International Astronomical Union
Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 82

Editor-in-Chief:

C.D. Scarfe

Editors:

H. Drechsel
D.R. Faulkner
L.V. Glazunova
E. Lapasset
C. Maceroni
Y. Nakamura
P.G. Niarchos
R.G. Samec
W. Van Hamme
M. Wolf

Material published by March 15, 2006

BCB issues are available via URL:
http://www.konkoly.hu/IAUC42/bcb.html,
http://www.sternwarte.uni-erlangen.de/ftp/bcb or
http://orca.phys.uvic.ca/climenhaga/robb/bcb/comm42bcb.html
or via anonymous ftp from:
ftp://www.sternwarte.uni-erlangen.de/pub/bcb

The bibliographical entries for *Individual Stars* and *Collections of Data*, as well as a few *General* entries, are categorized according to the following coding scheme. Data from archives or databases, or previously published, are identified with an asterisk. The observation codes in the first four groups may be followed by one of the following wavelength codes.

g. γ-ray. i. infrared. m. microwave. o. optical
r. radio u. ultraviolet x. x-ray

1. Photometric data

a. CCD b. Photoelectric c. Photographic d. Visual

2. Spectroscopic data

a. Radial velocities b. Spectral classification c. Line identification d. Spectrophotometry

3. Polarimetry

a. Broad-band b. Spectropolarimetry

4. Astrometry

a. Positions and proper motions b. Relative positions only c. Interferometry

5. Derived results

a. Times of minima
b. New or improved ephemeris, period variations
c. Parameters derivable from light curves
d. Elements derivable from velocity curves
e. Absolute dimensions, masses
f. Apsidal motion and structure constants
g. Physical properties of stellar atmospheres
h. Chemical abundances
i. Accretion disks and accretion phenomena
j. Mass loss and mass exchange
k. Rotational velocities

6. Catalogues, discoveries, charts

a. Catalogues
b. Discoveries of new binaries and novae
c. Identification of optical counterparts of γ-ray, x-ray, IR, or radio sources
d. Finding charts

7. Observational techniques

a. New instrument development
b. Observing techniques
c. Reduction procedures
d. Data-analysis techniques

8. Theoretical investigations

a. Structure of binary systems
b. Circumstellar and circumbinary matter
c. Evolutionary models
d. Loss or exchange of mass and/or angular momentum

9. Statistical investigations

10. Miscellaneous

a. Abstract b. Addenda or errata

Abbreviations

AD	accretion disk	HMXB	high-mass x-ray binary	QPO	quasi-periodic oscillation
BH	black hole	IP	intermediate polar	RV	radial velocity
CB	close binary	LC	light curve	SB	spectroscopic binary
CV	cataclysmic variable	LMXB	low-mass x-ray binary	WD	white dwarf
EB	eclipsing binary	NS	neutron star	WR	Wolf-Rayet star

Individual Stars

o And	*Olević, D., Cvetković, Z.* 2006, AJ 131, 1721. (4a, 5e) New astrometric solution indicates primary, not secondary, is SB.
Z And	*Sokoloski, J.L. et al.* (13 authors) 2006, ApJ 636, 1002. (1, 2oux) Combination nova (nuclear runaway on the WD and optically thick shell ejection and dispersal).
BX And	*Kermani, M.H., Jassur, D.M.Z., Rahimi-Ardabili, M.Y.* 2005, Ap&SS 299, 307. (1ao, 5c)
CN And	*Jassur, D.M.Z., Khodadadi, A.* 2006, J. Ap. & Astron. 27, 47. (1o, 5cdej) Photometric modelling.
AE Aqr	*Itoh, K. et al.* (4 authors) 2006, ApJ 639, 397. (2x, 8b) Observations of hot plasma.
FF Aqr	*Sipahi, E. et al.* (4 authors) 2005, MmSAI 76, 627. (1bo, 5c)
V1182 Aql	*Mayer, P., Dreschsel, H., Lorenz, R.* 2005, ApJ Supp. 161, 171. (1ao, 2do, 5e) Third body, spectral type O5.5.
V1343 Aql (SS 433)	*Barnes, A.D. et al.* (7 authors) 2006, MNRAS 365, 296. (2aco, 5degi, 8a) Absorption features and their origin. *Chakrabarti, S.K. et al.* (11 authors) 2005, MNRAS 362, 957. (1abiorx, 2aco) Multiwavelength campaign. *Fuchs, Y., Koch Miramond, L., Ábrahám, P.* 2006, A&A 445, 1041. (2ci, 5j) Similar to WR. *Nazarenko, V.V., Glazunova, L.V.* 2005, AZh 82, 928. (8b) Formation of AD, including radiative cooling in explicit form, convective thermal conductivity and radiation pressure. *Nazarenko, V.V., Glazunova, L.V., Nazarenko, S.V.* 2005, AZh 82, 914. (8b) Three-dimensional hydrodynamical modelling of AD formation. *Revnivtsev, M. et al.* (10 authors) 2006, A&A 447, 545. (2aorx, 5i)
V1379 Aql	*Sipahi, E. et al.* (4 authors) 2006, Baltic Astron. 15, 199. (1b, 5b) A correlation between the variations of photometric period and mean brightness.
V1487 Aql (GRS 1915+105)	*Choudhury, M. et al.* (6 authors) 2005, ApJ 631, 1072. (2dx) Evidence of truncated AD. *Kaiser, C.R. et al.* (4 authors) 2005, Ap&SS 300, 283. (8ad) Is it a microquasar? *Mikles, V.J., Eikenberry, S.S., Rothstein, D.M.* 2006, ApJ 637, 978. (1x, 2x) QPO frequency behaviour.
V1663 Aql	2005, IAU Circ. 8640 (2cio) Spectral features of peculiar nova.
FU Ara	*Barani, C. et al.* (4 authors) 2005, Astron. Nachr. 326, 731. (1bo, 5c) Semi-detached EB system.
V821 Ara (GX 339-4)	*Nowak, M.* 2005, Ap&SS 300, 159. (2rx) Monitoring.
UY Aur	*Contreras, M.E., Wilkin, F.P.* 2006, Rev. Mex. Astron. Astrofis. 42, 15. (1r, 5i) 3.6 cm emission from bipolar outflow.
WW Aur	*Southworth, J. et al.* (5 authors) 2005, MNRAS 363, 529. (1bo, 2ao, 5cdegh) Absolute dimensions and high metallicity derived for detached EB.
ZZ Aur	*Oh, K.-D. et al.* (5 authors) 2006, MNRAS 366, 1243. (1ao, 5abce) Period variation and LC analysis.

FS Aur	*Neustroev, V.V. et al.* (4 authors) 2005, MNRAS 362, 1472. (1ao, 5k) High-speed photometry of CV reveals precessing rapidly rotating WD component.
V410 Aur	*Yang, Y.-G., Qian, S.-B., Zhu, L.-Y.* 2005, AJ 130, 2252. (1aoi, 5abcj) Deep overcontact W UMa.
XY Boo	*Yang, Y.-G., Qian, S.-B., Zhu, L.-Y.* 2005, AJ 130, 2252. (1aoi, 5abcj) Deep overcontact W UMa.
SV Cam	*Jeffers, S.V. et al.* (4 authors) 2006, MNRAS 366, 667. (1ao, 5ceg) Unresolved star-spot distributions. *Sanz-Forcada, J., Favata, F., Micela, G.* 2006, A&A 445 673. (1x, 3g) Eclipse of a flare.
BY Cam	*Honeycutt, R.K., Kafka, S.* 2005, MNRAS 364, 917. (1ao, 5abcg) A period study. *Schwarz, R. et al.* (4 authors) 2005, A&A 444, 213. (2ao, 5i) Doppler tomography.
HL Cnc (HD 77191)	*Griffin, R.F.* 2005, Observatory 125, 323. (2a, 5d, 6b) BY Dra star is an SB1.
α CMa	*Barstow, M.A. et al.* (6 authors) 2005, MNRAS 362, 1134. (2abo, 5eg) HST STIS spectra of Sirius B used for spectral analysis and mass determination.
BG CMi	*Kim, Y.G. et al.* (4 authors) 2005, A&A 441, 663. (1ao) CV, orbital and spin variability of IP.
BO CVn	*Qian, S.-B., Zhu, L.-Y.* 2006, AJ 131, 1032. (1ao, 5abc)
η Car	*Abraham, Z. et al.* (5 authors) 2005, MNRAS 364, 922. (1r, 5ceg) Constraints to the binary orbital parameters. *Gull, T.R., Kober, G.V., Nielson, K.E.* 2006, ApJS 163, 173. (2acu) Observations during the 2003.5 minimum.
IV Cas	*Kim, S.-L. et al.* (6 authors) 2005, IBVS 5669. (1a, 5c, 6b) Short-periodic pulsating component.
PV Cas	*Yildiz, M.* 2005, MNRAS 363, 967. (5k, 8a) Model for differential rotation and comparison with Ap-type stars.
V662 Cas (4U 0114+65)	*Masetti, N. et al.* (8 authors) 2006, A&A 445, 653. (2cx, 5i) *Mukherjee, U., Paul, B.* 2006, J. Ap. & Astron. 27, 47. (1x, 2x) Spectral characteristics of high and low states.
V709 Cas	*Falanga, M., Bonnet-Bidaud, J.M., Suleimanov, V.* 2005, A&A 444, 561. (2x, 5i)
V723 Cas	2006, IAU Circ. 8676 (2dx) Still in outburst.
V779 Cen (Cen X-3)	*Iaria, R. et al.* (6 authors) 2005, ApJ 634, L161. (2cdx) Resolution of Fe XXV triplet. *Paul, B., Raichur, H., Mukherjee, U.* 2005, A&A 442, L15. Accretion mode changes in HMXB.
V822 Cen (Cen X-4)	*D'Avanzo, P. et al.* (7 authors) 2005, A&A 444, 905. (2ao, 5ei) Doppler tomography.
ϵ Cep	*Libich, J. et al.* (12 authors) 2006, A&A 446, 583. (2ao, 5bd)
EK Cep	*Claret, A.* 2006, A&A 445, 1061. (5f, 8c) Fit with standard models.
RS Cha	*Alecian, E. et al.* (5 authors) 2005, A&A 442, 993. (1ao, 2acd, 5d) *Alecian, E. et al.* (5 authors) 2006, MmSAI 77, 93. (5eh, 8c) Test of stellar models.

