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ADDITIONAL AND NEWLY-NAMED VARIABLES IN TWO  
OBJECTIVE-PRISM M-EMISSION-STAR LISTS

The extensive lists of discoveries of M-type stars showing hydrogen emission lines published some time ago by Stock and Wroblewski (1972) and Bidelman and MacConnell (1973) contain, as anticipated, many variable stars. In subsequent years a considerable number of additional objects in these lists have been discovered to be variable or given definitive names. Tables I and II list the Stock-Wroblewski and Bidelman-MacConnell objects that are, to the writer's knowledge, either recently discovered to be variable, recently named, or whose variable nature was not mentioned in the original lists.

Three of the objects classed as Me deserve special mention: S-W IId-8 and IId-17 are AS 283 and 295 respectively (Merrill and Burwell 1950). The former is considered a Be star by Herbig (1969) and Sanduleak (1976), while the latter exhibits He II  $\lambda 4686$  and H emission according to Bidelman and MacConnell (1973) and Sanduleak and Stephenson (1973). Further, the B-M object at  $\alpha = 9^{\text{h}} 35^{\text{m}}.8$ ,  $\delta = -40^{\circ}37'$  (1900) is undoubtedly the proper-motion star CoD -  $40^{\circ}5404 = \text{CPD} - 40^{\circ}3789 = \text{LHS } 2166 = \text{Gl } 358$  and is thus an Me dwarf rather than a Mira variable.

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TABLE I

ADDITIONAL AND NEWLY-NAMED VARIABLES  
IN STOCK AND WROBLEWSKI

Designation	Variable	Designation	Variable	Designation	Variable
Id- 2	V389 Ara	Id-72	MW Aps	IId- 68	V640 CrA
- 3	CN Ara	-74	CV Aps	- 73	V669 CrA
- 7	EX TrA	-75	EO Aps	- 74	V646 CrA
- 8	CP TrA	-77	V362 Car	- 75	V543 CrA
-10	V615 Ara	-79	CH Mus	- 77	V426 CrA
Id-13	V771 Ara	Id-82	FW Aps	IId- 78	V443 CrA
-15	CSV 4212	-84	YY Cha	- 79	CSV 4406
-16	ER TrA	-86	CSV 2246	- 80	CSV 4439
-20	NX Pav	-89	T Aps	- 84	V388 CrA
-23	V755 Ara	-90	WY Aps	- 85	V688 CrA
Id-25	HN TrA	Id-91	CL Cha	IId- 90	V423 CrA
-27	V631 Ara	-92	CSV 2118	- 91	V544 CrA
-28	V471 Ara	-93	GG Aps	- 93	V627 CrA
-30	FY TrA	-94	AC Aps	- 94	V671 CrA
-36	IS TrA	-95	CSV 7178	- 95	V685 CrA
Id-38	DS Mus	Id-96	BE Aps	IId- 99	CSV 3788
-40	TZ Aps	-97	CG Aps	-100	CSV 3802
-43	CSV 1318	IId- 4	OU Sgr	-101	OW Te1
-45	V351 Car	- 6	V2407 Sgr	-103	BH Ara:
-46	CSV 1678	-19	V3679 Sgr	-104	BN Ara
Id-47	BV 832	IId-34	V3873 Sgr	IId-105	V641 Ara
-49	CSV 1739	-35	V3434 Sgr	-106	TT Ara
-53	CE Aps	-40	V2833 Sgr	-107	CSV 3753
-54	DS Aps	-41	V3190 Sgr	-108	GV Te1
-55	CSV 1662	-44	V3551 Sgr	-109	NY Te1
Id-56	CSV 1706	IId-50	V3018 Sgr	IId-111	V Ara
-57	V352 Car	-52	V1165 Sgr	-112	CSV 3656
-58	CSV 1733	-54	V3366 Sgr	-113	CSV 4139
-59	CSV 1893	-55	V3746 Sgr	-115	BN Te1
-63	PR Car	-56	V2334 Sgr	-117	BV 1633
Id-64	V339 Car	IId-57	V2335 Sgr	IId-123	BE Te1
-65	CP Mus	-58	*	-124	BM Te1
-67	VZ Aps	-59	V1979 Sgr	-125	CSV 2916
-69	PQ Car	-62	GZ CrA	-127	PQ Ara
-71	CR Mus	-67	V434 CrA	-129	PQ Te1

\*V2337 or V3933 Sgr

TABLE I (cont.)

