

CORRELATION TABLE

GENERALIZED TIME SCALE FOR CENTRAL NORTH AMERICA		UNITS RECOGNIZED IN THIS VOLUME	MAPABLE LITHOLOGIC EQUIVALENTS IN THE COLUMBIA QUADRANGLE 1903	SAFFORD AND KILLEBREW: ELEMENTS OF THE GEOLOGY OF TENNESSEE, 1900. MIDDLE TENNESSEE	SAFFORD: GEOLOGY OF TENNESSEE, 1869. MIDDLE TENNESSEE	SAFFORD: AMERICAN JOURNAL OF SCIENCE, SECOND SERIES, VOL. XII, 1851 GEOLOGICAL RECONNAISSANCE 1856
MISSISSIPPIAN	Chesterian	Pennington shale	<i>(Not present)</i>	Mountain limestone	Mountain limestone	Pentremital or Mountain limestone
		Glen Dean limestone				
		Hardinsburg sandstone				
		Golconda shale				
		Cypress sandstone				
		Gasper oolite				
	Meramecian { St. Louis Spergen Warsaw	St. Louis limestone	St. Louis limestone	St. Louis limestone	Lithostrotion bed or St. Louis limestone	Cherty limestone
		Warsaw limestone				
	Osagian { Keokuk Burlington	Ft. Payne formation	Tullahoma formation	Tullahoma formation	Lower or Protean member	Siliceous beds
		New Providence shale				
Kinderhookian	Ridgetop shale	Chattanooga formation	Maury green shale	Black shale (Chattanooga shale) Swan Creek phosphate and Hardin sandstone	Black slate	
	Maury green shale					
Chattanooga	Chattanooga shale (upper)	Chattanooga formation	Camden chert (Oriskany)	Lower Helderberg	Black slate	
Chemung	Chattanooga shale (lower)					
DEVONIAN	Senecan (Portage, Genesee)	Hardin sandstone	<i>(If present, are represented in the phosphatic beds at the base of the Chattanooga formation)</i>	Linden limestone (Lower Helderberg)	Lower Helderberg	Black slate
	Erian (Hamilton)	<i>(Absent in Central Basin)</i>				
	Ulsterian (Onondaga)	Jeffersonville limestone				
	Oriskanian	<i>(Absent in Central Basin)</i>				
	Helderbergian	<i>(Absent in Central Basin)</i>				
	Cayugan Series	<i>(Absent)</i>				
SILURIAN	NIAGARAN	Lobelville formation	<i>(Wanting)</i>	Clifton limestone (Niagara)	Meniscus limestone (Niagara group)	Harpeth and Tennessee River group (Gray limestone; Dyestone)
		Lockport	Lego limestone			
			Waldron formation			
		Clinton	Laurel limestone			
	MEDINAN	Alexandrian	Osgood limestone	<i>(Wanting)</i>	Hudson (College Hill; Cincinnati). Includes Hudson phosphate	Upper Nashville
		Richmond	Brassfield limestone	Fernvale formation		
	MOHAWKIAN		Maysville	Fernvale formation	<i>(Wanting)</i>	Middle Nashville
		Leipers formation		Leipers formation		
		Eden	Leipers formation	<i>(Wanting)</i>	Lower Nashville (Orthis bed)	
			<i>(Absent)</i>			
Trenton	Catheys formation	Catheys limestone	(f) <i>Cyrtodonta</i> and <i>Stromatopora</i> beds. (d) (e) Dove and Ward limestones. (c) Capital limestone or Mount Pleasant phosphate.	Carters Creek limestone		
	Cannon limestone	Bigby limestone	(b) <i>Orthis</i> bed			
Black River	Bigby limestone		<i>(Wanting)</i>	Upper Lebanon limestone		
Blount { <i>Absent in Central Basin</i>	Hermitage formation	Hermitage formation	<i>(Not classified)</i>			
	CHAZYAN	Lowville	Tyrone limestone	<i>(Wanting)</i>	Glade limestone	
Carters limestone			Carters limestone			
Stones River		Lebanon limestone	Lebanon limestone	(a) Carters limestone	Lower Lebanon limestone	
		Ridley limestone	<i>(Not exposed)</i>	Lebanon limestone		
Pierce formation	Stones River (Chazy)	Ridley limestone		Stones River beds		
Murfreesboro limestone		Murfreesboro limestone	Pierce limestone			
Stones River	Stones River	Stones River	Stones River	Central limestone		
Buffalo River series	Stones River	Stones River	Stones River	Stones River		

Extra copies of this table may be obtained from the Tenn. Div. of Geology