BR Cir (Cir X-1)	*Ding, G.Q., Qu, J.L., Li, T.P.* 2006, AJ 131, 1693. (1x*, 5gi)
RZ Com	*Qian, S.-B., He, J.-J.* 2005, PASJ 57, 977. (1ab, 5b) Period study.
SS Com	*Qian, S.-B., Zhu, L.-Y.* 2006, AJ 131, 1032. (1ao, 5abc)
V691 CrA (X1822−371)	*Muñoz-Darias, T., Casares, J., Martínez-Pais, I.G.* 2005, ApJ 635, 502. (2dx, 5e) K-corrections to find mass ranges.
BF Cyg	*Leibowitz, E.M., Formiggini, L.* 2006, MNRAS 366, 675. (1cdo, 5bcg) Multiperiodic variations in the last 104-yr LC.
CH Cyg	*Bondar', N.I., Prokof'eva, V.V.* 2006, AZh 83, 49. (2d) Non-radial pulsation of the hot component during active phase. *Mikailov Kh.M., Khalilov, V.M.* 2005, KFNT 21, 452. (2c, 5e) Spectral investigations. *Schmidt, M.R. et al.* (4 authors) 2006, A&A 446, 603. (2ai, 2c, 5h)
V443 Cyg	*Zakirov, M.M., Eshankulova, M.V.* 2005, KFNT 21, 441. (1b, 5ce) CB systems in regions of OB-associations. III. V443 Cyg in Cyg OB9.
V836 Cyg	*Yakut, K. et al.* (4 authors) 2005, MNRAS 363, 1272. (1bo, 5abcj) Light curve analysis of near-contact EB.
V1147 Cyg	*Wetterer, C.J., Bloomer, R.H., Caton, D.B.* 2006, PASP 118, 436. (1ao, 5abcf)
V1341 Cyg (Cyg X-2)	*Costantini, E., Freyberg, M. J., Predehl, P.* 2005, A&A 444, 187. (2cx, 5i) Study of the halo. *Lavagetto, G. et al.* (10 authors) 2006, A&A 445, 1089. (2x, 5i) Possible hard x-ray emission.
V1357 Cyg (Cyg X-1)	*Cadolle Bel, M. et al.* (12 authors) 2006, A&A 446, 591. (2cx, 5i) *Focke, W.B., Wai, L.L., Swank, J.H.* 2005, ApJ 633, 1085. (7d) Time-domain studies of x-ray shot noise. *Hinz, S.* 2006, ApJ 636, 316. (1r) VLBI study of the jet. *Ibragimov, A. et al.* (4 authors) 2005, MNRAS 363, 1435. (2dx, 5gij) Dynamic corona versus hot inner disc model. *Karitskaya, E.A. et al.* (9 authors) 2006, IBVS 5678. (1c, 2d) Long-term variations of supergiant in HMXB Cyg X-1. *Nowak, M.* 2005, Ap&SS 300, 159. (2rx) Monitoring. *Pandey, M. et al.* (6 authors) 2006, A&A 447, 525. (1r) Variability study. *Wilms, J. et al.* (5 authors) 2006, A&A 447, 245. (2rx, 5i) Long-term variability study.
V1521 Cyg (Cyg X-3)	*Bednarek, W.* 2005, ApJ 631, 466. (8b) Calculation of muon neutrino spectrum. *Lommen, D. et al.* (5 authors) 2005, A&A 443, 231. Missing WR XB. *Pandey, M. et al.* (6 authors) 2006, A&A 447, 525. (1r) Variability study. *Pérez-Ramírez, D. et al.* (5 authors) 2005, MmSAI 76, 612. (5i) Fanaroff-Riley type II microquasar?
V1974 Cyg	*Hachisu, I., Kato, M.* 2005, ApJ 631, 1094. (5eh, 8a) Unified multiwavelength LC model. *Kato, M., Hachisu, I.* 2005, ApJ 633, L117. (5g) Modelling of LC in super-Eddington phase.
V2246 Cyg (EXO 2030+375)	*Camero Arranz, A. et al.* (7 authors) 2005, A&A 441, 261. (1axg) HMXB.
V2361 Cyg	2005, IAU Circ. 8641 (2cio) Spectral features.

40 Dra	*Balega, Yu.Yu., Leushin, V.V., Kuznetsov, M.K.* 2005, AZh 82, 1099. (5h) Atmospheric chemical abundances for components of SB in quadruple system ADS 11061.
δ Equ	*Muterspaugh, M.W. et al.* (7 authors) 2005, AJ 180, 2866. (1c, 2a*, 5e) Accurate masses and distance from astrometric-spectroscopic solution.
CP Eri	*Sion, E.M. et al.* (5 authors) 2006, ApJ 636, L125. (2u) Detection of WD primary component in AM CVn binary.
σ Gem	*Brown, J.M, Brown, A.* 2006, ApJ 638, L37. (1m) Large flare. *Nordon, R., Behar, E., Gümldel, M.* 2006, A&A 446, 621. (2x, 5i) Study of x-ray flare.
U Gem	*Smak J.* 2005, Acta Astronomica 55, 315. (5ij) Mass transfer during outburst and superoutburst.
AM Her	*Kafka, S. et al.* (4 authors) 2005, AJ 130, 2852. (1ai, 2adi, 5gi) Spectrophotometry in low state.
DQ Her	*Wood, M.A. et al.* (22 authors) 2005, ApJ 634, 570. (1ao) Hydrodynamic simulations of an edge-on disk.
LZ Her	*Kim, S.-L. et al.* (6 authors) 2005, PASP 117, 1394. (1ao, 5bc) Confirm W UMa system, not SX Phe star.
V513 Her	*Byboth, K.N., Markworth, N.L.* 2006, IBVS 5689. (1a, 5abc, 6d) Photometric analysis of CB.
V825 Her	*Ringwald, F.A., Chase, D.W., Reynolds, D.S.* 2005, PASP 117, 1223. (1ao, 2a, 5b) QPOs.
V842 Her	*Selam, S.O. et al.* (4 authors) 2005, Astron. Nachr. 326, 746. (1b, 5bc)
V934 Her (4U 1700+24)	*Tiengo, A. et al.* (7 authors) 2005, A&A 441, 283. (1ax) Redshifted x-ray emission line in the symbiotic NS binary.
RW Lac	*Lacy, C.H.S. et al.* (4 authors) 2005, AJ 130, 2838. (1ao, 2b, 5abcde) Accurate parameters for old eccentric system. *Wolf, M. et al.* (4 authors) 2006, IBVS 5682. (1a, 5ab) New photometric triple star.
MZ Lac	*Kozyreva, V.S., Kusakin, A.V., Wolf, M.* 2005, LeAZh 31, 922. (1b, 5ce) Study of the apsidal motion.
V401 Lac	*Bulut, I., Demirican, O.* 2006, PASJ 58, 159. (1b, 5bcd) Apsidal motion and photometric elements.
34 Leo	*Griffin, R.F.* 2005, Observatory 125, 388. (2a, 5de) Visual binary becomes SB2 near periastron.
GQ Leo	*Griffin, R.F.* 2005, Observatory 125, 323. (2a) BY Dra star has apparently constant velocity.
ϵ Lup	*Uytterhoeven, K. et al.* (4 authors) 2005, A&A 440, 249. (2ao, 5d)
V582 Mon (KH 15D)	*Hamilton, C.M. et al.* (17 authors) 2005, AJ 130, 1896. (1aoi, 5abi) Pre-main sequence binary's variable LC due to large obscuring screen.
V838 Mon	2005, IAU Circ. 8602 (2cr) Maser emission detected. 2005, IAU Circ. 8645 (2cdio) Spectral features and broad-band magnitudes. 2006, IAU Circ. 8655 (1aio, 2c). *Watson, A.M., Gómez, L., Costero, R.* 2006, Rev. Mex. Astron. Astrofis. 42, 19. (1i, 5g) Possible dust emission.
RS Oph	2006, IAU Circ. 8671 (1ad) Recurrent nova in outburst. 2006, IAU Circ. 8673 (1a, 2c) Magnitudes and spectra in outburst. 2006, IAU Circ. 8675 (2cox) Rapidly evolving x-ray source.

	2006, IAU Circ. 8677 (10b) 2006, IAU Circ. 8678 (2dr) Strong radio fluxes. 2006, IAU Circ. 8681 (1a) Additional photometry. 2006, IAU Circ. 8683 (1a, 2cx) Rich emission-line spectrum. 2006, IAU Circ. 8684 (2dr) Three-component structure? 2006, IAU Circ. 8687 (2dr) Radio fluxes.
V841 Oph	*Engle, S.G., Sion, E,.M.* 2005, PASP 117, 1230. (2du*, 5i) Models of IUE spectra indicate low accretion rate for old nova.
V2574 Oph (Nova 2004)	*Kang, T.W. et al.* (4 authors) 2006, AJ 131, 1687. (1ao, 5bi) Orbital and superhump periods.
V2575 Oph	2006, IAU Circ. 8671 (1a, 2c, 4a, 6b) Possible new nova. 2006, IAU Circ. 8676 (6) Designation.
θ^1 Ori E	2006, IAU Circ. 8669 (2bc, 5b, 6b) SB2 in the Orion Trapezium.
V1309 Ori	*Schwarz, R. et al.* (4 authors) 2005, A&A 442, 271. (1ax)
V1647 Ori	2006, IAU Circ. 8681 (1a) Short eruption.
κ Peg	*Muterspaugh, M.W. et al.* (8 authors) 2006, ApJ 636, 1020. (2a, 4c, 5e) Triple-star orbit solved.
56 Peg	*Frankowski, A., Jorissen, A.* 2006, Observatory 126, 25. (8a) Fast rotator seen nearly pole-on. *Griffin, R.F.* 2006, Observatory 126, 1. (2a, 5d) Low-amplitude BaII binary.
IP Peg	*Baptista, R. et al.* (5 authors) 2005, A&A 444, 201. (2ac, 5i) Study of spiral arms in CV.
β Per	*Li, L.-S.* 2006, AJ 131, 994. (8a) Effect of third body on orbit of secondary.
AB Per	*Kim, S.-L., Lee, C.-U., Lee, J.-W.* 2006, MmSAI 77, 184. (2co) Bona fide oEA-type.
RR Pic	*Ribiero, F.M.A., Diaz, M.P.* 2006, PASP 118, 84. (2ad, 5di) Tomographic study indicates low secondary mass.
V445 Pup	2005, IAU Circ. 8642 (2ci) Strong He I emission.
V574 Pup	2005, IAU Circ. 8643 (2cdio) Spectral features and broad-band magnitudes.
QU Sge	*Jeon, Y.-B. et al.* (5 authors) 2006, ApJ 636, L129. (1ab, 5c) Discovery of SX Phe pulsator in an EA system.
FN Sgr	*Brandi, E. et al.* (7 authors) 2005, A&A 440, 239. (1a, 2ao, 5cde)
V617 Sgr	*Steiner, J.E. et al.* (4 authors) 2006, A&A 447, L1. (1ao, 5b, 8d) Orbital evolution.
V3885 Sgr	*Hartley, L.E. et al.* (4 authors) 2005, MNRAS 363, 285. (2aco, 5di) Detection of spiral waves in a nova-like system.
V4641 Sgr (SAX J1819.3−2525)	*Lindstræm, C. et al.* (7 authors) 2005, MNRAS 363, 882. (2abco, 5dj) Spectroscopy during outburst and quiescence of BH binary. *Maitra, D., Bailyn, C.D.* 2006, ApJ 637, 992. (2x, 5i) Observations during 2003 outburst.
V5117 Sgr	2006, IAU Circ. 8673 (1acd, 2c, 4a, 6b) New nova magnitudes.
W Ser	*Piirola, V. et al.* (4 authors) 2005, ApJ 632, 576. (3ao) Detection of high-latitude spot/jet.
V818 Sco (Sco X-1)	*Bulik, T.* 2005, Astron. Nachr. 326, 861. (9) Statistics of khz QPOs. *Casella, P., Belloni, T., Stella, L.* 2006, A&A 446, 579. (1x, 5i)

V1033 Sco (GRO J1655−40) — *Brocksopp, C. et al.* (13 authors) 2006, MNRAS 365, 1203. (1gux, 5bcdgi) Spectral evolution of the 2005 outburst.

V1034 Sco (CPD −41°7742) — *Bouzid, M.Y., Pribulla, T., Sterken, C.* 2006, MmSAI 77, 103. (1ao, 5ce) *Sana, H. et al.* (7 authors) 2005, A&A 441, 213. (1aox, 5cde)

V1187 Sco — *Lynch, D.K. et al.* (26 authors) 2006, ApJ 638, 987. (2ioux) 56-day spectral development of ONeMg nova.

RY Sct — *Men'shchikov, A.B., Miroshnichenko, A.S.* 2005, A&A 443, 211. (1auoi*)

V476 Sct — 2005, IAU Circ. 8607 (1ac, 4a, 6b) Possible new nova.
2005, IAU Circ. 8612 (1d, 2c) Confirmation of classical nova.
2005, IAU Circ. 8638 (2cio) Spectral features.

