, J.B., **Walker, G.A.H.**, 1976, "13.9 minute periodicity in X Persei (=3U 0352 +30?)", PASP 88, 754-758.
38. Fahlman, G.G., Carlberg, R.G., **Walker, G.A.H.**, 1977, "Spectrum variations of the x-ray binary HD153919=3U 1700-37", Ap.J. 217, 35-39.
39. Mochnecki, S.W., **Walker, G.A.H.**, 1978, "BVR photometry of MI5", PASP 90, 379-385.
40. **Walker, G.A.H.**, Yang, S., Glaspey, J.W., 1978., "HeII (λ 4686) emission in the spectrum of HDE 226868 (Cyg X-1)", Ap.J. 226, 976-983
41. **Walker, G.A.H.**, Speers, G.E., Pritchett, C., Glaspey, J.W., 1979, "Variations in the hydrogen emission lines of Nova V1500 Cygni", PASP 91, 446-451.
42. Campbell, B., **Walker, G.A.H.**, 1979, "Precision radial velocities with an absorption cell", PASP 91, 540-545.
43. **Walker, G.A.H.**, Yang, S., Fahlman, G.G., 1979, "Spectral variations in ζ Ophiuchi related to rotation", Ap.J. 233, 199-204.
44. **Walker, G.A.H.**, Yang, S., Fahlman, G.G., Witt, A.N., 1980, "The extinction of HD 200775 by dust in NGC 7023", PASP 92, 411-417.
45. Fahlman, G.G., **Walker, G.A.H.**, 1980, "The spectrum variations of HD 153919", Ap.J. 240, 169-179.
46. Condal, A., Fahlman, G.G., **Walker, G.A.H.**, Glaspey, J.J., 1981, "The reddening and near-infrared spectrum of NGC 7027", PASP 93, 191-201.
47. Condal, A., Pritchett, C., Fahlman, G.G., **Walker, G.A.H.**, 1981, "Ionisation structure and partial obscuration of the planetary nebulae NGC 3132 and 3242", PASP 93, 695-702.
48. Kjærgaard, P., **Walker, G.A.H.**, Yang, S., 1981, "Spectra of the red (2,0) CN band in 31 G and K giant stars", A. and A. Supp. Ser. 46, 375-388.
49. Hickson, P., Fahlman, G.G., Auman, J.R., **Walker, G.A.H.**, Menon, T.K., Ninkov, Z., 1982, "CCD photometry of Markarian 421 and 501", Ap.J. 258, 53-58.
50. Yang, S., **Walker, G.A.H.**, Fahlman, G.G., Campbell, B., 1982, "Radial velocity variations of the δ Scuti variable β Cassiopeiae", PASP 94, 317-321.

51. **Walker, G.A.H.**, Moyles, K., Yang, S., Fahlman, G.G., 1982, "The line profile variations of Spica", PASP 94, 143-148.
52. Witt, A.N., **Walker, G.A.H.**, Bohlin, R.C., Stecher, T.P., 1982, "The scattering phase function of interstellar grains: the case of the reflection nebula NGC 7023", Ap.J. 261, 492-509.
53. Kjærgaard, P., Gustafsson, B., **Walker, G.A.H.**, Hultquist, L., 1982, "Carbon, nitrogen and oxygen abundances in G8-K3 giant stars", A. and A. 115, 145-163.
54. Millward, C.G., **Walker, G.A.H.**, 1985, "An empirical $H\gamma$ -luminosity calibration for class V-III stars", Ap.J. Supp., 57, 63-76.
55. **Walker, G.A.H.**, Millward, C.G., 1985, "A convincing M_V - $W(H\gamma)$ calibration for A and B supergiants", Ap.J., 289, 669-675.
56. Hill, G.M., **Walker, G.A.H.**, Yang, S., 1986, "The M_V - $W(H\gamma)$ calibration for O6 to A3 supergiants", PASP, 98, 1186-92.
57. Yang, S., **Walker, G.A.H.**, 1986, "Radial velocity variations of the Delta-Scuti star 20 CVn.", PASP, 98, 862-6.
58. Yang, S., **Walker, G.A.H.**, 1986, "Nonradial oscillations of the Delta-Scuti star σ^1 Eri", PASP, 98, 1156-1161 .
59. Krelowski, J., **Walker, G.A.H.**, 1987, "Three families of diffuse interstellar bands", Ap.J., 312, 860-7.
60. Krelowski, J., **Walker, G.A.H.**, Grieve, G.R., Hill, G., 1987, "Interdependence of the 4430Å diffuse interstellar band, polarisation, and uv extinction", Ap.J., 316, 449-457.
61. Ninkov, Z., **Walker, G.A.H.**, Yang, S., 1987, "The primary orbit and absorption lines of HDE 226868 (Cynus X-1)", Ap.J., 321, 425-437.
62. Ninkov, Z., **Walker, G.A.H.**, Yang, S., 1987, "The He II 4686Å and $H\alpha$ emission lines of Cygnus X-1", Ap.J., 321 438-446.
