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SPECIAL ANNOUNCEMENT

From BCB issue no. 72 (June 2001) on, the **editor-in-chief will change**. I am pleased to announce that

Professor Dr. Colin D. Scarfe

will take over the responsibility for the publication of BCB.

I like to express my sincere thanks to all past and current members of the editorial team for their extensive efforts as contributing editors during the past five years. Thanks to their excellent collaboration, it was a real pleasure to compile this bibliography.

Horst Drechsel

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The bibliographical entries for *Individual Stars* and *Collections of Data* are categorized according to the following coding scheme:

1. Observational data

- a. Photometry
- b. Spectroscopy
- c. Spectrophotometry
- d. Polarimetry
- e. Astrometry, interferometry
- f. Times of minima
- g. γ-ray data
- i. Infrared data
- o. Optical data
- p. Photographic data
- r. Radio data
- u. Ultraviolet data
- v. Visual estimates
- x. X-ray data

2. Derived physical data

- a. Orbital elements
- b. Absolute dimensions, masses
- c. New or improved ephemeris, period variations
- d. Apsidal motion
- e. Physical properties of stellar atmospheres
- f. Chemical abundances
- g. Accretion disks and accretion phenomena

3. Catalogues, discoveries, charts

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

4. Observational techniques

5. Theoretical investigations

6. Statistical investigations

7. 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

Several entries of this issue use the abbreviation:

OAP — Odessa Astronomical Publications (issue of the Odessa Astronomical Observatory of the Odessa State University, Ukraine), Astroprint Publishing Company, Ukraine

Individual Stars

ζ And	*Zhang, Z. et al.* (4 authors) 2000, IBVS 4935. (1a) BV photometry.
Z And	2000, IAU Circ. 7489. (1v) First outburst since 1997.
BV And	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
FN And	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
PX And	*Littlefair, S.P. et al.* (4 authors) 2000, MNRAS 313, 117. (1bi, 2ag) J-band spectroscopy of CV.
UU Aqr	*Baptista, R. et al.* (4 authors) 2000, MNRAS 314, 713. (1abo, 2efg) Eclipse mapping techniques, AD structure of nova-like EB.
VY Aqr	*Littlefair, S.P. et al.* (4 authors) 2000, MNRAS 313, 117. (1bi, 2ag) J-band spectroscopy of CV.
AE Aqr	*Choi, C-S., Yi, I.* 2000, ApJ 538, 862. (6) Model for binary pulsar. *Ikhsanov, N.R.* 2000, A&A 358, 201. (2g, 5) Signs of a dead disk in CV.
HS Aqr	*Popper, D.M.* 2000, AJ 119, 2391. (1b, 2a)
HV Aqr	*Molík, P., Wolf, M.* 2000, IBVS 4951. (1af, 2c) Improved orbital period.
CI Aql (Nova Aql 1917)	2000, IAU Circ. 7409. (1p, 1b) Proposed identification with CI Aql. 2000, IAU Circ. 7411. (1a, 1b) Accurate position. 2000, IAU Circ. 7417. (1p) Pre-discovery fields. 2000, IAU Circ. 7426. (1b, 1a) Agreement on identification with CI Aql. 2000, IAU Circ. 7436. (1a) 2000, IAU Circ. 7444. (1a) 2000, IAU Circ. 7482. (1v) 2000, IAU Circ. 7490. (1c) Nova not yet in coronal phase. *Armsdorfer, B., Schmeja, S., Kimeswenger, S.* 2000, AG Abstr. Ser. 17, 62. (1aib) New outburst of Nova Aql 1917.
V1101 Aql	*Downes, R.A.* 2000, PASP 112, 1212. (1o) Possible circumbinary nebula appears to be stellar.
V1333 Aql (Aql X-1)	2000, IAU Circ. 7405. (7b) 2000, IAU Circ. 7423. (1a) New optical outburst. 2000, IAU Circ. 7429. (1a) Outburst did not develop.
V1430 Aql	*Popper, D.M.* 2000, AJ 119, 2391. (1b, 2a)
V1432 Aql	*Friedrich, S. et al.* (6 authors) 2000, AG Abstr. Ser. 17, 82. (1b, 2g) Doppler mapping of asynchronous polar system.
V1493 Aql	2000, IAU Circ. 7443. (1a) Modulated light curve. *Bonifacio P., Selvelli P.L., Caffau, E.* 2000, A&A 356, L53. (1a, 2e) Light curve of CV.
V1494 Aql	2000, IAU Circ. 7448. (1a) Sinusoidal variations.
V824 Ara	*Strassmeier, K.G., Rice, J.B.* 2000, A&A 360, 1019. (1b, 2abe) Doppler imaging of active binary.
SS Ari	*Liu, Q., Yang, Y.* 2000, A&A 361, 226. (2g, 5) Energy transfer and evolution of W UMa-type binary.
UX Ari	*Duemmler, R., Aarum, V.* 2000, AG Abstr. Ser. 17, 59. (1b, 2a) Analysis of RS CVn star with possible third component.
UY Aur	*Potter, D.E. et al.* (6 authors) 2000, ApJ 540, 422. (1id) High-resolution polarimetry map of circumbinary disk.
BF Aur	*Qian, S.-B. et al.* (4 authors) 2000, Acta Astron. Sin. 41, 36. (2c) Changes of orbital period.

HP Aur	*Popper, D.M.* 2000, AJ 119, 2391. (1b, 2a)
12 Boo	*Boden, A.F. , Creech-Eakman, M.J., Queloz, D.* 2000, ApJ 536, 880. (1be, 2a) Visual binary solution for 3 milli-arcsec binary.
AQ Boo	*Blättler, E.* 2000, IBVS 4871. (1af, 2c) Revised elements.
CR Boo	*El-Khoury, W., Wickramasinghe, D.* 2000, A&A 358, 154. (2g, 5) AD model for CV.
	Kato, T. et al. (5 authors) 2000, MNRAS 315, 140. (1aov, 2cg) Helium-rich variable with 46.3 day supercycle; quasi-periodic alternation of bright and faint states.
	Kunze, S. 2000, AG Abstr. Ser. 17, 35. (2g, 5) 3D SPH simulation of superhumps in double degenerate helium star binary.
CV Boo	*Popper, D.M.* 2000, AJ 119, 2391. (1b, 2a)
BY Cam	*Friedrich, S. et al.* (6 authors) 2000, AG Abstr. Ser. 17, 82. (1b, 2g) Doppler mapping of asynchronous polar system.
CI Cam	*Orlandini, M. et al.* (11 authors) 2000, A&A 356, 163. (1ox, 2e) CV in quiescence.
	Parmar, A.N. et al. (6 authors) 2000, A&A 360, L31. (1x, 2e) Unusual X-ray activity from CV.
AM CVn	*El-Khoury, W., Wickramasinghe, D.* 2000, A&A 358, 154. (2g, 5) AD model for CV.
	Kunze, S. 2000, AG Abstr. Ser. 17, 35. (2g, 5) 3D SPH simulation of superhumps in double degenerate helium star binary.
RY CMi	*Berthold, Th., Kroll, P.* 2000, IBVS 4874. (1f, 2c) Variable period.
SV CMi	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
BC Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
BM Cas	*Antoniuk, K.A.* 1999, OAP 11, 160. (1afp)
FI Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
GX Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
KU Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
V452 Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
V523 Cas	*Elias, N.M., Koch, R.H.* 2000, AJ 120, 1548. (1af, 2e)
	Lister, T.A., McDermid, R.M., Hilditch, R.W. 2000, MNRAS 317, 111. (1aefo, 2abc) Photometric study based on V and I CCD photometry.
V615 Cas	*Zamanov R., Marti, J.* 2000, A&A 358, L55. (1bor, 2e) Correlation between compact object and circumstellar disk in Be/X-ray binaries.
V705 Cas	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
V803 Cen	*Patterson, J.A. et al.* (6 authors) 2000, PASP 112, 625. (1a, 2g)
VW Cep	*Pustylnik, I.B., Niarchos, P.G.* 1999, OAP 12, 238. (1af, 2e)
XZ Cep	*Kondoh, M., Nakamura, Y.* 2000, IBVS 4934. (1d) Variation in polarization.
EI Cep	*Torres, G. et al.* (4 authors) 2000, AJ 119, 1942. (1b, 2ab)
RZ Com	*Liu Q., Yang, Y.* 2000, A&A 361, 226. (2g, 5) Energy transfer and evolution of W UMa-type binary.
V394 CrA	*Hachisu, I., Kato, M.* 2000, ApJ 540, 447. (5) LC model of recurrent nova.

