

INDEX TO VOLUME 7

PREPARED BY EDW. F. HOLDEN

Original articles are in **bold face type**; abstracts and cross references in ordinary type. To save space only minerals described in more or less detail are indexed; and titles of abstracted articles are not cross-indexed under authors' names.

Absorption of pleochroic xls. (Nagaoka).....	18	Asiatic minerals.....	137
Adams, E. O.....	184	At. wts., detn. by X-rays (Kanolt)	182
Adams, L. H. (with Roberts). Use of minerals as radio-detectors..	131	Augite and hornblende Kilimanjaro (Washington and Merwin).	121
African minerals.....	37, 86, 121	Backlund, H.....	91, 165
Agates, banded (Liesegang).....	202	Bakewell, Robt. Mineralogy....	143
Albite.....	113	Bancroft, W. D.....	17
Allen, E. T.....	111	Barite and epidote (Jezek and Krejci).....	201
Alling, H. L.....	180	Bastin, E. S.....	165
Allotropy theories (Terwen).....	34	Bauer, M.....	94
Alteration product from Park City (Newhouse).	108	Becquerelite (Schoep).....	179
Aluminum phosphate (Grosspietsch).....	178	Belgian minerals (Buttgenbach)..	202
Amblygonite (Blacklund).....	165	Belleville Copper-Mine (Black) ..	154
Aminoff, G.....	93, 182, 184, 202	Bementite and neotocite (Pardee, Larsen, and Steiger).....	76, 148
Amosite.....	44	Benitoite, Laue diagrams (Rinne)..	198
Amyrolin, properties (Rose).....	183	Berwerth, F.....	18
Analcite from N. S. (Parsons)....	47	Beutell, A.....	18, 166
Anatase, etc., structure (Johnsen)	197	Biehl, F. K.....	180, 181
Andesine (Grosspietsch).....	199	Biolites and pisolites (Issel)....	199
Andrews, W. S. Preparation of fluorescent and phosphorescent compounds.	19	Bisbeeite, optical properties and morphology (Rogers)	153
Anglesey, geology of (Greenly)....	214	Black, G. F. Belleville Copper-Mine	154
Anglesite (Kraus and Peck).....	35	Boeke, H. E.....	92
Anisotropic liquids, electric conduction in (Svedberg, Voigt) ..	110	Bogitch, F.....	18
Anisotropic orientation on cleavages (Grandjean).....	110	Bornite-chalcopyrite intergrowth, so-called, (Uglow)	1
Anisotropic visibility of contact with xls. (Grandjean).....	110	Bowen, N. L. Two corrections to mineral data (47), 64	
Anleitung zur Bestimmung der Mineralien (Fuchs-Brauns) [book review].....	30	Bowles, O. Economic mineralogy (47), 67	
Anorthite.....	113	Brandtite, Xillography (Aminoff)..	184
Antimonial Ag-Pb veins of Arabia district, Nev. (Knopf).....	165	Brauns, R.....	30, 94, 200
Antimony ores of Shiu Chow, China (Hubbard)	137	Brieger, K.....	182
Antimony tribromide, crystallography of (Slawson)	173	Bulletin Suisse de Minéralogie et Pétrographie.....	17
Apatite.....	28	Bushveld complex.....	44
Aphthalite from Etna (Ponte)..	201	Bustamite from Franklin Furnace (Larsen and Shannon)	95
Aragonites (Castro-Barea).....	166	Buttgenbach, H.....	202
Arizona minerals.....	80, 153	C ₁₁ H ₉ O ₂ N, Xillography (Johnsen)	198
Asbestos.....	44	Cadmium phosphate.....	20
in So. Africa (Hall).....	164	sulphate, anhydrous... ..	21
		zinc phosphate.....	21