V477 Sct — 2005, IAU Circ. 8617 (1ad, 2ciou, 4a, 6b) Confirmed new nova.
2005, IAU Circ. 8644 (2cio) Doubled line profiles.

CT Ser — *Ringwald, F.A., Chase, D.W., Reynolds, D.S.* 2005, PASP 117, 1223. (1ao, 2a, 5b) Erratic flickering.

NN Ser — *Brinkworth, C.S. et al.* (4 authors) 2006, MNRAS 365, 287. (1ao, 5abcefgij) Period changes and possible explanations.

GG Tau — *Krist, J.E. et al.* (9 authors) 2005, AJ 130, 2778. (1ao, 5i) HST observations of structure and variability in circumbinary disk.

V781 Tau — *Yakut, K. et al.* (4 authors) 2005, MNRAS 363, 1272. (1bo, 5abcj) Light curve analysis of late-type contact EB.

V1123 Tau — *Ozdarcan, O. et al.* (4 authors) 2006, IBVS 5688. (1b, 5ab) First ground-based photometry.

ER UMa — *Zhao, Y.-H. et al.* (5 authors) 2006, PASJ 58, 367. (1a, 2a, 5d) Superhump behaviour during normal outbursts.

KS UMa — *Zhao, Y. et al.* (6 authors) 2006, AJ 131, 1667. (1ao, 2a, 5i) Possible precessing eccentric disk.

KV UMa (XTE J1118+480) — *Malzac, J., Merloni, A., Fabian, A.C.* 2005, Ap&SS 300, 31. (5i) Modelling of accretion.

RU UMi — *Zhu, L.-Y., Qian, S.-B., Xiang, F.-Y.* 2006, PASJ 58, 361. (1b, 5bce) Photometric analysis of near-contact binary.

GP Vel (4U 0900−40) — *Dolan, J.F., Etzel, P.B., Boyd, P.T.* 2006, PASP 118, 392. (2aox*, 5e, 7d) Dynamical mass using reprocessed x-ray pulses from companion star.

V382 Vel — *Ness, J.-U. et al.* (5 authors) 2005, MNRAS 364, 1015. (2cx, 5gh) Analysis of an x-ray grating spectrum.

HW Vir — *Mortimore, A.N., Lynas-Gray, A.E.* 2006, Baltic Astron. 15, 207. (1u, 5g) He, C, Si abundances of sdB primary component.

UY Vol (EXO 0748−676) — *Wolff, M.T. et al.* (4 authors) 2005, ApJ 632, 1099. (2dx) Strong x-ray burst.

HR, HD, HDE, BD, CoD, CPD, SAO Objects

HD 27638 — *Torres, G.* 2006, AJ 131, 1702. (2a, 5d) Multiple system.

HD 77191 — (see HL Cnc)

HD 81032 — *Pandey, J.C. et al.* (4 authors) 2005, J. Ap. & Astron. 26, 359. (1aox, 2dox, 5b) New RS CVn binary.

HD 99898 — *Otero, S.A., Wils, P.* 2006, IBVS 5680. (1a, 5abf) Fast apsidal motion in NSV 18773.

HD 109962	2006, IAU Circ. 8663 (2c) Transient accretion episode in EB.
HD 149420	*Fekel, F.C., Henry, G.W.* 2006, AJ 131, 1724. (1b, 2d, 5cde)
HD 162905	*Tas, G., Evren, S.* 2006, IBVS 5687. (1b, 5abc) First LC analysis.
HD 172189	*Martín-Ruiz, S. et al.* (7 authors) 2005, A&A 440, 711. (1co, 2o, 5cd) EB/SB with a δ Sct-type pulsating component. *Martín-Ruiz, S. et al.* (8 authors) 2006, MmSAI 77, 534. (1abo, 5e) δ Sct components.
BD +82°565 A	*Bartkevičius, A., Sperauskas, J.* 2005, Baltic Astron. 14, 527. (2a, 5d) Primary component of high proper motion VB is SB.
BD +53°2790 (4U 2206+54)	*Blay, P. et al.* (7 authors) 2006, A&A 446, 1095. (1aio, 2io) Multi-wavelength monitoring of the optical counterpart.
BD +16°4588	*Griffin, R.F.* 2006, Observatory 126, 48. (2a) RV of BY Dra variable found to be constant.
BD +15°4512	*Griffin, R.F.* 2006, Observatory 126, 48. (2a) RV of BY Dra variable found to be constant.
BD −09°3055 (HIP 50796)	*Torres, G.* 2006, AJ 131, 1022. (2a, 5d) Astrometric-spectroscopic orbit; secondary may itself be double.
CPD −41°7742	(see V1034 Sco)

X-ray sources with constellation names

Cen X-3	(see V779 Cen)
Cen X-4	(see V822 Cen)
Cir X-1	(see BR Cir)
Cyg X-1	(see V1357 Cyg)
Cyg X-2	(see V1341 Cyg)
Cyg X-3	(see V1521 Cyg)
Sco X-1	(see V818 Sco)

Galactic objects with names including RA and DEC

ASAS J002511+1217.2	*Templeton, M.R. et al.* (22 authors) 2006, PASP 118, 236. (1abdo, 2ad, 5di, 6b) New WZ Sge-type system.
IGR J00291+5934	*Falanga, M. et al.* (10 authors) 2005, A&A 444, 15. (2x) Pulsations. *Paizis, A. et al.* (7 authors) 2005, A&A 444, 357. (2x, 5i)
AX J0051−733 (SXP 323)	*Coe, M.J., Negueruela, I., McBride, V.A.* 2005, MNRAS 362, 952. (2abco) Non-radial pulsations of Be companion.
4U 0114+65	(see V662 Cas)
SDSS J013701.06−091234.9	*Imada, A. et al.* (13 authors) 2006, PASJ 58, 143. (1a) Time-resolved photometry of a superoutburst.
RX J0153.3+7446	*Norton, A.J., Tanner, J.D.* 2006, A&A 447, L17. (1ao, 5b) Optical photometry of counterpart.
2QZ J021927.9−304545	*Imada, A. et al.* (6 authors) 2006, PASJ 58, 383. (1a) Confirmation of the SU UMa nature.
V0332+53	*Pottschmidt, K. et al.* (9 authors) 2005, ApJ 634, L97. (2dx) Multiple cyclotron lines during outburst.

RX J0440.9+4431 (LSV +44 17)	*Reig, P. et al.* (5 authors) 2005, A&A 440, 1079. (1aoi, 2oc)
2MASS J04463285+1901432	*Hebb, L. et al.* (4 authors) 2006, AJ 131, 555. (1aoi, 2ao, 5cde, 6b) New low-mass CB in NGC 1647.
RX J0513.9−6951	*McGowan, K.E. et al.* (6 authors) 2005, MNRAS 364, 462. (1aoux, 2x, 5cdg) Probing the dynamic WD photosphere.
2MASS J05352184−0546085	*Stassun, K.G., Mathieu, R.D., Valenti, J.A.* 2006, Nature 440, 311. (1ai, 2ab, 5bcd, 6b) Two brown dwarf EB/SB.
PSR J0737−3039	*Chatterjee, S., Goss, W.M., Brisken, W.F.* 2005, ApJ 634, L101. (2dr) No evidence of unpulsed emission. *Lyutikov, M., Thompson, C.* 2005, ApJ 634, 1223. (8a) Model of system based upon attenuation by synchrotron absorption. *Rafikov, R.R., Goldreich, P.* 2005, ApJ 631, 488. (2br) Eclipses of pulsar A by the magnetosphere of pulsar B.
J0737−3039A	*Bejger, M., Bulik, T., Haensel, P.* 2005, MNRAS 364, 635. (8a) Constraints on the dense matter equation of state. *Hotan, A.W., Bailes, M., Ord, S.M.* 2005, MNRAS 362, 1267. (1r, 3b) Baseband timing and polarimetry of binary pulsar.
J0737−3039B	*Lyutikov, M.* 2005, MNRAS 362, 1078. (8a) Radio flux modulations of binary radio pulsar.
EXO 0748−676	(see UY Vol)
PSR 0751+1807	*Nice, D.J. et al.* (7 authors) 2005, ApJ 634, 1242. (2dr, 5ef) Measured 2.1 solar mass NS, relativistic orbital decay.
2MASSW J0746425+200322	*Gizis, J.E., Reid, I.N.* 2006, AJ 131, 638. (8a) System appears old and contains two very low-mass stars.
4U 0900−40	(see GP Vel)
2S 0918−549	*in 't Zand, J.J.M. et al.* (5 authors) 2005, A&A 441, 675. Helium WD donor in ultracompact LMXB.
SDSS J0926+3624	*Anderson, S.F. et al.* (26 authors) 2005, AJ 130, 2230. (1a, 2b, 6b) First confirmed eclipsing AM CVn system. See also Collections of Data.
SDSS J093249.57+472523.0	*Homer, L. et al.* (8 authors) 2006, AJ 131, 562. (1aox, 2dox, 5g) Probably IP, but possibly LMXB.
HS 0943+1404	*Rodríguez-Gil, P. et al.* (10 authors) 2005, A&A 440, 701. (1ao, 2aco) CV.
SDSS J102347.67+003841.2	*Homer, L. et al.* (8 authors) 2006, AJ 131, 562. (1aox, 2dox, 5g) Probably LMXB.
XTE J1118+480	(see KV UMa)
1A 1246−588	*Bassa, C.G. et al.* (4 authors) 2006, A&A 446, L17. (1x, 4a, 6c)
2RXP J130159.6−635806	*Chernyakova, M. et al.* (4 authors) 2005, MNRAS 364, 455. (1abx, 5bcg, 6c) Discovery and study.
SDSS J133941.11+484727.5	*Gänsicke, B.T. et al.* (23 authors) 2006, MNRAS 365, 969. (1ao, 2aoi, 5abcdeghi, 8a) Time-resolved photometry and spectroscopy.
ASAS 160048−4846.2	*Imada, A., Berto Monard, L.A.G.* 2006, PASJ 58, L19. (1a) A promising candidate dwarf nova of WZ Sge type.
IGR J16283−4838	*Beckmann, V. et al.* (12 authors) 2005, ApJ 631, 506. (2cg*) Probably a HMXB with a NS embedded in Compton thick material.
1RXS J162848.1−415241	*Torres, M.A.P. et al.* (4 authors) 2005, ApJ 632, 514. (2ado, 5e) Not a microquasar, but a chromospherically active binary.

