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★: most significant contributions

## A) Books

1. Hearnshaw, J.B., *Cosmic Essays*  
53 popular essays on astronomy to celebrate the International Year of Astronomy, 2009. Published by the author, May 2010. ISBN: 9 78-0-473-16933-6.  
pp. 105
- ★ 2. Hearnshaw, J.B., *Astronomical spectrographs and their history*  
Cambridge University Press, 2009. ISBN-13: 9780521882576 (Eight chapters, 240 pp., ~ 900 references to original papers, 160 drawings or figures).
- ★ 3. Hearnshaw, J.B., *The measurement of starlight — two centuries of stellar photometry (book on the historical development of stellar photometry)*.  
ISBN 13 9780 521 018289, Cambridge University Press, 2005: pp. 511+xiv  
New paperback edition published August 2005.
- ★ 4. Hearnshaw, J.B., *The measurement of starlight — two centuries of stellar photometry (book on the historical development of stellar photometry)*.  
ISBN 0 521 40393 6, Cambridge University Press, 1996: pp. 511+xiv
- ★ 5. Hearnshaw, J.B., *The analysis of starlight: one hundred and fifty years of astronomical spectroscopy*  
ISBN 0 521 39916 5, Cambridge Univ. Press, 1990: pp. 531 + xv  
New paperback edition published 1990.
- ★ 6. Hearnshaw, J.B., *The analysis of starlight: one hundred and fifty years of astronomical spectroscopy*  
ISBN 0 521 25548 1, Cambridge Univ. Press, 1986: pp. 531 + xv

## B) Refereed papers in scholarly journals

1. Hwang, K.-H., Udalski, A., Han, C., Ryu, Y.-H., Bond, I. A., Beaulieu, J.-P., Dominik, M., Horne, K., Gould, A., Gaudi, B. S., Kubiak, M., Szymański, M. K., Pietrzyński, G., Soszyński, I., Szewczyk, O., Ulaczyk, K., Wyrzykowski,

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2. Ryu, Y.-H., Han, C., Hwang, K.-H., Street, R., Udalski, A., Sumi, T., Fukui, A., Beaulieu, J.-P., Gould, A., Dominik, M., Abe, F., Bennett, D. P., Bond, I. A., Botzler, C. S., Furusawa, K., Hayashi, F., Hearnshaw, J. B., Hosaka, S., Itow, Y., Kamiya, K., Kilmartin, P. M., Korpela, A., Lin, W., Ling, C. H., Makita, S., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nishimoto, K., Ohnishi, K., Perrott, Y. C., Rattenbury, N., Saito, To., Skuljan, L., Sullivan, D. J., Suzuki, D., Sweatman, W. L., Tristram, P. J., Wada, K., Yock, P. C. M., (The MOA Collaboration), Szymański, M. K., Kubiak, M., Pietrzyński, G., Poleski, R., Soszyński, I., Szewczyk, O., Wyrzykowski, Ł., Ulaczyk, K., (The OGLE Collaboration), Bos, M., Christie, G. W., Depoy, D. L., Gal-Yam, A., Gaudi, B. S., Kaspi, S., Lee, C.-U., Maoz, D., McCormick, J., Monard, B., Moorhouse, D., Pogge, R. W., Polishook, D., Shvartzvald, Y., Shporer, A., Thornley, G., Yee, J. C., (The MicroFUN Collaboration), Albrow, M. D., Batista, V., Brilliant, S., Cassan, A., Cole, A., Corrales, E., Coutures, Ch., Dieters, S., Fouqué, P., Greenhill, J., Menzies, J., (The PLANET Collaboration), Allan, A., Bramich, D. M., Browne, P., Horne, K., Kains, N., Snodgrass, C., Steele, I., Tsapras, Y., (The RoboNet Collaboration), Bozza, V., Burgdorf, M. J., Calchi Novati, S., Dreizler, S., Finet, F., Glittrup, M., Grundahl, F., Harpsøe, K., Hessman, F. V., Hinse, T. C., Hundertmark, M., Jørgensen, U. G., Liebig, C., Maier, G., Mancini, L., Mathiasen, M., Rahvar, S., Ricci, D., Scarpetta, G., Skottfelt, J., Surdej, J., Southworth, J., Wambsganss, J., Zimmer, F., (The MiNDSTeP Collabo-