W Crv	*Rucinski, S.M., Lu, W.* 2000, MNRAS 315, 587. (1ab, 2abc) Spectroscopic and photometric study; the shortest period Algol with non-degenerate components.
CH Cyg	*Kotnik-Karuza, D., Jurdana-Sepić, R.* 1999, New Astron. Rev. 43, 487. (1b, 2e) Slow changes in quiescent state.
CI Cyg	*Dmitrenko, E.S.* 2000, Pis. AZh 26, 603. (1a, 2cg)
EM Cyg	*North, R.C. et. al.* (6 authors) 2000, MNRAS 313, 383. (1ab, 2abg) Determination of mass ratio of dwarf nova.
V1028 Cyg	*Baba, H. et al.* (5 authors) 2000, PASJ 52, 429. (1a, 3B) New SU UMa-type dwarf nova.
V1073 Cyg	*Morris, S.L., Naftilan, S.A.* 2000, PASP 112, 852. (1af, 2abc)
V1329 Cyg	*Ikeda, Y., Tamura, S.* 2000, PASJ 52, 589. (1b) Radial velocities.
V1334 Cyg	*Evans, N.R.* 2000, AJ 119, 3050. (1bou, 2ab) Triple system containing Cepheid.
V1974 Cyg	*Casalegno, R. et al.* (9 authors) 2000, A&A 361, 725. (1b, 2e) The emission nebula associated with CV.
TT Del	*Qian, S.* 2000, AJ 119, 3064. (1f, 2c) Possible loss of mass and angular momentum.
HU Del	*Benedict, G.F. et al.* (5 authors) 2000, AJ 120, 1106. (1e, 2ab)
AA Dor	*Rauch, T.* 2000, A&A 356, 665. (1bou, 2bef) NLTE spectral analysis of the sdOB primary of EB.
AG Dra	*Tomov, N., Tomova, M.* 2000, IBVS 4953. (1a)
CM Dra	*Deeg, H.J. et al.* (6 authors) 2000, A&A 358, L5. (1f) A Jovian-mass planet around EB?
DO Dra	*Simon, V.* 2000, A&A 360, 627. (1v, 2e) Outburst activity of IP.
EX Dra	*Baptista, R., Catalan, M.S.* 2000, ApJ 539, L55. (1ar, 2a) Eclipse mapping techniques reveal spiral structure of disk in dwarf nova. *Baptista, R., Catalan, M.S., Costa, L.* 2000, MNRAS 316, 529. (1a, 2abcg) Eclipse studies and modelling of dwarf nova. *Joergens, V., Spruit, H.C., Rutten, R.G.M.* 2000, A&A 356, L33. (1b, 2eg) Doppler mapping of CV.
KL Dra	2000, IAU Circ. 7382. Dwarf nova and not a SN (SN 1998di).
YY Eri	*Karube, T. et al.* (8 authors) 2000, IBVS 4948. (1f, 2c)
BC Eri	*Nagai, K., Kiyota, S.* 2000, IBVS 4937. (1af, 2c)
CC Eri	*Amado, P.J. et al.* (7 authors) 2000, A&A 359, 159. (1abou, 2abce) Rotational modulation and flares on SB.
UZ For	*Kube, J., Gänsicke, B.T., Beuermann, K.* 2000, A&A 356, 490. (1c, 2g, 5) Fitting the LC of CV.
DM Gem	2000, IAU Circ. 7433. (1a) QPO's in known nova.
89 Her	*Percy, J.R., Bakos, A.G., Henry, G.W.* 2000, PASP 112, 840. (1aoi, 2c) Long period confirmed, possibly due to binarity.
AM Her	*Christian, D.J.* 2000, AJ 119, 1930. (1acux, 2eg) *Matt, G. et al.* (8 authors) 2000, A&A 358, 177. (1ox, 2eg) BeppoSAX observations of CV. *Schreiber, M.R., Gänsicke, B.T., Hessman, F.V.* 2000, A&A 358, 221. (2g, 5) The response of dwarf nova disk to real mass transfer variations.

HZ Her (Her X-1)	*Lutovinov, A.A., Grebenev, S.A. et al.* (4 authors) 2000, Pis. AZh 26, 803. (1x, 2c)
MM Her	*Tas, G.* 2000, IBVS 4883. (1a, 2c) *Tas, G.* 2000, IBVS 4901. (1f, 2c)
EX Hya	*Hellier, C. et al.* (8 authors) 2000, MNRAS 313, 703. (1aox, 2abg) Mass transfer events or disk instabilities during 1998 outburst of IP.
FG Hya	*Yang, Y., Liu, Q.* 2000, A&AS 144, 457. (1a, 2ace) Analysis of contact binary.
SS Lac	*Torres, G., Stefanik, R.P.* 2000, AJ 119, 1914. (1b, 2acd) Cessation of eclipses due to perturbation by third component.
AR Lac	*Frasca, A., Lanza, A.F.* 2000, A&A 356, 267. (1b, 2c) RVs as tool for period variation studies. *Frasca, A. et al.* (4 authors) 2000, A&A 358, 1007. (1b, 2ae) Chromospheric emission and RVs of active binary.
ST LMi	*Potter, S.B.* 2000, MNRAS 314, 672. (1d, 2eg) Imaging of polarimetric observations; mapping of emission regions of AM Her system.
VW LMi	*Dumitrescu, A.* 2000, IBVS 4952. (1af, 2c)
CD Lyn	*Baldwin, M.E. et al.* (9 authors) 2000, IBVS 4911. (1f, 2c)
β Lyr	*Harmanec, P.* 1999, New Astron. Rev. 43, 491. (5) Change of velocity amplitude proposed as direct test of mass transfer theory. *Kreiner, J.M., Pajdosz, G., Zola, S.* 1999, New Astron. Rev. 43, 499. (1f, 2c) 283-day periodicity confirmed in times of primary minimum only. *Umana, G. et al.* (6 authors) 2000, A&A 358, 229. (1r, 2e) Evidences for non-conservative mass-transfer process.
BO Mon	*Qian, S.* 2000, AJ 119, 3064. (1f, 2c) Possible loss of mass and angular momentum.
GI Mon	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
V578 Mon	*Hensberge, H., Pavlovski, K., Verschueren, W.* 2000, A&A 358, 553. (1ab, 2abce) Age and distance to NGC 2244 using a SB/EB member.
TV Mus	*Liu, Q., Yang, Y.* 2000, A&A 361, 226. (2g, 5) Energy transfer and evolution of W UMa-type binary.
RS Oph	*Hachisu, I., Kato, M.* 2000, ApJ 536, L93. (5) Thermonuclear runaway modelling of 1985 outburst.
V442 Oph	*Hoard, D.W., Thorstensen, J.R., Szkody, P.* 2000, ApJ 537, 936. (1b, 2cg) P = 0.1243 days, in CV period gap.
V2134 Oph	*Wachter, S., Smale, A.P., Bailyn, C.* 2000, ApJ 534, 367. (1acox, 2c) Resumption of X-ray emission, first optical LC.
64 Ori	*Scarfe, C.D., Barlow, D.J., Fekel, F.C.* 2000, AJ 119, 2415. (1b, 2ab)
ι Ori	*Marchenko, S.V. et al.* (21 authors) 2000, MNRAS 317, 333. (1abo, 2abd) Orbital and system parameters based on spectroscopic and photometric observations.
θ Ori A	*Stickland, D.J., Lloyd, C.* 2000, Observatory 120, 141. (1bu, 2c) Review of binary properties.
BM Ori	*Vasilevskii, A.S., Vitrichenko, E.A.* 2000, Pis. AZh 26, 613, (1a, 2b) *Vitrichenko, E.A., Plachinda, S.I.* 2000, Pis. AZh 26, 456. (1bc, 2ef)
V1016 Ori	*Bondar, N.I., Vitrichenko, E.A. et al.* (3 authors) 2000, Pis. AZh 26, 525. (1af, 2a)

V1355 Ori	*Strassmeier, K.G.* 2000, A&A 357, 608. (1ab, 2abce) Flaring of RS CVn binary.
NP Pav	*Cerruti, M.A.* 2000, IBVS 4956. (1af, 2c)
V347 Pav	*Potter, S.B., Cropper, M., Hakala, P.J.* 2000, MNRAS 315, 423. (1d, 2eg) Mapping of cyclotron emission regions from polarimetric observations.
VW Peg	*Achterberg, H., Frank, P., Husar, D.* 2000, IBVS 4916. (1af, 2cd)
EF Peg	*Littlefair, S.P. et al.* (4 authors) 2000, MNRAS 313, 117. (1bi, 2ag) J-band spectroscopy of CV.
II Peg	*Rodono, M. et al.* (5 authors) 2000, A&A 358, 624. (1a, 2e) Twenty-five years of wide-band photometry.
IM Peg	*Berdyugina, S.V. et al.* (4 authors) 2000, A&A 360, 272. (1ab, 2e) First surface images of RS CVn star.
IP Peg	*Morales-Rueda, L., Marsh, T.R., Billington, I.* 2000, MNRAS 313, 454. (1b, 2g) Spiral structure in dwarf nova. *Baptista, R., Harlaftis, E.T., Steeghs, D.* 2000, MNRAS 314, 727. (1ao, 2g) Eclipse maps of AD in outburst.
V357 Peg	*Yasarsoy, B., Sipahi, E., Keskin, V.* 2000, IBVS 4866. (1a) First photometric observations.
ϵ Per	*De Cat, P. et al.* (4 authors) 2000, A&A 359, 539. (1ab, 2ae) Detailed analysis of SB.
ϕ Per	*Stefl, S., Hummel, W., Rivinius, T.* 2000, A&A 358, 208. (1b, 2e) Circumstellar structure of Be shell star.
AW Per	*Evans, N.R., Vinko, J., Wahlgren, G.M.* 2000, AJ 120, 407. (1b, 2a) Companion possibly double.
V336 Per	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
V392 Per	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
Y Psc	*Qian, S.* 2000, AJ 119, 3064. (1f, 2c) Possible loss of mass and angular momentum.
V Sge	*Wood, J.H., Lockley, J.J.* 2000, MNRAS 313, 789. (1bu, 2aef) Orbital variations, colliding wind model.
WZ Sge	*Littlefair, S.P. et al.* (4 authors) 2000, MNRAS 313, 117. (1bi, 2ag) J-band spectroscopy of CV.
V1223 Sgr	*Beardmore, A.P., Osborne, J.P., Hellier, C.* 2000, MNRAS 315, 307. (1bx, 2bfg) Modelling of multi-temperature X-ray spectra.
V4374 Sgr	*Allen, W.H. et al.* (5 authors) 2000, Southern Stars 38, 223. (2b) Maculation.
V4444 Sgr	*Kawabata, K.S. et al.* (5 authors) 2000, ApJ 540, 429. (1bd) Did a circumstellar cloud exist prior to nova event?
V4633 Sgr	2000, IAU Circ. 7491. (1c) Fading Nova.
V4641 Sgr	2000, IAU Circ. 7440. (1a, 2a, 2b)
V4642 Sgr	2000, IAU Circ. 7489. (1c, 1v) No thermal emission from gas. 2000, IAU Circ. 7490. (1c) Strong coronal phase.
U Sco	*Hachisu, I., et al* (5 authors) 2000, ApJ 534, L189. (2bg, 5) WD with AD; distance determined.
VY Scl	*Martinez-Pias, I.G. et al.* (4 authors) 2000, ApJ 538, 315. (1b, 2c) A hierarchical triple system?