IGR J16320−4751 (AX J1631.9−4752)	*Rodriguez, J. et al.* (19 authors) 2006, MNRAS 366, 274. (1gx, 5bcg) Analysis of simultaneous XMM-Newton and INTEGRAL observations.
4U 1636−536	*Bhattacharyya, S., Strohmayer, T.E.* 2005, ApJ 634, L157. (1ax) Harmonic content and frequency oscillations during rising phase.
IGR J16393−4643	*Bodaghee, A. et al.* (8 authors) 2006, A&A 447, 1027. (2cx, 5i)
XTE J1650−500	*Homan, J. et al.* (7 authors) 2006, MNRAS 366, 235. (1ax, 5g) XMM-Newton observations.
GRO J1655−40	(see V1033 Sco)
4U 1700+24	(see V934 Her)
1RXS J170824.2−402934	*in 't Zand, J.J.M., Cornelisse, R., Méndez, M.* 2005, A&A 440, 287. (1ax) LMXB, Low $\dot{M}$ X-ray burster.
1RXS J170854.4−321857	*in 't Zand, J.J.M., Cornelisse, R., Méndez, M.* 2005, A&A 440, 287. (1ax) LMXB, Low $\dot{M}$ X-ray burster.
PSR J1713+0747	*Benvenuto, O.G., Rohrmann, R.D., De Vito, M.A.* 2006, MNRAS 366, 1520. (8ac) A study of the evolutionary status. *Chen, W.-C., Li, X.-D., Wang, Z.-R.* 2006, PASJ 58, 153. (8c) Evolutionary calculations of LMXBs as progenitors of binary radio pulsars.
XTE J1716−389	*Cornelisse, R., Charles, P.A., Robertson, C.* 2006, MNRAS 366, 918. (1x, 5bcgi) Properties of a long-term periodic modulation.
IGR J17252−3616	*Zurita Heras, J.A. et al.* (8 authors) 2006, A&A 448, 261. (2cx, 5b)
XTE J1739−302	*Negueruela, I. et al.* (4 authors) 2006, ApJ 638, 982. (2oi) Study of the optical counterpart. *Smith, D.M. et al.* (7 authors) 2006, ApJ 638, 974. (1x) Supergiant fast x-ray transient.
H1743−322 (IGR J17464−3213)	*Corbel, S. et al.* (6 authors) 2005, ApJ 632, 504. (4brx) Formation and evolution of two large-scale jets. *Jonet, A. et al.* (7 authors) 2005, ApJ 629, 1008, Spectral evolution and flaring. (1x, 2x). *Kalemci, E. et al.* (6 authors) 2006, ApJ 639, 340. (1, 2xr) BH Transient observed during outburst decay. *Remillard, R.A. et al.* (4 authors) 2006, ApJ 637, 1002. (1x, 2x) 2003 Outburst of candidate BH binary.
A1744−361	*Bhattacharyya, S. et al.* (4 authors) 2006, ApJ 639, L31. (1x*) Discovery of NS with 530 Hz spin frequency.
GCRT J1745−3009	*Hyman, S.D. et al.* (6 authors) 2006, ApJ 639, 348. (1r) Radio detection of transient bursting source.
CXOGC J174540.0−290031	*Porquet, D. et al.* (7 authors) 2005, A&A 443, 571. (1ax) Discovery of x-ray eclipses in LMXB.
IGR J17464−3213	(see H1743−322)
EXO 1747−214	*Tomsick, J.A., Gelano, D.M., Kaaret, P.* 2005, ApJ 635, 1233. (12x) Very low luminosity in quiescence.
2MASS 17500367+2928020	*Kim, S.-L. et al.* (6 authors) 2005, PASP 117, 1394. (1ao, 5b, 6b) New binary.
XTE J1807−294	*Linares, M. et al.* (4 authors) 2005, ApJ 634, 1250. (2dx) Kilohertz QPOs.
4U 1812−12	*Bassa, C.G. et al.* (4 authors) 2006, A&, 446, L17. (1x, 4a, 6c) *Tarana, A. et al.* (8 authors) 2006, A&A 448, 335. (2x)

XTE J1814−338	*Watts, A.L., Strohmayer, T.E., Markwardt, C.B.* 2005, ApJ 634, 547. (1ax) Analysis of variability in the burst oscillations.
SAX J1819.3−2525	(see V4641 Sgr)
X1822−371	(see V691 CrA)
GS 1826−238	*Thompson, T.W.J. et al.* (4 authors) 2005, ApJ 634, 1261. (2dx) Study of spectral and timing properties.
RX J1826.2−1450 (LS 5039)	*Bottcher, M., Dermer, C.D.* 2005, ApJ 634, L81. (8a) Photon-photon absorption of high energy γ rays. *Casares, J. et al.* (6 authors) 2005, MNRAS 364, 899. (2ac, 5abdegik, 6c) A possible BH in LS 5039.
4U 1850−087	*Sidoli, L. et al.* (4 authors) 2005, A&A 443, 223. (1ax) Ultracompact LMXB in NGC 6712.
XTE 1858+034	*Mukherjee, U. et al.* (5 authors) 2006, J. Ap. & Astron. 27, 25. (1x) Variable QPOs during an outburst.
J1900.1−2455	*Kaaret, P., et al.* (4 authors) 2006, ApJ 638, 963. (1x) Discovery of a MS pulsar in LMXB.
4U 1901+03	*Galloway, D.K., Wang, Z., Morgan, E.H.* 2005, ApJ 635, 1217. (1x, 2x) Binary pulsar discovered.
XTE J1906+090	*Gogus, E. et al.* (6 authors) 2005, ApJ 632, 1069. (1aoix, 6c) Optical and IR counterparts.
XTE J1908+094	*Chaty, S., Mignani, R.P., Israel, G.L.* 2006, MNRAS 365, 1387. (1ai, 5cg, 6c, 8a) Identification of two new near-infrared candidate counterparts).
GRS 1915+105	(see V1487 Aql)
CTCV J1928−5001	*Potter, S.B., Augusteijn, T., Tappert, C.* 2005, MNRAS 364,565. (1bo, 3a, 5abcegi) Photopolarimetric observations and modelling.
KPD 1930+2752	*Geier, S. et al.* (4 authors) 2006, Baltic Astron. 15, 243. (2ao, 5egk) A probable candidate progenitor for a type Ia supernova, from time-resolved spectroscopy.
EXO 2030+375	(see V2246 Cyg)
SAX J2103.5+4545	*Sidoli, L. et al.* (10 authors) 2005, A&A 440, 1033. (1ax) HMXB with large spin-up rate.
RX J2133.7+5107	*Bonnet-Bidaud, J.M. et al.* (5 authors) 2006, A&A 445, 1037. (1ao, 2ao, 5cd) Unique IP.

Galactic objects with other designations

Bo 158	(see XMMU J004314.4+410726.3)
Cal 83	*Schmidtke, P.C., Cowley, A.P.* 2006, AJ 131, 600. (1x, 5g) Pulsations detected.
GD 1400	*Farihi, J., Zuckerman, B. Becklin, E.E.* 2005, AJ 130, 2237. (1ai, 6b) Companion of WD is brown dwarf.
GSC 3658-0076	*Zhu, L.-Y. et al.* (4 authors) 2005, Ap&SS 299, 329. (5c)
GX 1+4	*Rea, N. et al.* (8 authors) 2005, MNRAS 364, 1229. (1ax, 2cx, 5gij) A Compton-reflection-dominated spectrum.
GX 5-1	*Paizis, A. et al.* (8 authors) 2005, A&A 443, 599. (1axg)
GX 339-4	(see V821 Ara)
HIP 50796	(see BD −09°3055)

KH 15D	(see V582 Mon)
LS 5039	(see RX J1826.2−1450)
LS I +61 303	*Romero, G.E., Christiansen, H.R, Orellana, M.* 2005, ApJ 632, 1093. (8d) Hadronic model for γ-ray production.
LSV +44 17	(see RX J0440.9+4431)
M15 X-2	*Dieball, A. et al.* (8 authors) 2005, ApJ 634, L105. (1au, 5b) Far-UV counterpart, inferred period, ultracompact XRB.
OGLE-TR-123	*Pont, F. et al.* (9 authors) 2006, A&A 447, 1035. (1ao, 2ao, 5e)
'SN 2003aw'	*Roelofs, G.H.A. et al.* (5 authors) 2006, MNRAS 365, 1109 (2co, 5bdghi) Spectroscopic study.
SS 433	(see V1343 Aql)
SXP 323	(see AX J0051−733)
WR25 in Car	*Pollock, A.M.T., Corcoran, M.F.* (1x*, 5j) 2006, A&A 445, 1093. Evidence for colliding winds.
WR 143	*Watson, P. Varricatt, W.P., Ashok, N.M.* 2006, MNRAS 365, 127. (1ai, 2ci, 52cdg, 8a) A WR binary.

Extragalactic close binaries

BAT99-129 in LMC	*Foellmi, C., Moffat, A.F.J., Marchenko, S.V.* 2006, A&A 447, 667. (1ao, 2ao, 5eh) WR-EB.
Nova in LMC	2005, IAU Circ. 8635 (1acd, 2c, 4a, 6b) New classical nova near maximum. 2005, IAU Circ. 8636 (4a) Precise position. 2005, IAU Circ. 8641 (1a) Additional V magnitudes.
SMC X-1	*Hickox, R.C., Vrtilek, S.D.* 2005, ApJ 633, 1064. (2dx, 5i) Likely reprocessing of hard x-ray by inner AD. *Val Baker, A.K.F., Norton, A.J., Quaintrell, H.* 2005, A&A 441, 685. (2ao, 5d) Mass of NS in HMXB.
XMMU J004314.4+410726.3 (Bo 158)	*Barnard, R. et al.* (6 authors) 2006, MNRAS 366, 287. (1x, 5cgi, 8ab) Disc precession in M31 LMXB.
J0044380+41292350	*Ribas, I. et al.* (6 authors) 2005, ApJ 635, L37. (1ao) First measured distance to M31 with model of EB.
New source in M31	*Williams, B.F. et al.* (5 authors) 2005, ApJ 632, 1086. (4bxo) New transient x-ray source probably is a LMXB.
Ho II X-1	*Goad, M.R. et al.* (4 authors) 2006, MNRAS 365, 191. (1ax, 2dx, 5cdg, 8a) The case against a 1000-M BH.
M82 X-1	*Mucciarelli, P. et al.* (5 authors) 2006, MNRAS 365, 1123. (1x, 2dx, 5bcdgi) Timing and spectral analysis of XMM-Newton and Rossi-XTE observations.
M101 ULX-1	*Kong, A.K.H., Di Stefano, R.* 2005, ApJ 632, L107. (2dx) Unusual spectral state during outburst. *Mukai, K. et al.* (5 authors) 2005, ApJ 634, 1085. (2dx) Suggest 20-40 solar-mass BH, B-supergiant mass donor.

General

Abramowicz, M.A. 2005, Astron. Nachr. 326, 782. QPO as the Rosetta Stone for understanding BH accretion.

Abubekerov, M.K., Antokhina, E.A., Cherepashchuk, A.M. 2005, AZh 82, 900. (5g, d) Dependence of the absorption-line profiles and radial-velocity curve of the optical star in an XRB on the orbital inclination and component mass ratio.

Akizuki, C., Fukue, J. 2006, PASJ 58, 469. Self-similar solutions for ADAF with toroidal magnetic fields.

Arentoft, T. et al. (11 authors) 2006, MmSAI 77, 99. Pulsating stars and EBs in clusters: NGC 2506.

Barret, D., Olive, J.-F., Coleman-Miller, M. 2005, Astron. Nachr. 326, 808. Drop of coherence of the lower kHz QPO in NSs: is there a link with the innermost stable circular orbit?

Benvenuto, O.G., De Vito, M.A. 2005, MNRAS 362, 891. The formation of helium WDs in CB systems.

Biazzo, K. et al. (4 authors) 2006, A&A 446, 1129. Photospheric and chromospheric active regions on three single-lined RS CVn binaries (see also Collections of Data).

Bitner, M.A., Robinson, E.L. 2006, AJ 131, 1712. Synthetic spectra of cool, Roche lobe-filling stars in CBs.

Blanchet, L., Qusailah, M.S.S., Will, C.M. 2005, ApJ 635, 508. Gravitational recoil of inspiralling BH binaries to second post-Newtonian order.

Bogomazov, A.I., Abubekerov, M.K., Lipunov, V.M. 2005, AZh 82, 722. (8c) The mass spectrum of BHs in CB systems.

Bonnell, I.A., Bate, M.R. 2005, MNRAS 362, 915. Binary systems and stellar mergers in massive star formation.

Bony, H. et al. (4 authors) 2005, Astron. Nachr. 326, 969. Ultracool dwarf binaries.

Bosch-Ramon, V. et al. (4 authors) 2006, A&A 446, 1081. A microquasar model applied to unidentified γ-ray sources.

Bosch-Ramon, V., Romero, G.E., Paredes, J.M. 2006, A&A 447, 263. A broadband leptonic model for γ-ray-emitting microquasars.

