REDISCOVERY AND OBSERVATIONS OF COMET 1889 V, 1896 VI (BROOKS)

1903.	Mt. Hamilton	M.T.	Star	No. of Comparisons	Comet-Star		Comet's Apparent		$\log p \Delta$	
					$\Delta\alpha$	$\Delta\delta$	α	δ	α	δ
Aug.	18	12 ^h 17 ^m 23 ^s	1	10, 6	-6.70	-0' 16".2	21 ^h 2 ^m 51.30	-27° 4' 18".8	9.137	0.892
	19	11 43 55	2	10, 6	-8.11	-3 55.7	21 2 7.02	-27 4 26.6	<i>n</i> 8.859	0.897
	22	10 55 30	4	8, 6	+0.93	+3 11.0	20 59 55.54	-27 3 42.2	<i>n</i> 7.593	0.898
	29	11 49 26	6	10, 6	-1.16	+3 15.0	20 55 22.57	-26 54 58.1	9.271	0.886
Sept.	11	9 19 34	7	8, 6	+13.81	+1 0.5	20 50 24.28	-26 13 48.7	<i>n</i> 8.398	0.896
	12	9 55 16	8	8, 6	+12.07	-1 10.5	20 50 13.61	-26 9 8.8	8.806	0.894
Oct.	16	7 48 7	11	8, 6	-23.08	-0 17.9	21 4 52.14	-22 8 50.0	8.667	0.878
	22	7 42 4	13	10, 8	+7.44	-0 26.8	21 11 9.77	-21 11 45.2	8.886	0.872
	23	7 41 59	15	8, 6	+9.00	+1 34.8	21 12 17.69	-21 1 58.6	8.884	0.871
	24	7 59 40	17	8, 6	-2.24	-2 24.1	21 13 28.73	-20 51 52.7	9.072	0.868

MEAN PLACES FOR 1903.0 OF COMPARISON STARS.

Star	α		Red. to app. place	δ		Red. to app. place	Authority
1	21 ^h	2 ^m 54.28	+3.72	-27°	4' 23".9	+21".3	Micrometer comparison with (3)
2	21	2 11.40	+3.73	-27	0 52.2	+21.3	" " " (3)
3	21	2 46.25	+3.72	-26	59 52.1	+21.3	Cordoba Gen. Catal. 28982
4	20	59 50.86	+3.75	-27	7 14.0	+20.8	Micrometer comparison with (5)
5	20	58 43.84	+3.75	-27	7 9.6	+20.8	Cordoba Gen. Catal. 28872
6	20	55 20.02	+3.71	-26	58 33.3	+20.2	Tucker. L.O. Mer. Circle. 2 obs.
7*	20	50 6.87	+3.60	-26	15 8.2	+19.0	Micrometer comparison with (9)
8*	20	49 57.95	+3.59	-26	8 17.2	+18.9	" " " (9)
9*	20	48 36.83	+3.61	-26	13 38.0	+19.0	Cordoba Zone Catal. 20.1533
10	21	3 2.13	+3.12	-22	4 26.4	+18.0	Weisse's Arg. Oe. 16630
11	21	5 12.09	+3.13	-22	8 50.2	+18.1	Micrometer comparison with (10)
12	21	9 26.72	+3.01	-21	11 11.8	+18.2	Cordoba Gen. Catal. 29142
13	21	10 59.32	+3.01	-21	11 36.6	+18.2	Micrometer comparison with (12)
14	21	10 6.67	+3.00	-21	3 16.2	+18.2	ϕ Capricorni. $\frac{1}{2}$ (Paris 29892 + Cord. Gen. Catal. 29161)
15	21	12 5.69	+3.00	-21	3 51.6	+18.2	Micrometer comparison with (14)
16	21	12 56.25	+3.00	-20	44 30.8	+18.3	Cordoba Gen. Catal. 29224
17	21	13 27.97	+3.00	-20	49 46.9	+18.3	Micrometer comparison with (16)

These observations were all made with the 36-inch refractor, $\Delta\alpha$ being, as usual, measured directly with the micrometer.

At the time of rediscovery, August 18th, the comet was found only a little north following the position predicted by Dr. Neugebauer's ephemeris in A.N. 3868, showing that the orbit is very well known. The comet on this date was faint and small, irregular in outline

and with but feeble condensation. Its greatest diameter did not exceed 3' and its brightness about equalled that of a 14th magnitude star. Its light has faded greatly during the two months covered by these observations, and on the last three nights it was a difficult object to measure even with the great telescope.

Nov. 25, 1903.

R. G. AITKEN.

* Star 7 — star 9 $\Delta\alpha = + 1^m 30.03$; $\Delta\delta = - 1' 30".2$.

Star 8 — star 9 $\Delta\alpha = + 1 21.12$; $\Delta\delta = + 5 20.8$.