

CHAPPEL FAUNAL CORRELATION CHART

CHAPPEL FORMATION of TEXAS

BRACHIOPODA

MISSOURI* and ILLINOIS													NEW MEXICO		
KEOKUK	BURLINGTON (UNDIVIDED)	REEDS SPRINGS	RESIDUAL CHERT	WINDY HOOK (UNDIVIDED)	CHOUTEAU	PIERSON	NORTHVIEW	CHONOSPECTUS	FERN GLEN	HANNIBAL	VERMILION	DONNA ANNA	ARCENTE	ALMODOVAR	CABALLERO

<i>Comarophoria bisinuata</i> (Rowley)	X								X						
<i>Comarotoechia chouteauensis</i> Weller					X										
<i>Comarotoechia elegantula</i> Rowley	X														
<i>Leiorhynchus greenianum</i> (Ulrich)															
<i>Pugnoides boonensis</i> (Shumard)	X							X							
<i>Rhynchotetra caput-testudinis</i> (White)				X											
<i>Rhynchotetra persinuata</i> (Winchell)															
<i>Shumardella missouriensis</i> (Shumard)					X										X
<i>Shumardella obsolens</i> (Hall)					X										X
<i>Rhynchopora hamburgensis</i> (Weller)				X											
<i>Rhynchopora pustulosa</i> (White)				X											
<i>Rhynchopora beecheri</i> Gregor	X														
<i>Rhynchopora cooperensis</i> (Shumard)		X		X											
<i>Centronella emaciata</i> Rowley		X													
<i>Centronella rowleyi</i> (Worthen)		X													
<i>Selenella subcircularis</i> Girty															
<i>Cronaena globosa</i> Weller		X													
<i>Dielasma subspatulatum</i> Weller															
<i>Dielasma burlingtonense</i> (White)		X													
<i>Dielasmella calhounensis</i> Weller				X											
<i>Hamburgia typa</i> Weller				X											
<i>Cyrtina burlingtonensis</i> Rowley		X			X				X						X
<i>Cyrtina neogenes</i> Hall & Clarke	X														
<i>Punctospirifer subtexta</i> (White)				X											
<i>Punctospirifer solidirostris</i> (White)				X											
<i>Punctospirifer subelliptica</i> (McChesney)				X											X
<i>Delthyris novamexicana</i> (Miller)									X				X		X
<i>Delthyris similis</i> Weller	X														
<i>Spirifer pikensis</i> Rowley		X													
<i>Spirifer latior</i> Swallow					X										
<i>Spirifer missouriensis</i> Swallow					X										
<i>Spirifer insculptus</i> Rowley		X													
<i>Spirifer carinatus</i> Rowley		X													
<i>Spirifer pelloensis</i> Weller															
<i>Spirifer Keokuk</i> Hall	X														
<i>Spirifer grimesi</i> Hall		X													
<i>Spirifer mortuanus</i> Miller	X											X			
<i>Brachythyris burlingtonensis</i> Weller				X											
<i>Brachythyris fernglenensis</i> (Weller)								X							
<i>Brachythyris chouteauensis</i> (Weller)				X									X		
<i>Brachythyris suborbicularis</i> (Hall)	X	X										X			X
<i>Brachythyris semiplicata</i> (Hall)				X											
<i>Brachythyris peculiaris</i> (Shumard)					X										X
<i>Brachythyris similans</i> Girty															
<i>Spiriferella plena</i> (Hall)		X													
<i>Spiriferella schucherti</i> (Rowley)															
<i>Lingula halli</i> White		X													
<i>Leptaena analoga</i> (Phillips)		X		X										X	X
<i>Leptaena convexa</i> Weller				X											
<i>Schuchertella morsei</i> Foerste				X											
<i>Schellwienella inflata</i> (White & Whitfield)				X											
<i>Schellwienella crenulicostata</i> Weller				X											
<i>Schellwienella planumbona</i> Weller				X											
<i>Streptorhynchus tenuicostatum</i> Weller					X										X
<i>Orthoteles Keokuk</i> Hall	X														