Brandenburg, A. 2005, Astron. Nachr. 326, 787. Turbulence and its parametrization in ADs.

Brown, D. et al. (4 authors) 2006, Baltic Astron. 15, 13. Binary population synthesis, sdB stars and the UV upturns of elliptical galaxies.

Büning, A., Ritter, H. 2006, A&A 445, 647. Numerical stability of mass transfer driven by Roche lobe overflow in CBs.

Chang, P., Bildsten, L., Wasserman, I. 2005, ApJ 629, 998, Formation of resonant atomic lines during thermonuclear flashes in LMXB. (8)

Chaurasia, H.K., Bailes, M. 2005, ApJ 632, 1054. On the eccentricities and merger rates of double NS binaries and the creation of "double SN".

Chen, W.P., Sanchawala, K., Chiu, M.C. 2006, AJ 131, 990. W UMa systems as x-ray sources.

Choudhury, M. 2005, Bull. Astron. Soc. India 33, 303. Hard x-ray and soft gamma ray properties of cosmic sources.

Corbel, S. 2005, Ap&SS 300, 275. Large-scale jets in microquasars.

Coward, D.M. et al. (5 authors) 2005, MNRAS 364, 807. The gravitational wave 'probability event horizon' for double NS mergers.

Dai, Z.G., Wang, X.Y., Wu, X.F., Zhang, B. 2006, Science 311, 1127. X-ray flares from post-merger millisecond pulsars.

Das, S. 2005, Bull. Astron. Soc. India 33, 307. Analytical studies of standing shocks in accretion flows around compact objects.

Delgado-Donate, E.J., Clarke, C.J. 2005, Astron. Nachr. 326, 940. Very low-mass stars in binaries: a theoretical look.

Demircan, O. et al. (4 authors) 2006, MNRAS 366, 1511. Mass loss and orbital period decrease in detached chromospherically active binaries.

Derekas, A. et al. (9 authors) 2006, MmSAI 77, 517. Binarity and multiperiodicity in high-amplitude δ Scuti stars.

Deupree, R.G., Karakas, A.I. 2005, ApJ 633, 418. Structure of CBs in two dimensions.

Díaz Trigo, M. et al. (5 authors) 2006, A&A 445, 179. Spectral changes during dipping in LMXBs due to highly-ionized absorbers.

Domainko, W., Ruffert, M. 2005, A&A 444, L33. Long-term remnant evolution of compact binary mergers.

Done, Ch., Gierliński, M. 2005, MNRAS 364, 208. Scaling variability from stellar to supermassive BHs.

Dray, L.M. et al. (5 authors) 2005, MNRAS 364, 59. WolfRayet and O star runaway populations from supernovae.

Eggenberger, P., Carrier, F. 2006, MmSAI 77, 451. Asteroseismology of solar-type stars with CORALIE and HARPS . II: Observations and modelling of binary stars.

Fabian, A.C. 2005, Ap&SS 300, 97. Broad iron lines in AGN and XRBs.

Farihi, J., Zuckerman, B., Becklin, E.E. 2005, Astron. Nachr. 326, 964. Low-mass companions to WDs.

Fender, R., Belloni, T., Gallo, E. 2005, Ap&SS 300, 1. A unified model for BH XRB jets?

Feng, H., Kaaret, P. 2005, ApJ 633, 1052. Archival x-ray timing and spectral properties of ultraluminous x-ray sources in nearby galaxies.

Ferreira, J. et al. (5 authors) 2006, A&A 447, 813. A unified accretion-ejection paradigm for BH XRBs. I. The dynamical constituents.

Fisker, J.L., Balsara, D.S. 2005, ApJ 635, L69. Simulating the boundary layer between a WD and its AD.

For, B.-Q., Green, E.M. 2006, Baltic Astron. 15, 183. Monte-Carlo simulations of post-common-envelope sdB stars plus WD binaries.

Foulkes, S.B., Haswell, C.A., Murray, J.R. 2006, MNRAS 366, 1399. Three-dimensional smoothed particle hydrodynamics simulations of radiation-driven warped accretion discs.

Fukue, J. 2005, PASJ 57, 1023. Relativistic radiative flows in a luminous disk.

Fukue, J. 2006, PASJ 58, 187. Radiative flows in a luminous disk II.

Gallo, E., Fender, R.P. 2005, MmSAI 76, 600. Accretion modes and jet production in BH XRBs.

Ghanbari, J., Shadmehri, M., Salehi, F. 2005, Bull. Astron. Soc. India 33, 447. Non-linear theory of a warped ADs with the β-viscosity prescription.

Gilfanov, M., Revnivtsev, M. 2005, Astron. Nachr. 326, 812. Boundary layer emission in luminous LMXBs.

Gnedin, Yu.N., Silant'ev, N.A., Shternin, P.S. 2006, LeAZh 32, 42. (8b) Polarization of the radiation from a strongly magnetized AD: the asymptotic spectral distribution.

Gondek-Rosińska, D., Bulik, T., Belczyński, K. 2005, MmSAI 76, 513. What can we learn about NS binaries from gravity-wave observations?

Gondek-Rosińska, D., Bulik, T., Belczyński, K. 2005, MmSAI 76, 632. Selection effects in detecting gravitational waves from binary in-spiral.

González, J.F., Levato, H. 2006, A&A 448, 283. Separation of composite spectra: the spectroscopic detection of an EB star.

Goupil, M.-J. et al. (8 authors) 2005, J. Ap. & Astron. 26, 249. Asteroseismology of δ Scuti stars: problems and prospects.

Green, E.M. et al. (5 authors) 2006, Baltic Astron. 15, 167. Subdwarf B stars: evolutionary systematics, conundrums and cautionary remarks.

Han, Z., Podsiadlowski, Ph., Lynas-Gray, A.E. 2006, Baltic Astron. 15, 17. Binary model of hot subdwarfs and UV upturns of elliptical galaxies.

Heinz, S., Grimm, H.J. 2005, ApJ 633, 384. Estimating the kinetic luminosity function of jets from galactic XRBs.

Heinz, S. et al. (4 authors) 2005, Ap&SS 300, 15. On the relationship between the jets from XRBs and AGN.

Hinkle, K. et al. (4 authors) 2006, MmSAI 77, 523. Pulsation of the late-type star in symbiotic systems.

Horák, J. 2005, Astron. Nachr. 326, 845. A possible mechanism for QPOs modulation in NS sources.

Horák, J., Karas, V. 2006, PASJ 58, 203. Polarization of light from warm clouds above an AD: effects of strong gravity near a BH.

Howell, S.B. et al. (5 authors) 2005, PASP 117, 1187. Search for variable stars in NGC 2301 yields some probable EBs.

Irwin, J.A. 2005, ApJ 631, 511. Significant number of LMXBs likely form in the field rather than globular clusters.

Ivanova, N. 2006, ApJ 636, 979. LMXBs produced in metal-rich globulars due to presence of outer convective zone and consequent magnetic braking. (9*)

Jahanara, B. et al. (6 authors) 2005, A&A 441, 589. Wind accretion in binary stars. II. Angular momentum loss.

Jaikumar, P., Ouyed, R. 2006, ApJ 639, 354. Toward an equation of state for NSs. (8c)

Jeffery, C.S. 2005, J. Ap. & Astron. 26, 261. Pulsations in subdwarf B stars.

Jeffries, R.D., Maxted, P.F.L. 2005, Astron. Nachr. 326, 944. CBs among very low-mass stars and brown dwarfs.

Justham, S., Rappaport, S., Podsiadlowski, Ph. 2006, MNRAS 366, 1415. Magnetic braking of Ap/Bp stars: application to compact BH XRBs.

Karetnikov, V.G., Sirotkin, F.V. 2005, AZh 82, 999. (8c) Hydrodynamical modelling of circularization in CB systems in early stages of their evolution on the dynamical time scale.

Kawata, A., Watarai, K., Fukue, J. 2006, PASJ 58, 477. How do we see a relativistic AD during a thermal instability?

Khruzina, T.S. 2005, AZh 82, 881. (8b) LC synthesis for CB systems: modelling of spiral waves in an elliptical disk around a WD.

King, A.R. et al. (4 authors) 2005, MNRAS 363, 49. Aligning spinning BHs and accretion discs.

Koch, R.H. 2005, Observatory 125, 315. Weights for timings of minimum light for EBs.

Koen, Ch. 2006, MNRAS 365, 489. The analysis of indexed astronomical time series X. Significance testing of O−C data.

Körding, E., Falcke, H. 2005, Ap&SS 300, 211. A unifying scheme for low-luminosity XRBs and AGN.

Lanza, A.F. 2005, MNRAS 364, 238. On the orbital period modulation of RS CVn binary systems.

Lasota, J.-P. 2005, Astron. Nachr. 326, 867. For whom the disc tolls (on QPOs).

Leary, R.M. et al. (5 authors) 2006, ApJ 637, 937. BH-BH mergers in dense star clusters. (8cd)

Li, X.-D., Zhang, C.-M. 2005, ApJ 635, L57. Model for twin kilohertz QPOs in NS LMXBs.

Liu, B.F., Meyer, F., Meyer-Hofmeister, E. 2005, A&A 442, 555. Spectral state transitions in LMXBs – the effect of hard and soft irradiation.

Lutovinov, A. et al. (6 authors) 2005, A&A 444, 821. INTEGRAL insight into the inner parts of the Galaxy. HMXBs.

Maccarone, T.J. 2005, MNRAS 364, 971. An explanation for long flares from extragalactic globular cluster x-ray sources.

Machida, M., Nakamura, K., Matsumoto, R. 2006, PASJ 58, 193. Formation of magnetically supported disks during hard-to-soft transitions in BH accretion flows.

Malkov, O.Y. et al. (4 authors) 2006, A&A 446, 785. A catalogue of eclipsing variables.

Mapelli, M. et al. (4 authors) 2005, MNRAS 364, 1315. The fingerprint of binary intermediate-mass BHs in globular clusters: suprathermal stars and angular momentum alignment.

Marsh, T.R., Nelemans, G. 2005, MNRAS 363, 581. Period changes in ultracompact double white dwarfs.

Martí, J. 2005, MmSAI 76, 592. Radio observations of XRBs.

Mayer, L. et al. (4 authors) 2005, MNRAS 363, 641. Gravitational instability in binary protoplanetary discs: new constraints on giant planet formation.

Migliari, S., Fender, R. 2005, Ap&SS 300, 197. What can we learn from NS XRBs' jets?

Migliari, S., Fender, R.P. 2006, MNRAS 366, 79. Jets in NS XRBs: a comparison with BHs.

Migliari, S., Fender, R.P., van der Klis, M. 2005, MNRAS 363, 112. Correlation between radio luminosity and x-ray timing frequencies in NS and BH XRBs.

Mitsumoto, M. et al. (6 authors) 2005, AZh 82, 990. (8b) Three-dimensional gas-dynamical modelling of changes in flow structure in transition from quiescent to active state in symbiotic stars.

Morris, T., Podsiadlowski, Ph. 2006, MNRAS 365, 2. Anisotropic mass ejection in binary mergers.

Naficy, K., Riazi, N., Kiasatpour, A. 2005, AJ 130, 1862. First-approximation semianlytical solutions of partial-eclipse systems.

Narayan, R. 2005, Ap&SS 300, 177. Low-luminosity accretion in BH XRBs and AGNs.

Niedźwiecki, A., Zdziarski, A.A. 2006, MNRAS 365, 606. Bulk motion Comptonization in BH accretion flows.

O'Shaughnessy, R., Kaplan, J. Kalogera, V., Belczynski, K. 2005, ApJ 632, 1035. Bounds on expected BH spins in inspiralling binaries.

