TABLE 1.—*Correlation chart showing the stratigraphic units differentiated along the cross section as classified by the U.S. Geological Survey and the classification of the State Geological Survey of Kansas.*

This Report				State Geological Survey of Kansas (Modified From Jewett, 1959)					
SYSTEM	SERIES	GROUP		SYSTEM	SERIES	STAGE	GROUP	SUBGROUP	
PERMIAN	LOWER	NIPPEWALLA	Absent	PERMIAN	MIDDLE	GUADALUPIAN	NIPPEWALLA		Dog Creek Formation
									Blaine Gypsum
									Flowerpot Shale
									Cedar Hills Sandstone
									Salt Plain Siltstone
			Harper Siltstone			LEONARDIAN			Harper Siltstone
		SUMNER	Stone Corral Formation				SUMNER		Stone Corral Formation
			Ninnescah Shale						Ninnescah Shale
			Wellington Formation						Wellington Formation
		CHASE	Nolans Limestone		LOWER	WOLFCAMPIAN	CHASE		Nolans Limestone
			Odell Shale						Odell Shale
			Winfield Limestone						Winfield Limestone
			Doyle Shale						Doyle Shale
			Barneston Limestone						Barneston Limestone
			Matfield Shale						Matfield Shale
			Wreford Limestone						Wreford Limestone
		COUNCIL GROVE	Undifferentiated				COUNCIL GROVE		Speiser Shale
									Funston Limestone
									Blue Rapids Shale
									Crouse Limestone
									Easly Creek Shale
									Bader Limestone
									Stearns Shale
			Beattie Limestone						Beattie Limestone
			Eskridge Shale						Eskridge Shale
			Grenola Limestone						Grenola Limestone
			Roca Shale						Roca Shale
			Red Eagle Limestone Johnson Shale, and Foraker Limestone, undifferentiated						Red Eagle Limestone
									Johnson Shale
									Foraker Limestone
		ADMIRE	Undifferentiated				ADMIRE		Janesville Shale
									Falls City Limestone
									Onaga Shale
PENNSYLVANIAN	VIRGIL	WABAUNSEE	Undifferentiated	PENNSYLVANIAN	UPPER	VIRGILIAN	WABAUNSEE	RICHARDSON	Wood Siding Formation
									Root Shale
									Stotler Limestone
									Pillsbury Shale
			Zeandale Limestone						Zeandale Limestone
			Willard Shale					NEMAHA	Willard Shale
			Emporia Limestone						Emporia Limestone
			Auburn Shale						Auburn Shale
			Bern Limestone						Bern Limestone
			Upper part of Scranton Shale					SACFOX	Scranton Shale
			Happy Hollow Limestone and White Cloud Shale Members of Scranton Shale and Howard Limestone						
									Howard Limestone
			Severy Shale						Severy Shale
		SHAWNEE	Topeka Limestone, Calhoun Shale, and Deer Creek Limestone, undifferentiated				SHAWNEE		Topeka Limestone
									Calhoun Shale
									Deer Creek Limestone
			Tecumseh Shale						Tecumseh Shale
			Lecompton Limestone						Lecompton Limestone
			Kanwaka Shale						Kanwaka Shale
			Oread Limestone						Oread Limestone
		DOUGLAS	Undifferentiated				DOUGLAS		Lawrence Shale
									Stranger Formation
	MISSOURI		Absent				PEDEE		Iatan Limestone
									Weston Shale
		LANSING	Undifferentiated				LANSING		Stanton Limestone
									Vilas Shale
									Plattsburg Limestone
		KANSAS CITY	Bonner Springs Shale				KANSAS CITY	ZARAH	Bonner Springs Shale
			Wyandotte Limestone						Wyandotte Limestone
			Lane Shale						Lane Shale
			Undifferentiated					LINN	Iola Limestone
									Chanute Shale
									Drum Limestone
									Cherryvale Shale
								BRONSON	Dennis Limestone
									Galesburg Shale
									Swope Limestone
									Ladore Shale
									Hertha Limestone

PENNSYLVANIAN	DES MOINES	MISSOURI		PENNSYLVANIAN	UPPER	MISSOURIAN	PLEASANTON		
			Undifferentiated						Checkerboard Limestone
									Hepler Sandstone
		PLEASANTON	Included in Pleasanton Group if present		MIDDLE	MISSOURIAN	PLEASANTON		Holdenville Shale
									Lenapah Limestone
									Nowata Shale
		MARMATON	Altamont Limestone			DESMOINESIAN	MARMATON		Altamont Limestone
			Undifferentiated						Bandera Shale
									Pawnee Limestone
									Labette Shale
		CHEROKEE					CHEROKEE		Fort Scott Limestone
			Undifferentiated						Cabaniss Formation
									Krebs Formation
			Absent			ATOKAN (BENDIAN)			
					LOWER	MORROWAN			Kearny Formation
MISSISSIPPIAN	UPPER		Absent	MISSISSIPPIAN	UPPER	CHESTERAN			
						MERAMECIAN			Ste. Genevieve Limestone
									St. Louis Limestone
			? ?						Salem Limestone
			Undifferentiated						Warsaw Limestone
									Cowley Formation
	LOWER		Undifferentiated		LOWER	OSAGIAN			Keokuk Limestone
									Burlington Limestone
									Reeds Spring Limestone
						KINDERHOOKIAN			St. Joe Limestone
			Absent						Gilmore City Limestone
									Sedalia Dolomite
									Chouteau Limestone
									Boice Shale
	DEV. AND MISS.		Chattanooga Shale		DEV. OR MISS.				Chattanooga Shale
	DEVONIAN	HUNTON	Absent		DEVONIAN	MIDDLE	"HUNTON"		
	SILURIAN				SILURIAN	LOWER			
									Chimneyhill Dolomite
	ORDOVICIAN	UPPER	Sylvan Shale	ORDOVICIAN	UPPER				Maquoketa (Sylvan) Shale
		MIDDLE AND UPPER	Viola Limestone		MIDDLE				Viola (Kimmswick) Limestone
		MIDDLE	Undifferentiated				SIMPSON		Platteville Formation
									St. Peter Sandstone
		SIMPSON							
		LOWER	Cotter and Jefferson City Dolomites, undifferentiated		LOWER		ARBUCKLE		Cotter and Jefferson City Dolomites
			Roubidoux Dolomite						Roubidoux Formation
		ARBUCKLE	Absent						Gasconade Dolomite and Van Buren Formation
	CAMBRIAN								Eminence Dolomite
		UPPER	Bonneterre Dolomite	CAMBRIAN	UPPER				Bonneterre Dolomite
			Reagan Sandstone						Lamotte (Reagan) Sandstone
PRECAMBRIAN				PRECAMBRIAN					