Lunæ ad fixas Appulſus, *Derbiæ* Anno 1674. obſervabiles, ab Ephemeride Doctiſſimi D. *Heckeri* deducti, & brevibus notis deſcripti à *J. Flamſtead.*

1673.

Januarii.

6. 4^h-53' *p.m. Luna in* ♉ 14°-00' *latitudo Septentr.* 5°-16'. *Fixæ ibi* 4°-08' *horoſcopus* ♌ 6. *Ergo tunc Luna fixam ſub Auſtrino limbo teget, vel modico ab ea intervallo diſtabit.*

7. 16^h-07' ☽æ *in* ♊ 3°-37'. *latitudo* 4°-50'; *fixæ* 3°-57' *Sept. horoſcopus* ♐ 4°. *Ergo Luna occidit priuſquam fixam aſſequatur, à qua tamen, cum eadem viſibili fere latitudine occaſura, limbus ejus orientalis diſtabit ſummùm* 15' *ſcrup.*

10. 4^h-32. ☽æ *in* ♋ 9° 37' *latitudo* 2°-36' *Sept. fixæ* 1°31' *oriente* ♌ 6°. *Ergo lunæ limbus Auſtrinus paulò ante Solis occaſum vel fixam tanget, vel modico interpoſito intervallo præter-tranſibit.*

11. 5^h-12' ☽æ *in* ♋ 25°-00' *latit. borea* 1°-07'. *fixæ* 1°-15' *horoſcopus* ♌ 14°½: *Ergo lunæ limbus boreus, ſemihorâ circiter ante Solis occaſum, tranſit ferè* 30' *infra fixam.*

Eadem noctè 17^h 14' *p.m. digiti* 9' *cum parte digiti tertia lunaris corporis obſcurantur; & deinceps, horâ nim.*

19^h 33', *Luna erit in* ♌ 4°-11' *cum latitudine Borea* 0°-28'. *Fixæ ibi latitudo eſt* 0°-04' *merid. Propterea tunc Lunæ limbus orientalis in eadem cum fixa Azimutha conſpicietur, cujus limbus proximus ab ea diſtabit.*

16' *circiter: utilius phainomenon; quippe vix ab umbris terræ Luna liberabitur, cùm ejus ab hac fixa diſtantia, tubis capacioribus commodè menſurari poſſit. Vigilate bene inſtructi Cœliſpices.*

12. 19^h-27' ☽ *in* ♌ 18°-54'. *latitudo Sept.* 1°-07'. *fixæ* 1°-15' *horoſcopus* ♑ 22°. *Lunæ ergo, circa Solis ortum eandem cum fixa longitudiem aſſecutæ, limbus auſtrinus ab ea diſtabit ſcrupulos circiter* 30'.

29. 6^h-37' ☽r *in* ♓ 22.08 *lat. Sept.* 3°-36'. *fixæ,* 3°-25'. *horoſcopus* ♍ 11. *Ergo ſub occaſum* ☽æ *hora* 7^h-50'. *fixa erit aliquantulum in antecedentia centri Lunæ & limbo boreo borealior.*

Februarii.

2. 11^h-57' ☽ *locus* ♉ 14°-00'. *latitudo ejus* 5°-14' *bor. fixæ lat.* 4°-08'. *horoſcopus* ♏ 9. *Ergo luna occaſura dimidium gradûs in antecedentia fixæ cum tanto majori latitudine conſpicienda.*

3. 9^h-19'. *Luna cum lucida Pleiadum latitudinem habet* 5°-03'. *Sept. oriente* ♎ 12: *quamobrem poſt ſeſquihoram borealiores Pleiadum medio corpore & limbi obſcuri abſcondet, ſed occidentalem, lucidam, & in cuſpide ad ortum illibatus prætertranſibit.*

6. 07^h-39'. *Luna in* ♋ 5°-25' *latitudo* 2-54' *Sept. fixæ* 2°-11' *horoſcopus* ♍ 27. *Ergo luna circa* 7¼ *p.m. fixam abſcondet lucis tertiæ in Auſtrali parte limbi obſcuri.*