O'Shaughnessy, R., Kim, C., Fragos, T., Kalogera, V., Belczynski, K. 2005, ApJ 633, 1076. Constraining population synthesis models via binary NS population.

Page, K.L. et al. (19 authors) 2006, ApJ 637, L13. GRB 0509 may be a due to a BH-NS merger. (9*)

Patruno, A. 2005, MNRAS 364, 344. Radio pulsars around intermediate-mass BHs in superstellar clusters.

Patterson, J. et al. (20 authors) 2005, PASP 117, 1204. Superhumps in CVs - q_{crit}, $\epsilon(q)$, and mass-radius relationships.

Pereyra, N.A., Hillier, D.J., Turnshek, D.A. 2006, ApJ 636, 411. Line-driven disk winds applied to CVs. (8c)

Perna, R., Enrico, B., Stella, L. 2006, ApJ 639, 363. Model of spin-up/spin-down transitions in accreting XRBs. (8d)

Pinsonneault, M.H., Stanek, K.Z. 2006, ApJ 639, L67. About 50% of detached binaries have mass ratios near 1. (2*)

Pittard, J. M. et al. (5 authors) 2006, A&A 446, 1001. Radio emission models of colliding-wind binary systems. Inclusion of IC cooling.

Pooley, D., Rappaport, S. 2005, ApJ 634, L85. X-ray and optical eclipses in ultraluminous x-ray sources as indicators of BH mass.

Portegies Zwart, S.F., Dewi, J., Maccarone, T. 2005, Ap&SS 300, 247. Formation and evolution of intermediate-mass BH XRBs.

Pourbaix, D. et al. (14 authors) 2005, A&A 444, 643. Candidate SBs in the SDSS.

Reig, P. et al. (5 authors) 2005, A&A 440, 637. (6c) Identification of the optical counterparts of HMXBs through optical photometry and spectroscopy.

Remillard, R.A. 2005, Astron. Nachr. 326, 804. X-ray spectral states and high-frequency QPOs in BH binaries.

Rosswog, S. 2005, ApJ 634, 1202. Mergers of NS-BH binaries with small mass ratios: nucleosynthesis, γ-ray bursts, and electromagnetic transients.

Rubio-Herrera, E., Lee, W.H. 2005, MNRAS 362, 789. Oscillation of thick accretion discs around BHs – II.

Rukmini, J., Rao, P.V., Sriram, K. 2005, Ap&SS 299, 109. Photometric study of a W UMa-type binary in the old cluster NGC 6791.

Sandquist, E.L. 2005, ApJ 635, L73. Blue stragglers in low-luminosity star clusters.

Sguera, V. et al. (11 authors) 2005, A&A 444, 221. INTEGRAL observations of recurrent fast x-ray transient sources.

Shara, M.M. et al. (5 authors) 2005, AJ 130, 1829. Are the erupting CVs in NGC 6397 IPs?.

Shtykovskiy, P., Gilfanov, M. 2005, MNRAS 362, 879. HMXBs in the SMC: the luminosity function.

Silvestri, N.M. et al. (23 authors) 2006, AJ 131, 1674. Catalogue of 747 CBs from SDSS, mostly WD + dM systems.

Smak J. 2005, Acta Astronomica 55, 367. On the photometric properties of superhumps in dwarf novae of the SU UMa type.

Smith, R.C., Vande Putte, D. 2006, Observatory 126, 38. Testing criteria for stable mass transfer in CVs.

Söderhjelm, S., Dischler, J. 2005, A&A 442, 1003. EB statistics: Theory and observation.

Soydugan, E. et al. (5 authors) 2006, MNRAS 366, 1289. The connection between the pulsational and orbital periods for EB systems.

Stark, M.A., Wade, R.A. 2006, Baltic Astron. 15, 175. The nature of late-type companions in hot subdwarf composite-spectrum binaries.

Stroeer, A., Vecchio, A., Nelemans, G. 2005, ApJ 633, L33. Possible WD binary studies possible with the Laser Interferometer Space Antenna.

Szkody, P. et al. (29 authors) 2006, AJ 131, 973. Fifth list of CVs from SDSS.

Tutukov, A.V. 2005, AZh 82, 1109. (8c) NSs in CBs with elliptical orbits.

van der Klis, M. 2005, Astron. Nachr. 326, 798. The QPO phenomenon.

van der Sluys, M.V., Verbunt, F., Pols, O.R. 2005, A&A 440, 973. Reduced magnetic braking and the magnetic capture model for the formation of ultra-compact binaries.

van Rensbergen, W., de Loore, C., Jansen, K. 2006, A&A 446, 1071. Evolution of interacting binaries with a B-type primary at birth.

Wade, R.A. et al. (4 authors) 2006, Baltic Astron. 15, 81. Searching for the "missing" PG hot subdwarfs in SDSS and GALEX data.

Wellhouse, J.W. et al. (5 authors) 2005, PASP 117, 1378. Unsuccessful search for binaries among magnetic 2MASS WDs.

Williams, B. et al. (5 authors) 2005, ApJ 635, 1263. Explanation of period distribution of CVs. (8c)

Yakut, K., Eggleton. P.P. 2005, ApJ 629, 1055. Study of relationships between various configurations of interacting binaries. (8c, 9)

Zakirov, M.M., Eshankulova, M.V. 2004, KFNT 20, 313. (9) CB systems in regions of OB-associations. I. Preliminary investigation.

Zhang, C.M., Kojima, Y. 2006, MNRAS 366, 137. The bottom magnetic field and magnetosphere evolution of NS in LMXB.

Zhang, F., Li, L., Han, Z. 2005, MNRAS 364, 503. Evolutionary population synthesis for binary stellar population at high spectral resolution: integrated spectral energy distributions and absorption-feature indices.

Życki, P.T., Sobolewska, M.A. 2005, MNRAS 364, 891. Modelling the energy dependencies of x-ray QPOs in accreting compact objects.

Collections of data

Abe, F. et al. (19 authors) 2005, MNRAS 364, 325. (1ao, 5abce) Search for 12 planetary transit candidates.

Abt, H.A., Willmarth, D. 2006, ApJS 162, 207. (2ao, 5bd) RV and orbits for 39 SB1s and 12 SB2s F7-G8 IV-V stars within 25 pc, many previously known.

Anderson, S.F. et al. (26 authors) 2005, AJ 130, 2230. (1a, 2b, 6b) Discovery of four new AM CVn candidates by SDSS spectroscopy and follow-up photometry: SDSS J0926+3624, SDSS J1411+4812, SDSS J1552+3201, SDSS J0129+3842. See also Individual Stars (SDSS J0926+3624).

Aungwerojwit, A. et al. (12 authors) 2005, A&A 443, 995. (1ao, 2o, 5c) New long-period CVs: HS 0139+0559, HS 0229+8016, HS 0506+7725, HS 0642+5049.

Bakis, V., et al. (7 authors) 2005, IBVS 5662. (5a) 51 new minima times of 34 EBs: XZ Aql, OO Aql, TT Aur, UW Boo, AC Boo, AR Boo, SV Cam, AB Cas, IR Cas, TV Cas, VW Cep, XX Cep, EG Cep, EM Cep, GSC 4288 0186, ZZ Cyg, DK Cyg, UW Cyg, V388 Cyg, V859 Cyg, V1061 Cyg, Z Dra, TZ Dra, TW Dra, V1034 Her, SW Lac, EM Lac, EW Lyr, V502 Oph, V839 Oph, AT Peg, BG Peg, DI Peg, AU Ser.

Bartkevičius, A., Sperauskas, J. 2005, Baltic Astron. 14, 511. (2a) RVs of population II binaries - 91 Hipparcos stars yield 8 new RV variables: HD 29696, HD 117466 AB, BD +28°4035 AB, BD +30°2129 A, BD +39°1828 AB, BD +69°230 A, BD +82°565 A, TYC 2267-1300-1, and 2 suspected variables: HD 27961 AB, HD 75632 AB.

Benaglia, P., Koribalski, B., Colombo, J.F.A. 2006, Publ. Astron. Soc. Australia 23, 50. (2r) Radio detection of colliding-wind binaries: CD−47°4551, HD 93129A, HD 124314, HD 150136.

Biazzo, K. et al. (4 authors) 2006, A&A 446, 1129. (2d) Hα spectrophotometry: VY Ari, HK Lac, IM Peg (see also General).

Bíro, I.B. et al. (12 authors) 2006, IBVS 5684. (5a) New times of minima of EBs: RT And, EP And, OO Aql, IM Aur, IU Aur, SV Cam, AS Cam, RZ Cas, OX Cas, PV Cas, VW Cep, EK Cep, AH Cnc, ES Cnc, AQ Com, LS Del, U Gem, HS Her, V994 Her, AU Lac, Y Leo, UZ Leo, V404 Lyr, BX Peg, AG Per, β Per, WZ Sge, DW UMa, LP UMa, TV UMi.

Borkovits, T. et al. (7 authors) 2005, A&A 441, 1087. (5ab) Period variations as possible indirect evidence for magnetic cycles in W UMa systems: AB And, OO Aql, DK Cyg, V566 Oph, U Peg.

Bouy, H. et al. (8 authors) 2006, ApJ 637, 1056. (1o) No new brown dwarf binaries discovered in the Pleiades.

Corbel, S., Tomsick, J.A., Kaaret, P. 2006, ApJ 636, 971. (1x) XTE J1550−564 and H1743−322 x-ray emission in quiescence.

Diethelm, R. 2005, IBVS 5653. (5a) 217 timings of minima of EBs secured by BBSAG observers between July 2004 and June 2005: AS And, BL And, FK And, WZ Ant, AF Aps, BH Aps, BV Aps, RY Aur, ZZ Aur, CG Aur, DO Aur, EI Aur, EP Aur, GX Aur, HL Aur, HP Aur, IZ Aur, KU Aur, V364 Aur, V404 Aur, V410 Aur, TU Boo, TZ Boo, UW Boo, VW Boo, XY Boo, AC Boo, AD Boo, AQ Boo, AR Boo, GM Boo, GN Boo, GQ Boo, GR Boo, AS Cam, CD Cam, DF CVn, DH CVn, RS CMi, TY CMi, AP CMi, BB CMi, BH Cas, CV Cas, CW Cas, EI Cas, EP Cas, GR Cas, GU Cas, KL Cas, MT Cas, NU Cas, OR Cas, PV Cas, V350 Cas, V359 Cas, V537 Cas, WW Cep, GG Cep, GI Cep, LP Cep, OT Cep, BN Cir, LO Com, LP Com, V635 Cyg, V1066 Cyg, V2280 Cyg, V2282 Cyg, V2284 Cyg, V2294 Cyg, BE Dra, KK Dra, RZ Equ, AA Eri, U Gem, AF Gem, AI Gem, AV Gem, BS Gem, EY Gem, GP Gem, HR Gem, KQ Gem, V412 Her, V490 Her, V842 Her, V1033 Her, V1036 Her, V1038 Her, V1039 Her, AG Lac, EK Lac, EL Lac, HX Lac, IM Lac, PP Lac, V344 Lac, AL Leo, LZ Lyr, V512 Lyr, V496 Oph, V511 Oph, V1016 Oph, V641 Ori, V645 Ori, ZZ Peg, BO Peg, BX Peg, BY Peg, CE Peg, DZ Per, EQ Per, II Per, PS Per, QT Per, V450 Per, Y Psc, CX Ser, WY Tau, CR Tau, ES Tau, IV Tau, V781 Tau, V1112 Tau, HW Vir, CS Vul, GSC 181 2426, GSC 995 1646, GSC 1537 1557, GSC 1549 121, GSC 1996 437, GSC 2004 784, GSC 2035 175, GSC 2040 1361, GSC 2579 1125, GSC 2580 2086, GSC 2533 1519, GSC 2534 216, GSC 2536 122, GSC 2537 520, GSC 2544 1007, GSC 2548 936, GSC 2632 319, GSC 2915 2, GSC 3022 996, GSC 3026 1046, GSC 3097 1297, GSC 3101 547, GSC 3104 1384, GSC 3106 1368, GSC 3510 5, GSC 3540 85, GSC 3549 929, GSC 3888 464, NSV 223.