Designation	Variable	Designation	Variable	Designation	Variable
IId-131	CSV 2952	IIId-56	CSV 1513	IVd-111	CSV 1580
-133	V798 Ara	IVd- 3	V1353 Oph	-112	GQ Vel
-134	V561 Ara	- 4	CSV 2514	-113	GN Vel
-135	CSV 3462	-10	GM Sco	-115	CSV 2245
-143	V639 Ara	-15	V2100 Oph	-116	CSV 2266
IId-145	BG Tel	IVd-16	GM Oph:	IVd-118	CSV 1708
-146	V768 Ara	-19	V873 Sco	-120	CSV 1720
-149	SX Ara	-20	V860 Sco	-124	CSV 2296
-150	AY Tel	-21	CO Oph	-125	HH Lup
-151	V650 Ara	-22	CSV 2529	-127	CSV 1526
IId-156	CSV 3254	IVd-23	V857 Sco	IVd-131	CSV 1933
-162	V371 Ara	-25	V882 Sco	-139	CSV 1728
-163	CSV 2843	-37	U Lup	-141	V507 Cen
-164	V776 Ara	-38	V875 Sco	-146	CSV 2007
-170	DX Ara	-45	CSV 2286	-148	CSV 1585
IId-171	DZ Ara	IVd-47	CZ Sco	IVd-149	CSV 1714
IIId-14	V CMa	-50	AA Ant	-151	CSV 1992
-20	SY Col	-55	BF Hya	-152	BV 737:
-29	KW Car	-57	KR Sco	-155	CSV 2262
-31	V342 Car	-58	BH Hya	-157	CSV 1745
IIId-36	CSV 1445	IVd-65	AC Ant	IVd-158	CSV 1976
-38	IY Car	-71	V880 Sco	-166	CSV 1911
-39	KX Car	-80	V800 Cen	-169	CSV 1823
-44	UV Vol	-86	CSV 2308	-170	CSV 1726
-45	V346 Car	-89	CSV 2507	V - 65	U Sc1
IIId-46	CSV 1560	IVd-90	AD Ant	IIId-34	CSV 1283
-47	CSV 1614	-93	CSV 2070		
-48	UU Vol	-98	RS Ant		
-50	V335 Car	-102	BV 1378		
-51	CSV 6650	-107	CSV 2243:		

TABLE II  
 ADDITIONAL AND NEWLY-NAMED VARIABLES  
 IN BIDELMAN AND MacCONNELL

$\alpha(1900)$	Variable	$\alpha(1900)$	Variable
5 21.2	SV Lep	15 58.7	IS TrA
5 40.8	SX Pic	15 59.6	V864 Sco
6 24.4	SY Col	16 5.0	V872 Sco
6 38.6	V340 Car	16 6.5	V874 Sco
7 32.8	PP Pup	16 9.1	V894 Sco
7 56.9	NR Pup	16 18.9	IU TrA
8 13.1	NN Pup	16 22.2	PP Nor
8 17.7	UV Vol	16 34.6	V880 Sco
8 26.8	V342 Car	16 40.6	V629 Ara
8 30.1	V336 Car	16 40.9	V630 Ara
8 39.2	UU Pyx	16 50.3	GH Aps
8 41.4	UV Pyx	16 53.8	V614 Ara
9 24.8	ZZ Ant	17 3.7	V1482 Oph
9 33.2	ST Hya	17 9.7	V505 Oph
10 1.5	AA Ant	17 23.5	V638 Ara
10 10.8	GQ Vel	17 31.9	V619 Ara
10 17.1	AC Ant	17 33.0	V639 Ara
10 19.2	GR Vel	17 42.4	V640 Ara
10 25.7	AD Ant	18 24.6	V3841 Sgr
10 41.7	V335 Car	18 27.9	V670 CrA
11 4.0	V352 Car	18 31.7	NX Pav
11 29.4	CK Cha	18 36.7	NY Pav
11 32.4	BV 1208	18 38.6	NX Tel
12 18.5	EK Mus	18 58.6	NY Tel
13 44.0	V773 Cen	19 15.5	NZ Tel
14 13.0	IP Hya	19 27.0	V3881 Sgr
14 46.9	V799 Cen	19 30.5	V3882 Sgr
14 56.6	V776 Cen	19 33.4	V3883 Sgr
15 19.0	IP TrA	19 35.5	V3884 Sgr
15 22.1	GP Lup	19 50.3	NO Pav
15 33.3	HK TrA	19 51.7	V3887 Sgr
15 42.7	HL TrA	21 2.6	AV Ind
15 43.8	IR TrA	21 39.2	AH Cap
15 50.6	GR Lup	22 57.9	BR Tuc