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11. 6^h-48'. ☽* in ♍ 19°-44'. *latitudo* 3°-24'. *Auſt*; *fixa* 3-47. *horoſcopus* ♍ 21½ : *propterea limbus Lunæ orientis*, *fixæ proximus in conſequentia ejus* 35 *ſaltem ſcrupulos conſpicietur.*

13. 10^h-4'. ☽* *in* ♎ 21°-38'. *lat.* 5°-00'; *fixæ* 6-16 *Meridionalis*; *horoſcopus* ♏ 3 : *propterea lunæ orientis limbus proximus diſtabit circiter* 40' *ſcrupulos.*

16. 17^h-07'. ☽* *in* ♐ 5°-56'. *latitudo* 4°-39'; *fixa* 5°-50' *Auſtralis*; *horoſcopus* ♑ 27° : *Luna propterea aliquantulum in conſequentia fixæ videbitur*, *à qua tamen limbus ejus auſtralior haud longè diſtabit.*

Martii.

3. 6^h-07'. ☽* *in* ♊ 3°-04'. *latitudo* 4°-23'; *fixæ* 3°-57' *Sept.* *horoſcopus* ♍ 27. *Ergo luna circa horam ſeptimam ſuperiori parte limbi obſcuri ſubteget fixam.*

15. 13^h-37. ☽* *in* ♏ 28°-28'. *latitudo* 4-41 ; *fixa* 5°-22'. *horoſcopus* ♐ 24. *Ergo luna ſub ejus occaſum*, *ſuperiori parte limbi lucidi aſſequetur fixam lucis tertiæ.*

Aprilis.

3. 7^h-19'. ☽* *in* ♋ 25°-00'. *latitudo* 0°-56'. *Sept*; *fixa* 1°-15'. *horoſcopus* ♎ 29. *Lunæ propterea tunc in eadem cum fixa fere longitudine*, *limbus boreus ab ea diſtabit* 34' *ſummùm.*

9. 7^h-29'. ☽* *in* ♎ 21°-38'. *latitudo* 4-50 *Auſt*; *fixæ* 6-16. *horoſcopus* ♏ 5. *Ergo lunæ orientis limbus inferior à fixa diſtabit ſaltem* 30'.

Maii.

22. 15^h-29'. ☽* *in* ♉ 15^h-00'. *latitudo Sept.* 5-00 ; *fixæ* 4-08. *horoſcopus* ♊ 5: *propterea luna oriens fixam medio limbi lucidi occupabit.*

Julii.

3. 10^h-07'. ☽* *in* ♐ 5°-15'. *latitudo Auſtralis* 4°-17'; *fixæ Antaris* 4°-27'. *horoſcopus* ♓ 17. *Ergo lunæ limbus altior tranſit* 30 *ſaltem infra Antaren*, *hora* 10½ : *Et ſeſquihora pòſt*, *lunæ occidentis limbus tranſit fere* 30' *ſupra ſequentem fixam in* ♐ 5-56. *cum latitudine auſt.* 5-50.

20. 14^h-2'. ☽* *in* ♋ 9°-37'. *latitudo* 1°-46'; *Sept. fixæ* 1°-31'. *oriente* ♋ 13½. *Ergo luna recens exorta ſtellam aliquantulum prætergreſſa eſt*, *à qua tamen limbi vel cornu lucidi diſtantia*, *ſatis forſan commodè capi poteſt.*

Auguſti.

8. 8^h-59'. ☽* *in* ♓ 22°-08'. *latitudo Sept.* 4°-08'; *fixæ* 3-25. *punctum oriens* ♉ 3½ : *Ergo luna paulò poſt* 8^h. *boreali parte limbi lucidi conteget fixam.*

12. 16-27. ☽* *in* ♉ 14°-00'. *latitudo* 5°-03'. *bor*; *fixæ* 4°-08'. *horoſcopus* ♌ 25; *quamobrem circa* 17 *hor. lunæ limbus auſtrinus tranſibit paulò ſupra fixam.*

13. 14^h-33′. *luna in ♉ 25°-28′. latitudo 4°-41′. Pleiades 4°-00′. punctum oriens ♌ 5¾. Propterea circa 13 hor. luna medio limbi lucidi abſcondet occidentalem lucidiorem, & circa 14 hor. ipſam lucidam, medio nimirum inferioris limbi lucidi quadrantis.*

16. 15^h-24′. ☽* *in ♋ 5°-25′. latitudo 2°-07′. bor; fixa 2°-11′. horoſcopus ♌ 17⅔. Ergo lunæ limbus ſuperior tranſit 30′ circiter infra fixam hor. 14½.*

Septembris.

