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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), 1998, Astroprint Publishing Company, Ukraine

Individual Stars

χ And	*Griffin, R.F.* 1998, Observatory 118, 158. (1b, 2a) Binary orbit from photoelectric RVs.
QR And (RX J0019.8+2156)	*Quaintrell, H., Fender, R.P.* 1998, A&A 335, L17. (1abi, 2eg) IR observations of X-ray binary. *Tomov, T. et al.* (5 authors) 1998, A&A 333, L67. (1bo, 2aeg) Jets from X-ray binary.
WW And	*Zola, S.* 1996, OAP 9, 61. (2ab)
CN And	*Samec, R.G. et al.* (4 authors) 1998, IBVS 4616. (1af, 2c, 3d)
KX And	*Berdyugin, A.V. et al.* (3 authors) 1998, Pis. AZh 24, 367. (1ad, 2a) *Tarasov, A.E. et al.* (3 authors) 1998, Pis. AZh 24, 375. (1b, 2a)
UU Aqr	*Kaitchuck, R.H. et al.* (4 authors) 1998, ApJ 499, 444. (1b)
AE Aqr	*Welsh, W.F., Horne, K., Gomer, R.* 1998, MNRAS 298, 285. (1c, 2eg) Doppler tomograms.
FO Aqr	*Beardmore, A.P. et al.* (5 authors) 1998, MNRAS 297, 337. (1x, 2cg) Changing X-ray light curve of IP. *Patterson, J. et al.* (9 authors) 1998, PASP 110, 415. (1a, 2a) Orbit and spin periods.
OO Aql	*Djuraševič, G., Erkapič, S.*1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 70. (1a, 2g)
V1343 Aql (SS 433)	*Goranskij, V.P.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 103. (1a) EB with relativistic jets. *Goranskii, V.P. et al.* (3 authors) 1998, AZh 75, 240. (1ab, 2c) *Goranskii, V.P. et al.* (3 authors) 1998, AZh 75, 383. (1a, 2c)
V1432 Aql	*Mukai. K.* 1998, ApJ 498, 394. (1x, 2cg, 5) Is V1432 Aql an IP with a spin period of 4040 sec?.
V801 Ara	*Augusteijn, T. et al.* (5 authors) 1998, A&A 332, 561. (1ab, 2eg) Optical counterpart of LMXB.
TT Ari	*Suleimanov, V.F. et al.* (3 authors) 1996, OAP 9, 57. (1a, 2g)
UX Ari	*Massi, M. et al.* (4 authors) 1998, A&A 332, 149. (1r, 2e) Activity cycles. *Torricelli-Ciamponi, G. et al.* (4 authors) 1998, A&A 333, 970. (1br, 2e) Radio flares.
XY Ari	*Ramsay, G. et al.* (4 authors) 1998, MNRAS 297, 1269. (1x, 2b) WD mass estimation.
UV Aur	*Chiranova, L.L.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 37. (1a). Periodic and aperiodic variability of symbiotic star.
UY Aur	*Close, L.M. et al.* (10 authors) 1998, ApJ 499, 883. (1a, 2e) Adaptive optics imaging of T Tauri binary + circumbinary disk. *Duvert, G. et al.* (7 authors) 1998, A&A 332, 867. (1r) Disk around T Tau binary.
BF Aur	*Demircan, O. et al.* (8 authors) 1997, Rev. Mex. Astron. Astrofis. 33, 131. (1af, 2abc) *Djuraševič, G. et al.* (7 authors) 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 58. (1a, 2g) *Silvotti, R., et al.* (6 authors) 1998, Baltic Astronomy 7, 293. (1uc, 1oa)

IU Aur	*Harries, T.J., Hilditch, R.W., Hill, G.* 1998, MNRAS 295, 386. (1ab, 2ab) Triple system.
IZ Aur	*Diethelm, R.* 1998, IBVS 4586. (1af, 2c)
44i Boo	*Rovithis-Livaniou, H, Rovithis, P.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 167. (1af, 2c).
AR Boo	*Wolf, M. et al.* (5 authors) 1998, IBVS 4601. (1af, 2c)
RR Cae	*Bruch, A., Diaz, M.P.* 1998, AJ 116, 908. (1ab, 2ab) Pre-CV.
SZ Cam	*Harries, T.J., Hilditch, R.W., Hill, G.* 1998, MNRAS 295, 386. (1ab, 2ab) Triple system.
	Lorenz, R., Mayer, P., Drechsel, H. 1998, A&A 332, 909. (1ab, 2abc) Early-type EB in multiple system.
BY Cam	*Mason, P.A., et al.* (6 authors) 1998, MNRAS 295, 511. (1ax, 2c) Pole switching in magnetic CV.
	Done, C., Magdziarz, P. 1998, MNRAS 298, 737. (1x, 2fg) Complex absorption and reflection in spectra.
CI Cam	1998, IAU Circ. 6855. (3b)
(XTE J0421+560)	1998, IAU Circ. 6857. (1b) Possible optical counterpart.
	1998, IAU Circ. 6862. (3c) Confirmed optical counterpart.
	1998, IAU Circ. 6865. (1a, 1b) Unusual symbiotic system.
	1998, IAU Circ. 6868. (1x) Fading source.
	1998, IAU Circ. 6871. (1a) Faded source.
	1998, IAU Circ. 6872. (1r) Relativistic jets observed.
	1998, IAU Circ. 6873. (1x)
AK Cnc	*Arenas, J., Mennickent, R.E.* 1998, A&A 337, 472. (1b, 2abc) Spectroscopic orbit of CV.
EG Cnc	*Matsumoto, K. et al.* (4 authors) 1998, PASJ 50, 405. (1a) Huruhata's variable, a WZ Sge-type dwarf nova.
	Matsumoto, K. et al. (4 authors) 1998, IBVS 4613. (1f, 2c)
AM CVn	See **General**, *Semionovas*
	Solheim, J.-E. et al. (28 authors) 1998, A&A 332, 939. (1a, 2eg) Whole earth monitoring of CV.
ω CMa	*Harmanec, P.* 1998, A&A 334, 558. (2ce) A Be binary?
Z CMa	*Fisher, O., Stecklum, B., Leinert, Ch.* 1998, A&A 334, 969. (1d, 2eg) Polarimetry of PMS binary.
RT CMa	*Kiyota, S.* 1998, IBVS 4608. (1af, 2c)
AK CMi	*Samec, R.G. et al.* (6 authors) 1998, AJ 116, 895. (1a, 2ac)
AT Cap	*Innis, J.L., Coates, D.W., Thompson, K.* 1998, IBVS 4569. (1b)
η Car	*Livio, M., Pringle, J.E.* 1998, MNRAS 295, L59. (2a) Stability of triple system.
	Pittard, J.M. et al. (4 authors) 1998, MNRAS 299, L5. (2ab) Simulations of the X-ray emission.
OY Car	*Djuraševič, G., Erkapič, S.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 76. (1a, 2g)
RZ Cas	*Oshima, O. et al.* (6 authors) 1998, IBVS 4581. (1a) δ Scuti oscillations in EB.
	Varricatt, W.P, Ashok, N.H., Chandrasekhar, T. 1998, AJ 116, 1447. (1ai, 2ace)

