## **TABLE OF CONTENTS**

			Page				Page
ntrodu	ection .		3			(b) Two Fluorides	354
	<b></b>				TY 7	(c) Three Fluorides	365
- I	c Diagra				IV.	Iodides Only	0.00
Α.		Oxygen Systems, including those con-				(a) One Iodide	369
	I.	ng valence changes	5			(b) Two Iodides	$\frac{372}{277}$
	п.	One Metal with Oxygen Two Metals with Oxygen	18		V.	Mixed Halides Only	377
	III.	Three Metals with Oxygen	61		٧.	(a) Two Halides	378
	111.	Timee Metals with Oxygen	O1			(b) Four Halides	380
В.	Metal	Oxide Systems				(c) Six Halides	380
	I.	One Oxide	74			(*)	000
	II.	Two Oxides	79	Ε.	System	ns Containing Halides with Other Sub-	
	III.	Three Oxides	180	12.	stan		
	IV.	Four Oxides	261		I.	Elements with Halides	382
	V.	Five Oxides	287		II.	Fluorides with Oxides	- O
	~ .					(a) Two Substances	387
C.		as with Oxygen-Containing Radicals				(b) Three Substances	387
	I.	Oxides with CO <sub>2</sub>	292			(c) Four Substances	391
	II.	(a) Two Substances	292		III.	Halides with Hydroxides	392
	11.	(a) One Carbonate	293		IV.	Halides with Nitrates	392
		(b) One Oxide and One Carbon-	230		V.	Halides with Oxides	
			294			(a) Two Substances	394
		ate	295			(b) Three Substances	397
		(d) Four Carbonates	296		VI.	(c) Four Substances	401
	III.	Chlorates Only	$\frac{297}{297}$		٧1.	Halides with Oxychlorides (a) Two Substances	402
	ĬV.	Hydroxides	298			(b) Three Substances	402
	V.	Hydroxides and Carbonates	300		VII.	Halides with Thiocyanides	400
	VI.	Nitrites Only			,,	(a) Two Substances	404
		(a) One Nitrite	301			(b) Four Substances	407
		(b) Three Nitrites	302		VIII.	Halides with Miscellaneous Sub-	
	VII.	Nitrates Only				stances	408
		(a) One Nitrate	307				
	377TT	(b) Two Nitrates	310	$\mathbf{F}$ .	Systen	ns Containing Cyanides, Selenides,	,
	VIII.	Nitrites-Nitrates Mixed	311		Sulf	ides, etc.	
		(a) Two Substances	$\frac{311}{312}$		<u>I</u> .	Cyanides Only	409
	IX.	Nitrites-Nitrates-Molybdates	$312 \\ 312$		II.	Selenides	410
	X.	Selenates	313		III.	Metal with Sulfur	
	XI.	Sulfates Only	010			(a) Sulfur	411
		(a) One Sulfate	314			(b) One Metal with Sulfur (c) Two Metals with Sulfur	412
		(b) Two Sulfates	315		IV.	(c) Two Metals with Sulfur Sulfides	414
		(c) Three Sulfates	318		14.	(a) One Substance	419
	XII.	Sulfates with Metal Oxides				(b) Two Substances	419
		(a) Two Substances	320			(c) Three Substances	
	*****	(b) Three Substances	321		V.	Thiocyanides	422
	XIII.	Sulfates with Carbonates	323			•	
D.	Syraton	na Containing Holidae Only		G.	Syster	ns Containing Water	
	Systen I.	ns Containing Halides Only Bromides Only			I.	Water	423
	1.	(a) One Bromide	324		II.	One Oxide with Water	424
		(b) Three Bromides	327		III.	Two Oxides with Water	427
	II.	Chlorides Only	J.		IV.	Three Oxides with Water	438
		(a) One Chloride	328		V.	Four Oxides with Water	444
		(b) Two Chlorides	331		VI.	Five Oxides with Water	449
		(c) Three Chlorides	347				
		(d) Four Chlorides	349	Au	tnor Ind	lex	451
	III.	Fluorides Only	051	~		•	
		(a) One Fluoride	351	SVS	stem Inc	IAX .	465