V463 Sct	2000, IAU Circ. 7382. (1bp, 3b)
(Nova Sct 2000)	2000, IAU Circ. 7415. (1v)
71 Tau	*Simon, T., Ayres, T.R.* 2000, ApJ 539, 325. (1bu) G-K type companion found in far UV, accounts for coronal activity.
GG Tau	*Silber, J. et al.* (4 authors) 2000, ApJ 536, L89. (1di) Imaging polarimetry of circumbinary disk.
HV Tau	*Monin, J.-L., Bouvier, J.* 2000, A&A 356, L75. (1i, 2g) Imaging of circumstellar disk in triple system.
V1080 Tau	*Simon, V. et al.* (4 authors) 2000, A&A 360, 637. (1a, 2ac) Orbital modulation in CB.
RR Tel	*Hartman, H., Johansson, S.* 2000, A&A 359, 627. (1bu, 2e) Fluorescence lines of symbiotic star.
TX Tri	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
WY Tri	*Liu, W., Hu, J.Y.* 2000, ApJS 128, 387. (1bo) Confirmation as CV.
SU UMa	*Rosenzweig, P. et al.* (5 authors) 2000, PASP 112, 632. (1a, 2g)
TY UMa	*Lister, T.A., McDermid, R.M., Hilditch, R.W.* 2000, MNRAS 317, 111. (1aefo, 2abc) Photometric study based on V and I CCD photometry.
XY UMa	*Yeates, C.M. et al.* (4 authors) 2000, IBVS 4943. (1f, 3d)
BC UMa	2000, IAU Circ. 7393. (1v) Outburst of SU UMa-type CV.
DW UMa	*Knigge, C.* (5 authors) 2000, ApJ 539, L49. (1aob, 2ae) Self-occulting AD model.
EV UMa	*Katajainen, S. et al.* (5 authors) 2000, A&A 357, 677. (1ad, 2ceg, 3d) CV in high accretion state.
HV UMa	*Csak, B. et al.* (4 authors) 2000, A&A 356, 603. (1ab, 2abc, 3b) A new early-type contact binary.
γ Vel	*De Marco, O. et al.* (7 authors) 2000, A&A 358, 187. (1biou, 2abe) WR stellar parameters and the photon loss mechanism.
γ^2 Vel	*Rauw, G. et al.* (4 authors) 2000, MNRAS 316, 129. (1bx, 2e) Hard X-ray emission from colliding wind interaction.
MR Vel	*Schmidtke, P.C. et al.* (5 authors) 2000, AJ 120, 935. (1ab, 2ag)
V382 Vel	2000, IAU Circ. 7384. (1v)
QQ Vul	*Schwope, A.D. et al.* (6 authors) 2000, MNRAS 313, 533. (1abd, 2bcg) Doppler tomography and polarimetry of CV.

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

HR 7798	*Griffin, R.F.* 2000, Observatory 120, 261. (1b, 2a) Orbital period 1124 d, e = 0.76.
HR 8861	*Adelman, S.J.* 2000, A&A 357, 548. (1a, 2e) uvby photometry of CP star.
HD 5980	*Niemela, V.S. Barbá, R.H., Morrell, N.I.* 1999, New Astron. Rev. 43, 475. (1b, 2e) Spectral-type change after outburst.
HD 6628	*Watson, L.C. et al.* (5 authors) 2000, MNRAS 315, 69. (1ab, 2ab) Chromospherically active single-line SB.
HD 21484	*Griffin, R.F.* 2000, Observatory 120, 137. (1b, 2a)
HD 61396	*Padmakar et al.* (4 authors) 2000, MNRAS 314, 733. (1aborx, 2ce) A probable new RS CVn-type binary.

HD 93403	*Rauw, G. et al.* (6 authors) 2000, A&A 360, 1003. (1b, 2ae) New orbital solution for massive binary.
HD 98800	*Koerner, D.W. et al* (5 authors) 2000, ApJ 533, L37. (1i, 2g) Suggest circumbinary disk.
HD 109648	*Jha, S. et al.* (5 authors) 2000, MNRAS 317, 375. (1b, 2ac) Triple system.
HD 146117	*Griffin, R.F.* 2000, Observatory 120, 188. (1b, 2a)
HD 155826	2000, IAU Circ. 7465. (1i) Probable close companion protostar.
HD 195850	*Carquillat, J.M., Ginestet, N.* 2000, A&AS 144, 317. (1b, 2ab) Orbital elements of SB.
HD 201193	*Carquillat, J.M., Ginestet, N.* 2000, A&AS 144, 317. (1b, 2ab) Orbital elements of SB.
HD 209458	*Saurabh Jha et. al* (7 authors) 2000, ApJ 540, L45. (1aor) Multicolor observations of planet transit, determination of albedos, density = 0.23 ($\pm$0.05) and radius = 1.55 ($\pm$0.10) Jupiter units.
HD 218179	*Gomez-Forrellad, J.M.* 2000, IBVS 4931. (1af, 2c) New long-period bright EB.
BD +62° 2167	*Gomez-Forrellad, J.M.* 2000, IBVS 4923. (1af, 2c, 3bd) New EB in the field of CW Cep.
BD +75° 348	*Zacs, L., Schmidt, M.R., Schuster, W.J.* 2000, A&A 358, 1022. (1b, 2ef) Carbon rich star: a binary?

X-ray sources with constellation names

Aql X-1 (V1333 Aql)	2000, IAU Circ. 7405. (7b) 2000, IAU Circ. 7423. (1a) New optical outburst. 2000, IAU Circ. 7429. (1a) Outburst did not develop. *Campana, S.* 2000, ApJ 534, L79. (5) Derivation of magnetic field strength. *Welsh, W.F., Robinson, E.L., Young, P.* 2000, AJ 120, 943. (1ai, 2ae)
Cen X-4	*Campana, S. et al.* (4 authors) 2000, A&A 358, 583. (1x, 2eg) BeppoSAX observation of NS system.
Cyg X-1	*Chen, L. et al.* (4 authors) 2000, Acta Ap. Sin. 20, 120. (1x) Power spectral density. *Gilfanov, M., Churazov, E., Revnivtsev, M.* 2000, MNRAS 316, 923. (1bx, 2g) Variability of reflected emission. *Pottschmidt, K. et al.* 2000, AG Abstr. Ser. 17, 33. (1x) RXTE long-term monitoring of BH candidate. *Pottschmidt, K. et al.* (6 authors) 2000, A&A 357, L17. (1x, 2e) Temporal evolution of X-ray lags in BH candidate.
Cyg X-2	*Campana, S.* 2000, ApJ 534, L79. (5) Derivation of magnetic field strength. *Kolb, U. et al.* (4 authors) 2000, MNRAS 317, 438. (2abg, 5) Evolutionary scenarios.
Cyg X-3	2000, IAU Circ. 7393. (1x) Quenched state. 2000, IAU Circ. 7405. (1r) Strong flare. *Predehl, P. et al.* (4 authors) 2000, A&A 357, L25. (1x) Geometrical distance to X-ray binary.

Her X-1	*Leahy, D.A.* 2000, MNRAS 315, 735. (1abx, 2e) Evidence for extended emission region from GINGA observations.
	Lutovinov, A.A., Grebenev, S.A. et al. (4 authors) 2000, Pis. AZh 26, 803. (1x, 2c)
	Scott, D.M., Leahy, D.A., Wilson, R.B. 2000, ApJ 539, 392. (1ax) Evidence for inner disk occultation by NS.
LMC X-1	*Wilms, J. et al.* 2000, AG Abstr. Ser. 17, 34. (1x) RXTE monitoring of BH candidate from 1997 to 1999.
LMC X-2	*Alcock, C. et al.* (26 authors) 2000, MNRAS 316, 729. (1ao, 2c) Periodic and non-periodic variations from analysis of MACHO CCD observations.
LMC X-3	2000, IAU Circ. 7424. (1x) rare Extended low/hard state of BH binary.
	2000, IAU Circ. 7425. (1x) Strong variability.
	Wilms, J. et al. 2000, AG Abstr. Ser. 17, 34. (1x) RXTE monitoring of BH candidate from 1997 to 1999.

Object names including RA and DEC

AX 0049.4-7323	2000, IAU Circ. 7442. (1x) Coherent pulsations from new source.
AX J0051.6-7311	2000, IAU Circ. 7428. (1x) New or Rosat source with Be counterpart in SMC.
	Yokogawa, J. et al. (4 authors) 2000, PASJ 52, L37. (1x) A Be/X-ray binary candidate in SMC.
AX 0057.4-7325	2000, IAU Circ. 7441. (1x) Pulsating new source SMC X-2.
XTE J0111.2-7317	*Coe, M.J., Haigh, N.J., Reig, P.* 2000, MNRAS 314, 290. (1abio, 3c) Identification of optical/IR counterpart of Be/X-ray binary in SN remnant.
	Yokogawa, J. et al. (6 authors) 2000, ApJ 539, 191. (1bx) 30.9497 sec period discovered in pulsar/Be X-ray binary in SMC.
2S 0114+650	*Hall, T.A., et al* (4 authors) 2000, ApJ 536, 450. (2cx) Slowest neutron rotator now known, EB, HMXB.
4U 0115+63	2000, IAU Circ. 7487. (1x) Outburst of Be/X-ray pulsar binary.
RX J0146.9+6121	*Reig, P. et al.* (6 authors) 2000, MNRAS 317, 205. (1abiox, 2e) Photometric study based on optical spectroscopic and IR photometric observations of HMXB.
PG 0232+035	*Benedict, G.F. et al.* (17 authors) 2000, AJ 119, 2382. (1e, 2bc)
X 0512-401	*Callanan, P.J. et al.* (4 authors) 2000, A&A 360, 559. (1u, 2e) UV detection of a LMXB in NGC 1851?
A 0535+26	*Negueruela, I. et al.* (4 authors) 2000, A&A 356, 1003. (1box, 2eg) Pulsations from Be/X-ray transient.
4U 0614+09	*van Straaten, S. et al.* (5 authors) 2000, ApJ 540, 104. (1x) Relations between timing features and colors.
EXO 0748-676	*Homan, J., van der Klis, M.* 2000, ApJ 539, 847. (1x) 695 Hz QPOs in LMXB.
RX J0806.3+1527	*Reinsch, K. et al.* (4 authors) 2000, AG Abstr. Ser. 17, 82. (1b) Peculiar magnetic CV.
GS 0834-43	*Israel, G.L.* (12 authors) 2000, MNRAS 314, 87. (1aiox, 2e) Discovery of optical counterpart, Hα emission and IR excess.

