B.	C.P.D.	1900 α	1900 δ	θ	ρ	mag.	spec.	Remarks
	°	h m s	° ′	°	″			
256	26·5088	45 26	26 55	141	1·2	10·7 , 12·5	G5	
257	32·3514	46 12	32 38	3	6·5	9·0 , 11·5	F8	
258	23·5802	49 36	23 11	340	6·2	8·1 , 12·9	G5	
259	27·4827	50 8	27 52	188	5·2	10·6 , 13·6	F8	
260	28·4823	54 41	28 46	337	9·2	10·3 , 10·8	F5	
261	26·5139	54 56	26 25	345	6	10·7 , 12·2	F8	
262	30·3777	56 20	30 43	229	0·6	11·0 , 11·2	F8	
263	24·5211	56 50	24 11	276	0·6	8·4 , 10·4	G5	
264	27·4863	58 38	28 7	233	0·7	8·5 , 11·0	Fo	
265	29·3919	14 3 14	30 6	54	2·0	9·5 , 13·5	A2	
266	27·4891	3 22	27 26	173	4·5	11·8 , 12·2	F2	
267	28·4886	5 45	28 38	317	2·0	10·1 , 13·1	F8	
268	29·3933	6 3	29 26	88	2·0	9·6 , 13·1	Go	
269	32·3588	7 22	33 2	319	3·9	8·3 , 12·3	Ao	
270	29·3948	10 8	29 20	96	10·1	8·3 , 10·8	F2	AB
				104	1·9	10·8 , 13·3		BC
271	24·5288	15 27	24 24	119	0·6	11·2 , 11·2	F8	
272	25·5413	17 38	25 22	3	4·4	8·2 , 13·2	Fo	
273	25·5416	18 38	25 42	93	5·7	8·2 , 11·7	F5	
274	24·5346	30 20	24 9	337	0·7	8·4 , 12·4	Ko	
275	27·5023	34 14	27 34	310	2·1	10·6 , 12·9	G5	
276	26.5335	38 30	26 36	223	0·4	11·0 , 11·7	Fo	
277	28·5012	38 33	28 35	42	0·6	9·7 , 11·5	Fo	
278	26·5338	39 41	26 31	23	0·4	8·3 , 10·6	A3	
279	28·5020	41 8	28 21	38	4·9	9·5 , 10·8	Go	
280	26·5345	41 11	27 4	305	0·5	9·2 , 12·4	Ao	
281	26·5355	46 21	26 13	144	1·9	8·8 , 13·3	G5	
282	24·5395	48 16	24 48	266	5·8	9·2 , 15	Ko	
283	28·5050	51 56	28 10	251	0·5	9·6 , 9·9		
284	23·6042	54 48	23 38	242	0·2	10·8 , 11·3	Fo	
285	29·4072	55 10	29 14	28	3·6	8·8 , 12·8	Go	
286	25·5528	56 22	25 28	318	1·3	9·2 , 13·7	K5	

Observations of Eros, by *W. H. van den Bos.*

The following observations were made with the 26½-inch refractor of the Union Observatory. One revolution of the micrometer screw equals 9″·090. As the maximum distance which can be measured is only 3′, it is not always possible to measure angles and distances, even by means of a step star, but the accuracy of the chronograph transits and differences of declination will be sufficient as compared with the uncertainty in the coordinates of the comparison star. In using the latter method the observations were always made in the centre of the field of the eye piece by moving its slide. This cannot be done in the case of direct measures, as the star does not keep long enough on the wire.

Using the ephemeris in *Harv. Bull.* 834 the planet could not be located with the large telescope. Plates taken by Mr. WOOD with the Franklin Adams star camera on June 5 and 9 determined the correction to this ephemeris as + 38ˢ, + 5′20″, an unexpectedly large error for such a well known object as Eros, and which easily explains the failure to find it with the visual telescope. The ephemeris in "*Oppositions-Ephemeriden*", which starts at a later date, is nearly exact.