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3. Gould, A., Dong, Subo, Gaudi, B. S., Udalski, A., Bond, I. A., Greenhill, J., Street, R. A., Dominik, M., Sumi, T., Szymański, M. K., Han, C., Allen, W., Bolt, G., Bos, M., Christie, G. W., DePoy, D. L., Drummond, J., Eastman, J. D., Gal-Yam, A., Higgins, D., Janczak, J., Kaspi, S., Kozłowski, S., Lee, C.-U., Mallia, F., Maury, A., Maoz, D., McCormick, J., Monard, L. A. G., Moorhouse, D., Morgan, N., Natusch, T., Ofek, E. O., Park, B.-G., Pogge, R. W., Polishook, D., Santallo, R., Shporer, A., Spector, O., Thornley, G., Yee, J. C., (MicroFUN Collaboration), Kubiak, M., Pietrzyński, G., Soszyński, I., Szezyzyk, O., Wyrzykowski, Ł., Ulaczyk, K., Poleski, R., (OGLE Collaboration), Abe, F., Bennett, D. P., Botzler, C. S., Douchin, D., Freeman, M., Fukui, A., Furusawa, K., Hearnshaw, J. B., Hosaka, S., Itow, Y., Kamiya, K., Kilmartin, P. M., Korpela, A., Lin, W., Ling, C. H., Makita, S., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagaya, M., Nishimoto, K., Ohnishi, K., Okumura, T., Perrott, Y. C., Philpott, L., Rattenbury, N., Saito, To., Sako, T., Sullivan, D. J., Sweatman, W. L., Tristram, P. J., von Seggern, E., Yock, P. C. M., (MOA Collaboration), Albrow, M., Batista, V., Beaulieu, J. P., Brilliant, S., Caldwell, J., Calitz, J. J., Cassan, A., Cole, A., Cook, K., Coutures, C., Dieters, S., Dominis Prester, D., Donatowicz, J., Fouqué, P., Hill, K., Hoffman, M., Jablonski, F., Kane, S. R., Kains, N., Kubas, D., Marquette, J.-B., Martin, R., Martioli, E., Meintjes, P., Menzies, J., Pedretti, E., Pollard, K., Sahu, K. C., Vinter, C., Wambsganss, J., Watson, R., Williams, A., Zub, M., (PLANET Collaboration), Allan, A., Bode, M. F., Bramich, D. M., Burgdorf, M. J., Clay, N., Fraser, S., Hawkins, E., Horne, K., Kerins, E., Lister, T. A., Mottram, C., Saunders, E. S., Snodgrass, C., Steele, I. A., Tsapras, Y., RoboNet Collaboration, Jørgensen, U. G., Anguita, T., Bozza, V., Calchi Novati, S., Harpse, K., Hinse, T. C., Hundertmark, M., Kjaergaard, P., Liebig, C., Mancini, L., Masi, G., Mathiasen, M., Rahvar, S., Ricci, D., Scarpetta, G., Southworth, J., Surdej, J., Thöne, C. C., (MiNDSTEP Consortium), Frequency of Solar-like Systems and of Ice and Gas Giants Beyond the Snow Line from High-magnification Microlensing Events in 2005-2008. *Astrophys. J.*, **720**, 2010: 1073–1089
4. Hwang, K.-H., Han, C., Bond, I. A., Miyake, N., Abe, F., Bennett, D. P., Botzler, C. S., Fukui, A., Furusawa, K., Hayashi, F., Hearnshaw, J. B.,

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5. Komonjinda, S., Hearnshaw, J.B. & Ramm, D.J., Orbital solutions for six spectroscopic binaries with circular or nearly circular orbits (Paper 1), in press *Mon. Not. R. Astron. Soc.*, October 2010
  6. Komonjinda, S., Hearnshaw, J.B. & Ramm, D.J., Orbital solutions for spectroscopic binaries. Paper 2: Six additional binaries with circular or nearly circular orbits, in preparation for *Mon. Not. R. Astron. Soc.*, to be submitted November 2010
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  9. Sumi, T., Bennett, D. P., Bond, I. A., Udalski, A., Batista, V., Dominik, M., Fouqué, P., Kubas, D., Gould, A., Macintosh, B., Cook, K., Dong, S., Skuljan, L., Cassan, A., (The MOA Collaboration:) F. Abe, Botzler, C. S., Fukui, A., Furusawa, K., Hearnshaw, J. B., Itow, Y., Kamiya, K., Kilmartin, P. M., Korpela, A., Lin, W., Ling, C. H., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagaya, M., Nagayama, T., Ohnishi, K., Okumura, T., Perrott, Y. C., Rattenbury, N., Saito, To., Sako, T., Sullivan, D. J., Sweatman, W. L., P., Yock, P. C. M., (The PLANET Collaboration:) J. P. Beaulieu, Cole, A., Coutures, Ch., Duran, M. F., Greenhill, J., Jablonski, F., Marboeuf, U., Martioli, E., Pedretti, E., Pejcha, O., Rojo, P., Albrow, M. D., Brilliant, S., Bode, M., Bramich, D. M., Burgdorf, M. J., Caldwell, J. A. R., Calitz, H., Corrales, E., Dieters, S., Dominis Prester, D., Donatowicz, J., Hill, K., Hoffman, M., Horne, K., J, U. G., Kains, N., Kane, S., Marquette, J. B.,