<i>Chonetes illinoisensis</i> Worthen	X	X													
<i>Chonetes missouriensis</i> Weller															
<i>Chonetes logani</i> Norwood and Proffen				X		X								X	
<i>Chonetes burlingtonensis</i> Weller				X											
<i>Avonia newarkensis</i> (Moore)															
<i>Avonia concentrica</i> (Hall)				X				X				X	X	X	
<i>Avonia blairi</i> (Miller)															
<i>Productella nummularis</i> (Winchell)								X							
<i>Productella sublaevis</i> Weller				X											
<i>Productus marginicinctus</i> Prout															
<i>Productus newtonensis</i> Moore					X										
<i>Dictyoclostus burlingtonensis</i> (Hall)		X													
<i>Dictyoclostus sedaliensis</i> (Weller)				X											
<i>Dictyoclostus mesicostalis</i> (Weller)															
<i>Dictyoclostus crawfordsvillensis</i> (Weller)	X														
<i>Dictyoclostus calhounensis</i> (Moore)															X
<i>Marginites arcuatus</i> (Hall)				X											
<i>Marginites tenuicostus</i> (Hall)															
<i>Dictyoclostus mesialis</i> (Hall)	X														
<i>Dictyoclostus magnus</i> (Week & Worthen)	X													X	
<i>Linoproductus curtirostris</i> (Winchell)								X							
<i>Linoproductus ovatus</i> (Hall)	X	X													
<i>Concinella sompsoni</i> (Weller)					X				X					X	X
<i>Pustula pusilla</i> (Girty)															
<i>Pustula inconspicua</i> Girty															
<i>Echinoconchus morbillianus</i> (Winchell)		X													
<i>Rhipidomella burlingtonensis</i> (Hall)		X													
<i>Rhipidomella perminuta</i> Girty															
<i>Rhipidomella oweni</i> (Hall & Clarke)				X								X		X	
<i>Rhipidomella thiermeri</i> (White)				X											
<i>Schizophoria subelliptica</i> (White & Whitfield)				X											
<i>Schizophoria chouteauensis</i> Weller					X										
<i>Schizophoria sedaliensis</i> Weller					X										X
<i>Schizophoria poststriatula</i> Weller								X				X	X	X	
<i>Schizophoria swallowi</i> (Hall)													X	X	
<i>Acanthospira aciculifera</i> (Rowley)		X													
<i>Martina sulcata</i> Weller															
<i>Ambocoelia unionensis</i> Weller				X											
<i>Ambocoelia levicula</i> Rowley		X													X
<i>Reticularia cooperensis</i> (Swallow)				X											X
<i>Reticularia pseudolineata</i> (Hall)	X														
<i>Ptychospira sexplicata</i> (White & Whitfield)				X								X		X	
<i>Eumetria altirostris</i> (White)								X							
<i>Eumetria osagensis</i> (Swallow)					X										
<i>Eumetria perstriata</i> Rowley		X													
<i>Hustedia texana</i> Girty															
<i>Hustedia parvicostata</i> Girty															
<i>Hustedia problematica</i> Girty															
<i>Hustedia subaequalis</i> Girty															
<i>Athyris lamellosa</i> (Leveillé)															
<i>Cleiothyridina glenportensis</i> Weller									X				X		X
<i>Cleiothyridina prouti</i> (Swallow)									X						X
<i>Cleiothyridina obmaxima</i> (McChesney)	X	X		X								X			X
<i>Cleiothyridina incrassata</i> (Hall)		X													X
<i>Cleiothyridina tenuilineata</i> (Rowley)															X
<i>Composita pentagonia</i> Weller	X														
<i>Composita opposita</i> (White & Whitfield)				X											
<i>Composita globosa</i> Weller															

Chart 1. Chappel species and correlative strata in Missouri, Illinois, and New Mexico.