GX Cas	*Nogami, D., Kato, T., Masuda, S.* 1998, PASJ 50, 411. (1a) A new SU UMa star.
V592 Cas	*Huber, M.E. et al.* (4 authors) 1998, PASP 110, 794. (1aboi, 2ab)
V635 Cas	*Unger, S.J. et al.* (6 authors) 1998, A&A 336, 960. (1b, 2e) Disk-loss event in HMXB.
α Cen C (Proxima Cen)	*Golimowski, D.A., Schroeder, D.J.* 1998, AJ 116, 440. (1oi) No evidence for companion in HST WFPC2 images.
V803 Cen	See **General**, *Semionovas*
V810 Cen	*Kienzle, F. et al.* (4 authors) 1998, A&A 337, 779. (1a, 2e) Pulsating modes of supergiant binary.
V841 Cen	*Innis, J.L., Coates, D.W., Thompson, K.* 1998, IBVS 4570. (1ab)
α Cep	*Simon, T., Ayres, T.R.* 1998, ApJ 500, L37.(1u) ORFEUS FUV shows solar-type activity of A7 star.
VV Cep	*Bastian, U., Pollmann, E.* 1998, SuW 37, 557. (1b) Hα measurements before and during eclipse.
VW Cep	*Niarchos, P.G. et al.* (4 authors) 1998, N. Copernicus Obs. Brno, Proc. 20th Stellar Conf., Brno 1997, p. 89. (1f, 2c). Spot modeling of contact system.
	Pustylnik, I. 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 161. (1a). Nature of asymmetry of LC.
	Rovithis-Livaniou, H. et al. (4 authors) 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 188. (1a, 2c).
WZ Cep	*Djuraševič, G. et al.* (4 authors) 1998, A&AS 131, 17. (1a, 2ace) Activity of EB.
	Djuraševič, G. et al. (4 authors) 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 64. (1a, 2g).
CQ Cep	*Kartasheva, T.A., Svechnikov, M.A.* 1998, Bull. Special Astrophys. Observ. 44, 105. (1b, 2d)
EG Cep	*Rovithis-Livaniou, H. et al.* (5 authors) 1998, IBVS 4563. (1f, 2c)
LZ Cep	*Harries, T.J., Hilditch, R.W., Hill, G.* 1998, MNRAS 295, 386. (1ab, 2ab)
AL Com	*Szkody, P. et al.* (6 authors) 1998, ApJ 497, 928. Observations one year after outburst. (1bu)
TU CrA	1998, IAU Circ. 6849. (1v)
TY CrA	*Casey, B.W. et al.* (5 authors) 1998, AJ 115, 1617. (1ab, 2abc)
	Vaz, L.P.R. et al. (6 authors) 1998, A&AS 130, 245. (1a, 2e) Non-eclipse variability of PMS EB.
α CrB	*Schmitt, J.H.M.M.* 1998, A&A 333, 199. (1x, 2abcd) Discovery of apsidal motion.
T CrB	*Bruch, A., Zamanov, R.A.* 1998, AG Abstr. Ser. 14, 125. (1ao, 2g)
	Belczynski, K., Mikolajewska, J. 1998, MNRAS 296, 77. (1a, 2acg) New binary parameters.
	Petrík, K. et al. (5 authors) 1996, OAP 9, 41. (1a)
W Cru	*Dominis, D., Pavlovski, K., Schneider, H.* 1998, AG Abstr. Ser. 14, 107. (2abg)
SU Cyg	*Wahlgren, G.M., Evans, N.R.* 1998, A&A 332, L33. (1b, 2f, 3b) A HgMn companion to Cepheid star.
WW Cyg	*Buckner, M., Nellermoe, B., Mutel, R.* 1998, IBVS 4559. (1af, 2c)

CG Cyg	*Heckert, P.A.* 1998, IBVS 4627. (1a, 2a)
CH Cyg	*Ezuka, H., Ishida, M., Makino, F.* 1998, ApJ 499, 388. (1bx) Contains an accreting WD. *Iijima, T.* 1998, MNRAS 297, 77. (1b, 2ae) Eclipsing phenomena. *Kotnik-Karuza, D., Jurdana-Sepic, R.* 1998, A&AS 131, 229. (1b, 2e) Symbiotic star at quiescent phase. *Mikkola, S., Tanikawa, K.* 1998, AJ 116, 444. (2a) Triple model with Kozai resonance?
CY Cyg	1998, IAU Circ. 6967. (1a, 1b) New burst. 1998, IAU Circ. 6968. (1r) Radio outburst. 1998, IAU Circ. 6970. (1v, 1r) Radio outburst.
EM Cyg	*Andronov, I.L., Chinarova, L.L.* 1996, OAP 9, 9. (2c)
V373 Cyg	*Lyubimkov, L.S. et al* (4 authors) 1998, AZh 75, 355. (2abf)
V380 Cyg	*Popper, D.M., Guinan, E.F.* 1998, PASP 110, 572. (1bc, 2a) Secondary star's orbit determined.
V687 Cyg	*Halevin, A.V.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 120. (1af, 2c).
V1147 Cyg	*Bloomer, R. Et al.* (5 authors) 1998, IBVS 4568. (1af, 2c, 3d)
V1974 Cyg	*Balman, S., Krautter, J., Ögelman, H.* 1998, ApJ 499, 395. (1bx) Spectral evolution. *Chochol, D., Pribulla, T.* 1996, OAP 9, 24. (2be)
46 Dra	*Adelman, S.J., Ryabchikova, T.A., Davydova, E.S.* 1998, MNRAS 297, 1. (1b, 2acef) Triple system.
AG Dra	*Friedjung, M. et al.* (4 authors) 1998, A&A 335, 545. (1a, 2eg) Variability of CV in quiescence. *Petrík, K. et al.* (5 authors) 1998, IBVS 4588. (1a) Outburst of symbiotic star. *Tomova, M., Tomov, N.* 1998, IBVS 4561. (1a) Active phase of symbiotic star.
AU Dra	*Blättler, E.* 1998, IBVS 4587. (1af, 2c) *Šarounová, L., Wolf, M., Borovička, J.* 1998, IBVS 4605. (1af, 2c, 3d)
CM Dra	1998, IAU Circ. 6864. (1a) Discovery of planet. 1998, IAU Circ. 6875. (1a) No evidence of planet.
CQ Dra	*Petrik, K. et al.* (5 authors) 1996, OAP 9, 41. (1a)
CX Dra	*Koubský, P., Richards, M.T., Šimon, V.* 1998, N. Copernicus Obs. Brno, Proc. 20th Stellar Conf., Brno 1997, p. 64. (1b, 2c). Circumstellar matter in interacting EBs.
BL Eri	*Molík, P.* 1998, IBVS 4577. (1f, 2c)
U Gem	*Borisov, N.V., Neustroev, V.V.* 1996, OAP 9, 22. (2g) *Neustroev, V.V., Borisov, N.V.* 1998, A&A 336, L73. (1b, 2g, 5) Modeling of dwarf nova prototype. *Sion, E.M. et al.* (7 authors) 1998, ApJ 496, 449. (1abu) Anomalous cooling of WD after outburst.
KQ Gem	*Hilditch, R.W., Bell, S.A., Hill, G., Harries, T.J.* 1998, MNRAS 296, 100. (1ab, 2abc) LC analysis.
OU Gem	*Innis, J.L., Coates, D.W., Thompson, K.* 1998, IBVS 4569. (1b)

