

TABLE 2.—SULFIDES—Continued

	<i>I</i>	θ (Cu)	<i>d</i> (meas.)	<i>hkl</i>	<i>d</i> (calc.)
112. GUANAJUATITE—Bi ₂ (Se,S) ₃ Orthorhombic, <i>D</i> _{2h} ¹⁶ — <i>Pbmm</i> ; <i>a</i> = 11.37, <i>b</i> = 11.55, <i>c</i> = 4.054; <i>Z</i> = 4	3	7.6	5.83	{020	5.77
				{200	5.68
	4	8.6	5.16	120	5.15
4401* (Cu/Ni)—Guanajuato, Mexico (ROM, M3773). Pattern similar to that of bismuthinite	3	10.9	4.08	220	4.05
	2	11.6	3.83	101	3.82
	9	12.2	3.65	130	3.65
Cell dimensions by R. M. Thompson from powder data. Ramdohr (<i>Comite direct. invest.</i> <i>recursos mineral. Mex.</i> , 20, 1-15, 1948) gives <i>a</i> = 11.32, <i>b</i> = 4.17, <i>c</i> = 11.48 Å? for ma- terial from the same locality. Structure probably similar to that of bismuthinite (RMT)	2	13.4	3.33	{021	3.32
				{201	3.30
				{230	3.19
10	14.0	3.19	{121	3.18	
			{211	3.17	
	2	14.75	3.03		
	6	15.55	2.88	{040	2.89
				{221	2.87
				{301	2.77
3	16.15	2.77	{410	2.76	
			{131	2.71	
2	16.6	2.70	{330	2.70	
5	17.4	2.58	240	2.57	
1	17.9	2.51	{231	2.51	
			{321	2.50	
1	19.05	2.36	041	2.352	
5	19.5	2.31	{141	2.303	
			{340	2.297	
$\frac{1}{2}$	20.15	2.24	510	2.231	
2	20.85	2.17	{241	2.173	
			{421	2.159	
$\frac{1}{2}$	21.4	2.11	520	2.116	
1	22.35	2.03	{002	2.027	
			{440	2.026	
			{341	1.998	
7	22.8	1.989	{431	1.992	
			{501	1.983	
1	23.55	1.929	060	1.925	
			{022	1.913	
2	23.85	1.907	{202	1.909	
			{600	1.895	
$\frac{1}{2}$	24.3	1.873	610	1.870	
			{351	1.774	
4	25.75	1.774	{132	1.772	
			{312	1.766	
1	26.15	1.749			
$\frac{1}{2}$	26.8	1.710			
$\frac{1}{2}$	27.85	1.650			
4	28.9	1.595			
1	29.45	1.568			
4	30.5	1.519			
2	31.4	1.480			
2	31.85	1.461			
1	32.4	1.439			
1	33.05	1.414			
3	33.85	1.384			
4	35.2	1.337			
1	36.1	1.308			
1	36.9	1.284			
2	39.3	1.217			
1	40.2	1.194			
3	41.3	1.168			
2	43.7	1.116			
1	45.3	1.085			
3	52.1	0.977			