4. 15^h-09′. ☽* *in & Solis in ♐ 22°-08′. latitudo 4-06; fixa 3°-25′. Sept. horoſcopus ♌ 25½. Ergo ante occaſum ſuum luna abſcondet fixam, infra lineam, per centrum ejus, Eclipticæ ductam parallelam.*

23. 6^h-2′. ☽* *in ♐ 5°-15′. latitudo 3°-54′. fixa 4°-27′. merid. horoſcopus ♈ 25⅔. Ergo lunæ limbus ſuperior circa 6½ p.m. tranſit paulo infra Antarem; ſi non ipſam abſcondat.*

Octobris.

7. 17^h-53′. ☽* *in ♊ 3°-34′. latitudo Sept. 3°-55′; fixa 3°-57′ horoſcopus ♎ 15: Luna propterea in eadem cum fixa longitudine circa Solis ortum limbus boreus ab ea diſtabit 17′ circ.*

Novembris.

3. 8^h-57′. *luna in ♉ 25°-28′. lat. Sept. 4° 16′. Pleiadum lucidæ tantum 4-00′. horoſcopus ♌ 0½. Ergo paulo ante octavam ☽ ſubteget auſtraliſſimam Pleiadum limbo auſtrino, & ſemihorâ poſt, infra lucidam ibit 5 min. Dignius Phænomenon, quippe luna in oppoſitu Solis verſatur.*

5. 8^h-27. ☽* *in ♊ 20°-55′. latitudo 2°-36′; fixa 2°-28′. Sept. horoſcopus ♋ 26½. Ergo circa 7½ lunæ limbus ſuperior ibit infra fixam ſaltem 20′ min.*

30. 17^h-03′. *luna rurſus cum lucida Pleiadum latitudinem habet borealem 4°-17′. oriente ♏ 14°: quamobrem limbus ejus ſuperior mox ibit infra occidentalem lucidiorem 15. & occaſura diſtabit tantundem fere à lucida.*

Decemb.

2. 16^h-02′. ☽* *in ♊ 20°-55′. latitudo 2°-55′. bor; fixa 2°-28′. horoſcopus ♏ 5½: Ergo lunæ limbus ſuperior circa horam 17½ ibit 15 min. fere infra ſtellam, in ☍ ☉.*

27. 4^h-07′. *luna in ♉ 14°-00′. latitudo borea 4°-52′; fixa 4°-08′. horoſcopus ♋ 21. Luna propterea ſtellam longitudine jam ſuperavit, a quâ tamen ejus diſtantiam, tubo capaciori, dummodo permittat cælum, metiri licebit.*

Reliquorum

Reliquorum quinque Planetarum ad Fixas appulſus Anno 1674. obſervabiles ab iiſdem Ephemeridibus deducti à *J. Flamſtead.*