HS 0907+1902	*Gänsicke, B.T. et al.* (8 authors) 2000, A&A 356, L79. (1ab, 2aceg, 3bd) New eclipsing dwarf nova. *Thorstensen, J.R.* 2000, PASP 112, 1269. (1b, 2ab)
RX J0909.8+1849	*Kato, T. et al.* (9 authors) 2000, IBVS 4873. (1af, 2c)
HS 0922+1333	*Reimers, D., Hagen, H.-J.* 2000, A&A 358, L45. (1b, 2eg) Low accretion rate polar.
RX J0925.7-4758	*Matsumoto, K., Mennickent, R.E.* 2000, A&A 356, 579. (1bo, 2beg) Doppler tomography of emission lines.
CW 1045+525	*Tappert, C. et al.* (4 authors) 2000, AG Abstr. Ser. 17, 61. (1b) CV without outbursts.
PG 1114+187	*Hillwig, T.C., Honeycutt, R.K., Robertson, J.W.* 2000, AJ 120, 1113. (1ab, 2a) Post-common-envelope, pre-cataclysmic.
XTE J1118+480	2000, IAU Circ. 7389. (1x) New galactic source similar to Cyg X-1. 2000, IAU Circ. 7390. (3c, 1g, 1r) Counterpart in different bands. 2000, IAU Circ. 7392. (1b) X-ray nova in outburst. 2000, IAU Circ. 7394. (1a) 2000, IAU Circ. 7395. (1r) Emission from optically thick ejecta. 2000, IAU Circ. 7397. (1a, 3c) Orbital period. 2000, IAU Circ. 7401. (1u) First EUV spectrum of BH X-ray binary. 2000, IAU Circ. 7407. (1x) Proposed different orbital period. 2000, IAU Circ. 7412. (1a) Previous period confirmed. 2000, IAU Circ. 7418. (1a) 2000, IAU Circ. 7427. (1u) QPOs. *Dmitrienko, E.S.* 2000, AG Abstr. Ser. 17, 36. (1a) High-speed UBVRI photometry of X-ray transient. *Hynes, R.I. et al.* (6 authors) 2000, ApJ 539, L37. (1a) Multiwavelength observations of low-state minioutburst. *Revnivtsev, M., Sunyaev, R., Borozdin. K.* 2000, A&A 361, L37. (1x, 2e) Strong QPO in BH candidate. *Uemura, M. et al.* (10 authors) 2000, PASJ 52, L15. (1a, 3c) Optical counterpart.
RE J1255+266	*Wheatley, P.J., Burleigh, M.R., Watson, M.G.* 2000, MNRAS 317, 343. (1ax, 2e) Detection of X-ray emission from a WD system during short outburst in May 1994.
PSR B1257+12	*Wolszczn, I.M. et al.* (5 authors) 2000, ApJ 540, L41. (1r) Possible 25.3 day period pulsar planet.
1RXH J132519.8-430312 (in Cen A)	*Steinle, H., Dennerl, K., Englhauser, J.* 2000, A&A 357, L57. (1x) Observations of bright X-ray transient.
RX J1450.5+6403	*Vanmunster, T. et al.* (5 authors) 2000, IBVS 4940. (1a) May 2000 outburst.
XTE J1550-564	2000, IAU Circ. 7399. (1x) Renewed activity of BH candidate. 2000, IAU Circ. 7400. (1a, 1g) Outburst.
X 1624-490	*Balucinska-Church, M. et al.* (4 authors) 2000, A&A 360, 583. (1x, 2ceg) Study of a dipping LMXB.
4U 1630+47	*Deiters, S.W. et al.* (12 authors) 2000, ApJ 538, 307. (1x) QPO evolution study of 1998 outburst. *Tomsick, J.A., Kaarat, P.* 2000, ApJ 537, 448. (1x) Study of 1998 outburst.

GRO J1655-40	*Hannikainen, D.C. et al.* (5 authors) 2000, ApJ 540, 521. (1dr) Hybrid core-lobe model used to explain polarization. *Kuulkers, E. et al.* (10 authors) 2000, A&A 358, 993. (1x, 2eg) Turmoil on the AD of BH candidate. *Shahbaz, T. et al.* (6 authors) 2000, MNRAS 314, 747. (1ab, 2aeg) Irradiation of the secondary star in X-ray Nova Sco 1994. *Soria, R., Wu, K., Hunstead, R.W.* 2000, ApJ 539, 445. (1bo) Thin AD model.
OAO 1657-415	*Baykal, A.* 2000, MNRAS 313, 637. (1ax, 2ag) Short-term pulse frequency fluctuations of HMXB.
MXB 1659-29	2000, IAU Circ. 7485. (1x) X-ray oscillations in EB.
WD 1704+481	*Maxted, P.F.L. et al.* (4 authors) 2000, MNRAS 314, 334. (1b, 2ab) Derivation of orbital and system parameters of first known triple degenerate star.
1RXS J171824.2-402934	*Kaptein, R.G. et al.* (6 authors) 2000, A&A 358, L71. (1x, 2e) X-ray burster from LMXB.
1E 1724-3045	*Barret, D., et al* (6 authors) 2000, ApJ 533, 329. (1bx2g) Model for hard X-ray emission.
4U 1728-34	*Piraino, S., Santangelo, A., Kaaret, P.* 2000, A&A 360, L35. (1x, 2eg) Iron emission line and QPOs from X-ray burster.
KS 1731-260	*Barret, D. et al* (6 authors) 2000, ApJ 533, 329. (1bx2g) Model for hard X-ray emission.
SLX 1735-269	*Barret, D. et al* (6 authors) 2000, ApJ 533, 329. (1bx2g) Model for hard X-ray emission.
4U 1735-44	*Cornelisse, R. et al.* (5 authors) 2000, A&A 357, L21. (1x, 2eg) The longest X-ray burst ever observed?
GRS 1739-278	*Borozdin, K.N., Trudolyubov, S.P* 2000, ApJ 533, L131. (2bx) 5 Hz QPO.
GRO J1744-28	*Woods, P.M. et al.* (8 authors) 2000, ApJ 540, 1062. (1x) Analysis of pulsations before and after bursts.
EXO 1745-248	2000, IAU Circ. 7454. (1x) Reappearance of XR burster in Terzan 5. 2000, IAU Circ. 7482. (1x) Typical LMXB, no eclipse.
SAX J1747.0-2853	2000, IAU Circ. 7401. (1x) Weakly magnetized NS component.
SAX J1748.9-2021	*Verbunt, F. et al.* (4 authors) 2000, A&A 359, 960. (1ox, 3c) Follow-up observations of X-ray transient in NGC 6440.
PSR B1757-24	*Gaensler, B.M., Frail, D.A.* 2000, Nature 406, 158. A large age from the pulsar's proper motion; see also *News & Views* (Seiradakis, J.H.), p.138.
GRS 1758-258	*Lin, D. et al* (9 authors) 2000, ApJ 532, 548. (1bcgrx) Simultaneous 1997 observations.
SAX J1808.4-3658	Stella, L. et al. (5 authors) 2000, ApJ 537, L115. (1bx, 2g) Quiescent emission in transient 2.5 ms X-ray pulsar.
SAX J1810.8-2609	*Natalucci, L. et al.* (7 authors) 2000, ApJ 536, 891. (1x) Hard x-ray detection indicates expansion of NS in a LMXB during burst; distance of 5 kpc.
PSR J1811-1736	*Mignani, R.P.* 2000, A&A 358, L53. (1p, 3d) Search for optical counterpart of binary pulsar.
4U 1812-12	*Cocchi, M. et al.* (8 authors) 2000, A&A 357, 527. (1x, 2eg) Observations of X-ray bursts.

