

Summary of the principal radial velocity data used for the results of B. A. N. 120 and 132, by *J. H. Oort*.

The following three tables give a comparison of the observed average radial velocities (corrected for a solar motion of 20 *km/sec* towards 18<sup>h</sup>; + 30°) with those computed from the formula  $\bar{r}A \sin 2(l-l_0)$ . In each group the best fitting value of the constant  $\bar{r}A$  was determined by a least-squares solution and this result, which was used in calculating the column headed "Comp.", is shown as a bracketed number at the head of the column. In the latter calculation  $l_0$  has always been assumed to be 323°. In tables 1 and 3 the number of objects in each interval is given under *n*. Table 2 contains results from individual stars.

All the velocities given are in *km/sec*.

From the various groups of B stars all the stars known to have *c*-characteristics have been excluded.

The group headed "bright  $\delta$  Cep var.'s" consists of the 13 stars with well-determined and non-variable velocity curves, whereas the group "faint  $\delta$  Cep var.'s" comprises the stars with parallaxes between ".0005

and ".0008 which were investigated in the first note of the preceding article.

For all further details the reader is referred to *B. A. N.* 120 and 132.

TABLE 3. Planetary nebulae.

Galactic longitude	magn. < 14			magn. ≥ 14			magn. unknown		
	<i>n</i>	Obs.	Comp. (+10)	<i>n</i>	Obs.	Comp. (+41)	<i>n</i>	Obs.	Comp. (+25)
0°—30°	14	+ 3	+ 10	2	+ 65	+ 40	2	+ 20	+ 24
30—60	6	— 8	+ 3	2	— 33	+ 11	4	— 1	+ 7
60—90	5	— 29	— 7	1	— 31	— 28	1	— 86	— 17
90—120	3	+ 7	— 10	2	— 39	— 40	—	—	—
120—150	2	— 33	— 3	1	— 16	— 11	—	—	—
150—180	5	+ 6	+ 7	—	—	—	1	+ 34	+ 17
180—210	1	+ 44	+ 10	2	+ 66	+ 40	2	+ 41	+ 24
210—240	2	— 3	+ 3	1	+ 50	+ 11	—	—	—
240—270	7	— 11	— 7	1	+ 19	— 28	2	+ 22	— 17
270—300	2	+ 24	— 10	—	—	—	6	— 30	— 24
300—330	2	— 21	— 3	1	— 22	— 11	10	+ 1	— 7
330—360	11	+ 17	+ 7	7	+ 12	+ 28	2	0	+ 17

TABLE 1.