- Calamine of fossil bones (Buttgenbach)..... 202
 Calcite, curved xls. (Aminoff)... 93
 ——— from Libušín (Ondrej).. 200
 ——— from Poland (Kreutz).. 34
 ———, sand, (Wanless)..... 83
 California minerals. 47, 48, 77, 169, 208
 Camsellite (Ellsworth and Poitevin)..... 129
 Canadian minerals..... 1, 47, 100
Carbonaceous substance, (Holden)..... 161
 Carbonates (Leitmeier)..... 36
 Carborundum..... 132
 Caryopillite..... 76
 Castro-Barea, P..... 166
Century old mineralogy, a (Gledhill)..... 143
Ceruleofibrite, a new mineral (Holden)..... (47), 80
 ——— **constitution (Wherry)** .. 145
 Chalcanthite..... 74
 Chalcopyrite..... 1
 Change in xl. angle with temp. (Rinne and Grossman)..... 93
 Chlorite, white, from Pa. (Shannon and Wherry)..... 48
 Chromite..... 43
 Chubutite, (Rimann)..... 183, 213, 178
 Ciusa, R..... 111
 Clay, peculiar type (Ries)..... 111
 Cobalt-chalcantite..... 75
 Cobalt, minerals from (Ellsworth). 200
 Cobalt minerals, (Schoep)..... 194
 Cohesion, conductivity, and xl. structure (Johnsen)..... 182
 Colloidal solns., anisotropic (Reinders)..... 183
 Colloid chemistry, research problems (Bancroft)..... 17
 Colombia, minerals (Bauer)..... 94
 Color, absolute system (Ostwald). 92
 ———, apparatus for measuring (v. Hübl)..... 92
Composition of minerals (Wherry)
 Connecticut minerals..... 4
 Copper ores..... 42, 154
Corrections to mineral data (Bowen)..... (47), 64
 Corundum..... 43, 188
Corundum Hill, N. C. (Gordon).. 189
 Crestmore, silicates at (Eakle)... 48
 Cristobalite (Le Chatelier)..... 111
 Crocidolite from Pa. (Wherry and Shannon)..... 47
 Crystal classes, grouping (Tertsch) 33
 ——— from the Binn Valley (Smith)..... 213
 ——— lattice structure (Tertsch). 182
 Crystalline liquids (Gaubert).... 111
 Crystallization of metals, velocity of (Czohral ski)..... 183
 ——— strength (Suess)..... 35
 Crystallographic notes (Wherry).. 46
 Crystallography and Practical Crystal Measurement (Tutton) [book review]..... 160
 Crystallography, book reviews
 ——— of three minerals from R. I. (Hawkins). 27, (47)
 ———, plans and elevations in teaching (Rogers)..... 46
 ———, presentation (Ruska) 34
 Crystal planes and edges, structure of (Johnsen)..... 183
 ——— structure and chemism (Niggli)..... 182
 ——— symmetry, study of (Rogers)..... 46
 Cuproplumbite..... 181
 Cuprozinclite..... 181
 Curite (Schoep)..... 128
Cyprine from Franklin Furnace (Shannon)..... 140
 Czohral ski, J..... 183
 Dana's Textbook of Mineralogy, 3d ed. (Ford) [book review]... 71
 Datolite from Rodella (Koechlin). 182
 Delafossite from, Nev. (Rogers).. 102
 de Lapparent, J..... 200
Deliquescent crystals, apparatus for handling (Slawson)..... 25
 Density of solids, detn. (Le Chatelier and Bogitch)..... 18
 Determinative Mineralogy (Warren) [book review]..... 14, 211
 Dewindtite (Schoep)..... 162
Diamond, crystal (Ramsdell).... 158
 ———..... 37
 Diaspore from Siebengebirge and Naxos (Waterkamp)..... 35
 Dissociation pressures of sulfides (Allen and Lombard)..... 111
 Dittler, E..... 183
 Dupuy-de-Lome, E..... 165
 Eakle, A. S. Silicates of Crestmore, Cal..... 48
 ——— **Massive troilite from Del Norte Co., Cal.**..... (47), 77
Eakleite from Isle Royale, Mich. (Foshag and Larsen)..... 23
Economic mineralogy (Bowles). (47), 67
 Ehringhaus, A..... 198
 Eitel, W..... 164
 Electrolyte with colloid and xln. phases (Sandqvist)..... 35

