The residual errors were

	Δl	Δb
II.	—21''9	+ 5''8
III.	—12.0	—48.4

and then I deduced the following definitive elements

$T =$	1824 July 11.51423 m.	Par. T.
π	260°18' 4''1	
Ω	234 20 41.0	} M. Eq. 1824.0
i	54 36 44.8	
$\log q$	9.771850	
	Retrograde.	

and thereby the normal places were represented in this manner always O.-C.:

	Δl	Δb
I.	—0''1	0''0
II.	—13.6	+ 4.1
III.	—12.2	—48.1
IV.	0.0	—0.1

Markree Observatory,
Collorney, Ireland, 1874, May 13.

Wm. Doberck.

Equatorial Observations of Henry's Comet made at the Durham Observatory. 1873.

1873.	Greenw. m. T.	$\Delta \alpha$	$\Delta \delta$	Number of Comps.	App. AR.	Log Factor of Parallax.	App. Decl.	Log Factor of Parallax.	Star.
Aug. 29	11 ^h 40 ^m 18 ^s .1	—1 ^m 16 ^s .60	—18' 23''5	6	8 ^h 8 ^m 51 ^s .74	9.496	+ 57°23' 26''7	0.885	a
30	12 49 54.1	—1 31.61	—16 2.3	6	8 17 23.91	9.653	+ 56 48 53.2	0.843	b
31	14 31 23.4	—4 30.06	+ 2.6	7	8 26 32.04	9.762	+ 56 7 41.7	0.740	c
Sept. 5	11 10 36.7	+ 2 10.24	+17 14.5	6	—	9.086	—	0.926	d
6	14 37 38.3	+ 55.01	—21 34.9	9	9 25 29.70	9.673	+ 49 38 11.8	0.812	e
7	10 41 12.9	+ 23.64	+ 9 12.0	10	9 34 40.40	8.280	+ 48 13 11.9	0.937	f
8	9 18 24.0	— 10.09	+ 9 26.0	6	9 45 12.66	9.236	+ 46 25 24.7	0.929	g
8	13 9 50.9	+ 1 39.19	—10 17.8	6	9 47 1.94	9.477	+ 46 5 40.9	0.901	g
10	12 35 49.9	—3 6.64	—20 28.9	6	10 9 42.68	9.287	+ 41 25 48.7	0.930	h

Assumed mean Places of Comparison Stars.

	Mean AR. 1873.0	Mean Decl. 1873.0	Authority.		Mean AR. 1873.0	Mean Decl. 1873.0	Authority.
a	8 ^h 10 ^m 7 ^s .90	+57°41' 54''0	Rad. Cat. 2119	e	9 ^h 24 ^m 34 ^s .28	+49°59' 49''9	Arg. (Oelt.) 9982
b	8 18 55.08	+57 4 59.2	Arg. (Oelt.) 8961	f	9 34 16.33	+48 4 2.9	Arg. (Oelt.) 10151
c	8 31 1.68	+56 7 42.7	Arg. (Oelt.) 9160	g	9 45 22.35	+46 16 1.4	Arg. (Oelt.) 10319
d	9 11 (10)	+51 0(10)	A. Z. + 51 No. 1494	h	10 12 48.96	+41 46 19.8	B. (W.) X. 227

Durham Observatory, 1874, May 6.

John J. Plummer.
Observ.

Inhalt:

- Zu No. 1996: *Haupt.* Ueber die Ablenkung des Loths in der Höhe und den dadurch herbeigeführten Fehler geometrischer Nivellements. 49. — *Spoerer.* Sonnenflecken und Protuberanzen; Resultate der Ortsvergleichung. 57.
- Zu No. 1997: *C. Powalky.* Bahnbestimmung der Virginia. 65. — *H. C. Vogel.* Beobachtungen des Planeten Flora (8) auf der Sternwarte zu Botlikamp. 73. — *Wm. Doberck.* Definitive Determination of the Orbit of Comet I. 1824. 75. — *John J. Plummer.* Equatorial Observations of *Henry's* Comet made at the Durham Observatory. 1873. 79.

Kiel 1874. Juni 16.

Druck von Fiencke & Schachel in Kiel.