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IDENTIFICATION OF THE MARGONI–STAGNI VARIABLES

In a 1984 publication, “A search for new variable stars in the Milky Way field at $l = 78^\circ$, $b = -6^\circ$ ”, R. Margoni and R. Stagni give finding charts, light curves, and elements for 99 new variable stars. A follow-up paper (Margoni et al. 1989) contains additional observations for the same stars. About three-quarters of these are now named variables. I have gone through this list to determine precise positions for all the stars, and have made identifications with the IRAS and GSC catalogues. Positions were drawn mostly from the GSC (version 1.1), or the U.S. Naval Observatory UJ1.0 and A0.9 catalogues (Monet et al. 1994, Monet 1996). The deep USNO catalogues were of considerable value in obtaining positions for the fainter stars. Where a star does not appear in any of these, I have used the Goddard SkyView facility (Scollick 1997) to estimate positions accurate to about $\pm 2''$ from the digitized sky survey (DSS) with a coordinate-grid overlay.

The table is largely self-explanatory. The source of each position is indicated in the column ‘s’ immediately following, using the following codes:

- A = A0.9
- G = GSC
- U = UJ1.0
- S = SkyView
- P = PPM (one star only)

Stars 56 and 85 have positions from the literature as noted in the remarks, which I have verified by comparing the Margoni–Stagni charts against the DSS.

The principal variable-star names are given in the ‘Other IDs’ column, along with names found in SIMBAD. Notes on specific stars are indicated by an asterisk in column ‘n’, and follow after the end of the table.

Table 1. The Margoni–Stagni Variables

[MS84]	RA	(2000)	Dec	s	IRAS	GSC	n	Other IDs
1	20 39 31.0	+35 53 17	A	20375+3532				
2	20 40 17.3	+35 59 06	U	20383+3548				V1828 Cyg
3	20 41 19.0	+34 44 52	U				*	Hen 2-468
4	20 41 45.7	+35 01 45	U					
5	20 42 15.5	+35 33 34	S	20402+3522				V1831 Cyg
6	20 42 11.9	+35 52 17	S	20402+3541				V1830 Cyg
7	20 42 15.7	+35 58 29	S	20403+3547				V1833 Cyg
8	20 43 00.0	+35 29 48	G		2695-1133		*	LHS 3574
9	20 43 06.0	+34 13 40	U					
10	20 43 12.6	+35 42 51	S	20412+3531				V1834 Cyg
11	20 43 50.5	+34 28 49	G	20418+3417	2695-1838			V1975 Cyg
12	20 44 15.1	+37 05 32	A					
13	20 44 34.2	+34 36 21	U					V1835 Cyg
14	20 44 42.9	+35 58 19	G	20427+3547	2699-2314			V1836 Cyg

Table 1 (cont.)

[MS84]	RA (2000)	Dec	s	IRAS	GSC	n	Other IDs
15	20 44 53.9	+36 43 16	G	20429+3632	2699-1398		
16	20 45 10.9	+36 48 41	G	20432+3637	2699-1805		
17	20 45 25.9	+37 45 32	S	20435+3734	3166-1680	*	V1837 Cyg
18	20 45 41.6	+36 44 12	U	20437+3633			V1838 Cyg = EM* VES 238
19	20 45 44.8	+35 43 52	U				V1839 Cyg
20	20 45 46.6	+33 48 47	U	20437+3337			V1840 Cyg
21	20 45 51.8	+36 06 39	A	20438+3555		*	V1841 Cyg
22	20 45 51.2	+36 59 46	G		2699-1426		
23	20 46 07.1	+36 56 53	G	20441+3645	2699-2963		V1842 Cyg = CGCS 4967
24	20 46 27.7	+34 03 53	S				V1843 Cyg
25	20 46 36.2	+36 45 31	A				V1844 Cyg
26	20 46 43.2	+34 29 49	U	20447+3418			V1845 Cyg
27	20 47 19.0	+36 14 01	U		2699-2644	*	V1847 Cyg
28	20 47 18.5	+36 23 29	U	20453+3612			V1846 Cyg
29	20 47 22.5	+36 39 47	U				not GSC 2699-0693
30	20 47 28.7	+36 16 57	S				V1848 Cyg; not HD 198196
31	20 47 43.4	+34 19 04	G	20457+3408	2695-3678		V1976 Cyg
32	20 47 47.4	+36 14 49	S	20458+3603			V1849 Cyg = CGCS 4976
33	20 47 56.6	+35 44 20	S		2699-3236	*	V1850 Cyg
34	20 48 08.0	+35 01 10	U	20461+3450			V1851 Cyg
35	20 48 11.3	+36 09 17	G		2699-2555		
36	20 48 13.5	+36 14 55	U				
37	20 48 13.9	+36 14 25	U				V1852 Cyg
38	20 48 14.2	+36 52 36	G	20463+3641	2699-1038		V1854 Cyg = EM* VES 245
39	20 48 21.5	+33 54 33	S	20463+3343		*	V1855 Cyg
40	20 48 19.4	+35 27 34	G		2695-0975		V1856 Cyg
41	20 48 27.0	+34 13 15	S	20464+3402			V1857 Cyg
42	20 48 25.3	+37 45 31	G	20465+3734	3166-1801		
43	20 48 30.2	+36 13 47	A				V1858 Cyg
44	20 48 34.4	+36 44 56	A			*	
45	20 48 55.6	+33 23 19	G	20469+3312	2691-2274		V1978 Cyg
46	20 48 55.3	+36 09 44	A	20470+3559			V1859 Cyg
47	20 49 04.4	+34 16 11	G	20471+3405	2695-2300		V1860 Cyg
48	20 49 05.5	+37 27 30	U	20471+3716			V1861 Cyg
49	20 49 16.2	+33 13 47	U	20472+3302	2691-2538	*	V1862 Cyg
50	20 49 17.1	+33 13 33	P		2691-2536		AG+33° 2010
51	20 49 38.4	+37 12 48	G	20477+3701	2699-0835		V1863 Cyg
52	20 50 02.0	+34 46 44	A				
53	20 50 05.0	+37 30 00	U	20481+3718			V1864 Cyg = LD 31

Table 1 (cont.)