PQ Gem	*Cash, J.L., Howell, S.B., Rosen, S.* 1998, ApJ 500, L21. (1bu) ORFEUS FUV observations show presence of hot extended AD. *Marar, T.M.K., et al.* (40 authors) 1998, Baltic Astronomy 7, 287. (1a) WET observations of 1996; 13.9 min spin period of WD and 14.5 min orbital side-band.
RZ Gru	*Tappert, C., Hanuschik, R.W., Wargau, W.F.* 1998, AG Abstr. Ser. 14, 126. (1b, 2c) Time-resolved Hα spectra and tentative orbital period of novalike system.
AC Her	*Van Winckel, H. et al.* (6 authors) 1998, A&A 336, L17. (1bio, 2aef) Dust-disk in RV Tau star.
AM Her	*Andronov, I.L. et al.* (8 authors) 1996, OAP 9, 14. (1f) *de Martino, D. et al.* (10 authors) 1998, A&A 333, L31. (1x, 2eg) Lowest state of X-ray flux.
V412 Her	*Hilditch, R.W., Bell, S.A., Hill, G., Harries, T.J.* 1998, MNRAS 296, 100. (1a, 2ac) LC analysis.
V592 Her	1998, IAU Circ. 7002. (1v) Outburst. 1998, IAU Circ. 7007. (1v) Refined position.
V795 Her	*Rosen, S.R. et al.* (5 authors) 1998, MNRAS 299, 305. (1bu, 2eg) *HST* UV spectroscopy.
RW Hya	*Dumm, T. et al.* (7 authors) 1998, AG Abstr. Ser. 14, 34. (2g, 5)
EX Hya	*Allan, A., Hellier, C., Beardmore, A.* 1998, MNRAS 295, 167. (1ax, 2g) Spin-resolved spectroscopy.
BL Hyi	*Matt, G. et al.* (11 authors) 1998, A&A 334, 857. (1x, 2eg) X-ray emission of CV.
SS Lac	*Tomasella, L., Munari, U.* 1998, A&A 335, 561. (1b, 2abceg) Ex-EB in the open cluster NGC 7209.
AR Lac	*Griffiths, N.W., Jordan, C.* 1998, ApJ 497, 883. (1bux, 2e) Transition region, corona modeled. *Lanza, A.F. et al.* (5 authors) 1998, A&A 332, 541. (1a, 2ce) Modeling the LC of RS CVn star. *Marino, G. et al.* (4 authors) 1998, IBVS 4599. (1b, 2ac)
UV Leo	*Snyder, L.F.* 1998, IBVS 4624. (1f, 2c)
T LMi	*Buckner, M., Nellermoe, B., Mutel, R.* 1998, IBVS 4559. (1af, 2c)
BR Lup	*Mennickent, R.E., Sterken, C.* 1998, PASP 110, 1032. (1ab, 2ab)
β Lyr	*Brelstaff, T., Markham, T.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 34. (1a). 283-day variations. *Hoffmann, J.L., Nordsieck, K.H., Fox, G.K.* 1998, AJ 115, 1576. (1cd, 2e) Bipolar flow.
MV Lyr	*Pavlenko, E.P.* 1996, OAP 9, 38. (1a, 2c)
V419 Lyr	*Nogami, D., Kato, T., Masuda, S.* 1998, PASJ 50, 411. (1a) A new SU UMa star.
BT Mon	*Smith, D.A., Dhillon, V.S., Marsh, T.R.* 1998, MNRAS 296, 465. (1c, 2abc) Doppler tomography.
BX Mon	*Dumm, T. et al.* (7 authors) 1998, A&A 336, 637. (1biou, 2abe) Spectroscopy of symbiotic star.
PZ Mon	*Saar, S.H.* 1998, IBVS 4580. (1c) RS CVn system?
V694 Mon	*Mikolajewski, M. et al.* (6 authors) 1998, IBVS 4598. (1ab) Active phase of symbiotic star?