		h.	Loci planet. s. ° ′	Latitud. ° ′	Diſtantiæ à fixis in longit. ′	Latitudine
	7	6 manè	♂ in ♐ 17--28	0--08 Auſt.	2 in conſequentia 28 ♏ii cum	0--28 Auſt.
Januar.	8	6 manè	♂ ♐ 18--11	0--08 Auſt.	4 in antecedentia 29 ♏ii cum	0--37 Auſt.
	12	6 manè	♀ ♑ 10--16	0--09 Bor.	15 in antecedentia 8 ♐ii cum	0--50 Bor.
	26	6 manè	♀ ♑ 27--45	0--28 Auſt.	31 in antecedentia 8 ♑	0--52 Auſt.
	30	6 manè	♀ ♒ 2--45	0--36 Auſt.	24 in antecedentia 10 ♑	0--51 Auſt.
	4	6 manè	♀ ♒ 8--51	0--47 Auſt.	33 in antecedent. 19 ♑	0--18 Auſt.
Febr.	7	6 manè	♀ ♒ 12--38	0--53 Auſt.	32 in antecedent. 20 ♑	0--23½ Bor.
	15	6 veſp.	♄ ♈ 13--27	2--20 Auſt.	cum 14 ♓ium & latitudine	0--49 Auſt
	22	6 manè	♀ ♓ 1--20	1--17 Auſt.	24 in conſequent. 15 ♒	0--07 Auſt.
	19	6 manè	♂ ♒ 9--02	1--08 Auſt.	21 in ant. 19 ♑	0--39 Auſt.
Martii	25	6 manè	♂ ♒ 13--27	1--13 Auſt.	17 in conſ. 20 ♑	0--04½ Auſt.
	6	8 veſp.	☿ ♉ 16--46	2--46 Bor.	28 in conſ. 9 ♈	1--00 Bor
	7	8 veſp.	☿ ♉ 17--35	2--47 Bor.	8 in conſ. 10 ♈	0--03 Auſt.
Aprilis	9	8 veſp.	☿ ♉ 18--51	2--47 Bor.	2 in ant. 11 ♈	0--11 Bor.
	9	6 manè	♂ ♒ 24--32	1--28 Auſt.	16 in conſ. 16 ♒ii	0--32 Bor.
	18	5 manè	♂ ♓ 1--08	1--35 Auſt.	13 in conſ. 15 ♒ii	0--25 Auſt.
	21	8 veſp.	♃ ♏ 13--27	1--18 Bor.	cum 5 ♎ &	0--04 Bor.
	30	4 manè	♂ ♓ 9--53	1--46 Auſt.	10 in ant. 24 ♒ii	0--22 Auſt.
	4	4 manè	♂ ♓ 12--51	1--49 Auſt.	10 in conſ. 25 ♒	0--49 Auſt.
Maii	15	8 veſp.	♃ ♏ 10--33	1--14 Bor.	cum 1 ♎æ	0--48 Bor.
	23	8 veſp.	♃ ♏ 9--45	1--13 Bor.	1 in ant 2 ♎æ	0--42 Auſt.
Junii	5	9 veſp	♀ ♋ 9--19	1--03 Bor.	21 in ant. 21 ♊orum	0--28 Auſt.
	16	4 manè	♂ ♈ 13--29	2--17 Auſt.	1 in conſ. 14 ♓um	0--46 Auſt.
	18	9 veſp.	♀ ♋ 25--13	1--23 Bor.	14 in conſ. 8 ♌	0--07 Bor.
	24	4 manè	♂ ♈ 18--53	2--20 Auſt.	7 in conſ. 16 ♓ium	0--43 Bor.
		9 veſp.	♀ ♌ 2--32	1--29 Bor.	18 in ant. Præceptis ♋i	0--15 Bor.
	29	4 manè	♂ ♉ 10--26	2--23 Auſt.	cum 14 ♈ii	0--57 Auſt.
	11	9 veſp.	♀ ♌ 23--14	1--33 Bor.	10 in ant. 16 ♌nis	0--37 Auſt.
	13	9 veſp.	♀ ♌ 25--40	1--32 Bor.	20 in conſequentia Cord. ♌i	1--05 Bor.
Julii	25	9 veſp.	♀ ♍ 10--14	1--20 Bor.	13 in conſ. 38 ♌i	0--00
	26	8 veſp.	♃ ♏ 9--42	0--57 Bor.	2 in ant. 2 ♎ &	0--58 Auſt.
	28	9 veſp.	♀ ♍ 13--32	1--17 Bor.	19 in conſ. 24 ♌ii	0--23 Auſt.
	4	8 veſp.	♃ ♏ 10--37	0--55 Bor.	4 in conſ. 1 ♎ & lat.	0--29 B. ver.
	4	8 veſp	♀ ♍ 22--16	1--04 Bor.	19 in ant. 5 ♍	0--21 Bor.
Auguſt.	11	8 veſp.	♀ ♎ 00--43	0--47 Bor.	24 in conſ. 6 ♍	0--38 Auſt.
	25	8 veſp.	♃ ♏ 13--25	0--50 Bor.	3 in ant. 5 ♎	0--24 Bor.
	28	7 veſp.	♀ ♎ 21--03	0--02 Auſt.	16 in conſ. 18 ♍	0--17 Bor.
	15	5 manè	☿ ♍ 14--28	1--02 Bor.	16 in conſ. 24 ♌	0--38 Auſt.
Sept.	18	6 veſp.	♀ ♏ 15--56	1--15 Auſt.	24 in ant. 18 ♎	0--33 Bor.
	26	6 veſp.	☿ ♎ 0--00	1--54 Bor.	9 in ant. 6 ♍	0--29 Bor.
	28	6 veſp.	♀ ♏ 27--40	1--50 Auſt.	22 in ant. 2 ♏ii	0--04 Bor.
Octob.	15	6 veſp.	♃ in ♏ 23--03	0--42 Bor.	7 in ant. 11 ♎	0--40 Bor.
	31	5 veſp.	♀ ♑ 5--09	3--01 Auſt.	4 in ant. 6 ♐ii	0--49 Bor.
	2	5 veſp.	♀ ♑ 7--21	3--02 Auſt.	33 in ant. 5 ♑	0--29 Bor.
Novem.	11	5 veſp.	♀ ♑ 16--59	3--00 Auſt.	30 in ant. 16 ♐	0--08 Bor.
	17	6 veſp.	♂ ♉ 16--21	1--01 Bor.	3 in conſ. 9 ♈	0--45 Auſt
	9	6 veſp.	♀ ♒ 13--23	1--16 Auſt.	18 in conſ. 20 ♑	0--00
Decem.	20	6 veſp.	♀ ♒ 20--58	0--16 Bor.	21 in ant. 37 ♑	0--26 Bor.
					32 in ant. 26 ♑	0--30 Bor.
	27	6 veſp.	♂ ♉ 16--22	1--51 Auſt.	4 in conſ. 9 ♈ cum lat.	0--58 B. ver.