[MS84]	RA	(2000)	Dec	s	IRAS	GSC	n	Other IDs
54	20 50	14.3	+33 53	26	U			
55	20 50	15.0	+34 10	50	G	20482+3359	2695-3508	DO 19513 = IRC +30457
56	20 50	18.1	+33 36	33	*	20482+3325		* [PCC93] 430
57	20 50	19.2	+34 37	54	S	20483+3426		* V1865 Cyg
58	20 50	16.4	+37 56	45	G		3167-1279	
59	20 50	36.9	+36 18	43	U			V1866 Cyg
60	20 50	40.3	+35 25	37	S			V1867 Cyg
61	20 50	51.4	+33 41	42	U			V1979 Cyg
62	20 51	17.0	+34 31	04	U			
63	20 51	14.4	+36 53	32	G	20493+3642	2700-0028	V1868 Cyg
64	20 51	39.3	+33 27	24	U			* V1869 Cyg
65	20 51	33.7	+36 57	03	A	20496+3645		
66	20 51	40.6	+35 17	32	G	20496+3506	2696-3010	V1871 Cyg
67	20 51	41.1	+35 44	08	G		2700-1545	V1870 Cyg
68	20 51	45.0	+33 07	57	U	20497+3256		V1872 Cyg
69	20 52	02.8	+36 07	58	U	20500+3556		V1873 Cyg
70	20 52	04.8	+35 59	10	S		2700-0349	* V1874 Cyg
71	20 52	07.5	+35 58	30	G		2700-1559	* V1875 Cyg
72	20 52	27.5	+36 54	36	S	20505+3643		* V1876 Cyg
73	20 52	43.4	+34 24	10	G		2696-3393	V1877 Cyg
74	20 53	00.7	+38 11	15	U			V1878 Cyg
75	20 53	15.2	+32 53	00	S			*
76	20 53	50.0	+37 15	34	S			V1879 Cyg
77	20 54	04.4	+35 54	45	U	20521+3543		V1880 Cyg
78	20 54	44.2	+34 37	48	U	20527+3426		V1881 Cyg
79	20 55	19.6	+37 46	50	U			V1882 Cyg
80	20 55	55.3	+36 01	13	A			V1883 Cyg
81	20 56	07.1	+33 39	07	U			V1884 Cyg
82	20 56	14.0	+34 40	48	S	20542+3429		V1885 Cyg
83	20 56	13.6	+36 21	52	G	20542+3610	2700-2803	V1886 Cyg
84	20 56	41.5	+33 09	36	U			V1887 Cyg
85	20 56	53.4	+37 25	12	*			* V1888 Cyg
86	20 57	10.3	+34 08	09	G	20551+3356	2696-1758	V1889 Cyg
87	20 57	21.6	+37 55	20	S			*
88	20 57	46.9	+35 58	03	G		2700-0475	* V1890 Cyg
89	20 57	50.0	+34 09	51	U			
90	20 59	21.1	+34 41	05	A			V1892 Cyg
91	20 59	28.0	+36 39	03	U			
92	20 59	42.3	+34 01	46	U			
93	20 59	50.0	+34 20	07	A			V1893 Cyg
94	21 00	34.5	+37 29	36	U			
95	21 00	45.1	+34 05	07	G	20587+3353	2709-1744	V1894 Cyg
96	21 00	48.4	+36 32	09	U			V1895 Cyg
97	21 01	19.8	+36 25	54	A			V1896 Cyg

Table 1 (cont.)

[MS84]	RA (2000)	Dec	s	IRAS	GSC	n	Other IDs
98	21 02 29.2	+35 09 59	A	21004+3457			V1897 Cyg
99	21 05 05.0	+35 40 02	G		2713-0126		V1900 Cyg

Notes

- 3 symbiotic star (Carrasco et al. 1983).
8 G 210-31 position corrected for annual proper motion of $-0''.225/-0''.575$.
17 the southeastern star of a close pair.
21 Margoni–Stagni chart slightly in error; northwestern star of a close pair.
27 the northwestern star of a close pair.
33 the northern star of a close pair.
39 position is for the northern/brighter of two stars.
44 the southern/fainter of two stars.
49 BD+32°3954 = IRC +30456. The PPM assigns the BD name in error to the visually fainter companion southwest at end-figures 15:2/42''.
56 VLA position from Lewis et al. (1990).
57 not GSC 2695-2517.
64 not NSV 13365, which is at: 20 51 48.6 +33 28 04 (U).
70 western star of a merged pair.
71 eastern of two stars.
72 crowded: position somewhat uncertain.
75 on northwest side of GSC 2692-2430.
85 AFGL 2679 position from Joyce et al. (1977).
87 the southeastern of two stars.
88 northeastern of two stars.

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