Dvorak, S.W. 2006, IBVS 5676. (5a) Times of minima for neglected EBs in 2005: CN And, GZ And, V1355 Aql, CR Aqr, HV Aqr, HW Aur, V402 Aur, AC Boo, EF Boo, XY Boo, BS Cas, V384 Cas, BE Cep, DY Cet, YY Cet, TY CMi, WY Cnc, YY CrB, DF CVn, V753 Cyg, V1787 Cyg, V1918 Cyg, V2150 Cyg, BZ Eri, VV Eri, AV Gem, GW Gem, KV Gem, ES Her, V733 Her, V829 Her, V1042 Her, V1065 Her, LU Lac, PP Lac, V344 Lac, VY Lac, DU Leo, VW LMi, AO Mon, V514 Mon, V508 Oph, V509 Oph, V2357 Oph, V2383 Oph, V392 Ori, BY Peg, KW Peg, V351 Peg, ZZ Peg, DV Per, IU Per, KN Per, V449 Per, DV Psc, VZ Psc, RZ Pyx, AS Ser, OU Ser, CT Tau, GW Tau, AG Vir, HW Vir, NN Vir.

Edelmann, H., Altmann, M., Heber, U. 2006, Baltic Astron. 15, 191. (5d) Four RV variable sdB stars with eccentric orbits: PG 1233−136, [CW 83]1419−09, PG 0133+114, PB 7352.

Edelmann, H. et al. (5 authors) 2005, A&A 442, 1023. (2ac, 5d) High-resolution spectroscopy of bright subdwarf B stars. I. RV variables: HD 171858, HD 188112, CD −24°731, CPD −64°481, PG 0001+275, PG 0133+114, HE 0230−4323, PG 1232−136, [CW83] 1419−09, [CW83] 1735+22, BPS CS 22169-0001, JL 82, LB 1516, PB 7352, PHL 457, Ton S 153, Ton S 183.

Feline, W.J. et al. (5 authors) 2005, MNRAS 364, 1158. (1ao, 5abcgij) Photometry and disc model: GY Cnc, HT Cas, IR Com.

Ferraro, F.R. et al. (6 authors) 2006, ApJ 638, 433. (1o) 300 blue straggler candidates discovered in ω Cen, most due to mass exchange.

Geske, M.T., Gettel, S.J., McKay, T.A. 2006, AJ 131, 633. (1x) ROSAT survey of 142 CBs.

Gettel, S.J., Geske, M.T., McKay, T.A. 2006, AJ 131, 621. (6a) Catalogue of 1022 bright CBs.

Griffin, R.F. 2005, Observatory 125, 300. (2a, 5d) RVs and spectroscopic orbits: HD 106383, HD 109070, HD 118157, HD 121213.

Griffin, R.F. 2005, Observatory 125, 367. (2a, 5d) RVs and spectroscopic orbits: HR 2452, HR 5769, HD 15850, HD 193468.

Hargis, J.R., Sandquist, E.L. Bradstreet, D.H. 2005, AJ 130, 2824. (1ao, 5bc, 6b) 31 new EB in M11 field with LC solutions for two.

Hartman, J.D. et al. (5 authors) 2005, AJ 130, 2241. (1ao, 6b) Detection of W UMa binaries in NGC 6791.

Heinze, A.N., Hinz, P.M. 2005, AJ 130, 1929. (2b, 6b) OGLE-III planetary-transit candidates; OGLE-TR-135 and OGLE-TR-137 probably EBs.

Hillwig, T.C. et al. (6 authors) 2006, ApJ 639, 1069. (1b, 2ao, 5bcde) Observations of 13 O-type stars in the Cas OB6 discover 2 new binaries and provides new elements for 3 new binaries: DN Cas, BD+60 497, HD 17505A, BD +60 594, HD 17520.

Ivanova, N., Kalogera, V. 2006, ApJ 636, 985. (9*) Factors affecting the BH mass spectrum.

Kaluzny, J., Mochnacki, S., Rucinski, S.M. 2006, AJ 131, 407. (1ao, 6b) Discovery of new CBs in LMC, including at least one contact binary.

Kaluzny, J. et al. (4 authors) 2006, MNRAS 365, 548. (1ao, 5abce, 6bc) Photometric survey for 30 variable stars in NGC 6397.

Karl, C. et al. (4 authors) 2006, Baltic Astron. 15, 151. (5dh) RVs of 6 sdB binaries from the SPY (Supernova Ia progenitor survey) project: WD 0048−202, HE 0532−4503, HE 0929−0424, HE 1448−0510, HE 2135−3749, HE 2150−0238.

Kotková, L., Wolf, M. 2006, IBVS 5676. (5a) Precise CCD times of minima of selected EBs: TT And, UU And, AD And, CO And, DO And, EP And, GK And, HS And, LO And, CZ Aqr, V343 Aql, V407 Aql, V417 Aql, V609 Aql, V694 Aql, V803 Aql, V1075 Aql, AH Aur, AM Aur, CI Aur, GX Aur, HL Aur, HS Aur, KO Aur, XY Boo, RV CVn, AH Cas, AL Cas, CW Cas, XY Cep, BE Cep, DK Cep, DP Cep, RW Com, RW CrB, TW CrB, UW Cyg, CG Cyg, DX Cyg, GV Cyg, V401 Cyg, V442 Cyg, V456 Cyg, V469 Cyg, V700 Cyg, V859 Cyg, V865 Cyg, V961 Cyg, V1004 Cyg, RR Dra, RZ Dra, WX Dra, BE Dra, BU Dra, BD Gem, EM Lac, V344 Lac, Y Leo, WZ Leo, XZ Leo, AM Leo, AP Leo, CE Leo, TZ Lyr, XZ Mon, AY Mon, BM Mon, DD Mon, HM Mon, V396 Mon, V453 Mon, V509 Oph, V2203 Oph, FZ Ori, GU Ori, V343 Ori, V392 Ori, UX Peg, KW Peg, WY Per, HK Per, IT Per, V432 Per, V482 Per, AO Ser, VV UMa, XZ UMa, BM UMa, HW Vir, EU Vul, FM Vul, GP Vul, NO Vul.

Krajci, T. 2006, IBVS 5690. (5a) Photoelectric minima of some EBs: UU And, HU And, HV Aqr, V936 Aql, V1647 Aql, SZ Ari, DO Aur, FV Aur, II Aur, V355 Aur, CP Cam, XZ Cnc, AC Cnc, AH Cnc, BI CVn, DM CVn, SZ CMa, AD CMa, CZ CMa, TX CMi, AV CMi, AQ Cap, RZ Cas, GK Cas, MR Cas, NU Cas, V361 Cas, FH Cep, GW Cep, NR Cep, WY Cet, YY Cet, DY Cet, CM Com, EK Com, NU Cyg, QW Cyg, V490 Cyg, V693 Cyg, V803 Cyg, V842 Cyg, V884 Cyg, V907

Cyg, V931 Cyg, V979 Cyg, V1045 Cyg, V1189 Cyg, FR Del, LU Dra, AM Eri, GZ Gem, V501 Her, V513 Her, V731 Her, V742 Her, VX Lac, AG Lac, LU Lac, BW Leo, T LMi, RV Lib, SS Lib, TY Lib, VZ Lib, AA Lib, AE Lib, BW Lib, ES Lib, FU Lib, FW Lib, GI Lib, GK Lib, GV Lib, GY Lib, HQ Lib, IL Lib, IT Lib, WW Lyn, V417 Lyr, V429 Lyr, DW Mon, FV Mon, HM Mon, HP Mon, IM Mon, V383 Mon, V384 Mon, V457 Mon, V464 Mon, V515 Mon, V524 Mon, V635 Mon, V1016 Oph, V1022 Oph, V1120 Oph, V1677 Oph, V1811 Oph, V2377 Oph, VV Ori, ES Ori, FK Ori, V641 Ori, V645 Ori, V667 Ori, V1016 Ori, V1027 Ori, BQ Peg, CF Peg, EY Peg, HI Peg, DV Per, DX Per, FW Per, V364 Per, V434 Per, SU Psc, DV Psc, DF Pup, KW Pup, UU Sge, GN Sge, BK Sgr, V1068 Sgr, V4197 Sgr, V4202 Sgr, V784 Sco, V1044 Sco, V1054 Sco, EZ Sct, FG Sct, CQ Ser, LX Ser, MX Ser, Y Sex, BN Tau, GQ Tau, RW Tri, ST Tri, XY UMa, DN UMa, VV Vir, AG Vir, AK Vir, CM Vir, CX Vir, DL Vir, DM Vir, FO Vir, FQ Vir, GK Vir, HT Vir, MR Vir, MS Vir, GSC 2336 0821, GSC 3449 0688, GSC 1874 0399, Ha0242 2802, SDSS J040714−064425.

Kubota, A. et al. (4 authors) 2005, ApJ 631, 1062. (2dx,5i) Fitting of temperature profile in thin disk: V1033 Sco (GRO J1655−40), XTE J2012+381, LMC X-1, LMC X-3.

Lacy, C.H.S. 2006, IBVS 5670. (5a) New times of minima of some EBs: AP And, CO And, V602 Aql, CG Aur, HP Aur, V381 Cas, V389 Cas, V651 Cas, IO Cep, V456 Cyg, V974 Cyg, V1136 Cyg, BF Dra, LV Her, GM Hya, RW Lac, V501 Mon, SX Oph, V506 Oph, V648 Ori, IM Per, NP Per, V482 Per, AQ Ser, BI Ser, CF Tau, BP Vul, BT Vul, EQ Vul.

Markoff,S., Nowak, M.A. 2006, ApJ 635, 1203. (2x, 8a) Base of jet in V821 Ara (GX 339-4) and V1357 Cyg (Cyg X-1) acts as compact accretion-disk coronae.

Milone, E.F. et al. (7 authors) 2005, A&A 441, 605. (1ao, 2ao, 5cde) Orbits and masses from simulated Gaia data: SV Cam, BS Dra, HP Dra.

Mondi Bidin, C. et al. (6 authors) 2006, Baltic Astron. 15, 53. (2a) Spectroscopic search for binaries among hottest horizontal branch stars in globular custers: no CBs found among 51 stars in NGC 6752 and first 15 stars in M80.

Morales-Rueda, L. et al. (5 authors) 2006, Baltic Astron. 15, 187. (2a, 5d) Orbital solutions of four binaries out of 17 sdB stars with RV variations from the Edinburgh-Cape survey: EC 00404−4429, EC 02200−2338, EC 12327−1338, EC 12408−1427.

Mossakovskaja, L.V. 2006, IBVS 5675. (5a) Photoelectric times of minima of some EBs: Y Cam, W Del, GG Ori, TX UMa.

Nelemans, G. et al. (11 authors) 2005, A&A 440, 1087. (1ao, 2o, 5e) Binaries discovered by the SPY project. IV. Five single-lined DA double WDs: HE0320−1917, WD0326−273, WD1013−010, WD1210+140, HE1511−0448.

