ſtanding Waters. In a ſmall breeding Pond nigh my Houſe, where I had formerly plenty of ſmall Carp and Tench every Year, and of late ſcarce any young Breed to be met with, my Gardener not long ago obſerved one of the *Squillæ*, with a Carp in its Mouth almoſt as large as itſelf; and has ſince obſerved theſe Inſects hunting amongſt the Weeds, and vigorouſly purſuing the ſmall Fry. I order'd the Gardener to catch ſome of theſe Inſects, and bring them home alive, with ſome of the ſmalleſt Fiſh he could meet with. We put them together in a large Baſon of Water. The Inſects were ſo rapacious, that they fell upon the Fiſh immediately, and deſtroy'd ſeveral in my Sight; and before Morning had devoured all that were in the Baſon.

North-Bierley,
Sept. 5, 1733.

RICHARD RICHARDSON.

III. *Schema* Eclipſeos Solaris *paulo ante ſolis occaſum obſervatæ*, *Vitembergæ Saxonum* Die II^do Maii *Stil. veter. A. Chr.* CIↃ IↃ CC XXXIII. *A* Joh. Frider. Weidlero *LL. D. Mathem. Superior. Prof. Ordin.* ℞. *S. S.*

Phaſes creſcentis Eclipſeos.

		H.	M.	S.	
Initium, 2 *Maii.* St. V.		6	36	5	Poſt Mer.
1 Digitus			39	50	
2 Digiti			45	5	
					Digit.

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Digit.	H.	M.	S.	
3	6	48	50	Post Mer.
4		52	50	
5		58	5	
6	7	2.	50	
7		7	50	
8		10	50	
9		15	50	
10		19	50	
11		29	20	

Sol ſubit nubes tenues

Phaſes decreſcentis Eclipſeos.

10 Digit.	7	35	50
9		40	50
8		44	50
Sol occidit		46	5

ANNOTATA.

1. Circulus in Tabulâ annexâ delineatus refert imaginem ſolis, ea magnitudine, qua in helioſcopii fundo fuit depicta.

2. Lumen ſolis, prope lunæ orbem, quod nunquam non in aliis Eclipſibus ſolaribus tam prope horizontem, quam ſub majore altitudine viſis vehementi motu & undulatione gaudere animadverti, in hoc deliquio quietum prorſus & tranquillum fuit.

3. Orbis lunæ, in primis quoad partem occiduam, in phaſibus paulo ante Solis occaſum notatis, aſperitatem manifeſtam, omnibus hujus phænomeni ſpectatoribus, prodidit; erant tamen intervalla, quibus ju-

ga

ga montium lunarium diſtinguebantur, nec lata admodum nec profunda. Adhibita ſcala ſubtiliter diviſa, æſtimavi profunditatem unius vallis $\frac{1}{200}$ ſive partem ducenteſimam diametri lunæ.

4. Ultimæ phaſes decreſcentes per tenues nubes viſæ fuerunt, neque tamen ultra undecim diſci ſolis uncias nobis luna occultavit.

5. Centri ſolis occaſus pro horizonte Vitembergenſi calculo tum fuerat repertus, $7^{h.}$ $39^{m.}$ $49^{ſe.}$ adeoque refractione radiorum in nubibus horizontis propemodum ſex minutis fuit retardatus.

IV. *An Abſtract of the* Meteorological Diaries, *communicated to the* Royal Society; *with Remarks upon them. By* W. Derham, *D. D. Canon of* Windſor, *F. R. S.* [PART II. Vide *Tranſact.* N° 429.]

PART III. *Containing Meteorological Obſervations made at*

Berlin		1726.
Sweden	Lunden	
	Bettna	
	Upſale	
	Bygdea	
	Pithea	

AN Abſtract of *Meteorological Obſervations* made in the Year 1726, at *Berlin*, by the Society there, and communicated by *Joh. Theod. Jablonski*; and in *Sweden*, at *Lunden*, by *Conrad Queuſel*, Mathematick Profeſſor in the *Caroline* Academy;