63. Ninkov, Z., Yang, S., Hill, G.M., **Walker, G.A.H.**, 1987, "New emission lines in the spectra of O and Of stars", PASP 99, 284-287.
64. Yang, S., **Walker, G.A.H.**, Bennett, P., 1987, "The spectral variations of Rho Puppis", PASP 99, 425-438.
65. **Walker, G.A.H.**, Yang, S., Fahlman, G.G., 1987, "Discovery of high-degree nonradial oscillations in rapidly rotating δ Scuti stars", Ap.J. Letters, 320, L139-L144.
66. Matthews, J.M., Wehlau, W.H., **Walker, G.A.H.**, Yang, S., 1988, "Detection of radial velocity variations in the rapidly oscillating Ap star HR1217", Ap.J. 324, 1099-1105.
67. Yang, S., Ninkov, Z., **Walker, G.A.H.**, 1988, "Nonradial oscillations of the Be star γ Casiopeiae", PASP 100, 233-242.

68. Hill, G.M., **Walker, G.A.H.**, Dinshaw, N., Yang, S., Harmanec, P., 1988, "Omicron Andromedae is Quadruple", PASP, 100, 243-250.
69. Campbell, B.E., **Walker, G.A.H.**, Yang, S., 1988, "A search for substellar companions to solar type stars", Ap.J. 331, 902-921.
70. Hill, G.M., **Walker, G.A.H.**, Yang, S., Harmanec, F., 1989, "Line profile variations and dimensions of the Be star *o* Andromedae", PASP, 101, 258-273.
71. Irwin, A.W., Campbell, B., Moreby, C.L., **Walker, G.A.H.**, Yang, S., 1989, "Long-period radial-velocity variations of Arcturus", PASP, 101, 147-159.
72. **Walker, G.A.H.**, Yang, S., Irwin, A.W., Campbell, B., 1989, "Yellow Giants: a new class of radial-velocity variable", Ap.J. Letters, 343, L21-24.
73. Dinshaw, N., Matthews, J.M., **Walker, G.A.H.**, Hill, G.M., 1989, "The radial velocity variations of Polaris: a Cepheid leaving the instability strip?", A.J., 98, 2249-2263.
74. Yang, S., **Walker, G.A.H.**, Hill, G.M., Harmanec, P., 1990, "Rapid line profile variations of the Be star ξ Tauri", Ap.J. Suppl., 74, 595-608.
75. Matthews, J.M., Wehlau, W.H., **Walker, G.A.H.**, 1990, "Rapid infrared photometry of pulsating Ap stars: a measurement of stellar limb darkening", Ap.J. Letters, 365, L81-84.
76. **Walker, G.A.H.**, Johnson, R., Richardson, D., Campbell, B., Yang, S., 1990, "Cross-talk in 1872 Reticon diode arrays", PASP 102, 1418-9.
77. Harmanec, P., Matthews, J.M., Wehlau, W.H., Bohlender, D.A., **Walker, G.A.H.**, Yang, S., et al., 1991, "Properties and nature of Be stars: 15. Light variations of LQ And and its check stars revisited", Bull. Astron. Inst. Czech, 42, 1-16.
78. Matthews, J.M., Harmanec, P., **Walker, G.A.H.**, Yang, S., Wehlau, W.H., 1991, "Spectroscopic variations of the Be star LQ And: Binarity and Rotation", MNRAS 248, 787-803.
79. Hill, G.M., **Walker, G.A.H.**, Yang, S., 1991, "Line profile variability of the Be star κ Draconis", A & A 246, 146-152.
80. Kennelly, E.J., **Walker, G.A.H.**, Hubeny, I., 1992., "A nonradial pulsation model for the rapidly rotating δ Scuti star κ^2 Bootis", PASP 103, 1250-7
81. Kennelly, E.J., Yang, S., **Walker, G.A.H.**, Hubeny, I., 1992, "Detection of high-degree nonradial pulsations in γ Bootis", PASP 104, 15-22.
82. Irwin, A., Yang, S., **Walker, G.A.H.**, 1992, "A precise radial velocity determination of the orbit of χ^1 Orionis", PASP 104, 101-105.
83. Irwin, A.W., Fletcher, J.M., Yang, S., **Walker, G.A.H.**, Goodenough, C., 1992, "The orbit and mass of Procyon", PASP 104, 489-499.
84. **Walker, G.A.H.**, Bohlender, D.A., Walker, A.R., Irwin, A.W., Yang, S.L.S., Larson, A., 1992, " γ Cephei: rotation or planetary companion?", Ap.J. Letters, 396, 91-94.

85. Kennelly, E.J., **Walker, G.A.H.**, Merryfield, W.J., 1992, " τ Pegasi: a Fourier representation of line-profile variations", *Ap.J. Letters*, 400, 71-74.
86. Bohlender, D.A., Irwin, A.W., Yang, S.L.S., **Walker, G.A.H.**, 1992, "Precise ΔT_{eff} and $\Delta(R-I)$ for Solar-type stars", *PASP* 104, 1152-1159.
