NOTE ON ALBERT'S SKY SURVEY FOR δ SCUTI VARIABLE STARS

DORRIT HOFFLEIT Department of Astronomy Yale University New Haven, CT 06520

Albert's excellent results have been compared with the revised data that had already been compiled for a forthcoming edition of the Bright Star Catalogue. This comparison indicated that seven (not just two) of the stars in Albert's Table I, column 1, are known variables, while another is S10151 in the General Catalogue of Suspected Variables, which his observations now confirm as variable. $\overline{(S101436, not yet named, had already been confirmed as a <math display="inline">\delta$ Sct type variable, but no period had been obtained.) Also, three additional stars have been noted as spectroscopic binaries (SB), while four others appear to have variable radial velocity (V). Table I gives the revised Bright Star Catalogue entries, together with a summary (last column) of Albert's conclusions on variability.

A high percentage of the comparison stars are likewise variable or suspected of variability, and the majority are SB or show variable radial velocity (Table II). As time goes on, so high a percentage of early type stars prove to be slightly variable that it seems almost impossible to find a comparison star of similar spectral class that is not also potentially variable.

Continued observation of all of these stars is to be encouraged. Most of the known periods are only very approximate, and the data on those not found to be variable are as yet too sparse to affirm non-variability.

TABLE I: THE STARS EXAMINED FOR VARIABILITY BY ALBERT

HR	Spectrum	RV	<u>Var</u>	Type	Period (d)	Albert
664	AlVnn	V				Not Var
691	FOVn	SB	-			Var?
1287	F2IV-V	_	IM Tau	δ Sct	0.1449	Known Var
1356	FOV	SB	V696 Tau	δ Sct	0.036	Var
1706	A9IV	SB	KW Aur	δ Sct	0.08809	Known Var
2103	AlVs	SB	<u>-</u>			Var?
2466	A2V	SB				Not Var
3163	AlV	SB	-			Not Var
3450	A3V+G0III	SB	-			Var?
3486	A3V	SB	-			Not Var
3519	A8Vsm	SB	-			Not Var?
3589	A8Vn	SB	-			Var?
3757	FOIV	٧	S101051			Var
3852	A5V+F6II	SB	-			Not Var
3888	F2IV	٧?	υ UMa	δ Sct	0.133	Var?
4594	A7m	V?	Var	δ Sct	0.04	Var
5317	F7V	SB	-			Var
5350	A9V	SB	S101436	δ Sct?	-	Var
6561	FOIV	SB				Not Var
8130	FlIV	SB	τ Cyg	δ Sct	2-3 hrs	Var?

TABLE II: THE COMPARISON STARS

HR	Spectrum	RV	<u>Va</u> r	Туре	Period (d)
622 732	A5III A7III-IVs	SB	- Var?	δ Sct?	7.227
1268	B9pSi	SB	GS Tau	α CVn	0.054
1351	FOIV	SB	V483 Tau	δ Sct	0.054
1396	G8III		-		
1726	K3III	SB	Var?		
2037	Kl.5IIb		S100692		
2487	K0III		-		
3184	dF3	V	-		
3481	AlV	v	-		
3500	B9p	V?	Var	Amp 0.02	∿ 6d
3528	A4III	SB?	-		
3601	AlV	V	-		
3757	FOIV	V	S101051		
3975	AOIb	V	Var?		
4377	K3III	SB	-		
4594b	F8	۸3	-		
5342	AlV		S101434		
5360	A2IV	V	-		0.053
6581	A2V	SB	o Ser	δ Sct	0.053
8115	G8III	SB	-		