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NEW ELEMENTS FOR SS Ari

Observations of SS Ari made by BAV-members in the years 1965 to 1968 show large positive and increasing $O-C_1$ against elements given by E.N. KRAMER in Astron. Circ. 79, 9 Moscow 1949:

$$\text{Min} = \text{JD } 2430\ 948.318 + 0^d405\ 989\ 7 \cdot E .$$

The well observed minima (s. Table) - lead to the provisional elements

$$\text{Min} = \text{JD } 2439\ 028.395 + 0^d405\ 997\ 02 \cdot E .$$

These elements are instantaneous; residuals are given in the Table as $O-C_2$. They represent the BAV-observations well, but the starting point of KRAMER's elements is badly represented ($O-C_2 = +0^d076$). Therefore a change of period is supposed.

Time of min (JD 24.....)	Min.obs.	n	$O - C_1$	$O - C_2$
39 028.385	I Le	11	+0 ^d 060	-0 ^d 010
.389	I Br	14	+0.064	-0.006
029.608	I Ec	12	+0.065	-0.005
.610	I Br	13	+0.067	-0.003
053.362	II Br	21	+0.068	-0.002
055.394	II Br	14	+0.070	0.000
068.396	II Br	6	+0.081	+0.010
184.301	I Br	11	+0.076	+0.003
389.535	I Br	9	+0.082	+0.006
403.536	I Br	10	+0.076	-0.001
407.393	II Se	12	+0.077	-0.001
776.435	II Br	14	+0.074	-0.010
.436	II Hr	13	+0.075	-0.009
40 065.518	II Br	7	+0.092	+0.004

Observers are Br = W. Braune, Ec = W. Eckert, Hr = J. Hübscher, Le = P. Lehmann, Se = M. Seidl. n is the number of individual estimates used for timing the respective minimum.

A complete description of the observations shall be published in BAV-Rundbrief no. 2/1970.

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