

TABLE I. (Continued.)

J. D. Hel. M. T. Grw.	number of exposures	epoch and phase	mag.	J. D. Hel. M. T. Grw.	number of exposures	epoch and phase	mag.
2419300	8	P 127	m .487	2420017	6	P 265	m .207
'435	8	.492	'94	'355	6	.211	1'03
'454	9	.496	1'05	'373	6	.214	1'01
26'368	8	132	.438	'392	3*	.218	1'00
'384	4**	.441	'94	18'371	6	.405	'99
'412	7*	.446	1'03	'392	5*	.409	'98
2420002	6	261	.369	'412	6	.412	'97
'465	6	.371	1'04	21'317	6	.966	1'86
05'354	6	.922	1'08	'336	6	.970	(2'06)
'370	6	.925	1'06	23'356	6	265	.355
'387	6	.929	1'01	'370	6	.358	'96
'402	6	.931	'97	'386	6	.361	1'04
'421	6	.935	1'04	'401	7	.364	1'04
'435	6	.938	1'11	34'352	6	267	.452
'453	6	.941	1'15	'370	6	.456	1'05
'468	6	.944	1'22	'382	2	.458	1'01
06'392	6	262	.120	38'331	6	268	.211
'420	6	.125	1'03	'349	6	.214	1'06
'439	6	.129	1'03	'367	6	.218	1'03
'454	6	.132	1'04	'387	6	.222	1'00
07'383	6	.309	'98	'406	6*	.225	1'03
'397	6	.312	'96	'425	6	.229	1'00
'414	6	.315	'94	'441	6	.232	'99
'429	6	.318	1'01	'459	6	.235	'97
'446	6	.321	'96	40'331	6	.592	'98
'461	6	.324	'99	'349	6	.596	1'00
08'346	6	.493	1'02	'373	6	.600	'96
'360	4**	.496	1'06	'397	6	.605	1'05
'378	5	.499	1'12	42'287	5*	.966	2'00
'392	6	.502	1'05	62'290	6	272	.780
'427	4*	.508	1'09	'309	6	.784	'95
'461	6	.515	1'00	'330	6	.788	1'02
12'318	6	263	.250	'350	6	.792	1'08
'337	6	.254	1'03	'370	6	.795	'99
'362	6*	.259	'91	96'204	6*	279	.248
17'315	6	.203	'99	'226	6	.252	'91

TABLE 2.

number of plates	phase	mag.
	P	m
4	.032	1'91
4	.039	1'60
4	.060	1'13
4	.070	1'04
4	.077	1'08
4	.087	1'015
4	.093	1'03
4	.114	1'035
4	.141	1'025
4	.164	'99
4	.179	'985
4	.202	1'00
4	.208	1'01
4	.212	1'015
4	.214	1'00
4	.224	1'03
4	.241	'98
4	.254	'97
4	.258	'96
4	.264	'94
4	.305	'99
4	.315	'97
4	.325	'965
4	.350	'98
4	.360	'98
4	.366	'955
4	.391	1'01
4	.405	'96
4	.410	'98
4	.432	'95
4	.453	1'02
4	.463	'98
4	.481	'97
4	.493	1'03
3	.498	1'07

### Additional observations of S Arae, by *St. Szeligowski*.

In *B. A. N.* 88, 68 Dr. J. SCHILT has measured 204 plates of S Arae taken by Prof. E. HERTZSPRUNG at Johannesburg, while 12 other plates were reported as missing. These 12 plates have subsequently been found and were then measured by the writer in SCHILT's thermopile-microphotometer. The results, given in the same form as done by SCHILT, *l. c.*, are

1924 Oct. 3<sup>d</sup>.2456 P.9340 8'72; 8'89; 8'87; 8'96;  
8'98; 8'95; 9'24; 9'04; 9'12; 9'31; 9'08; 9'36

From these observations the following 2 normal points of 6 plates each are derived: P.953, 8<sup>m</sup>90 and P.999, 9<sup>m</sup>19, which fit satisfactorily into the diagram of SCHILT.

The time interval between two consecutive plates is 5 min. sidereal time, or in fractions of the period P.00766276.