



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

NW Germany				Sverdrup Basin				North Siberia		Russian Platform			
								in part after Jeletzky(1973)and Saks& Shulgina (1974) (reinterpreted)					
		AMMONITE ZONES		AMMONITE GENERA		AMMONITE ZONES		BUCHIA DISTRIBUTION		AMMONITE ZONES			
VALANGINIAN	UPPER	Beds with monotype "Astieria" (=Olcostephanus)		Tethyan ammonites only	No ammonites	No ammonites	"Zone" of the Buchia aff. inflata-sublaevis group without Buchia keyserlingi	Buchia aff. inflata-sublaevis	MAIN LEVELS OF IMMIGRATION OF "NON ARCTIC" SPECIES INDICATED BY ARROWS	? no ammonites ?			
		Dicostella pitrei											
		Dichotomites bidichotomus		Prodichotomites	Dichotomites	?	Homol somites			Homol somites bojarkensis			
		Dichotomites triptychoides*											
		Dichotomites crassus*											
		Dichotomites (Prodichotomites) polytomus											
	Dichotomites (Prodichotomites) hollwedensis *				Prodichotomites ? tozeri *		Buchia crassicollis level						
	LOWER	Polyptychites sphaeroidalis		Polyptychites s. str.	Polyptychites s. str.		Polyptychites sphaeroidalis			?			
		Polyptychites clarkei			Polyptychites keyserlingi		Polyptychites keyserlingi			Polyptychites polyptychus			
		Polyptychites multicostatus			Siberiptychites	Polyptychites (Siberiptychites)* stubendorffi		Polyptychites stubendorffi		Polyptychites keyserlingi			
		Polyptychites euomphalus				Polyptychites (Siberiptychites)* stubendorffi		Polyptychites stubendorffi		Polyptychites michalskii			
		Platylenticeras involutum				Thorsteinssonoceras ellesmerense		Temnoptychites syzranicus et sp.					
		Platylenticeras heteropleurum			Temnoptychites & Tollia	Temnoptychites kemperi *		Temnoptychites kemperi *		Temnoptychites hoplitoides			
		Platylenticeras robustum				Temnoptychites troelseni *		Temnoptychites troelseni *					
						basal beds (no ammonites)		basal beds (no ammonites)		Pseudogarnieria undulaloplicatilis			
					Paratollia					Neotollia klimovskiensis			
					Platylenticeras	Propolyptychites							

* New taxa to be described and figured in Jeletzky (in preparation),
Kemper (in preparation), and Kemper and Jeletzky (in preparation).

MFM

To accompany GSC Paper 76-32 by E. Kemper

Figure 2