SYSTEM	SERIES	PROVINCIAL SERIES	MAJOR STRUCTURAL AREAS (shown in figure 15): DENVER BASIN (Colorado, Nebraska, Wyoming, Kansas)	CENTRAL NEBRASKA (SALINA) BASIN (Nebraska, Kansas)	HUGOTON EMBAYMENT (Kansas, Colorado, Oklahoma)	ANADARKO BASIN (Oklahoma, Texas)	ARKOMA BASIN (Arkansas, Oklahoma)	OZARK UPLIFT (western part) (Missouri, Arkansas, Oklahoma, Kansas)	PROVINCIAL SERIES	SERIES	SYSTEM
CRETACEOUS	UPPER CRETACEOUS		Undifferentiated sedimentary rocks							UPPER	CRETACEOUS
	LOWER CRETACEOUS	Comanchean	Dakota Group	Dakota Sandstone	Dakota Sandstone Kiowa Shale Cheyenne Sandstone	[3]Kiowa Shale			Comanchean	LOWER	
JURASSIC	UPPER JURASSIC		Morrison Formation Unnamed rocks	[2]Morrison Formation Sundance Formation	Jurassic rocks, undivided					UPPER	JURASSIC
	MIDDLE JURASSIC		Entrada Sandstone							MIDDLE	
	LOWER JURASSIC									LOWER	
TRI-ASSIC	UPPER TRIASSIC									UPPER	TRI-ASSIC
	MIDDLE TRIASSIC									MIDDLE	
	LOWER TRIASSIC									LOWER	
PERMIAN	UPPER PERMIAN	Ochoan				Elk City Sandstone Doxey Shale			Ochoan	UPPER	PERMIAN
		Guadalupian	Forelle Limestone		Big Basin Sandstone Day Creek Dolomite Whitehorse Sandstone	Cloud Chief Formation Whitehorse Group			Guadalupian		
	LOWER PERMIAN	Leonardian	[1]Cedar Hills Sandstone Stone Corral Formation [1]Wellington Formation	[2]Nippewalla Group [2]Sumner Group	Nippewalla Group Sumner Group	El Reno Group [3]Clear Fork Group			Leonardian	LOWER	
		Wolfcampian	Wolfcampian rocks, undivided	Chase Group Council Grove Group Admire Group	Chase Group Council Grove Group Admire Group	Pontotoc Group			Wolfcampian		
PENNSYLVANIAN	UPPER PENNSYLVANIAN	Virgilian	[1]Wabaunsee Group [1]Shawnee Group [1]Douglas Group	Wabaunsee Group Shawnee Group Douglas Group	Wabaunsee Group Shawnee Group Douglas Group	[3]Cisco Group			Virgilian	UPPER	PENNSYLVANIAN
		Missourian	[1]Lansing Group [1]Kansas City Group [1]Pleasanton Group	Lansing Group Kansas City Group [2]Pleasanton Group	Lansing Group Kansas City Group Pleasanton Group	Ochelata Group Skiatook Group			Missourian		
	MIDDLE PENNSYLVANIAN	Des Moinesian	[1]Marmaton Group [1]Cherokee Group	[2]Marmaton Group [2]Cherokee Shale	Marmaton Group Cherokee Group	Marmaton Group Cabaniss Group Krebs Group	Krebs Group	Marmaton Group Cherokee Group/ or Shale	Des Moinesian	MIDDLE	
		Atokan	Atokan rocks, undivided		Atokan rocks, undivided	Atokan rocks, undivided	Atokan rocks, undivided	Atokan rocks, undivided	Atokan		
	LOWER PENNSYLVANIAN	Morrowan	Morrowan rocks, undivided		Morrowan rocks, undivided	Morrowan rocks, undivided Springer Group	Bloyd Shale Hale Formation	Morrowan rocks, undivided	Morrowan	LOWER	
MISSISSIPPIAN	UPPER MISSISSIPPIAN	Chesterian			Chesterian rocks, undivided		Pitkin Limestone Fayetteville Shale Batesville Sandstone	[4]Pitkin Limestone [4]Fayetteville Shale Batesville Sandstone	Chesterian	UPPER	MISSISSIPPIAN
		Meramecian	St. Louis Limestone [1]Salem Limestone [1]Warsaw Limestone	[2]Warsaw Limestone	Ste. Genevieve Limestone St. Louis Limestone Salem Limestone Warsaw Limestone	Meramecian rocks, undivided	Moorefield Formation	St. Louis Limestone Salem Limestone Warsaw Limestone	Meramecian		