Nova Mus 1991 (GS 1124-68)	*Zycki, P.T., Done, C., Smith, D.A.* 1998, ApJ 496, L25. (1bx) X-ray reflection in AD.
V502 Oph	*Rovithis, P., Rovithis-Livaniou, H, Suran, M.D.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 184. (1a, 2g).
V566 Oph	*Cnota, R.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 44. (1f, 2c).
V2116 Oph	*Charkrabarty, D., van der Kerkwijk, M.H., Larkin, J.E.* 1998, ApJ 497, L39.
(GX 1+4)	(1bg) Strong wind alternative to accreting Roche lobe overflow. *Deutsch, E.W., Margon, B., Bland-Hawthorn, J.* 1998, PASP 110, 912. (1a) Narrow-band photometry.
V2134 Oph (X1658-298)	*Wachter, S., Smale, A.P.* 1998, ApJ 496, L21. (1aiox) Optical properties unique among X-ray transients.
Nova Oph 98	1998, IAU Circ. 6941. (3b) 1998, IAU Circ. 6943. (1a, 1b) 1998, IAU Circ. 6945. (1v) 1998, IAU Circ. 6955. (1a) 1998, IAU Circ. 6963. (1a) 1998, IAU Circ. 6976. (1a)
GM Ori	*Shevchenko, V.S. et al.* (4 authors) 1998, Pis. AZh 24, 614. (1a, 2ab)
V1016 Ori	*Vitrichenko, E.A. et al.* (3 authors) 1998, Pis. AZh 24, 352. (1b, 2abe)
V1046 Ori	*Bolton, C.T. et al.* (5 authors) 1998, A&A 337, 183. (1ab, 2abce) SB with Be/He-strong primary.
V1309 Ori	*De Martino, D. et al.* (11 authors) 1998, A&A 332, 904. (1x, 2eg) BeppoSax observations of polar.
AR Pav	*Djuraševič, G. et al.* (5 authors) 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var.Stars, Brno 1997, p. 82. (1a, 2g)
U Peg	*Djuraševič, G., Rovithis-Livaniou, H., Rovithis, P.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 88. (1a, 2g)
AG Peg	*Tomov, N, Tomova, M.T.* 1998, IBVS 4574. (1a) *Tomov, N.A., Tomova, M.T., Railkova, D.V.* 1998, A&AS 129, 479. (1b, 2e) Visual line spectrum of symbiotic star.
II Peg	*Berdyugina, S.V. et al.* (5 authors) 1998, A&A 334, 863. (1b, 2abefg) Model of active RS CVn binary. *Griffiths, N.W., Jordan, C.* 1998, ApJ 497, 883. (1bux, 2e) Transition region, corona modeled.
IP Peg	*Armitage, P.J., Murray, J.R.* 1998, MNRAS 297, L81. Simulation of spiral structure in AD during outburst. *Steeghs, D., Harlaftis, E.T., Horne, K.* 1998, MNRAS 296, 463. (7b) Erratum of Figures in MNRAS 290, L28. *Wolf, S. et al.* (5 authors) 1998, A&A 332, 984. (1bc, 2eg) Tomography of CV.
CV in Peg	1998, IAU Circ. 6982. (1a, 3b)
12 Per	*Barlow, D.J., Scarfe, C.D., Fekel, F.C.* 1998, AJ 115, 2555. (1bc, 2ab)
o Per	*Stickland, D., Lloyd, C.* 1998, Observatory 118, 138. (1b, 2a) Spectroscopic orbit from UV lines.
X Per	*Raguzova, N.V.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 163. (1a). Pulsar period manifestation in optical emission.

	Telting, J.H. et al. (7 authors) 1998, MNRAS 296, 785. (1aiux, 2bg) Equatorial disk of Be star.
GK Per	*Petrik, K. et al.* (5 authors) 1996, OAP 9, 41. (1a)
KN Per	*Godereya, S.N., Leung, K.C., Schmidt, E.G.* 1998, Ap&SS 254, 295. (1a, 2a)
CP Pup	*Patterson, J., Warner, B.* 1998, PASP 110, 1026. (1a, 2c) Superhump in CV.
V347 Pup	*Still, M.D., Buckley, D.A.H., Garlick, M.A.* 1998, MNRAS 299, 545. (1bo, 2aeg) Doppler tomography.
T Pyx	*O'Brien, T.J., Cohen, J.G.* 1998, ApJ 498, L59.(1b, 5) Emission from a shell rather than from jets.
	Margon, B., Deutsch, E.W. 1998, ApJ 498, L61. (1c,5) Emission lines from circumstellar nebula rather than from jets.
	Patterson, J. et al. (12 authors) 1998, PASP 110, 380. (1abf, 2acef) New interpretation as supersoft X-ray binary.
V Sge	*Gies, D.R., Shafter, A.W., Wiggs, M.S.* 1998, AJ 115, 2566. (1bc, 2eg) Hα observations.
	Marsakova, V.I. et al. (3 authors) 1996, OAP 9, 34. (1ap, 2c)
	Patterson, J. et al. (12 authors) 1998, PASP 110, 380. (1abf, 2acef) New interpretation as supersoft X-ray binary.
	Šimon, V., Mattei, J.A. 1998, Proc. 20th Stellar Conf., Brno 1997, p. 103. (1a, 2c). Long-term activity of peculiar CB.
WZ Sge	*Meyer-Hofmeister, E., Meyer, F.* 1998, AG Abstr. Ser. 14, 27. (2g, 5) AD model in quiescence.
	Patterson, J. et al. (4 authors) 1998, PASP 110, 403. (1ax, 2g) Multiple periods not understood.
V356 Sgr	*Pavlovski, K., Dominis, D., Schneider, H.* 1998, AG Abstr. Ser. 14, 33. (2ab)
V4134 Sgr (X1755-338)	*Wachter, S., Smale, A.P.* 1998, ApJ 496, L21. (1aiox) Distance inferred.
Nova Sgr 1998	1998, IAU Circ. 6846. (3b) 1998, IAU Circ. 6847. (1a) 1998, IAU Circ. 6848. (1b) Confirmed nova in early stage. 1998, IAU Circ. 6851. (1v) 1998, IAU Circ. 6855. (1v) 1998, IAU Circ. 6868. (1v) 1998, IAU Circ. 6889. (1v) 1998, IAU Circ. 6975. (1v) 1998, IAU Circ. 7003. (1v)
V893 Sco	*Kato, T. et al.* (5 authors) 1998, IBVS 4585. (3bd) Rediscovery of dwarf nova
V926 Sco	*Augusteijn, T. et al.* (5 authors) 1998, A&A 332, 561. (1ab, 2eg) Optical counterpart of LMXB.
AU Ser	*Zong-yun Li et al.* (4 authors) 1998, A&AS 131, 115. (1a, 2ce) Variations in LCs of CB.
41 Sex	*Worek, T.F.* 1998, PASP 110, 580. (1bc, 2a) Phase-modulated spectral changes not confirmed.
RW Tau	*Arévalo, M.J., Lázaro, C., Antonopoulou, E.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 25. (1ai)

