

the rate expressions, rate constants, and important features of the studies. The observations can be classified into three types of rate expressions:

TABLE 2-5. Investigations of SO₂ - O₂ Aqueous Systems

Investigators	Type of System	Comment*
Bigelow (1898)	Bubbler	1,2,3
Titoff (1903)	Bulk	2,3
Lumiere and Seyewetz (1905)	Bulk	2,3
Milbaur and Pazourek (1921)	Bulk	2,3
Reinders and Vles (1925)	2-phase bulk	2,3
Haber and Wansbrough-Jones (1932)	Bulk	2,3
Vol'fkovick and Belopol'skii (1932)	Bulk	2,3
Backstrom (1934)	Theoretical	
Fuller and Crist (1941)	Bubbler	1
Riccoboni et al. (1949)	Bulk	2,3
Abel (1951)	Theoretical	
Winkelmann (1955)	Bulk	2
van den Heuvel and Mason (1963)	Supported droplet	1,3
Schroeter (1963)	Bubbler	1
Schwab and Strohmeier (1965)	Bulk	2
Rand and Gale (1967)	Bulk	2,3
Scott and Hobbs (1967)	Theoretical	
McKay (1971)	Theoretical	
Miller and de Pena (1972)	Supported droplets	1
Brimblecombe and Spedding (1974a)	Bubbler	1
Bielke et al. (1975)	Supported droplet	1,3
Horike (1976)	Bubbler	1,3
Larson (1976)	Bubbler	1
Huss et al. (1978)	Bulk	1,3
Larson et al. (1978)	Bubbler	1

- *1. Incompletely characterized 2-phase system; results cannot be considered to be reliable.
2. Purity of water is uncertain; results cannot be considered to be reliable.
3. Rate expression not reported.