SAX J1819.3-2525	*in 't Zand, J.J.M. et al.* (10 authors) 2000, A&A 357, 520. (1x, 2eg) LMXB and fast transient.
4U 1820-30	*Campana, S.* 2000, ApJ 534, L79. (5) Derivation of magnetic field strength.
X 1822-371	*Parmar, A.N. et al.* (7 authors) 2000, A&A 356, 175. (1x, 2ceg) BeppoSAX observation of LMXB.
GRS 1826-238	*Barret, D. et al* (6 authors) 2000, ApJ 533, 329. (1bx2g) Model for hard X-ray emission.
PSR B1828-11	*Stairs, I.H., Lyne, A.G., Shemar, S.L.* 2000, Nature 406, 480. Evidence for free precession.
X1832-330	*Mukai, K., Smale, A.P* 2000, ApJ 533, 352. (1bx) New distance of 9.3 kpc.
GS 1843+00	*Piraino, S. et al.* (11 authors) 2000, A&A 357, 501. (1bx, 2eg) BeppoSAX observation of X-ray pulsar.
RX J1856.5-3754	*Schilling G.* 2000, Science 289, 1856. NS linked to celestial runaway (ζ Oph); work by Walter, F. and Matthews, L.M. (publication forthcoming; "News of the Week").
XTE J1859+226	2000, IAU Circ. 7388. (1a, 2a) Possible orbital period. 2000, IAU Circ. 7451. (1a) Quasi-periodic variability. 2000, IAU Circ. 7456. (1x) Higher than expected flux. 2000, IAU Circ. 7463. (1a) Declining brightness. 2000, IAU Circ. 7466. (1a, 2c) New brightening.
X1908+075	*Wen, L., Remillard, R.A., Bradt, H.V.* 2000, ApJ 532, 1119. (2cx) Suggest a high-mass companion.
RX J191059.6+285639	*Thorstensen, J.R., Haberl, F.* 2000, A&A 358, 600. (1abox, 2ac, 3bd) Newly-discovered CV.
RX J1914.4+2456	*Reinsch, K. et al.* (4 authors) 2000, AG Abstr. Ser. 17, 82. (1b) Peculiar magnetic CV.
GRS 1915+105	*Belloni, T., Migliari, S., Fender, R.P.* 2000, A&A 358, L29. (1x, 2eg) Mass accretion rate in X-ray transient. *Kaiser, C.R., Sunyaev, R., Spruit, H.C.* 2000, A&A 356, 975. (5) Internal shock model for microquasars. *Kotani, T. et al.* (7 authors) 2000, ApJ 539, 413. (1abx) Pile-up correction enables precise energy spectral analysis of superluminal jets. *Manchanda, R.K.* 2000, JA&A, 21, 39. (1x, 2g) BH candidate. *Marti, J. et al.* (4 authors) 2000, A&A 356, 943. (1bi, 2eg) Evidences of a HMXB-type system. *Ogley, R.N. et al.* (5 authors) 2000, MNRAS 317, 158. (1ar, 2e) Detection of BH X-ray binary at sub-millimeter wavelengths.
4U 1915-05	*Boirin, L. et al.* (5 authors) 2000, A&A 361, 121. (1x, 2e) QPOs in LMXB.
WD 1953-011	*Maxted, P.F.L. et al.* (4 authors) 2000, MNRAS 315, L41. (1b, 2a) Magnetic field structure from Hα spectra.
1WGA J1958.2+3232	*Uslenghi, M. et al.* (5 authors) 2000, A&A 359, 639. (1a, 2e, 3cd) A new IP.
XTE J2012+381	*Naik, S. et al.* (6 authors) 2000, JA&A 21, 29. (1x, 2g) Outbursts.
RX J2115-5840	*Ramsay, G. et al.* (5 authors) 2000, MNRAS 316, 225. (1dox, 2ag) Optical polarimetry and X-ray data of polar.

XTE J2123-058	*Zurita, C. et al.* (9 authors) 2000, MNRAS 316, 137. (1ao, 2ab) Photometric study and modelling.
X 2127+119	*Sidoli, L., Parmar, A.N., Oosterbroek, T.* 2000, A&A 360, 520. (1bx, 2eg) BeppoSAX spectroscopy of LMXB in NGC 7078.
RX J2157.5 +0855	*Tovmassian, G.H. et al.* (8 authors) 2000, ApJ 537, 927. (1abox) Identification and study of a new AM Her system.
4U 2206+54	2000, IAU Circ. 7446. (1x, 7b) Revised LC.
SAX J2239.3+6116	*in 't Zand, J.J.M. et al.* (7 authors) 2000, A&A 361, 85. (1ox, 2ce, 3cd) Identification of transient source as a Be/X-ray binary.
1E 2259+58.6	*Hulleman, F. et al.* (4 authors) 2000, A&A 358, 605. (1ao, 2g) Isolated NS or low-mass binary?

Galactic objects with other designations

CS 22873-139	*Spite, M. et al.* (7 authors) 2000, A&A 360, 1077. (1b, 2aef) Abundance ratios in metal-poor SB.
G29-38	*Vuille, F.* 2000, MNRAS 313, 170. (1ao, 2b) Evolution of temporal spectrum.
	Vuille, F. 2000, MNRAS 313, 179. (1ao, 2b) Analysis of phase spectrum.
	Vuille, F., Brassard, P. 2000, MNRAS 313, 185. (1ao, 2c, 5) Study of non-linear behavior of period spectrum.
GSC 1342.1261	*Carroll, D.D., Hintz, E.G.* 2000, IBVS 4928. (1af, 3bd) New EB in the field of QS Gem.
GSC 1887.1240	*Han, J.Y. et al.* (5 authors) 2000, IBVS 4908. (1af, 2c, 3bd) New EB.
GSC 3822.1056	*Biro, I.B.* 2000, IBVS 4929. (1a, 2c) New EB.
GSC 4741.1263	*Garrigos-Sanches, A. et al.* (5 authors) 2000, IBVS 4885. (1a, 2c, 3b) New EB.
GSC 4847.1513	*Hager, T., Guilbault, P.* 2000, IBVS 4930. (1af, 2c, 3b) New EB.
GSC 5178.1376	*Dvorak, S.W.* 2000, IBVS 4945. (1af, 2c, 3b) New W UMa EB.
GX 3+1	*Kuulkers, E., van der Klis, M.* 2000, A&A 356, L45. (1x, 2eg) Radius-expansion burst from LMXB.
GX 5-1	*Jonker, P.G. et al.* (4 authors) 2000, MNRAS 315, L57. (1aei, 2c, 3cd) IR emission from galactic Z source.
GX 339-4	*Corbel, S. et al.* (7 authors) 2000, A&A 359, 251. (1rx, 2eg) Coupling of X-ray and radio emission in BH candidate.
GX 340+0	*Jonker, P.G. et al.* (9 authors) 2000, ApJ 537, 374. (1x) Power spectral properties of Z-source.
IRS 13E	*Coker, R.F., Pittard, J.M.* 2000, A&A 361, L13. (5) X-ray binary model for a Galactic Center source.
LD 345	*Guilbault, P.R. et al.* (7 authors) 2000, IBVS 4926. (1af)
LSI +61°235	*Reig, P. et al.* (6 authors) 2000, MNRAS 317, 205. (1bix, 2e) Photometric study based on optical spectroscopic and IR photometric observations.
LSI +61°303	*Apparao, K.M.V.* 2000, A&A 356, 972. (2e) Modelling a Be binary.
	Liu, Q.Z. et al. (5 authors) 2000, A&A 359, 646 (1b, 2e) Long-term observations of Be/X-ray binary.
NSV 223	*Verrot, J.P., Van Cauteren, P.* 2000, IBVS 4910. (1af, 2c, 3b) New EB.

NSV 01754	*Garrigos-Sanches, A., Vidal-Sainz, J.* 2000, IBVS 4886. (1a, 2c, 3b) New EB.
TMR-1	*Petr, M.G.* 2000, AG Abstr. Ser. 17, 50. (1bi) VLT IR observations of possible planet of protobinary TMR-1.
USNO 1575.03003814	*Robb, R.M. et al.* (5 authors) 2000, IBVS 4914. (1af, 2c, 3bd) New EB.
WR 137	*Harries, T.J., Babler, B.L., Fox, G.K.* 2000, A&A 361, 273. (1d, 2e) A dust producing WR+O binary.
WR 146	*Dougherty, S.M., Williams, P.M., Pollacco, D.L.* 2000, MNRAS 316, 143. (1bor, 2e) Radio emission and colliding winds. *Setia Gunawan, D.Y.A. et al.* (4 authors) 2000, A&A 356, 676. (1r, 2e) Evidence for a third component.

Extragalactic variables, SN, X-ray sources

1RXH J132519.8-430312 (in Cen A)	*Steinle, H., Dennerl, K., Englhauser, J.* 2000, A&A 357, L57. (1x) Observations of bright X-ray transient.
HD 5980 (in SMC)	*Breysacher, J., Francois, P.* 2000, A&A 361, 231. (1b, 2e) RVs and spectroscopic variations.
HV 2543 (in LMC)	*Ostrov, P.G., Lapasset, E., Morrell, N.I.* 2000, A&A 356, 935. (1a, 2abc, 3d) Masses and radii of massive EB.
LMC X-1	*Wilms, J. et al.* 2000, AG Abstr. Ser. 17, 34. (1x) RXTE monitoring of BH candidate from 1997 to 1999.
LMC X-2	*Alcock, C. et al.* (26 authors) 2000, MNRAS 316, 729. (1ao, 2c) Periodic and non-periodic variations from analysis of MACHO CCD observations.
LMC X-3	2000, IAU Circ. 7424. (1x) rare Extended low/hard state of BH binary. 2000, IAU Circ. 7425. (1x) Strong variability. *Wilms, J. et al.* 2000, AG Abstr. Ser. 17, 34. (1x) RXTE monitoring of BH candidate from 1997 to 1999.
Nova in LMC	2000, IAU Circ. 7453. (1p, 3b) 2000, IAU Circ. 7457. (1b,1p) Fe II Nova. 2000, IAU Circ. 7458. (1a) 2000, IAU Circ. 7486. (1b) HST-STIS observations.
Novae in M31	2000, IAU Circ. 7477. (1a, 3b)
Nova in NGC 185	2000, IAU Circ. 7458. (1a, 3b)
Nova in NGC 3432	2000, IAU Circ. 7415. (1a, 3b) 2000, IAU Circ. 7417. (1b) 2000, IAU Circ. 7419. (1a) Pre-discovery magnitude.

General

Agapitou, V., Papaloizou, J.C.B. 2000, MNRAS 317, 273. Accretion disk - stellar magnetosphere interaction: field line inflation and the effect on the spin-down torque.

Akerlof, C. et al. (16 authors) 2000, AJ 119, 1901. ROTSE all-sky surveys for variable stars. I. Test fields. 368 new contact binaries, 95 other new EBs. (2b)

Amado, P.J., Doyle, J.G., Byrne, P.B. 2000, MNRAS 314, 489. Photometric modelling of starspots - II. The FORTRAN code SPOTPIC.

