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TWENTY LONG-PERIOD VARIABLES

The twenty Mira or SR type variable stars listed in Table I have been examined on Nantucket plates to ascertain if any of them have changing periods. The arrangement in the table is by right ascension. The periods given in the General Catalogue of Variable Stars for the named variables in Sagittarius had been obtained from Harvard plates spanning the interval 1924-1953. The new period-determinations have incorporated these earlier observations. None of the periods has changed significantly in the interval indicated in the penultimate column; the new periods are simply improvements over the previous values and they satisfy the old observations as well as the new.

The initials in the final column indicate who determined the new periods: SB, Sara Beck; DC, Deborah Crocker; DH, Dorrit Hoffleit; SS, Stephen Sands; and WW, Wendy Whiting.

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Table I.
Long Period Tested for Changes

Variable	JD ₀	Periods		Time Span	Comp.
		GCVS	New		
V1671 Sgr	39030	191	190.5	1924 - 1978	DC
V1672	43750	235	236	" "	DH
V1674	43310	195	Same	" "	DC
New A*	43330	-	283	1957 - 1978	SB
V1676 Sgr	41140	256	257	1924 - 1978	SB
V1677	41950	238	239	" "	DH
V1678	42650	213	212	" "	SB
V1679	42330	242	Same	" "	DC
V1681	41100	223	222	" "	SB
V1682	42310	192.25	Same	" "	SB
V1685	43350	266	Same	" "	DH
V1687	43375	186	186.3	" "	DH
V1688	42250	320	321	" "	SB
V1690	42580	291	Same	" "	DH
New B*	42275	-	232	1957 - 1978	SB
AA Sct	43700	153	263	1926 - 1978	WW
AP Sct	42960	104.6	Same	" "	WW
V540 Cyg	43250	-	361	1930 - 1978	SS
FP Lyr	43370	270:	278	" "	DC
CSV4713	43380	-	187.5	" "	SS

*A, Discovered by Sara Beck at 18^h25^m26^s - 26^o42:8,13.0- [15.2pg
B, " " " " " 18 30 31 - 25 29.5,14.6- [16.1