AM Tau	*Sippel, J. et al.* (5 authors) 1998, IBVS 4558. (1af, 2ac)
EQ Tau	*Buckner, M., Nellermoe, B., Mutel, R.* 1998, IBVS 4559. (1af, 2c)
V471 Tau	*Sion, E.M. et al.* (5 authors) 1998, ApJ 496, L29.(1cu, 2fg) Observation of Si in an accretion spot.
	Wheatley, P.J. 1998, MNRAS 297, 1145. (1x, 2c) Stellar activity determined by rotation.
V711 Tau	*Griffiths, N.W., Jordan, C.* 1998, ApJ 497, 883. (1bux, 2e) Transition region, corona modeled.
V1081 Tau	*Bryukhanov, I.S., Vereshchagin, G.V.* 1996, OAP 9, 197. (1afp)
EK TrA	*Mennickent, R.E., Arenas, J.* 1998, PASJ 50, 333. (1ab, 2bcg) $P = 0.06288$ days.
θ Tuc	*De Mey, K., Daems, K., Sterken, C.* 1998, A&A 336, 527. (1b, 2abc) SB with δ Sct primary.
VW Tuc	*Hoard, D.W., Wachter, S.* 1998, PASP 110, 906. (1ab) Confirmed CV.
55 UMa	*Kub at, J.* 1998, N. Copernicus Obs. Brno, Proc. 20th Stellar Conf., Brno 1997, p. 77. (1b). SB in triple system.
W UMa	*Keskin, V.,Aslan, Z.* 1998, IBVS 4625. (1a)
TX UMa	*Rovithis-Livaniou, H, Kranidiotis, N.A., Rovithis, P.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 175. (1f, 2cd)
UX UMa	*Baptista, R. et al.* (6 authors) 1998, MNRAS 298, 1079. (1b, 2fg) Eclipse mapping.
	Knigge, C. et al. (7 authors) 1998, ApJ 499, 414. (1abiou, 2e) Analysis of LCs and spectra.
	Knigge, C. et al. (6 authors) 1998, ApJ 499, 429. (1biou) Recovery of 29 sec oscillation in LC.
XY UMa	*Jeffries, R.D.* 1998, MNRAS 295, 825. (1x, 2e) Extended corona.
AW UMa	*Pribulla, T., Chochol, D.* 1996, OAP 9, 43. (1f, 2c)
	Pribulla, T. et al. (4 authors) 1998, Proc. 20th Stellar Conf., Brno 1997, p. 97. (2bd). Third body in the system.
DW UMa	*Bíró,I.B.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 30. (1a). Eclipsing nova-like variable.
α UMi	*Kamper, K.W., Fernie, J.D.* 1998, AJ 116, 936. (1b) Pulsation amplitude now constant.
SS UMi	*Kato, T. et al.* (4 authors) 1998, IBVS 4602. (1a, 3d) Superhumps in dwarf nova
GP Vel	*Wilson, R.E., Terrel, D.* 1998, MNRAS 296, 33. (1b, 2ac) Pulse/RV application.
HW Vir	*Husar, D.* 1998, SuW 37, 658. (1a) Eclipse minimum.
QQ Vul	*Cropper, M.* 1998, MNRAS 295, 353. (1d) Variations of polarization.
PU Vul	*Chochol, D., Pribulla, T., Tamura, S.* 1998, IBVS 4571. (1a)
S 10943 Vul	*Richter, G.A., Greiner, J., Kroll, P.* 1998, IBVS 4622. (1a, 2c, 3d). New active dwarf nova

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

HR 5	*Weber, M, Strassmeier, K.G.* 1998, IBVS 4573. (1ab, 2a)
HR 1105	*Adelman, S.J.* 1998, A&A 333, 952. (1a, 2e) Pulsation of S star.
HR 2875	*Burleigh, M.R., Barstow, M.A.* 1998, MNRAS 295, L15. (1bux) Discovery of the first B star + WD system.
HR 4049	*Bakker, E.J.* 1998, A&A 336, 263. (1b, 2abef) Models for supergiant binary.
HR 7428	*Rodonò, M. et al.* (5 authors) 1998, Ap&SS 255, 361. (1i) ISO observations.
HD 5980	*Koenigsberger, G. et al.* (4 authors) 1998, ApJ 496, 934. (1abu, 2b) Variable wind velocity in WR binary. *Koenigsberger G. et al.* (4 authors) 1998, ApJ 499, 889. (1bcu) Eruption in WR binary, model predicts 120 $M_\odot$ progenitor star. *Moffat, A.F.J. et al.* (10 authors) 1998, ApJ 497, 896. (1bdo) Strong colliding winds.
HD 6628	*Watson, L.C., Pollard, K.R., Hearnshaw, J.B.* 1998, IBVS 4617. (1b, 2a, 3b)
HD 15965	*Vidal-Sainz, J.* 1998, IBVS 4557. (1af, 2c, 3b)
HD 35187	*Dunkin, S.K., Crawford, I.A.* 1998, MNRAS 298, 275. (1bo, 2e)
HD 62454	*Kaye, A.B.* 1998, IBVS 4596. (1b, 2a, 3b)
HD 98800	*Jensen, E.L.N., Cohen, D.H., Neuhäuser, R.* 1998, AJ 116, 414. (1x)
HD 125273	*Ginestet, N., Carquillat, J.-M.* 1998, A&AS 130, 415. (1b, 2a) Double-lined Am system.
HD 143213	*Bastian, U., Born, E.* 1998, IBVS 4590. (2c)
HD 163151	*Rodríguez, E. et al.* (17 authors) 1998, A&A 336, 920. (1a, 2ac, 3b) LC analysis of new W UMa EB.
HD 185510	*Frasca, A., Marilli, E., Catalano, S.* 1998, A&A 333, 205. (1ac, 2bce) Chromospheric activity.
HD 193322	*McKibben, W.P. et al.* (11 authors) 1998, PASP 110, 900. (1b, 2a) New component in O-type multiple system.
HD 197770	*Gordon, K.D. et al.* (8 authors) 1998, AJ 115, 2561. (1b, 2a)
HD 200775	*Miroschnichenko, A.S. et al.* (6 authors) 1998, PASP 110, 883. (1b) Periodic spectral variations due to close companion?
BD +05°706	*Torres, G., Neuhäuser, R., Wichmann, R.* 1998, AJ 115, 2028. (1bcx, 2a) New cool Algol.
BD +23°770	*Bryukhanov, I.S., Vereshchagin, G.V.* 1996, OAP 9, 197. (1ap)

X-ray sources with constellation names

Aql X-1	*Shahbaz, T. et al.* (4 authors) 1998, MNRAS 296, 1004. (1a, 2ac) Low inclination soft X-ray transient.
Cen X-3	*Lanzafame, G., Belvedere, G.* 1998, MNRAS 295, 618. (2g) 3D SPH simulation. *van der Kerkwijk, M.H. et al.* (4 authors) 1998, ApJ 499, L27. (5) Torque reversals caused by warped disk.