De Lunæ Eclipſibus *tacui ferè, quippe quas amicus quidam in Ephemeride ſua accuratius à Theoria Horrocciana ſupputavit.* Saturni *&* Jovis *ad fixas appulſus per noctes aliquot cum præcedentes, tum diem, in tabula conjunctioni conſcriptam ſequentes obſervare licet; Joviſque citiùs quippe ejus in phemeride* Heckeriana *motus* 13′ *min. juſto tardiores hoc anno reperiuntur. Commodum foret, etiam ad tranſitus* ♂*tis*, ♀*ii*, *&* ☿*ii* *per fixam nocte tum præcedente tum ſequente eam in tabula exaratam attendere, ne ipſo tempore minus ſit ſerenum Cælum; quod Cæliſpicibus ſerenius quàm per elapſum annum expertus eſt, hiſce Phainomenis obſervandis exoptat.* Derbiæ Dec. 3. 1673. J. F.

An Account of ſome Books.

I. *PHARMACEUTICE RATIONALIS, ſive Diatriba de Medicamentorum Operationibus in Humano corpore: Auth.* Tho. Willis *M. D. in Univ. Oxon. Prof. Sedlejano, nec non* Coll. Med. *Lond &* Societ. Reg. *Socio. E Theat. Sheldon.* 1673. *in* 4°.

THE Deſign and Buſineſs of this Inſtructive and Uſeful piece is, To give the Mechanical reaſon of the operation of all ſorts of Medicines upon the Animal ſpirits in Mans body, and after what manner and how many ways they ferment the Blood and Humors in the ſame. For the clearer underſtanding of which, the Excellent Author premiſeth an exact Deſcription and Repreſentation of the Stomach and Bowels, in which thoſe Animal Spirits do lodge, and are firſt of all by the particles of the medicine wrought upon. In the doing of which, he hath in a very accurate manner examined thoſe parts, from the very Mouth to the end of the Bowels; and in each of them very elaboratly laid open their Nervous, Muſcular and Glandulous membrans, and ſhew'd the ſeveral poſitions of fibres in them, lying long-ways, tranſverſe and oblique, ſome meerly ſerving for ſenſe, others for variety of motion; together with the curious woof of the Arteries and Veins, and the rare contrivance of numerous Glanduls.

This being diſpatch't, he makes it his buſineſs to explain the principal thing propoſed, which, he ſaith, hath been hitherto one of the *Deſiderata* in Phyſick, *viz.* In what manner, and by what kinds of impreſſion upon the parts of an Human Body, Medicaments perform their operations, that is to ſay, How and Why ſome Medicins are Vomitive, ſome Purgative, others Sudorifique,