

Observatorio Astronómico Ramón María Aller

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26 (DOUBLE STARS)

INFORMATION CIRCULAR No. 122 (FEBRUARY 1994)

NEW ORBITS

ADS Name	P (yr)	T	e	W(2000)	1994	Author
RA 2000 DEC	n (deg)	a (")	i (deg)	w (deg)	1995	Last ob.
8092 A 1353	123.60	1961.70	0.659	46.9	219.7 0.51	DOCOBO-LING
11136 N 5525	2.9126	0.380	117.9	41.7	219.1 0.52	1993.266
- SEE 219	65.00	1929.50	0.760	28.8	263.8 0.02	DOCOBO-LING
15088 S 4517	5.5385	0.350	77.5	291.4	19.0 0.07	1991.3896
12741 SEE 389	47.15	1992.07	0.147	149.0	150.0 0.16	DOCOBO-PRIETO
19398 S 2326	7.6352	0.188	94.9	328.0	149.2 0.16	1991.3928

GENERAL INFORMATION

Dr. Bambang Hidayat announces the submission to A. & A. of a paper reporting photographic observations of 221 visual double stars by Drs. Jasinta and Soegiartini of the Bosscha Observatory, Indonesia.

Following a suggestion made by Dr. G. M. Popovic we include the following list of papers published in 1993 with measurements or orbits of double stars.

BAIZE, P.: "Elements orbitaux de dix-neuf etoiles doubles" Astron. Astrophys. Suppl. Ser 99, 205-215 (1993).

BARLOW, D.J.; FEKEL, F.C.; SCARFE, C.D.: "A three-dimensional solution for the orbit of Capella". Publ. Astron. Soc. Pacific, 105, 476-486 (1993).

BEDDING, T.R.: "The orbit of the binary star Delta Scorpii". Astron. J. 106(2), 768-772 (1993).

COUTEAU, P.: "Etoiles doubles nouvelles (23d serie) decouvertes Nice avec la lunette de 50 cm". Astron. Astrophys. Suppl. Ser. 97, 511-515 (1993).

COUTEAU, P; DOCOBO, J.A.; LING, J.F.: "Mesures de binaires serrees faites au Pic du Midi" Astron. Astrophys. Suppl.

Ser. 100, 305-310 (1993).

DADONAS, V.; SPERAUSKAS, J.; TOKOVININ, A.: "Radial velocity measurements of chromospherically-active stars I. BD +25 2511" *Astrophysics Space Science* 200(2) 195-199 (1993).

DESSEL, VAN E., SINACHOPOULUS, D.: "CCD astrometry and instrumental DV photometry of wide visual double stars III. Differential measurements of often observed southern pairs *Astron. Astrophys. Suppl. Ser.* 100, 517-520 (1993).

DOCOBO, J.A.; PRIETO, C.: "Micrometer measurements of visual double stars made at the spanish observatories at Calar Alto and Fabra". *Astron. Astrophys. Suppl. Ser.* 100, 641-646 (1993).

FEKEL, F.C.; BROWNING, J.C.; HENRY, G.W.; MORTON, M.D.; HALL, D.S.: "Chromospherically active stars X. Spectroscopy and photometry of HD 212280". *Astron. J.* 105(6), 2265-2275 (1993).

FEKEL, F.C.; TOMKIN, J.: "The spectroscopic orbit of gamma Geminorum and search for its secondary" *Astron. J.* 106(3), 1156-1161 (1993).

HARTKOPF, W.I.; MASON, B.D.; BARRY, D.J.; McALISTER, H.A.; BAGNUOLO, W.G.; PRIETO, C.M.: "ICCD Speckle observations of binary stars VIII. Measurements during 1989-1991 from the Cerro Tololo 4 m telescope". *Astron. J.* 106(1), 352-360 (1993).

HEINTZ, W. D.: "The triple star ADS 440" *Publ. Astron. Soc. Pacific* 105, 44-44 (1993).

HEINTZ, W. D.; STROM, C.: "The visual binary Lambda Ophiuchi" *Publ. Astron. Soc. Pacific*, 105, 293-293(1993).

HEINTZ, W. D.: "Orbits of visual binaries" *Astron. Astrophys. Suppl. Ser.* 98, 209-212 (1993).

HEINTZ, W. D.: "The orbit of VW Cephei AB = HEI 7" *Publ. Astron. Soc. Pacific*, 105, 586-587 (1993).

LING, J.F.; LANCHARES, V.: "Micrometer measurements of visual double stars at Calar Alto" *Astron. Nachr.* 314(4), 303-305 (1993).

MASON, B.D.; McALISTER, H.A.; HARTKOPF, W.I.; BAGNUOLO, W.G. Jr.: "ICCD Speckle observations of binary stars. VII. A duplicity survey of the Hyades cluster". *Astron. J.* 105(1), 220-225 (1993).

MASON, B.D.; HARTKOPF, W.S.; McALISTER, H.A.; SOWELL, J.: "ICCD Speckle observations of binary stars. IX. A duplicity survey of the Pleiades, Praesepe and IC 4665 clusters" *Astron. J.* 106(2), 637-641 (1993).

- McALISTER, H.A.; MASON, B.D.; HARTKOPF, W.I.; SHARA, M.M.:** "ICCD Speckle observations of binary stars. X. A further survey for duplicity among the bright stars". *Astron. J.* 106(4), 1639-1655 (1993).
- MULLER, P.:** "Double star measurements made at Nice". *Astron. Astrophys. Suppl. Ser.* 102, 643-648 (1993).
- PAN, X.; SHAO, P.; COLAVITA, M.M.:** "High angular resolution measurements of Algol". *Astrophys. J.* 413, L129-L131 (1993).
- PETERSON, D.M.; STEFANIK, R.P.; LATHAM, D.W.:** "The spectroscopic orbit of theta Tauri". *Astron. J.* 105(6), 2260-2264 (1993).
- SMEKHOV, M.G.; TOKOVININ, A.A.:** "Radial velocity measurements of visual binaries". *Astron. Lett.* 19(2), 77-80 (1993).
- TOKOVININ, A. A.:** "Spectroscopic-visual orbits for two stars". *Astron. Lett.* 19(2), 73-77 (1993).

IN MEMORIAM

As many of you will know, Dr. Sylvain AREND, one of Europe's most noted astronomers, died on February 18th 1992. Dr. J. Dommanget of the Belgian Royal Observatory has requested that this sad occurrence be noted in the Information Circular.

Born in Robelmont, Luxemburg, in 1902, Sylvain Arend studied at the Free University, Brussels, where he obtained his doctorate in Physical Sciences and Mathematics with the highest honours. In 1928 he obtained a grant to work as an assistant at the Belgian Royal Observatory, with which he continued to be associated until his retirement in 1967 as Head of the Department of Astrometry and Celestial Mechanics.

Arend's main interests were astrometry and astrometric photography. The fruits of his extensive work in this field, summarized in his 80 or so papers, included the discovery of a nova (1952 Scuti), three comets (one of them the well-known Arend-Roland comet), numerous variable stars and fifty or so asteroids, as well as observations of the positions of literally thousands of other asteroids. Of particular relevance to IAU Commission 26, he was also responsible for putting new life into work on double stars at the Royal Observatory; following contacts with USA specialists during visits to the Yerkes, Mt. Wilson and McDonald observatories, he set up the Royal Observatory's 45 cm equatorial telescope, and went on to devise a new method for calculation of double star orbits.

ERRATUM

In Circular No. 121 the date of publication should, of course, read "OCTOBER 1993", not "OCTOBER 1994".

The deadline for contributions to Information Circular No. 123 is:

June 15th 1994

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