87. Larson, A.M., Irwin, A.W., Yang, S.L.S., Goodenough, C., **Walker, G.A.H.**, Walker, A.R., Bohlender, D.A., 1993., "The Ca λ 8662 index of chromospheric activity: the case of 61 Cygni A", *PASP* 105, 332-6
88. **Walker, G.**, Dinshaw, N., Saddlemayer, L., Younger, F., 1993, "Spectropolarimetry with a cube beam splitter", *Experimental Astronomy*, 2, 391-398.
89. Larson, A.M., Irwin, A.W., Yang, S.L.S., Goodenough, C., **Walker, G.A.H.**, Walker, A.R., 1993, "A low-amplitude periodicity in the radial velocity and chromospheric emission of β Geminorum", *PASP* 105, 825-831.
90. Kambe, E., Ando, H., Hirata, R., **Walker, G.A.H.**, Kennelly, E.J., Matthews, J.M., 1993, "Line profile variation of λ Eri in emission and quiescence", *PASP* 105, 1222-1231.
91. Bohlender, D.A., **Walker, G.A.H.**, 1994, "131 Tau: another λ Bootis star with a shell", *Mon. Not. R. Astron. Soc.* 266, 891-896.
92. **Walker, G.A.H.**, Walker, A.R., Racine, R., Fletcher, J.M., McClure, R.D., 1994, "Direct imaging of faint stellar companions", *PASP*, 106, 356-362.
93. Hickson, P., Borra, E.F., Cabanac, R., Content, R., Gibson, B., **Walker, G.A.H.**, 1994, "UBC/Laval 2.7 meter liquid mirror telescope", *Ap.J. (Letters)*, 436, L201-L204.
94. Tarasov, A.E., Harmanec, P., Horn, J., Lyubinkov, L.S., Rostopchin, S.I., Koubsky, P., Blake, C., Kostuun, V.V., **Walker, G.A.H.**, Yang, S., 1995, "The archetype line-profile variable ϵ 45 Per is a spectroscopic triple system", *A & A, Supplement Series*, 110, 59-79.
95. Blake, C.C., Marlborough, J.M., **Walker, G.A.H.**, Fahlman, G.G., 1995, "HeI λ 5876 line profile variations in the massive x-ray binary system HD 153919/4U 1700-37", 1995, *A.J.*, 109, 2698-2705.
96. **Walker, G.A.H.**, Walker, A.R., Irwin, A.W., Larson, A.M., Yang, S.L.S., Richardson, D., 1995, "A search for Jupiter-mass companions to nearby stars", *Icarus*, 116, 359-375
97. Harmanec, P., Morand, F., Bonneau, D., Jiang, Y., Yang, S., Guinan, E.F., Hall, D.S., Mourard, D., Hadrava, P., Božić, H., Sterken, C., Tallon-Bosc, I., **Walker, G.A.H.**, McCook, G.P., Vakili, F., Stee, Ph., Le Contel, J.M., 1996, "Jet-like structures in β Lyrae", *A&A*, 312, 879-896.
98. Matthews, J.M., Wehlau, W.H., Rice, J., **Walker, G.A.H.**, 1996, "Opening a new window on Ap star atmospheres: a T- τ relation for HR3831 from its limb-darkened pulsation amplitudes", *Ap.J.*, 459, 278-287.

99. Kennelly, E.J., **Walker, G.A.H.**, 1996, "The line-profile variations of θ^2 Tau", *PASP*, 108, 327-331.
100. Irwin, A.W., Yang, S.L.S., **Walker, G.A.H.**, 1996, "36 Ophiuchi AB: incompatibility of the orbit and precise radial velocities", *PASP*, 108, 580-590.
101. Burley, G.S., Chapman, S., **Walker, G.A.H.**, Parameswaran, A., 1996, "A precisely aligned CCD mosaic, *PASP*", 108, 1024-1027.
102. Kambe, E., Hirata, R., Ando, H., Cuypers, J., Katoh, M., Kennelly, E.J., **Walker, G.A.H.**, Štefl, S., Tarasov, A.E., 1997, "Multiperiodicity of ζ Ophiuchi from multisite observations", *Ap.J.*, 481, 406-419.
103. Burley, G.S., **Walker, G.A.H.**, Johnson, R., 1998, "A versatile CCD wave front curvature sensor", *PASP*, 110, 330-338.
104. Burley, G.S., Stilburn, J.R., **Walker, G.A.H.**, 1998, "Membrane mirror and bias electronics, *Applied Optics* 21", 4649-4655.
105. Racine, R., **Walker, G.A.H.**, Nadeau, D., Doyon, R., Marois, C., 1999, "Speckle noise and the detection of faint companions", *PASP*, 111, 587-594.
106. Motylewski, T., Linnartz, H., Vaizert, O., Maier, J.P., Galautdinov, G.A., Musaev, F.A., Krelowski, J., **Walker, G.A.H.**, Bohlender, D.A., 2000, "Gas phase electronic spectra of carbon chain radicals compared with diffuse interstellar band observations", *Ap.J.*, 531, 312-320.
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