Latitude of Markree Observatory by Meridian Observations.

E. J. Cooper, Esq., and Mr. Graham.

By Polaris, Above Pole.				By Quick Stars.			
		Colat.	Weight.		Colat.	Weight.	
1850.		° ' "		1850.	° ' "		
May	5	35 49 27.34	0.50	April	29	35 49 29.80	1.33
	6	28.07	2.22	May	1	28.43	2.10
	29	28.74	2.00		2	28.03	1.69
	30	27.795	4.00		3	26.845	0.67
	31	28.18	1.20		4	28.34	0.67
June	4	28.335	2.00		6	28.52	1.33
1851.					8	27.12	0.67
Feb.	8	35 49 28.685	2.00		15	28.325	0.50
Mean		35 49 28.198	13.92		21	28.89	2.22
By Polaris, S.P.					22	29.03	2.18
		Colat.	Weight.		30	28.50	1.20
1850.		° ' "			31	28.65	1.20
May	1	35 49 28.085	1.00	June	1	27.945	1.00
	2	28.28	2.00		5	28.69	0.50
	3	28.135	0.50		7	27.77	1.20
	4	29.045	2.00		15	28.725	0.75
	6	28.145	2.22		17	35 49 28.91	0.67
	8	27.86	1.43	Mean		35 49 28.493	19.88
	21	27.49	2.00				
	22	28.155	2.00				
	30	27.185	4.00				
	31	28.02	2.00				
June	1	35 49 28.535	2.00				
Mean		35 49 28.003	21.15				
Mean Colatitude.				Weight.			
By Quick Stars		35 49 28.493	19.88				
Polaris, Above Pole		28.198	13.92				
— S.P.		28.003	21.15				
Mean		35 49 28.230	54.95				
Latitude		54 10 31.77 North.					

On the Corrections of Lindenau's Elements of the Planet Mars.

By Mr. H. Breen, of the Royal Observatory, Greenwich.

The great attention given for the last twenty years by the Astronomer Royal to planetary observations at Cambridge and Greenwich, has furnished means for determining the corrections of the elements of all the large planets with great accuracy; and with regard to the planet *Mars*, the historical interest attached to it ought, as Lindenau observes, to be a sufficient inducement to