Cep X-4	*Bonnet-Bidaud, J.M., Mouchet, M.* 1998, A&A 332, L9. (1b, 2e, 3cd) Identification of X-ray pulsar.
Cir X-1	*Johnston, H.* 1998, Publ. Astron. Soc. Australia 15, 243. (7a)
Cyg X-1	*Bochkarev, N.G., Lyutyi, V.M.* 1998, Pis. AZh 24, 330. (1a, 2be)
	Dove, J.B. et al. (5 authors) 1998, MNRAS 298, 729. (1bx, 2eg) *RXTE* observation.
	Paul, B., Agrawal, P.C., Rao, A.R. 1998, JA&A 19, 55. (1x) QPO with a peak at 0.06 Hz.
	Pottschmidt, K. et al. (4 authors) 1998, A&A 334, 201. (1x, 2eg, 5) X-ray variability.
Cyg X-2	*Smale, A.P.* 1998, ApJ 498, L141. (1x) Type 1, i.e., accretion onto surface of NS observed.
	Wijnands, R. et al. (9 authors) 1998, ApJ 493, L105. (1a, 7b) Detection of kHz QPOs; NS spin period 2.9 ± 0.2 ms (erratum of BCB 66 entry).
Cyg X-3	*Ergma, E., Yungelson, L.R.* 1998, A&A 333, 151. (2g, 5) Model for BH+WR system.
	Mitra, A. 1998, ApJ 499, 385. (5) Reanalysis shows this system does not contain a BH.
Her X-1	*Blum, S., Kraus, U.* 1998, AG Abstr. Ser. 14, 130. (1x, 2g) Pulse shape analysis and modeling of emission from magnetic poles.
Sco X-1	*Kaaret, P. et al.* (4 authors) 1998, ApJ 497, L93. (1cx, 5) Correlation between QPO and X-ray spectrum.
	McNamara, B.J. et al. (9 authors) 1998, ApJS 116, 287. (1abgx) 4.4 year period 10-20 keV LCs reveal abrupt changes.
	Titarchuk, L., Lapidus, I., Muslimov, A. 1998, ApJ 499, 315. (5) Explanation of millisecond variations in X-rays.
Sco X-2	*Kuulkers, E., van der Klis, M.* 1998, A&A 332, 845. (1x, 2eg) Peculiarities of LMXB.
Vel X-1	*Orlandini, M. et al.* (10 authors) 1998, A&A 332, 121. (1x, 2e) BeppoSax observation of X-ray pulsar.

Object names including RA and DEC

RX J0019.8+2156 (QR And)	*Quaintrell, H., Fender, R.P.* 1998, A&A 335, L17. (1abi, 2eg) IR observations of X-ray binary.
	Tomov, T. et al. (5 authors) 1998, A&A 333, L67. (1bo, 2aeg) Jets from X-ray binary.
AX J0051-722	1998, IAU Circ. 6858. (1x) Rebrightening, suggested orbital period.
AX J0051-73.3 (in SMC)	1998, IAU Circ. 6853. (1x) X-ray pulsar.
	1998, IAU Circ. 6854. (1x) ROSAT counterpart.
	1998, IAU Circ. 6860. (1a, 3c) MACHO optical counterpart.
	1998, IAU Circ. 6880. (1b) Optical counterpart: Be star in SMC.
XTE J0053-724	1998, IAU Circ. 7007. (1x) Pulsations.
1SAX J0054.9-7226 (in SMC)	*Israel, G.L. et al.* (7 authors) 1998, A&A 334, L65. (1x, 3cd) Position and identification of X-ray pulsar.
1RXSJ010124.9+411503	*Robb, R.M.* 1998, IBVS 4560. (1af, 2c, 3bcd)
PSR J0218+4232	*Kuiper, L. et al.* (4 authors) 1998, A&A 336, 545. (1x, 2e) Detection of pulsed X-ray emission.

RX J0501.3-0359	*Burwitz, V., Reinsch, K., Thomas, H.C.* 1998, AG Abstr. Ser. 14, 26. (1abx, 3b) New ROSAT discovered eclipsing polar.
RX J0513.9-6951 (in LMC)	*Gänsicke, B.T. et al.* (4 authors) 1998, A&A 333, 163. (1bu, 2eg) Hubble observations of X-ray binary.
A0535+262	*Clark, J.S. et al.* (4 authors) 1998, MNRAS 297, 657. (1bi, 2e) Changes in the circumstellar environment.
	Steele, I.A. et al. (4 authors) 1998, MNRAS 297, L5. (1b, 2b) Distance to the system.
A 0538-66	*Misselt, K.A., Clayton, G.C. Schulte-Ladbeck, R.E.* 1998, PASP 110, 396. (1bd, 2g)
1SAX J0544.1-710 (in LMC)	1998, IAU Circ. 6867. (1x) Possible HMXB in LMC.
	Cusumano, G. et al. (6 authors) 1998, A&A 337, L65. (1ox, 2e, 3cd) X-ray pulsation from HMXB.
HS 0551+7241	*Dobrzycka, D. et al.* (4 authors) 1998, AJ 115, 1634. (1bc) New CV.
4U 0614+091	*Ford, E.C.* 1998, PASP 110, 635. (1x, 2b, 7a)
RE 0751+14	*Somov, N.N., Somova, T.A., Najdenov, I.D.* 1998, A&A 332, 526. (1b, 2e, 5) Oscillations in optical spectrum of CV.
RX J0757.0+6306	*Tovmassian, G.H. et al.* (11 authors) 1998, A&A 335, 227. (1abo, 2eg, 3cd) Shortest period IP?
RX J0929.1-2404	*Buckley, D.A.H. et al.* (4 authors) 1998, MNRAS 295, 899. (1adu, 2c) Eclipsing polar.
PG 1000+667	*Hillwig, T.C., Robertson, J.W., Honeycutt, R.K.* 1998, AJ 115, 2044. (1ab, 2c) New VY Scl star.
PSR J1012+53	*Li, X.-D., van den Heuvel, E.P.J., Wang, Z.-R.* 1998, ApJ 497, 865. (5) Disk instabilities in LMXB.
	Sarna, M.J., Antipova, J., Muslimov, A. 1998, ApJ 499, 407. (5) Possible masses of pulsar binary explored.
1E 1048.1-5967	*Mereghetti, S., Israel, G.L., Stella, L.* 1998, MNRAS 296, 689. (1x, 2ac) RXTE observation.
GS 1124-68 (Nova Mus 1991)	*Zycki, P.T., Done, C.* 1998, ApJ 496, L25. (1bx) X-ray reflected component identified.
RX J1141.3-6410	*Rodrigues, C.V., Cieslinski, D., Steiner, J.E.* 1998, A&A 335, 979. (1bdo, 2aceg) Observations of polar CV.
RX J1238-38	*Buckley, D.A.H. et al.* (4 authors) 1998, MNRAS 299, 83. (1abdx, 2ceg, 3d) New IP.
PG 1336-018	*Kilkenny, D. et al.* (5 authors) 1998, MNRAS 296, 329. (1ab, 2abc) Pulsation periods.
PSR J1455-3330	*Li, X.-D., van den Heuvel, E.P.J., Wang, Z.-R.* 1998, ApJ 497, 865. (5) Evidence of disk instabilities.
4U 1543-47	*Orosz, J.A.* 1998, ApJ 499, 375. (1ab, 2b) Likely contains a BH.
XTE J1550-564	1998, IAU Circ. 7008. (1x) Probable BH in transient.
	1998, IAU Circ. 7009. (1a, 3b)
	1998, IAU Circ. 7010. (1x, 1r) X-ray oscillations, radio counterpart.
MS1603-2600	*Hakala, P.J. et al.* (6 authors) 1998, A&A 333, 540. (1adox, 2eg, 3d) On the nature of this X-ray binary.
4U 1626-67	*Kommers, J.M., Chakrabarty, D., Lewen, W.H.G.* 1998, ApJ 497, L33. (1x) Sidebands of QPO may be due to orbiting clump of matter.

