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A LIST OF ECLIPSING BINARIES TO BE CONTINUOUSLY
MONITORED

The study of apsidal motion in eclipsing binaries depends very strongly on timings of minimum light observed along many years. These measurements are very easy to accomplish with normal photoelectric equipments and may be included within other scientific programs without much extra work. The usefulness of this kind of studies has been already stressed by many authors since apsidal motion in eclipsing binaries remains as one of the best ways to approach empirically the interior of the stars.

For this reason, a list of 55 binary systems is presented in this communication including not only those eclipsing binaries already known to exhibit apsidal motion but also those candidates with promising characteristics that for the moment have not been analyzed because of the lack of sufficient observed data. The present list has been made as a selection from a more extended compilation of binaries suspected of apsidal motion at any time, eliminating the systems with photometric, theoretical or any other type of complication blocking the possibility to reach confident conclusions from the observations.

In the table is given the name of the star as a variable (although some of them are probably better known through their HD, HR, VV or other names). Also the position in the sky is included using the Right ascension and the Declination for the epoch 1900.0 as given in the "General Catalogue of Variable Stars". The period of the binary is listed to four decimals and another column gives approximated values of the visual magnitude outside eclipses and during primary minimum. All these figures are given as an indication for observers when planning their work. Many of the systems are also included in the "Rocznik Astronomiczny Ob-

Table I

1	V539 Ara	17 ^h 42 ^m 18 ^s	-53° 25'.0	5.66-6.19	3.1691 ^d
2	AS Cam	05 24 18	69 27.0	8.2-8.8	1.7155
3	GL Car	11 10 21	-60 06.9	8.9-9.6	2.4222
4	GR Car	10 34 59	-57 41.4	13.6-14.0	17.1359
5	QX Car	09 51 20	-57 56.9	6.46-7.0	4.4772
6	PV Cas	23 05 45	58 39.6	9.9-10.6	1.7505
7	V459 Cas	01 05 12	60 36.9	11.4-12.0	8.4583
8	KT Cen	11 43 14	-61 47.8	12.0-12.4	4.1304
9	V346 Cen	11 38 04	-61 52.8	8.3-8.7	6.3223
10	V384 Cen	11 34 37	-61 37.1	11.8-12.4	12.6352
11	CW Cep	23 00 01	62 51.5	7.6-8.06	2.7291
12	EK Cep	21 39 38	69 14.2	8.2-9.5	4.4278
13	TV Cet	03 09 25	02 22.9	8.6-9.3	9.1033
14	UX Cru	12 12 40	-62 08.7	11.7-12.1	12.2975
15	Y Cyg	20 48 04	34 16.9	7.2-7.8	2.9963
16	V380 Cyg	19 47 11	40 20.7	5.5-5.62	12.4257
17	V453 Cyg	20 02 49	35 27.2	8.3-8.6	3.8898
18	V477 Cyg	20 01 31	31 41.2	8.3-9.2	2.3470
19	V541 Cyg	19 38 35	31 05.3	10.2-10.9	15.3381
20	V1136 Cyg	19 33 49	28 37.1	12.2-12.9	3.4628
21	V1143 Cyg	19 36 27	54 44.5	5.9-6.4	7.6408
22	DI Her	18 49 17	24 09.3	8.3-9.0	10.5502
23	AI Hya	08 13 38	00 35.6	9.0-9.5	8.2897
24	SS Lac	22 00 42	45 56.5	10.1-10.5	14.4163
25	CO Lac	22 42 27	56 18.6	10.4-11.0	1.5422
26	ES Lac	22 28 18	53 27.0	11.4-12.0	4.4593
27	MZ Lac	22 24 06	53 10.2	11.2-12.1	3.1588
28	V345 Lac	22 14 58	54 10.4	10.7-11.4	7.4918
29	RR Lyn	06 17 59	56 20.3	5.6-6.0	9.9450
30	UX Men	02 51 37	-76 11.9	8.6-9.4	4.1811
31	GM Nor	15 44 09	-55° 03.7	11.6-12.1	1.8845
32	GN Nor	15 47 16	-54 13.8	12.6-13.3	5.7034
33	HH Nor	15 36 05	-51 31.6	10.3-11.5	8.5831
34	V451 Oph	18 24 32	10 49.6	7.86-8.46	2.1966
35	EW Ori	05 14 57	01 56.5	10.4-11.2	6.9368
36	FH Ori	05 18 00	04 11.0	10.5-11.5	2.1512
37	FL Ori	05 02 45	-02 53.0	10.5-13.2	1.5510

Table I (cont.)

38	FT Ori	06	07	58	21	27.3	9.1-9.7	3.1504
39	GG Ori	05	38	05	-00	44.3	10.0-10.6	6.6315
40	AG Per	04	00	32	33	10.6	6.5-6.8	2.0287
41	IQ Per	03	52	30	47	51.9	7.5-8.0	1.7436
42	Tseta Phe	01	04	11	-55	46.8	4.0-4.5	1.6699
43	KX Pup	07	47	51	-26	07.5	11.6-12.0	2.1468
44	NO Pup	08	22	37	-38	43.9	6.7-7.1	1.2569
45	YY Sgr	18	38	42	-19	29.4	9.8-10.5	2.6285
46	V523 Sgr	18	56	35	-29	17.1	10.1-10.4	2.3238
47	V526 Sgr	19	01	49	-31	30.3	9.9-10.7	1.9194
48	V1647 Sgr	17	52	26	-36	55.7	7.0-7.15	3.2828
49	V2283 Sgr	17	57	51	-36	55.0	10.1-10.9	3.4714
50	V629 Sco	17	11	27	-38	57.2	11.9-12.4	3.2491
51	AP Tau	04	48	33	26	45.6	13.4-14.1	0.9720
52	AO Vel	08	08	55	-48	26.6	9.6-10.0	1.5846
53	EO Vel	08	35	35	-43	22.7	11.1-11.7	5.3296
54	DR Vul	20	09	36	26	26.9	8.6-9.3	2.2508
55	FQ Vul	19	31	30	26	03.7	12.3-12.9	6.2624

serwatorium Krakowskiego" where ephemerides and predicted times of minimum for each year can be found.

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