Armitage, P.J, Livio, M. 2000, ApJ 532, 540. BH formation via hypercritical accretion during common-envelope evolution.

Barman, T.S. et al. (4 authors) 2000, ApJ 537, 946. A grid of non-LTE model atmospheres for WDs in CVs.

Bate, M.R. 2000, MNRAS 314, 33. Predicting the properties of binary stellar systems: the evolution of accreting protobinary systems.

Beskin, V.S., Okamoto, I. 2000, MNRAS 313, 445. On the magnetohydrodynamic decollimation in compact objects.

Beskin, V.S., Rafikov, R.R. 2000, MNRAS 313, 433. On the particle acceleration near the light surface of radio pulsars.

Biermann, M., Duschl, W.J. 2000, AG Abstr. Ser. 17, 51. The structure of self-gravitating ADs.

Bisnovatyi-Kogan, G.S. 1999, OAP 12, 169. ADs around BHs: development of theory.

Bobinger, A. 2000, A&A 357, 1170. Genetic eclipse mapping and the advantage of Black Sheep.

Broderick, A., Prakish, M., Lattimer, J.M. 2000, ApJ 537, 351. The equation of state of NS matter in strong magnetic fields.

Bulik, T., Kluzniak, W., Zhang, W. 2000, A&A 361, 153. kHz QPOs, the marginally stable orbit, and the mass of the central sources - a maximum likelihood test.

Cherepashchuk, A.M. 1999, OAP 12, 175. BH X-ray binaries.

Cherepashchuk, A.M., Karetnikov, V.G. 1999, OAP 12, 180. On the evolution of WR stars in CBs.

Claret, A. 2000, A&A 359, 289. Studies on stellar rotation. II. Gravity-darkening: the effects of the input physics and differential rotation. New results for very low mass stars.

Coc, A. et al. (4 authors) 2000, A&A 357, 561. Influence of new reaction rates on ^{18}F production in novae.

Daigne, F., Mochkovitch, R. 2000, A&A 358, 1157. Gamma-ray bursts from internal shocks in a relativistic wind: a hydrodynamical study.

Dewi, J.D.M., Tauris, T.M. 2000, A&A 360, 1043. On the energy equation and efficiency parameter of the common envelope evolution.

Dommanget, J. 2000, Observatory 120, 202. The HIPPARCOS catalogue and the TYCHO catalogue: analysis of the results for the visual binary stars.

Dryomova, G.N., Svechnikov, M.A. 1999, OAP 12, 187. Statistical research in evolutionary genetic relationship of DMS-, DW-, KW- and KE-types of double stars.

Dryomova, G.N., Svechnikov, M.A. 2000, Kinematika i fizika nebesnykh tel 16, No. 2, 169. Estimating the ages of eclipsing variable DM-stars by Maeder and Meynet.

Fedorova, A.V., Bisikalo, D.V. et al. (6 authors) 2000, AZh 77, 357. Non-conservative evolution of CVs.

Fender, R.P., Hendry, M.A. 2000, MNRAS 317, 1. The radio luminosity of persistent X-ray binaries.

Font, J.A., Stergioulas, N., Kokkotas, K.D. 2000, MNRAS 313, 678. Non-linear hydrodynamical evolution of rotating relativistic stars: numerical methods and code tests.

Fukue, J. 2000, PASJ, 52, 613. Multi-stage drive of astrophysical jets.

Gänsicke, B.T. 2000, Rev. Mod. Astrophys. 13, 151. Evolution of WDs in CVs.

Gehrels, N. et al. (5 authors) 2000, Nature 404, 363. Discovery of a new population of high-energy X-ray sources in the Galaxy; see also *News & Views* (Greiner, I.), p. 344.

Ghosh, P. 2000, MNRAS 315, 89. The structure of BH magnetospheres – I. Schwarzschild BHs.

Glazunova, L.V, 1999, OAP 12, 253. Period changes in the group of Algol-type binary systems with asynchronous rotation of the main component.

Glebocki, R. 2000, Acta Astron. 50, 211. Orientation of the orbital planes of visual binary systems.

González, J.F., Lapasset, E. 2000, AJ 119, 2296. Radial velocities, binarity, and kinematic membership in the open cluster NGC 2516.

Greiner, J. 2000, Sterne und Weltraum 39, 613. Mikroquasare.

Griffin, R.F. 2000, Observatory 120, 195. Spectroscopic binary orbits from photoelectric radial velocities: a synopsis of papers 101-150.

Gu, Wei-Min, Lu, Ju-Fu 2000, ApJ 540, L33. Bimodal ADs: Shakura-Sunyaev disk-advection-dominated accretion flow transitions.

Hils, D., Bender, P.L. 2000, ApJ 537, 334. Gravitational radiation from helium cataclysmics.

Holzwarth, V., Schüssler, M. 2000, Astron. Nachr. 321, 175. Stability of magnetic flux tubes in CBs.

Huang, H.-Q., Zhou, D.-Q. 2000, Acta Ap. Sin. 20, 131. The effect of irradiation absorption on an ellipsoidal component of a CB.

Igumenshchev, I.V. 2000, MNRAS 314, 54. Unipolar outflows and global meridional circulations in rotating accretion flows.

Karakas, A.I., Tout, C.A., Lattanzio, J.C. 2000, MNRAS 316, 689. The eccentricities of the barium stars.

Kennedy, H.D. 1999, Southern Stars 38, 137. The long-term period behavior of contact binaries. II. Individual contact binaries.

Kennedy, H.D. 1999, Southern Stars 38, 169. The long-term period behavior of contact binaries. III. Individual contact binaries.

Kennedy, H.D. 2000, Southern Stars 38, 201. The long-term period behavior of contact binaries. IV. Companion of systems.

Keppens, R., Solanki, S.K., Charbonnel, C. 2000, A&A 359, 552. Spin and orbital angular momentum exchange in binary star systems. II. Ascending the giant branch: a new path to FK Comae stars.

Koen, C. 2000, MNRAS 316, 613. The analysis of indexed astronomical time series - VI. Covariances of amplitude ratios and phase differences estimated from multicolor photometry of a pulsating star.

Konenkov, D., Geppert, U. 2000, MNRAS 313, 66. The effect of the NS crust on the evolution of a core magnetic field.

Kreykenbohm, I. et al. (7 authors) 2000, AG Abstr. Ser. 17, 34. Cyclotron lines in accreting pulsars.

Krishan, V., Wiita, P.J., Ramadurai, S. 2000, A&A 356, 373. Effect of beam-plasma instabilities on AD flares.

Kunihito, I., Taniguchi, K. 2000, ApJ 537, 327. Gravitational waves from inspiraling compact binaries with magnetic dipole moments.

Kuznetsova, Yu.G., Pavlenko, E.P. et al. (4 authors) 1999, OAP 12, 197. Observations of typical, rare and unique phenomena in CBs with extreme mass ratios.

Lanza, A.F., Rodono, M., Rosner, R. 2000, MNRAS 314, 398. Dynamo action and the period gap in CVs.

Lanzafame, G., Maravigna, F., Belvedere, G. 1999, PASJ 52, 515. Spiral structure and shocks in ADs in CBs: the role of the stellar mass ratio.

Lasota, J.-P. 2000, A&A 360, 575. X-rays from quiescent low-mass X-ray binary transients.

Li, Li-Xin 2000, ApJ 540, L17. Extracting energy from a BH through the transition region.

Lipunova, G.V., Shakura, N.I. 2000, A&A 356, 363. New solution to viscous evolution of ADs in binary systems.

Lipunova, G.V., Shakura, N.I, 1999, OAP 12, 201. Time-dependent disk accretion in binary systems.

Lu, Y. et al. (4 authors) 2000, MNRAS 314, 453. A massive thick disk around a massive BH and its runaway instability.

Maceroni, C. 1999, New Astron. Rev. 43, 481. Angular-momentum loss and transfer in CBs on human time scale.

Madej, J., Rozanska, A. 2000, A&A 356, 654. X-ray irradiated model stellar atmospheres.

Makita, M., Miyawaki, K., Matsuda, T. 2000, MNRAS 316, 906. Two- and three-dimensional numerical simulations of ADs in a CB.

Manmoto, T., Kato, S. 2000, ApJ 538, 295. Transition from standard disk to advection-dominated accretion flow.

Manset, N., Bastien, P. 2000, AJ 120, 413. Numerical simulation of polarimetric variations of binary stars.

Marietta, E., Burrows, A., Fryxell, B. 2000, ApJ 128, 615. Type Ia SN explosions in binary systems: the impact on the secondary star and its consequences.

Melatos, A. 2000, MNRAS 313, 217. Radiative precession of an isolated NS.

Menou, K. et al. (4 authors) 2000, MNRAS 314, 498. Disk instability models for X-ray transients: evidence for evaporation and low α-viscosity?

Merloni, A., Fabian, A.C., Ross, R.R. 2000, MNRAS 313, 193. On the interpretation of the multicolor disk model for the BH candidates.

Meyer, F., Liu, B.F., Meyer-Hofmeister, E. 2000, A&A 361, 175. Evaporation: the change from accretion via a thin disk to a coronal flow.

Miller, M.C. 2000, ApJ 537, 342. Attenuation of beaming oscillations near NSs.

Murali, C., Arras, P., Wasserman, I. 2000, MNRAS 313, 87. Constraints on the mass and abundance of BHs in the Galactic halo: the high mass limit.

Murray, J.R. 2000, MNRAS 314, L1. The precession of eccentric disks in CBs.

Murray, J.R., Warner, B., Wickramasinghe, D.T. 2000, MNRAS 315, 707. Eccentric disks in binaries with intermediate mass ratios: superhumps in the VY Sculptoris stars.