Galactic longitude	Bo—B2; 3 <sup>m</sup> .5—4 <sup>m</sup> .9			Bo—B2; 5 <sup>m</sup> .0—5 <sup>m</sup> .8			Bo—B2; 5 <sup>m</sup> .9—6 <sup>m</sup> .9			B3—B5; 3 <sup>m</sup> .5—4 <sup>m</sup> .9			B3—B5; 5 <sup>m</sup> .0—5 <sup>m</sup> .8			B3—B5; 5 <sup>m</sup> .9—6 <sup>m</sup> .9			<i>c</i> stars; <i>m</i> < 5.0		
	<i>n</i>	Obs.	Comp. (+3)	<i>n</i>	Obs.	Comp. (+13)	<i>n</i>	Obs.	Comp. (+15)	<i>n</i>	Obs.	Comp. (+4)	<i>n</i>	Obs.	Comp. (+11)	<i>n</i>	Obs.	Comp. (+16)	<i>n</i>	Obs.	Comp. (+9)
0°—15°	—	—	—	—	—	—	—	—	—	3	— 3	+ 4	2	+ 5	+ 1	—	—	—	1	+ 4	+ 9
15—30	—	—	—	2	+ 14	+ 11	1	+ 15	+ 13	4	+ 3	+ 3	1	+ 9	+ 1	—	—	—	1	— 3	+ 8
30—45	1	0	+ 2	—	—	—	—	—	—	5	— 3	+ 2	8	+ 3	+ 1	—	—	—	2	+ 4	+ 5
45—60	1	+ 24	+ 0	—	—	—	1	+ 17	+ 0	4	— 5	+ 0	5	0	+ 0	1	— 2	+ 0	2	+ 11	+ 0
60—75	—	—	—	4	— 4	— 6	—	—	—	5	— 5	— 2	6	+ 1	— 0	4	— 9	— 8	4	— 7	— 4
75—90	4	+ 2	— 3	—	—	—	1	— 36	— 13	3	— 1	— 3	2	— 20	— 1	0	— 14	1	— 33	— 8	
90—105	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	— 41	— 16	1	+ 8	— 9	
105—120	1	— 3	— 3	1	+ 18	— 11	—	—	—	4	+ 2	— 3	6	+ 1	— 1	1	— 4	— 14	3	— 3	— 8
120—135	—	—	—	1	— 3	— 7	—	—	—	2	— 7	— 2	4	0	— 1	—	—	—	3	— 6	— 5
135—150	—	—	—	—	—	—	—	—	—	—	—	—	2	+ 2	— 0	1	— 23	— 0	1	— 9	— 0
150—165	3	+ 7	+ 1	1	+ 16	+ 6	2	— 11	+ 7	6	+ 10	+ 2	6	+ 7	+ 0	—	—	—	2	— 8	+ 4
165—180	3	+ 7	+ 3	2	+ 20	+ 11	1	+ 11	+ 13	6	+ 8	+ 3	7	+ 2	+ 1	—	—	—	1	— 4	+ 8
180—195	1	+ 1	+ 3	2	+ 16	+ 13	—	—	—	1	+ 4	+ 4	6	+ 1	+ 1	—	—	—	1	+ 1	+ 9
195—210	3	+ 11	+ 3	—	—	—	—	—	—	6	+ 14	+ 3	3	— 13	+ 1	—	—	—	4	+ 9	+ 8
210—225	2	— 8	+ 2	—	—	—	—	—	—	1	+ 3	+ 2	1	— 8	+ 1	—	—	—	1	+ 22	+ 5
225—240	1	+ 2	+ 0	1	+ 1	+ 0	—	—	—	1	0	+ 0	3	+ 9	+ 0	—	—	—	1	+ 8	+ 0
240—255	—	—	—	—	—	—	—	—	—	7	0	— 2	1	+ 7	— 0	—	—	—	1	— 14	— 4
255—270	—	—	—	—	—	—	—	—	—	5	+ 9	— 3	1	+ 8	— 1	—	—	—	2	— 14	— 8
270—285	2	+ 7	— 3	—	—	—	—	—	—	5	— 1	— 4	1	— 2	— 1	—	—	—	—	—	—
285—300	1	— 3	— 3	—	—	—	—	—	—	2	— 9	— 3	—	—	—	1	— 4	— 14	—	—	—
300—315	—	—	—	2	— 16	— 7	—	—	—	2	— 2	— 2	3	+ 4	— 1	—	—	—	3	— 3	— 5
315—330	—	—	—	—	—	—	—	—	—	1	+ 5	— 0	2	+ 4	— 0	—	—	—	5	— 7	— 0
330—345	—	—	—	—	—	—	1	+ 5	+ 7	1	+ 10	+ 2	—	—	—	—	—	—	2	+ 4	+ 4
345—360	—	—	—	1	— 2	+ 11	—	—	—	1	+ 6	+ 3	4	0	+ 1	—	—	—	2	+ 20	+ 8

TABLE 2.