	LOWER MISSISSIPPIAN	Osagean	Osagean rocks, undivided	[2]Keokuk Limestone [2]Burlington Limestone	Osagean rocks, undivided	Osagean rocks, undivided	Boone Formation St. Joe Limestone Member	Keokuk Limestone Burlington Limestone Fern Glen Limestone Pierson Formation	Osagean	LOWER	
		Kinderhookian	Kinderhookian rocks, undivided	[2]Gilmore City Limestone [2]Chouteau Limestone	Kinderhookian rocks, undivided			[4]Chouteau Group	Kinderhookian		
DEVONIAN	UPPER DEVONIAN					Woodford Shale	Chattanooga Shale	Chattanooga Shale		UPPER	DEVONIAN
	MIDDLE DEVONIAN			[2]Cedar Valley Formation [2]Wapsipinicon Limestone			Clifty Limestone	Clifty Limestone		MIDDLE	
	LOWER DEVONIAN						Penters Chert			LOWER	
SILURIAN	UPPER SILURIAN					Hunton Group				UPPER	SILURIAN
	MIDDLE SILURIAN			Silurian rocks, undivided			Lafferty Limestone St. Clair Limestone			MIDDLE	
	LOWER SILURIAN						Brassfield Limestone			LOWER	
ORDOVICIAN	UPPER ORDOVICIAN			[2]Maquoketa Shale		Sylvan Shale	Cason Shale			UPPER	ORDOVICIAN
	MIDDLE ORDOVICIAN			[2]Galena Dolomite [2]Decorah Shale [2]Platteville Limestone [2]St. Peter Sandstone	Viola Limestone Simpson Group	Viola Limestone Simpson Group	Fernvale Limestone Kimmswick Limestone Plattin Limestone Joachim Dolomite St. Peter Sandstone Everton Formation	St. Peter Sandstone [4]Everton Formation		MIDDLE	
	LOWER ORDOVICIAN		Arbuckle Group	[2]Prairie du Chien Group	Arbuckle Group	Arbuckle Group	Powell Dolomite Cotter Dolomite Jefferson City Dolomite Roubidoux Formation Gasconade Dolomite Eminence Dolomite Potosi Formation Elvins Group Bonneterre Dolomite Lamotte Sandstone	Smithville Formation Powell Dolomite Cotter Dolomite Jefferson City Dolomite Roubidoux Formation Gasconade Dolomite Eminence Dolomite Potosi Formation Elvins Group Bonneterre Dolomite Lamotte Sandstone		LOWER	
CAMBRIAN	UPPER CAMBRIAN		Reagan Sandstone	[2]Davis Formation [2]Bonneterre Dolomite [2]Lamotte Sandstone	Reagan Sandstone	Reagan Sandstone				UPPER	CAMBRIAN
	MIDDLE CAMBRIAN									MIDDLE	
	LOWER CAMBRIAN									LOWER	
PRECAMBRIAN			Basement complex of igneous and metamorpic rocks						PRECAMBRIAN		

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[1] Name is not U.S. Geological Survey usage in Colorado and Wyoming; equivalent to unit of same name used by U.S. Geological Survey in adjacent State(s).
[2] Name is not U.S. Geological Survey usage in Nebraska; equivalent to unit of same name used by U.S. Geological Survey in adjacent State(s).
[3] Name is not U.S. Geological Survey usage in Oklahoma; equivalent to unit of same name used by U.S. Geological Survey in adjacent State(s).
[4] Name is not U.S. Geological Survey usage in Missouri; equivalent to unit of same name used by U.S. Geological Survey in adjacent State(s).

EXPLANATION

HIATUS OR INTERRUPTION IN THE CONTINUITY OF THE ROCK RECORD

Compiled by John O. Helgesen and Robert B. Leonard

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GENERALIZED CORRELATION CHART OF GEOLOGIC FORMATIONS IN PRECAMBRIAN THROUGH CRETACEOUS ROCKS IN KANSAS, NEBRASKA, AND PARTS OF ARKANSAS, COLORADO, MISSOURI, OKLAHOMA, TEXAS, AND WYOMING

By

Donald G. Jorgensen, John O. Helgesen, and Jeffrey L. Imes

1993