Mushotsky, R. et al. (4 authors) 2000, Nature 404, 459. Resolving the extragalactic hard X-ray background; see also *News & Views* (Hasinger, G.), p. 443.

Nelemans, G. et al. (4 authors) 2000, A&A 360, 1011. Reconstructing the evolution of double helium WDs: envelope loss without spiral-in.

Nelson, R.P., Papaloizou, J.C.B. 2000, MNRAS 315, 570. Hydrodynamic simulations of the Bardeen-Petterson effect.

Neuhäuser, R. et al. (8 authors) 2000, AG Abstr. Ser. 17, 50. Direct imaging search for sub-stellar companions next to young nearby stars.

Ozernoy, L.M. et al. (4 authors) 2000, ApJ 537, L147. Signatures of exosolar planets in dust debris disks.

Papaloizou, J.C.B., Larwood, J.D. 2000, MNRAS 315, 823. On the orbital evolution and growth of protoplanets embedded in a gaseous disk.

Pereyra, N.A, Kallman, T.R, Blondin, J.M. 2000, ApJ 532, 563. Hydrodynamic models of line-driven AD winds.

Preston, G.W., Sneden, C.L. 2000, AJ 120, 1014. Blue metal-poor stars are mostly binaries.

Rasio, F.A., Pfahl, E.D, Rappaport, S. 2000, ApJ 532, L47. New scenario for formation of short-period binary pulsars in globular clusters.

Ribas, I. et al. (4 authors) 2000, MNRAS 313, 99. Chemical composition of EBs: a new approach to the helium-to-metal enrichment ratio.

Richards, M.T. 2000, Mercury 29, No. 4, 35. Evolution of Algol systems (popular review).

Ritter, H., Zhang, Z.-Y., Kolb, U. 2000, A&A 360, 969. Irradiation and mass transfer in low-mass compact binaries.

Rosswog, S. et al. (4 authors) 2000, A&A 360, 171. Merging NSs: asymmetric systems.

Rucinski, S.M. 2000, AJ 120, 319. W UMa systems in globular clusters.

Ruszkowski, M. 2000, MNRAS 315, 1. X-ray iron line variability for the model of an orbiting flare above a BH AD.

Saio, H., Jeffery, C.S. 2000, MNRAS 313, 671. The evolution of a rapidly accreting helium WD to become a low-luminosity helium star.

Sandquist, E.L., Taam, R.E, Burkert, A. 2000, ApJ 533, 984. On the formation of helium double degenerate stars and pre-CV's.

Sarna, M.J., Ergma, E., Gerškevitš-Antipova, J. 2000, MNRAS 316, 84. Cooling curves and initial models for low-mass WDs ($\leq 0.25 M_\odot$) with helium cores.

Scardia, M. et al. (4 authors) 2000, Astron. Nachr. 321, 255. Orbital elements of five close visual binary stars.

Schenker, K. 2000, AG Abstr. Ser. 17, 35. Early phases of high mass transfer rate during CV evolution.

Schilling, G. 2000, Science 289, 1448. NS implies relativity a drag; warped space-time with a twist ("News of the Week").

Schönberner, D., Driebe, T., Bloecker, T. 2000, A&A 356, 929. The evolution of helium WDs. III. On the ages of millisecond pulsar systems.

Scott, A.D. 2000, MNRAS 313, 775. Nova outbursts on rotating oblate WDs.

Shakhovskoy, N.M., Andronov, I.L. et al. (4 authors) 1999, OAP 12, 242. Blob parameters of accretion streams in magnetic CVs.

Shalybkov, D., Rüdiger, G. 2000, MNRAS 315, 762. Magnetic field dragging and vertical structure of thin ADs.

Söderhjelm, S. 2000, Astron. Nachr. 321, 165. Binary statistics from HIPPARCOS data – a progress report.

Soker, N. 2000, A&A 357, 557. Eccentric orbits of close companions to asymptotic giant branch stars.

Spruit, H.C., Haardt, F 2000, MNRAS 315, 751. The X-ray spectrum of a disk illuminated by ions.

Srinivasa Rao, M., Peraiah, A. 2000, A&AS 145, 525. Radiative transfer in the dusty, irradiated expanding atmospheres of CB components.

Stepinski, T.F., Black, D.C. 2000, A&A 356, 903. Statistics of low-mass companions to stars: implications for their origin.

Sutantyo, W., Li, X.-D. 2000, A&A 360, 633. Formation of binary millisecond pulsars with relatively high surface dipole magnetic fields.

Taranova, O.G. 2000, Pis. AZh 26, 472. IR photometry for variable stars of selected types in 1978-1999.

Tokovinin, A.A. 2000, A&A 360, 997. On the origin of binaries with twin components.

Van Bever, J., Vanbeveren, D. 2000, A&A 358, 462. Hard X-rays emitted by starbursts as predicted by population synthesis models including a realistic fraction of interacting binaries.

Wade, R.A., Harlow, J.J.B., Ciardullo, R. 2000, PASP 112, 614. Biases in expansion distances of novae from prolate geometry of shells.

Wardziński, G., Zdziarski, A. 2000, MNRAS 314, 183. Thermal synchrotron radiation and its comptonization in compact X-ray sources.

Wickramasinghe, D.T., Ferrario, L. 2000, PASP 112, 873. Magnetism in isolated and binary WDs.

Wiggins, P., Lai, D. 2000, ApJ 533, 984. Tidal interaction between fluid star and Kerr BH in a CB.

Yoshida, S., Eriguchi, Y. 2000, MNRAS 316, 917. Influence of r-mode instability on hypercritically accreting NSs.

Yoshida, S. et al. (4 authors) 2000, MNRAS 316, L1. A numerical study of the r-mode instability of rapidly rotating nascent NSs.

Zane, S., Turolla, R., Treves, A. 2000, ApJ 537, 387. Magnetized atmospheres around NSs accreting at low rates.

Zdunik, J.L. et al. (4 authors) 2000, A&A 356, 612. Innermost stable circular orbits around strange stars and kHz QPOs in LMXBs.

Zdunik, J.L. et al. (5 authors) 2000, A&A 359, 143. On the mass of moderately rotating strange stars in the MIT bag model and LMXBs.

Zhang, Y.-F. 2000, Chinese Astron. Ap., 24, 269. A nonlinear dynamical model of formation of binary stars from a nebula.

Collections of data

Agerer, F., Hubscher, J. 2000, IBVS 4912. (1f): OO Aql, ZZ Aur, AP Aur, CG Aur, HU Aur, V404 Aur, TU Boo, TY Boo, TZ Boo, VW Boo, i Boo, AK Cam, WW Cnc, AD Cnc, FF Cnc, BI CVn, BO CVn, AM CMi, WW Cep, EF Cep, EM Cep, GI Cep, SS Com, CC Com, TW CrB, V488 Cyg, V726 Cyg, V963 Cyg, V1023 Cyg, ET Del, Z Dra, AR Dra, AU Dra, AX Dra, BX Dra, UX Eri, FG Gem, V450 Her, V829 Her, V857 Her, EU Hya, FG Hya, SW Lac, TW Lac, UZ Leo, XY Leo, XZ Leo, AL Leo, FL Lyr, V404 Lyr, V406 Lyr, TV Mon, V453 Mon, V913 Oph, ET Ori, VW Peg, RV Per, IK Per, IZ Per, CC Ser, RW Tau, CU Tau, X Tri, TX UMa, UX UMa, UY UMa, ZZ UMa, AA UMa, AG Vir, AH Vir, AW Vir, AZ Vir, HW Vir, Z Vul, AX Vul.

Albayrak, B., Muyesseroglu, Z., Ozdemir, S. 2000, IBVS 4941. (1f): WY Cnc, BO CVn, CG Cyg, KR Cyg, WZ Cyg, AK Her, UV Psc.

Brandi, E. et al. (5 authors) 2000, A&AS 145, 197. (1d, 2e) Polarization of symbiotic systems: V748 Cen, Hen 1103, RX TrA, CL Sco, AR Pav, FN Sgr, Hen 1761, RR Tel, CD-43°14304, AG Peg.

Bruch, A. 2000, A&A 359, 998. (2e, 4) Studies of the flickering in CVs: HT Cas, V2051 Oph, IP Peg, UX UMa.

Dessart, L. et al. (6 authors) 2000, MNRAS 315, 407. (1biou, 2fg) Stellar parameters and chemical abundances of 4 WR stars: γ^2 Vel, HD 156385, HD 192103, WR 146.

Dhillon, V.S. et al. (6 authors) 2000, MNRAS 314, 826. (1bi, 2efg) Indication of AD origin and evidence of bright spots in the CVs: RW Tri, VY Scl, UU Aqr, V1315 Aql, DW UMa, BK Lyn, GP Com, YZ Cnc, LY Hya, T Leo, SW UMa, WZ Sge, G1764.1A, G1775, G1764.1B, G1154, G1763, G1229, G1806, G1436, G1748AB, G1402, G1866AB, G1473AB, G165AB.

Ford, E.C. et al. (7 authors) 2000, ApJ 537, 368. (1x) Simultaneous measurements of X-ray luminosity and kHz QPOs in 15 LMXBs.

Gill, C.D., O'Brien, T.J. 2000, MNRAS 314, 175. (1ab, 2aef) Imaging and spectroscopy of nova shells: FH Ser, V533 Her, BT Mon, DK Lac, V476 Cyg.

Haberl, F., Sasaki, M. 2000, A&A 359, 573. (3bc) New Be/X-ray binaries in the SMC.

Hamann, W.-R., Koesterke, L. 2000, A&A 360, 647. (1b, 2ef, 6) WN stars in the LMC: Parameters and atmospheric abundances.

Harries, T.J., Howarth, I.D. 2000, A&A 361, 139. (1d, 2ae) Spectropolarimetric orbits of symbiotic stars: five S-type systems.

Henden, A., Munari, U. 2000, A&AS 143, 343. (1a, 3d) Photometric comparison sequences for symbiotic stars.