	van der Kerkwijk, M.H. et al. (4 authors) 1998, ApJ 499, L27. (5) Torque reversals caused by warped disk.
4U 1636-54	*Strohmayer, T.E. et. al* (5 authors) 1998, ApJ 498, L135. (1cx) 581 Hz oscillations observed during X-ray burst.
GRO J1655-40	*Gliozzi, M. et al.* (5 authors) 1998, A&A 337, L39. (1do, 2eg) Polarization variability of CV. *Mendez, M., Belloni, T., van der Klis, M.* 1998, ApJ 499, L187. (1bx) High, intermediate and low states observed in galactic BH candidate. *Soria, R.* 1998, Publ. Astron. Soc. Australia 15, 242. (7a) Optical lines.
OAO 1657-415	*Kerkwijk, M.H. et al.* (4 authors) 1998, ApJ 499, L27. (5) Torque reversals caused by warped disk.
X1658-298 (V2134 Oph)	*Wachter, S., Smale, A.P.* 1998, ApJ 496, L21. (1x)
4U 1705-44	*Ford, E.C., van der Klis, M., Kaaret, P.* 1998, ApJ 498, L41. (1x) Discovery of $\sim$ 1kHz QPOs.
RXJ 1724.0+4114	*Greiner, J., Schwarz, R., Wenzel, W.* 1998, MNRAS 296, 437. (1abx, 2cg, 3cd) Identification of the X-ray source as magnetic CV.
MXB 1730-335	1998, IAU Circ. 6992. (1x) New outburst.
1E 1740.7-2942	1998, IAU Circ. 6963. (1x) LMXB entering low state.
GRO J1744-28	*Koshut, T.M.* 1998, ApJ 496, L101. (1x) Bursting pulsar displays persistent X-ray pulsations combined with bursts and delays.
SAX J1747.0-2853	*Sidoli, L. et al.* (6 authors) 1998, A&A 336, L81. (1x, 2eg) New X-ray burster.
SAX 1748.9-2021	1998, IAU Circ. 6997. (1x, 3c) Transient, LMXB.
XTE J1748-288	1998, IAU Circ. 6932. (1x) New transient. 1998, IAU Circ. 6934. (1r) Possible radio counterpart . 1998, IAU Circ. 6937. (1r) Counterpart confirmed. 1998, IAU Circ. 6938. (1r)
X1755-338 (V4134 Sgr)	*Wachter, S., Smale, A.P.* 1998, ApJ 496, L21. (1x)
RX J1802.1+1804	*Greiner, J., Remillard, R.A., Motch, C.* 1998, A&A 336, 191. (1abox, 2ceg, 3cd) X-ray stream-eclipsing polar. *Ishida, M. et al.* (4 authors) 1998, A&A 336, 200. (1x, 2eg) ASCA observations.
J 1806-20	*Griffin, R.F.* 1998, Observatory 118, 78. (1b, 2a) Double-lined binary.
SAX J1808.4-3658 (XTE J1808-369, J 1808-369)	1998, IAU Circ. 6876. (1x) Near coherent pulsations. 1998, IAU Circ. 6877. (1x) Binary orbit. 1998, IAU Circ. 6878. (1x) Hard spectrum. 1998, IAU Circ. 6885. (1a,1b,3c) Possible optical counterpart. 1998, IAU Circ. 6886. (1a) Counterpart confirmed. 1998, IAU Circ. 6897. (1b) Spectroscopic observations of counterpart. 1998, IAU Circ. 6898. (7b) 1998, IAU Circ. 6878. (1i) Counterpart in IR. *Chakrabarty, D., Morgan, E.H.* 1998, Nature 394, 346. (1x, 5) The 2-hour orbit of the first millisecond pulsar in an accreting X-ray system; see also *News & Views*, p.323 (N.E. White). *Vijnands, R., van der Klis, M.* 1998, Nature 394, 344. (1x, 5) A millisecond pulsar in an X-ray binary system.
4U 1811-17	*Homan, J. et al.* (5 authors) 1998 ApJ 499, L41. (1ax) QPO.