Nelson, R.H. 2006, IBVS 5672. (5a) CCD minima for selected EBs in 2005: AP And, CN And, V346 Aql, RX Ari, TX Ari, SX Aur, ZZ Aur, CL Aur, DO Aur, EM Aur, EP Aur, EP Aur, FW Aur, GI Aur, GX Aur, HL Aur, HP Aur, HU Aur, V364 Aur, V402 Aur, V410 Aur, EF Boo, GS Boo, AO Cam, CW Cas, V364 Cas, V381 Cas, V445 Cas, V473 Cas, V520 Cas, WZ Cep, WZ Cep, AK CMi, WW Cnc, YY Cnc, AH Cnc, EH Cnc, CC Com, EK Com, TW CrB, DF CVn, DH CVn, DH CVn, DI CVn, V388 Cyg, V726 Cyg, V824 Cyg, V841 Cyg, V859 Cyg, V865 Cyg, V1141 Cyg, V1147 Cyg, V1191 Cyg, V1305 Cyg, ET Del, BE Dra, EF Dra, AC Gem, DP Gem, FT Gem, KV Gem, QW Gem, V345 Gem, V728 Her, V731 Her, V1043 Her, WY Hya, VY Lac, IM Lac, PP Lac, Y Leo, UZ Leo, XY Leo, RT LMi, SW Lyn, UU Lyn, BG Lyn, V448 Mon, V498 Mon, V514 Mon, V714 Mon, UW Ori, FF Ori, V1363 Ori, DK Per, HW Per, IK Per, KR Per, RV Psc, CC Ser, WY Tau, AN Tau,

BV Tau, CR Tau, CU Tau, V781 Tau, V1128 Tau, TY UMa, XY UMa, BM UMa, HH UMa, HN UMa, RU UMi, BG Vul, BT Vul.

Otero, S.A., Hoogeveen, G.J., Wils, P. 2006, IBVS 5674. (5b) New elements for 80 EBs found in ASAS-3, Hipparcos and NSVS databases VIII.: EL And, KP And, LY And, MW And, V412 And, AL Aps, BO Aps, MM Aps, EF Aqr, FW Aqr, GN Aqr, V864 Aql, V887 Aql, V1455 Aql, V529 Ara, FZ Aur, GW Aur, V355 Aur, EI CMa, EX CMa, MV Car, V537 Cas, V404 Cen, V600 Cen, V656 Cen, V721 Cen, V348 Cyg, V504 Cyg, V1321 Cyg, V1941 Cyg, KK Gem, V1021 Her, AS Hya, AE Ind, DE Lyn, AF Oph, LL Oph, V1879 Oph, V517 Ori, BB Per, SZ Pup, MO Pup, V468 Sco, V698 Sco, GSC 1158 0201, GSC 1684 0522, GSC 1721 1141, GSC 1805 0750, GSC 4678 0496, GSC 4685 1287, GSC 5451 1708, GSC 5759 0110, GSC 6550 3021, GSC 6816 0087, GSC 6839 0257, GSC 7102 1072, GSC 7133 3078, GSC 7194 0239, GSC 7588 0403, GSC 7666 0960, GSC 7672 2238, GSC 8198 1376, GSC 8296 2365, GSC 9135 0268, GSC 9517 0107, NSV 00042, NSV 00608, NSV 01226, NSV 07972, NSV 08269, NSV 09226, NSV 09650, NSV 10349, NSV 10761, NSV 12109, NSV 12268, NSV 12860, NSV 14638, NSV 25852, NSV 25943.

Otero, S.A. et al. (4 authors) 2006, IBVS 5681. (6b) 50 new eccentric EBs found in ASAS, Hipparcos and NSVS Databases: EQ Boo, V990 Her, PX Hya, V680 Mon, VZ PsA, V3895 Sgr, GSC 0134 1181, GSC 0169 2236, GSC 1890 1296, GSC 2143 1871, GSC 3152 1202, GSC 3612 1565, GSC 3670 0919, GSC 3677 0819, GSC 3682 0837, GSC 3964 0741, GSC 4031 2155, GSC 4062 0752, GSC 4257 0906, GSC 4277 0586, GSC 4282 0702, GSC 4292 0745, GSC 4302 0936, GSC 4309 0449, GSC 4311 0987, GSC 4330 1963, GSC 4349 1189, GSC 4375 1733, GSC 4381 0288, GSC 4479 0412, GSC 4480 0830, GSC 4480 1097, GSC 4480 1261, GSC 4481 0230, GSC 4487 0347, GSC 4502 0203, GSC 4513 2537, GSC 4514 2034, GSC 4518 1759, GSC 4524 1856, GSC 4544 0439, GSC 4596 1254, GSC 5922 1647, GSC 8957 2047, NSV 04653, NSV 08163, NSV 08299, NSV 12772, NSV 17921, NSV 24564.

Peters, C.S., Thorstensen, J.R. 2005, PASP 117, 1386. (2ad, 5bd) Long-P CVs: GY Hya, V392 Hya, RX J1951.7+3716, SDSS J204448−045929.

Pribulla, Th. et al. (9 authors) 2005, IBVS 5668. (5a) 180 CCD and photoelectric times of minima of selected EBs: RT And, AB And, BX And, AH Aur, V410 Aur, 44 Boo, TZ Boo, DU Boo, ET Boo, FI Boo, SV Cam, DN Cam, BI CVn, BS Cas, CW Cas, V523 Cas, VW Cep, WZ Cep, GW Cep, EE Cet, RW Com, SS Com, CC Com, EK Com, YY CrB, CG Cyg, V401 Cyg, V1191 Cyg, EF Dra, FU Dra, V829 Her, V857 Her, V921 Her, SW Lac, V344 Lac, CE Leo, EX Leo, VW LMi, V714 Mon, V753 Mon, BX Peg, KW Peg, V432 Per, DV Psc, V Sge, CW Sge, OU Ser, AH Tau, EQ Tau, W UMa, XY UMa, AA UMa, AW UMa, HH UMa, TV UMi, AG Vir, HT Vir, ER Vul.

Ramsay, G. et al. (6 authors) 2005, A&A 440, 675. (1ax, 5i) XMM-Newton observations of AM CVn systems: CR Boo, AM CVn, GP Com, HP Lib.

Randall, S.W., Sarazin, C.L., Irwin, J.I. 2006, ApJ 636, 200. (1x) XMM-Newton observations of LMXBs in NGC 4649.

Robinson, P.B., Clayton, G.C., Schaefer, B.E. 2006, PASP 118, 385. (1bo*) Search of plates of Maria Mitchell Observatory for outbursts 1913-1995 of recurrent novae CI Aql, V1017 Sgr, V3890 Sgr, and clasical novae BS Sgr, V1016 Sgr, V1172 Sgr, V4444 Sgr yields none that were not already known.

Sandquist, E.L. 2006, IBVS 5679. (1a, 6b) New EBs in the field of M67: Cl* NGC 2682 FBC 2404, Cl* NGC 2682 FBC 5018, Cl* NGC 2682 FBC 5774, Cl* NGC 2682 FBC 5986.

Schmidtke, P.C., Cowley, A.P. 2005, AJ 130, 2220. (1aoi*) Photometric periodicities of Be/x-ray pul-

sars in the SMC: XMMU J0047237−731226, RX J0049.1−7250, RX J0050.7−7316, XTE J0052−725, CXOU J005455.6−7245.0, RX J0054.9−7226, XMMU J005517.9−723853.

Seetha, S., Ashoka, B.N., Marar, T.M.K. 2005, J. Ap. & Astron. 26, 301. (1o) Results of some pulsators from WET: PG 1336−018, REJ 0751+14.

Skopal, A. 2005, A&A 440, 995. Disentangling the composite continuum of symbiotic binaries. I. S-type systems: EG And, Z And, AE Ara, T CrB, TX CVn, BF Cyg, CH Cyg, CI Cyg, V1329 Cyg, LT Del, AG Dra, CQ Dra, V443 Her, YY Her, RW Hya, SY Mus, AR Pav, AG Peg, AX Per, IV Vir, CD−43°14304.

Stairs, I.H. et al. (14 authors) 2005, ApJ 632, 1060. (4ar, 6b) Discoveries of ms pulsars in wide orbits of WDs: PSR J1751−2857, PSR J1853+1303, PSR J1910+1256.

Todd, I. et al. (6 authors) 2005, MNRAS 362, 915. (1ao, 5bc, 6b) A survey of EBs in the eastern spiral arm of M31 (280 binaries identified, 98 newly discovered).

Wadhwa, S.S. 2005, Ap&SS 300, 289. (1o*, 5c) Analysis of All-Sky Automated Survey V-band data: II Aps, AV Pup, GZ Pup.

Wadhwa, S.S. 2005, Ap&SS 300, 329. (1o*, 5c) Analysis of All-Sky Automated Survey V-band data: NW Aps, BV 435, BV 996.

Wadhwa, S.S. 2006, Ap&SS 301, 195. (1o*, 5c) Analysis of All-Sky Automated Survey V-band data: NSV 3497, NSV 13890.

Woudt, P.A., Warner, B., Spark, M. 2005, MNRAS 364, 107. (1ao, 5abcg) High-speed photometry of faint CVs: V433 Ara, OQ Car, V591 Cen, V1039 Cen, UY Mic, V367 Peg, V382 Vel, SY Vol, RX J0403+044, Cal 86, LB 9963, MACHO peculiar variable in Sgr.

Yang, Y.-G. et al. (4 authors) 2005, Ap&SS 300, 337. (1ao, 5c) New W UMa systems: GSC 0619-0232, GSC 0804-0118, GSC 1848-1264, GSC 2936-0478.

Yang, Y.-G. et al. (5 authors) 2005, PASJ 57, 983. (1ao, 5bce) Photometric investigations: GSC 0763-0572, RR Cen, ϵ CrA.

Zakirov, M.M., Eshankulova, M.V. 2004, KFNT 20, 525. (1b, 5b) CB systems in regions of OB-associations. II. AT Vul in Vul OB1 and EV Vul in Vul OB4.

Zamanov, R.K. et al. (6 authors) 2006, MNRAS 365, 1215. (2ao, 5bdegijk, 8c) Rotational velocities of the mass donors in symbiotic stars: V417 Cen, HDE 330036, AS 201, Hen 3-1591, StHα 190.

Zhang, C.M. et al. (5 authors) 2006, MNRAS 366, 1373.(1x*, 5bi) Correlation between the twin kHz QPO frequencies of 18 LMXBs: SAXJ 1808.4-3658, Sco X-1, GX 17+2, GX 340+0, GX349+2, GX 5-1, Gyg X-2, 4U 0614+09, 4U 1608−52, 4U 1636−53, 4U 1702−43, 4U 1705−44, 4U 1728−34, KS 1731−260, 4U 1735−44, 4U 1820−30, 4U 1915−05, XTEJ 2123−058.

Zola, S. et al. (12 authors) 2006, Acta Astronomica 55, 389. (1a, 2a, 5bcd) Physical properties of components in CBs: CN And, V776 Cas, FU Dra, UV Lyn, BB Peg, V592 Per, OU Ser, EQ Tau, HN UMa, HT Vir.

Proceedings of Conferences, Symposia, and Monographs

Evolutionary Processes in Binary and Multiple Stars, *P.P. Eggleton* 2006, Cambridge U. Press.

Spectroscopically and Spatially Resolving the Components of Close Binary Stars, eds. *R.W. Hilditch, H. Hensberge, K. Pavlovski* 2004, ASP Conf. Ser. 318.

A Study of the Phenomena Exhibited by Eclipsing Binary Systems, *R. Müller, E.H. Geyer* 2005, Berlin: Pro Business GmbH.

Magnetic Cataclysmic Variables - IAU Coll. 190, eds. *S. Vrielmann, M. Cropper* 2004, ASP Conf. Ser. 315.

IAU Commission 42

BIBLIOGRAPHY OF CLOSE BINARIES

No. 82, June 2006

Editor-in-Chief: C.D. Scarfe

Department of Physics and Astronomy
University of Victoria
Victoria, B.C., V8W 3P6, Canada

Phone: +01 250 721-7749
Fax: +01 250 721-7715
scarfe@uvic.ca