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II: *Southern Stars* **28**, 1980: 187–97.
44. Hearnshaw, J.B., Moving groups of stars  
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45. Hearnshaw, J.B. & Oliver, J.P., HD 5303: a new southern RS CVn binary  
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## F) Creative works and popular articles

1. I am one of 27 astronomers around the world contributing to the *Cosmic Diary*, one of eleven cornerstone projects of the International Year of Astronomy 2009. The *Cosmic Diary* ([www.cosmicdiary.org](http://www.cosmicdiary.org)) is an on-line blog about astronomy to promote the public understanding of astronomy and science. I am writing a weekly article on astronomy throughout 2009 and the articles written January to June 2009 are as follows:
  - (a) Why I became an astronomer (1 Jan)
  - (b) The value of astronomy (8 Jan)
  - (c) Mt John Observatory, New Zealand (15 Jan)
  - (d) The science of croquet (22 Jan)

- (e) The IAU Program Group for the World-wide development of Astronomy (29 Jan)
- (f) The astronomical heritage of New Zealand (5 Feb)
- (g) Astronomical spectrographs and their history (12 Feb)
- (h) The year ahead – what I plan for 2009 IYA (19 Feb)
- (i) In praise of astronomical libraries (26 Feb)
- (j) Astronomy in Mongolia (5 Mar)
- (k) Boötes-3: a new robotic telescope in New Zealand (12 Mar)
- (l) Un séjour en Île Maurice – a trip to Mauritius (19 Mar)
- (m) A crisis in astronomical publishing (26 Mar)
- (n) UNESCO’s Starlight Reserve Initiative and the Tekapo bid (2 Apr)
- (o) First impressions of Granada, Spain (9 Apr)
- (p) How we designed and built the Hercules spectrograph at Mt John Observatory, New Zealand (16 Apr)
- (q) Incredible nu Octantis – a close binary with a possible planet? (23 Apr)
- (r) The MOA project and how to discover planets by microlensing (30 Apr)
- (s) Astronomy in Cuba (7 May)
- (t) A rendez-vous in Madrid (14 May)
- (u) 31 Aquilae – my first paper (21 May)
- (v) Recollections of three great photometrists: Whitford, Eggen and Cousins (28 May)
- (w) On the Silk Road to Samarkand – Astronomy in Uzbekistan (4 Jun)
- (x) A visit to Barcelona (11 Jun)
- (y) The 25 greatest discoveries in astronomy and astrophysics of the 20th century (18 Jun)
- (z) Doppler and Vogel – two great pioneers in astronomy (25 Jun)

All these articles so far can be viewed at [www.cosmicdiary.org/blogs/john\\_earnshaw](http://www.cosmicdiary.org/blogs/john_earnshaw). The International Year of Astronomy 2009 has been declared by the International Astronomical Union with the support of UNESCO and the United Nations, and is to celebrate the first use of a telescope in astronomy by Galileo in 1609. It is hoped to publish all 52 articles in a book format in 2010.

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## G) Other (book reviews)

1. Hearnshaw, J.B., Astronomical instrumentation and the birth and growth of astrophysics, ed. by F.N. Bash and C. Sneden, *Astron. Soc. Pacific Conf. Ser.* **270** (2002). Reviewed in *The Observatory* **123**, 2003.
2. Hearnshaw, J.B., Explorers of the southern sky: a history of Australian astronomy, by R. & R. Haynes, D. Malin & R. McGee, Cambridge Univ. Press, 1996.  
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7. Hearnshaw, J.B., The natural history of the universe, by Colin Ronan, Transworld Publishing, 1991.  
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9. Hearnshaw, J.B., *The stars and their spectra*, by J. B. Kaler, Cambridge Univ. Press, 1989.  
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