XLIV. On the opposition of the Minor Planets

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dried specimen; in the recent state, the knotted appearance is not distinguishable: he has also drawn it with the palms turned nearly to the earth, instead of placing them with the thumbs to the ground and the palms presenting backwards. In the recent English translation of Baron Cuvier's *Règne Animal*, Dèsmarest's figure is copied, but is rendered vastly more incorrect and unnatural than it is in the original.

Note.—In my Note on the genus *Condylura* recently published, it is stated that the Scalops has the integuments continued over the cartilaginous tube leading to the internal ear. I lately had an opportunity of examining several fine specimens, and have found the very small meatus auditorius externus, which will admit a body of the size of a common pin. It is by no means easily discovered, and is situated about three-fourths of an inch behind the eye, nearly over the anterior part of the shoulder joint.

XLIV. On the Opposition of the Minor Planets. By STEPHEN GROOMBRIDGE, Esq. F.R.S. &c. &c.

HAVING computed the apparent places of these planets about the time of their respective oppositions in preceding years, from elements which required correction in the mean epoch of longitude on the orbit; particularly in Pallas, whose mean diurnal tropical motion had been assumed too great a quantity: I have now corrected their elements from the observations made at Greenwich in the last year; and the following Ephemeris will show their apparent places at midnight for 1826.

	Opposition.		Anomaly.	Dist. from $\odot = 1$
Pallas . . .	June 23d at 17 ^h 28'	329° 26'	2.563	
Ceres . . .	June 28th 23 59	311 16	1.886	
Vesta . . .	August 18th 15 20	256 35	1.291	
Juno . . .	November 1st 10 23	166 19	1.023	

Pallas will appear very faint, being so distant from the earth; but Vesta and Juno being in the lower part of their orbits, will appear as stars of 6th and 7th magnitude.

Blackheath, April 19, 1826.

S. GROOMBRIDGE.

Ephemeris

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Ephemeris at Midnight.

PALLAS.					CERES.				
1826.	R			Dec. N.	1826.	R			Dec. S.
	h	'	"	o		h	'	"	o
May 31	18	24	40	23 $8\frac{1}{2}$	June 12	18	51	17	26 46
June 1		23	58	13	13		50	57	51
2		23	16	17 $\frac{1}{2}$	14		49	36	55 $\frac{1}{2}$
3		22	33	22	15		48	45	27 0
4		21	49	26	16		47	53	5
5		21	5	30	17		47	0	9 $\frac{1}{2}$
6		20	20	33 $\frac{1}{2}$	18		46	6	14
7		19	34	36 $\frac{1}{2}$	19		45	11	18 $\frac{1}{2}$
8		18	47	39 $\frac{1}{2}$	20		44	16	23
9		18	0	42	21		43	20	27 $\frac{1}{2}$
10		17	13	44 $\frac{1}{2}$	22		42	23	32
11		16	25	47	23		41	26	36
12		15	37	49	24		40	29	40 $\frac{1}{2}$
13		14	48	50 $\frac{1}{2}$	25		39	31	44 $\frac{1}{2}$
14		13	58	51 $\frac{1}{2}$	26		38	33	49
15		13	8	52 $\frac{1}{2}$	27		37	35	53
16		12	18	53	28		36	36	57
17		11	28	53 $\frac{1}{2}$	29		35	37	28 1
18		10	38	53 $\frac{1}{2}$	30		34	38	5
19		9	48	53 $\frac{1}{2}$	July 1		33	39	9
20		8	58	53	2		32	40	12 $\frac{1}{2}$
21		8	7	52	3		31	42	16
22		7	16	51	4		30	44	20
23		6	25	49 $\frac{1}{2}$	5		29	46	23 $\frac{1}{2}$
24		5	34	48	6		28	48	27
25		4	43	46	7		27	50	30
26		3	53	43 $\frac{1}{2}$	8		26	53	33 $\frac{1}{2}$
27		3	3	41	9		25	57	36 $\frac{1}{2}$
28		2	13	38 $\frac{1}{2}$	10		25	1	40
29		1	23	35 $\frac{1}{2}$	11		24	6	43
30		0	34	32	12		23	11	46
July 1	17	59	45	28	13		22	17	49
2		58	57	24	14		21	25	51 $\frac{1}{2}$
3		58	9	20	15		20	33	54
4		57	21	15 $\frac{1}{2}$	16		19	42	56 $\frac{1}{2}$
5		56	34	10 $\frac{1}{2}$	17		18	52	59
6		55	48	5 $\frac{1}{2}$	18		18	3	29 1 $\frac{1}{2}$
7		55	2	23 0 $\frac{1}{2}$	19		17	14	4
8		54	17	22 55	20		16	26	6 $\frac{1}{2}$
9		53	33	49	21		15	40	8 $\frac{1}{2}$
10		52	49	43	22		14	55	10 $\frac{1}{2}$
11		52	6	36 $\frac{1}{2}$	23		14	11	12 $\frac{1}{2}$
12		51	24	30	24		13	29	14 $\frac{1}{2}$
13		50	42	23	25		12	48	16 $\frac{1}{2}$

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Ephemeris at Midnight.

VESTA.				JUNO.			
1826.	R			1826.	R		
	h	'	"		h	'	"
July 24	22	23	14	Oct. 12	3	1	14
25		22	41	13		0	52
26		22	7				South.
27		21	32	14		0	29
28		20	57	15		0	6
29		20	20	16	2	59	41
30		19	41	17		59	16
31		19	2	18		58	51
Aug. 1		18	21	19		58	24
2		17	38	20		57	55
3		16	54	21		57	24
4		16	9	22		56	51
5		15	22	23		56	17
6		14	33	24		55	42
7		13	44	25		55	5
8		12	53	26		54	28
9		12	2	27		53	50
10		11	11	28		53	11
11		10	19	29		52	32
12		9	26	30		51	53
13		8	33	31		51	12
14		7	39	Nov. 1		50	31
15		6	44	2		49	50
16		5	49	3		49	9
17		4	54	4		48	27
18		3	58	5		47	45
19		3	2	6		47	3
20		2	6	7		46	21
21		1	10	8		45	39
22		0	14	9		44	57
23	21	59	18	10		44	16
24		58	23	11		43	35
25		57	28	12		42	55
26		56	34	13		42	15
27		55	40	14		41	36
28		54	46	15		40	58
29		53	53	16		40	20
30		53	0	17		39	44
31		52	8	18		39	10
Sept. 1		51	16	19		38	36
2		50	26	20		38	3
3		49	37	21		37	31
4		48	49	22		37	0
5		48	3	23		36	30
6		47	19	24		36	0
7		46	37	25		35	31