c stars; 5 <sup>m</sup> .0—5 <sup>m</sup> .8			c stars; m > 5.8			Bright δ Cep var.'s			Faint δ Cep var.'s			Oe 5 — B; 2 <sup>m</sup> .5—6 <sup>m</sup> .2			Oe 5 — B; 6 <sup>m</sup> .3—8 <sup>m</sup> .0			N; lat. < 30°		
Gal. long.	Obs.	Comp. (+ 14)	Gal. long.	Obs.	Comp. (+ 35)	Gal. long.	Obs.	Comp. (+ 11)	Gal. long.	Obs.	Comp. (+ 29)	Gal. long.	Obs.	Comp. (+ 10)	Gal. long.	Obs.	Comp. (+ 28)	Gal. long.	Obs.	Comp. (+ 17)
17	— 4	+ 13	30	+ 10	+ 25	8	+ 1	+ 11	4	+ 18	+ 29	53	+ 11	0	85	— 54	— 25	33	+ 22	+ 11
23	+ 9	+ 12	43	— 1	+ 12	40	+ 15	+ 5	25	+ 29	+ 24	55	+ 21	— 1	90	— 13	— 27	44	— 27	+ 5
41	+ 14	+ 6	45	— 6	+ 10	44	+ 26	+ 3	60	— 4	— 7	64	+ 7	— 4	109	— 35	— 26	51	+ 45	+ 1
43	+ 12	+ 5	68	— 7	— 18	73	— 4	— 7	133	— 30	— 10	67	+ 14	— 5	116	— 10	— 23	52	+ 27	+ 1
55	0	— 1	83	— 18	— 30	101	— 2	— 10	163	+ 26	+ 19	72	+ 2	— 6	138	— 2	— 5	76	+ 27	— 12
76	— 45	— 10	100	— 34	— 35	147	— 14	+ 2	170	+ 17	+ 23	111	+ 7	— 9	156	+ 11	+ 12	84	— 15	— 15
76	— 2	— 10	101	— 45	— 35	151	+ 11	+ 3	345	+ 16	+ 20	128	+ 60	— 5	170	+ 11	+ 23	109	+ 3	— 16
81	+ 14	— 12	101	— 34	— 35	164	— 5	+ 7				140	+ 50	— 1	172	+ 26	+ 24	145	+ 10	+ 1
83	— 47	— 12	102	— 38	— 35	251	— 10	— 6				162	+ 21	+ 6	173	+ 22	+ 24	164	+ 6	+ 11
83	+ 1	— 12	102	— 38	— 35	285	— 24	— 11				170	+ 17	+ 8	173	+ 19	+ 24	166	+ 11	+ 12
94	— 18	— 14	102	— 45	— 35	329	— 3	+ 2				172	+ 7	+ 8	173	+ 25	+ 24	220	+ 20	+ 7
98	— 16	— 14	102	— 6	— 35	330	— 19	+ 3				173	+ 14	+ 9				224	— 4	+ 5
103	— 12	— 14	103	— 44	— 34	347	+ 10	+ 8				177	+ 4	+ 9				266	— 41	— 15
112	+ 7	— 12	103	— 48	— 34							191	+ 44	+ 10				281	— 4	— 17
126	+ 16	— 8	103	— 23	— 34							206	+ 26	+ 8				349	— 25	+ 13
140	+ 17	— 1	103	— 39	— 34							334	+ 28	+ 4				351	+ 29	+ 14
140	— 14	— 1	103	— 41	— 34													353	+ 26	+ 15
144	+ 14	+ 0	103	— 48	— 34													357	+ 58	+ 16
255	— 11	— 10	103	— 44	— 34															
261	— 26	— 12	103	— 36	— 34															
261	— 27	— 12	109	— 14	— 33															
263	+ 2	— 12	215	+ 47	+ 21															
268	— 22	— 13	346	+ 11	+ 25															
300	— 15	— 10																		
338	+ 7	+ 7																		
341	+ 17	+ 8																		

## ERRATUM IN B. A. N. 127.

Page 50: The first formula for  $\Delta t$  by cause (B) should read:  $+ 22^s.7 (T + 1^m.709) + 43^s.7 S$ .

## ERRATA IN B. A. N. 132.

Page 81: Table 2, δ Cephei var.'s, last column: The value of  $A$  should be  $+ 21 \pm 12$  instead of  $+ 30 \pm 17$  (see the first note of the above article).

Idem, fourth column: the number should be 13 instead of 23.

Page 82: 5<sup>th</sup> Footnote to Table 3 change GERASMOVIĆ in GERASIMOVIC.

Page 83: In the twelfth line above Table 4 interchange the words "13 km/sec" and "of".

Page 87: In the second column, 7<sup>th</sup> line from bottom, after the word "larger" insert: and the mass of Mercury smaller.

After the number — ".0020 in the next line there should be a footnote referring to Dr. FOTHERINGHAM's article, *M. N.* 86, 419.

Page 88: 3<sup>rd</sup> Line below Figure 2 for  $\cos(l - 323^\circ)$  read  $\cos 2(l - 323^\circ)$ .

Page 89: In the footnote change "Mt Wilson results" into "more recent Lick results".