

V. Occultations of Fixed Stars by the Moon, observed at Hamburg. By C. Rumker, Esq. Communicated by Dr. Lee.

Day.	Star's Name.	Phenom.	Observed Mean Solar Time at Hamburg.		
			h	m	s
1843.					
May 9	ϵ Leonis	Imm.	9	34	56.3
		Em.	10	21	27.9
Aug. 12	θ Piscium	Imm.	10	43	54.2
		Em.	11	12	15.2
	α Piscium	Em.	11	33	6.1
17	τ Arietis	Em.	12	28	2.3
Nov. 11	ζ Geminorum...	Imm.	13	11	9.6
		Em.	14	13	46.9
1844.					
Jan. 23	θ Piscium	Imm.	6	55	46.8
		Em.	7	22	11.3
Jan. 29	τ^2 Arietis	Imm.	5	58	45.5

VI. Farther Remarks on the Revision of the Southern Constellations. By Sir J. F. W. Herschel, Bart.

The idea, originally proposed of entirely re-modelling the southern constellations, has (after very mature consideration and much discussion, and after consulting the opinions of some of the most eminent continental astronomers, which have been found very adverse to the idea of so decided a change) been laid aside; at least in so far as regards the new catalogue of stars, now printing under the authority of the British Association. It is conceived, however, that if the nomenclature of the constellations, generally, be ever destined to undergo a systematic change at all (and many reasons may be adduced for considering such a change desirable) the first and most important step towards it will be found in the work above alluded to, and in the catalogues, now publishing simultaneously with it on the same system of nomenclature, which clear the ground of all existing confusion; and, by assembling into one distinct view, and under names and numbers at least definite and recognised, all the individuals of which the new groups must be composed, it will be easy at any future time to pass, by a single table of synonyms and by one decided step, from one to the other system, whenever the convenience and consent of astronomers may dictate the propriety of a change. Such views, if entertained, would render the nomenclature of the present catalogues so far provisional that a more rational and convenient system of groups (confined not to the southern hemisphere, but extending over both) may yet be contemplated by astronomers. Nevertheless, so long as the ancient system is at all retained, a general and scrupulous adherence to the nomenclature here adopted is most earnestly recommended to the astronomical world, as the only mode of escape