least. The width of the bands is quoted in angstroms, while the displacements are quoted in their equivalent velocities. The mean of all measures indicates a velocity of recession of 31 km. per sec., the equivalent of a redward displacement of 0·5 angstrom at Hβ. Owing to the very large probable error of the determination, however, I do not look upon this as having any real significance, and prefer to consider the bands as occupying approximately their normal positions.

Width of Emission Bands

(In Angstroms)

Plate	Hα	5169	5018	4924	Hβ	Hγ	Hδ	K
4931	26·0			28·1	31·9	28·5	17·3	
4942		26·3	27·1	27·7	29·4	26·1		
5011	40·8	35·5	25·3	26·1	23·5	21·2	20·2	18·6
5052			26·9	28·1	31·0	21·0	20·1	17·0
5081			20·6	21·3	32·2	22·1	19·2	
5093	39·0				22·5	18·6	17·2	
5111					22·6	14·7		
Means		30·9	25·0	27·0	28·0	22·6	18·8	17·8

Displacements of Emission Bands

(km. per sec.)

Plate	5169	5018	4924	Hβ	Hγ	Hδ	K
4929		+106	− 71	− 51			
4932		− 58	+190	+ 71	+170		
4933		−196	+171				
4934		+135	+185	− 19			
4938		+ 73	+ 27	+123	+ 32	− 4	
4939		− 88	+ 23	+110			
4912	− 10	− 2	+ 21	− 29	+ 77		
5011	+ 16	+ 35	+ 11	+ 6	+ 83	+ 29	− 35
5052	− 89	− 30	+ 51	− 31	+ 20	+ 80	
5081			+ 21	+105	+131	+124	
Means	− 18	− 33	+ 61	+ 35	+ 85	+ 57	− 35

Mean of 12 measures on 10 plates = + 31 km. per sec.
= + 0·5 angstroms at Hβ