All observations except one have been made under good conditions, and Eros being between 11 and 12 magnitude is an easy object with this aperture. The observed differences, corrected for refraction, have been reduced to the beginning of the year as decided by the I. A. U.

Dr. SPENCER JONES kindly agreed to have the comparison stars observed with the Cape meridian circle; when the corrections to the adopted mean places become available the weight of the final results will be greatly improved.

I am indebted to Mr. W. M. WORSSELL for providing a chronograph.

Date 1926	U. T.	1926·0 α	1926·0 δ	1926·0 Δα	1926·0 Δδ	obs.	log. par. fact. α	log. par. fact. δ	C.P.D.
	h m s	h m s	° ′ ″	m s	′ ″				°
June 11	22 57 41	19 56 6·40	−32 18 17·5	+0 10·41·	+4 25·9	8p, 8d	9·452n	9·669	32 6065
» 17	19 58 58	19 47 50·05	−32 11 9·0	−0 11·88	−1 6·0	12p, 12d	9·757n	0·203n	32 6045
July 1	19 42 3	19 21 52·32	−31 26 59·5	−0 0·49·	−0 42·1	12p, 12d	9·659n	9·707n	31 6030
» 2	20 15 51	19 19 45·80	−31 21 50·6	+3 26·94	−1 9·5	10α, 10δ	9·578n	8·652n	31 5995
» 4	23 24 20	19 15 19·69	−31 10 6·7	+0 41·66	−3 36·6	12α, 12δ	9·126	9·838	31 5981
» 7	18 9 31	19 9 33·12	−30 52 53·9	−0 33·10	+5 1·8	12α, 12δ	9·734n	0·148n	31 5946
» 9	0 9 17	19 6 56·79	−30 44 32·4	+2 32·57	+0 7·6	16α, 16δ	9·484	9·273	30 5859
» 14	22 23 53	18 55 2·03	−29 59 37·6	−2 52·27·	−0 23·0	7α, 7δ	9·112	9·716	30 5798
» 15 *)	22 12 19	18 53 4·8	−29 51·4	−0 8·93·	+1 9·1	12p, 8d	9·060	9·713	29 5818
» 17	18 52 31	18 49 39·20	−29 35 22·3	−1 47·49·	−1 1·3	6α, 6δ	9·560n	9·367n	29 5797
» 17 **)	19 33 34	18 49 36·04	−29 35 7·6	−1 50·65	−0 46·6	15α, 15δ	9·432n	9·126	29 5797
» 18	18 36 17	18 47 51·25	−29 26 39·0	−0 3·79	+1 27·6	12p, 12d	9·581n	9·534n	29 5758

*) bad definition, measure unreliable.

**) eye and ear transits; chronograph failed.

Mean places of comparison stars, 1926·0

C.P.D.	1926.0 α	1926.0 δ	Cat.
°	h m s	° ′ ″	
32 6065	19 55 56.99	−32 22 43.4	Wsh 50, Wsh 60, C G A, Cp 80, Cor C, Alb 00
32 6045	19 48 1·93	−32 10 3.0	same
31 6030	19 21 52·81	−31 26 17·4	Cor B, Perth IV
31 5995	19 16 18·86	−31 20 41·1	same
31 5981	19 14 38·03	−31 6 30·1	same
31 5946	19 10 6·32	−30 57 55·7	Cor B
30 5859	19 4 24·22	−30 44 40·0	Nice 00, Cor B, Alb 00, Cp 00
30 5798	18 57 54·31	−29 59 14·6	Boss P G C (ζ Sgr)
29 5818	18 53 13·7	−29 52·6	C P D
29 5797	18 51 26·69	−29 34 21·0	Cor B, Alb 00
29 5758	18 47 55·04	−29 28 6·6	Yar 60, C G A, Cp 80, C G A II, Cor B, Alb 00, Cp 00, 2d Cp F 00.