Hui-Bon-Hoa, A. 2000, A&AS 144, 203. (1b, 2f) Several SBs among field A and Am stars.

Jonker, P.G., Méndez, M., van der Klis, M. 2000, ApJ 540, L29. (1x) New, third kHz QPO for 4U 1608-52, 4U 1728-34, 4U 1636-53.

Littlefair, S.P. et al. (4 authors) 2000, MNRAS 313, 117. (1bi, 2a) IR spectra of CVs: WZ Sge, VY Aqr, EF Peg, PX And, G1866AB, G1644C.

Malaroda, S. et al. (6 authors) 2000, A&AS 144, 1. (3a) SBs and symbiotics in catalogue of RVs.

Mochejska, B.J., Kaluzny, J. 2000, Acta Astron. 50, 105. (3b) Variable stars in the field of the globular cluster E3.

Nugis, T., Lamers, H.J.G.L.M. 2000, A&A 360, 227. (2e, 6) Mass-loss rates of WR stars.

Ogloza, W., Drozdz, M., Zola, S. 2000, IBVS 4877. (1f, 2c): ZZ Aur, AO Cam, BH CMi, XZ CMi, CC Com, V1061 Cyg, UX Her, DQ Her, XY Leo, SW Lyn, UZ Lyr, V Sge, W UMi, HW Vir, PG1336-18.

Olah, K., Kollath, Z., Strassmeier, K.G. 2000, A&A 356, 643. (2e, 6) Multiperiodic light variations of active binary stars.

Paredes, J.M. et al. (5 authors) 2000, A&A 357, 507. (1r, 2e) High-frequency emission of radio-loud X-ray binaries.

Pizzolato, N., Maggio, A.; Sciortino S. 2000, A&A 361, 614. (2e, 6) Many binaries among X-ray active late-type stars.

Pojmanski, G. 2000, Acta Astron. 50, 177. (3b) All Sky Automated Survey: catalog of about 3800 variable stars.

Pourbaix, D. 2000, A&AS 145, 215. (2ab) Masses and orbital parallaxes from resolved SBs.

Pourbaix, D., Jorissen, A. 2000, A&AS 145, 161. (1e) Ba, CH and Tc-poor S-type SBs from HIPPARCOS.

Ramsay, G. 2000, MNRAS 314, 403. (1x, 2bg) Determination of the mass of the accreting WD in 20 magnetic CVs: V1432 Aql, BY Cam, V834 Cen, AM Her, BL Hyi, V2301 Oph, CP Tuc, FO Aqr, XY Ari, V405 Aur, V709 Cas, BG CMi, TV Col, TX Col, EX Hya, AO Psc, V1223 Sgr, V1062 Tau, RX J1238-38, RX J1712-24.

Reid, I.N., Mahoney, S. 2000, MNRAS 316, 827. (1b, 2abe) Spectroscopic data, orbital and system parameters of 51 late-type M dwarfs in the Hyades cluster.

Ribas, I. et al. (4 authors) 2000, MNRAS 313, 99. (2f, 5, 6) Chemical composition of 50 EBs: BW Aqr, V539 Ara, β Aur, AD Boo, GZ CMa, EM Car, QX Car, YZ Cas, IT Cas, PV Cas, SZ Cen, WX Cep, CW Cep, RS Cha, Y Cyg, MY Cyg, V380 Cyg, V442 Cyg, V478 Cyg, V909 Cyg, V1143 Cyg, DI Her, AI Hya, HS Hya, KW Hya, χ^2 Hya, GG Lup, TZ Men, UX Men, U Oph, V451 Oph, EW Ori, V1031 Ori, EE Peg, IQ Per, ζ Phe, PV Pup, VV Pyx, V1647 Sgr, V3903 Sgr, V760 Sco, CD Tau, CV Vel, BH Vir, DM Vir, HV 2274 (LMC).

Richichi, A. et al. (5 authors) 2000, A&A 361, 594. (1ai, 3b) Several SBs detected by lunar occultations.

Rucinski, S.M., Lu, W., Mochnacki, S.W 2000, AJ 120, 1133. (1b, 2a) Radial velocities and spectroscopic elements for ten CBs: CN And, HV Aqr, AO Cam, YY CrB, RZ Dra, FU Dra, UX Eri, RT LMi, V753 Mon, OU Ser.

Šafář, J., Zejda, M. 2000, IBVS 4887. (1f): DO And, HS And, MO And, NSV14578 And, UU Aqr, V873 Aql, V1075 Aql, V1299 Aql, V1355 Aql, SU Boo, AR Boo, AB Cas, AE Cas, CV Cas, EP Cas, MS Cas, V357 Cas, V360 Cas, V702 Cas, NSV14647 Cas, AE Cyg, PV Cyg, V370 Cyg, V435 Cyg, V443 Cyg, V706 Cyg, V1048 Cyg, V1130 Cyg, V1321 Cyg, V1414 Cyg, V1723 Cyg, V1856 Cyg, V1870 Cyg, V1908 Cyg, XY Dra, V502 Her, V719 Her, BS Lac, EL Lac, EQ Lac, IP Lac, V344 Lac, DU Leo, AH Lyn, DU Lyr, ET Lyr, FL Lyr, PY Lyr, V401 Lyr, V839 Oph, V981 Oph, EF Ori, GU Ori, V648 Ori, U Peg, BX Peg, CE Peg, CU Peg, ER Peg, DK Per, PS Per, TY Tri, EU Vul, FF Vul, FM Vul, GI Vul, GP Vul, NO Vul.

Šafář, J., Zejda, M. 2000, IBVS 4888. (1f): GK And, EX Aqr, GK Aqr, LT Aql, V631 Aql, V770 Aql, V873 Aql, V919 Aql, V1045 Aql, V1075 Aql, V1299 Aql, FR Aur, HU Aur, LV Aur, V379 Aur, TU Boo, TY Boo, AR Boo, RY Cnc, EH Cnc, AP CMi, CV Cas, GH Cas, MM Cas, MS Cas, IM Cep, LL Cep, V357 Cep, V358 Cep, CC Com, CN Com, GM Cyg, PW Cyg, V370 Cyg, V443 Cyg, V500 Cyg, V680 Cyg, V706 Cyg, V963 Cyg, V955 Cyg, V1048 Cyg, V1130 Cyg, V1321 Cyg, V1414 Cyg, V1723 Cyg, V1787 Cyg, V1870 Cyg, V1908 Cyg, EQ Del, WX Dra, XY Dra, AR Dra, CM Dra, GM Gem, HR Gem, KV Gem, V502 Her, V643 Her, V719 Her, V732 Her, AG Lac, EL Lac, EX Lac, IP Lac, UX Leo, VZ Leo, CE Leo, SX Lyn, AH Lyn, RV Lyr, ET Lyr, GZ Lyr, V401 Lyr, UU Mon, AY Mon, NN Mon, V396 Mon, V752 Oph, GU Ori, OS Ori, V645 Ori, BX Peg, CE Peg, PS Per, QU Per, DK Sge, DK Sct, BI Ser, CX Ser, AC Tau, V407 Tau, BT Vul, DN Vul, FF Vul, FM Vul, GI Vul, NO Vul.

Sasaki, M., Haberl, F., Pietsch, W. 2000, A&AS 143, 391. (1x, 3abd) X-ray binaries in ROSAT catalogue of X-ray sources in the LMC region.

Schönfelder, V. et al. (26 authors) 2000, A&AS 143, 145. (3a) Many novae and X-ray binaries in the first COMPTEL source catalogue.

Sunyaev, R., Revnivtsev, M. 2000, A&A 358, 617. (1x, 2eg) Fourier power spectra as a way to distinguish NS from BH binaries.

Szkody, P. et al. (7 authors) 2000, ApJ 540, 983. (1abo) The effects of superoutbursts on tremendous outburst amplitude dwarf novae (TOADs).

Van Cauteren, P., Wils, P. 2000, IBVS 4872. (1f): UW Boo, Z Dra, VX Lac, UU Lyn, IP Peg, XZ UMa.

Van Eck, S., Jorissen, A. 2000, A&A 360, 196. (1ab, 6) Binarity among the Henize sample of S stars.

Van Eck, S. et al. (7 authors) 2000, A&AS 145, 51. (1abio, 2a) SBs in Henize sample of S stars.

Verbunt, F., Johnston, H.M. 2000, A&A 358, 910. (1x, 2e, 3b) X-ray sources in the globular clusters ω Cen, NGC 6397, NGC 6752, Liller 1.

Wichmann, R. et al. (9 authors) 2000, A&A 359, 181. (1ab, 6) Several SBs among Li-rich stars in Taurus-Auriga.

Williams, P.M., van der Hucht, K.A. 2000, MNRAS 314, 23. (1b, 2ef) Search for companions in WR stars : WR 69, WR 104, WR 81, WR 92.

Wolf, M. 2000, A&A 356, 134. (1a, 2cd) Apsidal motion in eccentric EBs: YY Sgr, V523 Sgr, V1647 Sgr, V2283 Sgr, V760 Sco.

Proceedings of Conferences, Symposia, and Monographs

Accretion Processes in Astrophysical Environments
Niarchos, P.G. (ed.)
Proceedings of a workshop held in Athens, Greece, January 15, 1999.
Department of Astrophysics, University of Athens.

Eclipsing Binary Stars - Modelling and Analysis
Kallrath, J., Milone, E.F. (eds.)
Springer, 1999.
(Monograph on current LC analysis techniques.)

Symposium in Honour of Prof. Brian Warner
P.A. Charles, P.A., King, A., O'Donoghue, D. (eds.)
New Astron. Rev. 44, Nos. 1-2, 2000.
Proceedings of a symposium held at Oxford, U.K., April 12-16, 1999.
(All papers are concerned with aspects of CVs; oral papers are published, but posters are listed by title and authorship only.)

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