

MEASURES OF BOSS 917

A	8336		8343		8387		8716		8718					
	Vel	Wt	Vel	Wt	Vel	Wt	Vel	Wt	Vel	Wt	Vel	Wt	Vel	Wt
1471-676					-30.8	$\frac{1}{4}$	+44.3	$\frac{1}{4}$	.....		.....		.....	
1388-100	+2.5	$\frac{1}{4}$			+31.8	$\frac{1}{4}$	10.3	$\frac{1}{4}$	+21.7	$\frac{1}{4}$	.....		.....	
1143-928					+26.8	$\frac{1}{4}$					.....		.....	
1101-890	14.1	$\frac{1}{4}$			-7.8	$\frac{1}{4}$	25.2	$\frac{1}{4}$	21.9	$\frac{1}{4}$	.....		.....	
1026-352	+13.6	$\frac{1}{4}$					+36.6	$\frac{1}{4}$	31.6	$\frac{1}{4}$	.....		.....	
3933-825					+29.5	$\frac{1}{4}$	-3.2	$\frac{1}{4}$	+17.0	$\frac{1}{4}$	.....		.....	
1861-527 cm	-5.0	$\frac{1}{4}$	-16.7	$\frac{1}{4}$							.....		.....	
1310-634 cm	-7.2	$\frac{1}{4}$	-26.7	$\frac{1}{4}$	.....						.....		.....	
Weighted mean	+10.20				+2.86		+36.60		+28.95		.....		.....	
V _a	+11.08		+9.40		-19.36		-26.55		-26.92		.....		.....	
V _d	.....		.....		.....		.....		.....		.....		.....	
Curv.	.....		.....		.....		.....		.....		.....		.....	
Radial Velocity	+21.2		.....		-7.6		+9.6		+1.6		.....		.....	
Emission	+5.1		-10.8		+19.0		-30.2		-10.3		.....		.....	

♂ ORIONIS

This star ($\alpha = 5^h 22^m$, $\delta = +3^\circ 01'$) was announced a binary by Frost and Adams in 1903, and its orbit published by Plaskett in *Astrophysical Journal*, XXVIII 266, 1908. Some of the plates of this star and a number of those of ϵ Orionis were measured by the writer, who noted cases where the K -line of calcium was discrepant and where lines appeared to be double. For the purposes of the papers on " H and K lines of Calcium" and "Secondary Disturbances" given before the Ottawa Section of the R.A.S.C. sometime about 1910, the writer remeasured all the plates of these two stars where the K -line could be seen and where the lines were double. As these results were never published it has been thought well to give them here. In the table immediately following, the velocity of the system, +12.0 km. per sec., has been subtracted from the measured velocities so as to get the relative orbital motion from which is deduced the ratios of the masses given in the fifth column. The second column simply gives Plaskett's velocities with 12 km. subtracted from each. From the last two columns the mean ratio of the masses is 0.63.