4U 1820-30	*Kestenbaum, D.* 1998, Science 280, 674. Popular review of establishing the innermost stable orbit around NS.
GS 1826-24	*Homer, L., Charles, P.A., O'Donoghue, D.* 1998, MNRAS 298, 497. (1a, 2c, 3d) Optical bursts.
XTE J1855-26	1998, IAU Circ. 6904. (1x) Probable HMXB. 1998, IAU Circ. 6927. (1x) Supergiant companion.
XTE J1858+034	*Paul, B., Rao, A.R.* 1998, A&A 337, 815. (1x, 2eg) Oscillations in new X-ray pulsar.
4U 1907+09	*in't Zand, J.J.M, Baykal, A., Strohmayer, T.E.* 1998, ApJ 496, 386. (1ax, 2ag) Frequent occurrence of a retrograde transient AD may be slowing the pulsar down.
GRS 1915+105	*Winkler, C., Trams, N.* 1998, A&A 337, 729. (1bi, 2eg) BH in HMXB?
XTE J2012+381	1998, IAU Circ. 6910. (1x) New transient. 1998, IAU Circ. 6920. (1a) Possible optical counterpart . 1998, IAU Circ. 6922. (1a) No counterpart. 1998, IAU Circ. 6924. (1r) 1998, IAU Circ. 6926. (1r) 1998, IAU Circ. 6927. (1x) BH candidate. 1998, IAU Circ. 6931. (1a) New proposed counterpart. 1998, IAU Circ. 6932. (1a,1i) Counterpart confirmed.
PSR J2019+2425	*Tauris, T.M.* 1998, A&A 334, L17. (2eg, 5, 6) On the evolution of binary pulsars.
GRO J2058+42	*Wilson, C.A. et al.* (5 authors) 1998, ApJ 499, 820. (1agx, 3b) Discovery of pulsar.
SAX J2103.5+4545	*Hulleman, F., in't Zand, J.J.M., Heise, J.* 1998, A&A 337, L25. (1x, 2eg) New X-ray pulsar.
XTE J2123-058	1998, IAU Circ. 6955. (1x) New transient. 1998, IAU Circ. 6957. (1a, 3c) 1998, IAU Circ. 6958. (1x) Improved position. 1998, IAU Circ. 6964. (1x) QPOs. 1998, IAU Circ. 6971. (1a) Eclipses of AD. 1998, IAU Circ. 6971. (1x) QPOs. 1998, IAU Circ. 6972. (1a, 1c) New period determination. 1998, IAU Circ. 6975. (1a) Period confirmed. 1998, IAU Circ. 6976. (1b) RV amplitude. 1998, IAU Circ. 6993. (1a) Optical decline. 1998, IAU Circ. 7000. (1a) Ellipsoidal modulation.
1E 2259+586	*Baykal, A. et al.* (4 authors) 1998, A&A 336, 173. (1x, 2eg) Undetected orbital period of X-ray pulsar. *Mereghetti, S., Israel, G.L., Stella, L.* 1998, MNRAS 296, 689. (1x, 2ac) RXTE observation.

Galactic objects with other designations

GD 1401	*Kelley, M., Bues, I.* 1998, AG Abstr. Ser. 14, 131. (1b) Spectroscopic identification of DA WD companion of M4 star.
GSC 03505-00677	*Samec, R.G., Faulkner, D.* 1998, IBVS 4611. (1af, 2c, 3d)
GSC 3869-484	*Robb, R.M., Cardinal, R.D.* 1998, IBVS 4610. (1af, 2ac, 3d)

GX 1+4 (V2116 Oph)	*Charkrabarty, D., van der Kerkwijk, M.H., Larkin, J.E.* 1998, ApJ 497, L39. (1bg) Strong wind alternative to accreting Roche lobe overflow. *David, P. et al.* (15 authors) 1998, A&A 332, 165. (1x, 2eg) SIGMA observations of X-ray pulsar. *Greenhill, J.G., Galloway, D., Storey, M.C.* 1998, Publ. Astron. Soc. Australia 15, 254. Luminosity-dependent changes of pulse profiles. *Storey, M.C., Greenhill, J.G., Kotani, T.* 1998, Publ. Astron. Soc. Australia 15, 217. Pulse morphology. *van der Kerkwijk, M.H. et al.* (4 authors) 1998, ApJ 499, L27. (5) Torque reversals caused by warped disk.
GX 5-1	**Titarchuk, L., Lapidus, I., Muslimov, A.** 1998, ApJ 499, 315. (5) Explanation of millisecond variations in X-rays.
GX 339-4	*Hannikainen, D.C. et al.* (4 authors) 1998, A&A 337, 460. (1r, 2eg) Radio monitoring of LMXB. *Trudolyubov, S. et al.* (16 authors) 1998, A&A 334, 895. (1x, 2eg) SIGMA observations.
GX 340+0	*Homan, J. et al.* (5 authors) 1998, ApJ 499, L41. (1x) 57-69 Hz QPOs. *Jonker, P.G. et al.* (5 authors) 1998, ApJ 499, L191. (1x) Two simultaneous kHz QPOs discovered.
LSI+61° 303	*Steele, I.A. et al.* (4 authors) 1998, MNRAS 297, L5. (1b, 2b) Distance to the system.
New Algol (NGC 2174)	*Bryukhanov, I.S.* 1996, OAP 9, 198. (1ap, 2a)
NSV 05513	*Bryukhanov, I.S., Askirko, V.M.* 1996, OAP 9, 196. (1a)
PB 8783	*O'Donoghue, D. et al.* (9 authors) 1998, MNRAS 296, 296. (1a, 2c) Pulsation periods.
Phe 1	*Hoard, D.W., Wachter, S.* 1998, PASP 110, 906. (1ab) Confirmed CV.
Scl 2	*Hoard, D.W., Wachter, S.* 1998, PASP 110, 906. (1ab) Not CV.
SS 433 (V1343 Aql)	*Goranskij, V.P.* 1998, N. Copernicus Obs. Brno, Proc. 29th Conf. on Var. Stars, Brno 1997, p. 103. (1a) EB with relativistic jets. *Goranskii, V.P. et al.* (3 authors) 1998, AZh 75, 240. (1ab, 2c) *Goranskii, V.P. et al.* (3 authors) 1998, AZh 75, 383. (1a, 2c)

Extragalactic variables, SN, X-ray sources

1SAX J0054.9-7226 (in SMC)	*Israel, G.L. et al.* (7 authors) 1998, A&A 334, L65. (1x, 3cd) Position and identification of X-ray pulsar.
1SAX J0544.1-710 (in LMC)	1998, IAU Circ. 6867. (1x) Possible HMXB in LMC. *Cusumano, G. et al.* (6 authors) 1998, A&A 337, L65. (1ox, 2e, 3cd) X-ray pulsation from HMXB.
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