- Elemente der Physikalischen und Chemischen Krystallographie (Groth) [book review]..... 29
- Ellsworth, H. V. 129, 200
- Epidote..... 28
 group, xl limits (Eitel)..... 164
- Essentials for the Microscopical Determination of Rock-forming Minerals and Rocks (Johannsen) [book review]..... 146
- European minerals..... 98
- Exchange of bases in permutite (Ramann and Spengel)..... 18
- Feldspar in limestone (de Laparent)..... 199
- Feldspars, mineralography of (Alling)..... 180
- Fellows of M. S. A..... 51
- Fenner, C. N..... 112
- Ferguson, H. G..... 166
- Ferguson, J. B..... 112
- Fernandez-Navarro, L..... 184
- "Figurative" rock objects (Issel)..... 199
- Flink, G..... 214
- Fluorescent and phosphorescent compounds, (Andrews)**..... 19
- Fluorites, polarization phenomena (Parsons)**..... 142
- Ford, W. E. Dana's Textbook of Mineralogy, (book review)..... 71
- Foshag, W. F. and Larsen. Eakleite from Isle Royale, Mich. and Wherry. Notes on the composition of talc.**..... 23
- Four component systems (Boeke)..... 167
- Foye, W. G. Mineral localities in the vicinity of Middletown, Conn.**..... 4
- Fraenkel, W..... 109
- Freudenberg, W..... 197
- Fuchs-Brauns. Anleitung zur Bestimmen der Mineralien (book review)..... 30
- Galena..... 108, 132
- Galizzi, A..... 178
- Garnet from a pegmatite in Idaho, (Shannon)**..... 171
- Gaubert, P..... 111
- Gavite..... 167
- Gem mounts of the American Museum of Natural History (Whitlock)**..... 190
- Gillespite..... 147
- Gilligan, A..... 93
- Gledhill, T. L. A century old mineralogy.**..... 143
- Glenn, M. L..... 74
- Gmelinite..... 101
- Gold..... 40
- Gordon, S. G. Corundum Hill, N. C.**..... 189
- Grandinger, H..... 93
- Grandjean, F..... 110
- Greenly, E..... 214
- Greenwood, H. W..... 91
- Gross, R..... 199
- Grossman, R..... 93
- Grosspietsch, O..... 178, 199
- Groth, P. Elemente der Physikalischen und Chemischen Krystallographie [book review]..... 129
- Groth and Mieleitner. Mineralogische Tabellen [book review]..... 30
- Growth phenomena of Cu, Ag, Au (Beutell)..... 166
- Grühn, A..... 93, 112
- Gypsum twins (Stolley)..... 93
- Hackl, O..... 180
- Haga, H..... 34
- Hall, A. L..... 164
- Hallimond, A. F..... 198
- Hardness of alloys (Ludwik)..... 92
 — recent investigations of (Rosiwal)..... 92
- Hatchettite of Hainaut (Stainier)..... 202
- Hausmannite, gliding and opt. props. (Mügge)..... 36
- Hawkins, A. C. Crystallography of three minerals from Rhode Island.**..... 27, (47)
- Heaping-up method (Wülfing)..... 34
- Hedvall, J. A..... 112
- Hematite and corundum, gliding (Johnsen)..... 93
 — magnetic props. (Smith)..... 36
 27
- Hibsch, J. E..... 111
- Hoel, A..... 200
- Holden, E. F. Carbonaceous substance.**..... 161
 Ceruleofibrite, a new mineral...... (47), 80
 — Study of the constitution of thaumasite..... 12
- Holmes, A. Petrographic Methods and Calculations [book review]..... 89
- Hornblende..... 121
- Howes, H. L..... 18
- Hubbard, G. D. Antimony ores of Shiu Chow, China.**..... 137
- Hunt, W. F. [Book reviews]..... 146, 193, 211
- Hydrozincite (Perrier)..... 201
- Ice, Laue photodiagram of (Gross)..... 199
- Idaho minerals..... 171
- Ilmenite..... 185

- Ilvaite, cause of steel-like lustre (Mügge)..... 94
- Index minerals for interpretation of geologic history (Runner)... 48
- Interference colors (Wenzel)..... 198
- of quartz (Liebisch and Wenzel)... 109
- figures, observation of (Ehringhaus)..... 198
- International Geological Congress Introduction to Mineralogy, Robt. Bakewell's..... 143
- Iron-copper-chalcanthite..... 75
- Isomorphous substances, structure (Rinne)..... 198
- Issel, A..... 199
- Jades (Washington)..... 47
- Jaeger, F. M..... 34, 36
- Jänecke, E..... 18
- Japan, minerals of (Wada)..... 213
- Jezek, B..... 201
- Johannsen, A. Essentials of Rock-forming Minerals and Rocks [book review]..... 146
- Johnsen, A..... 93, 182, 183, 197, 198, 201
- Johnston, R. A. A..... 164
- Jordanite, gliding (v. Goetze).... 166
- Kahn, J..... 36
- Kalb, G..... 110
- Kanolt, C. W..... 182
- Kaolinite at high temps. (Matejka)..... 200
- Kasolitě (Schoep)..... 128
- Kieserite xls. (Grandinger)..... 93
- Kimberlite..... 39
- Kimura, K..... 197
- Knopf, A..... 165
- Koehlin, R..... 36, 182
- Koenig, G. A..... 76
- Koenigsberger, J..... 112
- Kraus E. H.** [Book reviews] 29, 30, 160, 161, 211
- **Mineralogy for Students of Dentistry**..... (48), 203
- 35
- Krejčí, A..... 201
- Kreutz, St..... 34
- Kristalle als Vorbilder des feingebaulichen Wesens der Materie, (Rinne) [book review]..... 161
- Kučera, B..... 201
- Lacroix, A..... 112, 166, 194, 212
- Laitakari, A. Petrography and Mineralogy of the Limestone Deposits of Parainen [book review]..... 176
- Laney, F. B..... 165
- Larsen, E. S. Microscopic Determination of Nonopaque minerals [book review]..... 33, 69
- Larsen E. S..... 74, 76, 148
- with Foshag. **Eaklite from Isle Royale, Mich.**... 23
- Larsen, E. S. (with Shannon) **Bustamite from Franklin Furnace, N. J.**..... 95
- Larsen, E. S. (with Shannon) **New rhodonite specimens from Franklin Furnace**..... 149
- Lattermann, G..... 197
- Laue, M. v..... 35
- Le Chatelier, H..... 18, 111
- Lehmann, O..... 35, 183
- Lehrbuch der Mineralogie (Niggli) [book review]..... 125
- Leitmeier, M..... 36
- Lewis, J. V. A Manual of Determinative Mineralogy. [book review]..... 57
- Liebisch, T..... 109
- Lignites, certain constituents (Ciusa and Galizzi)..... 178
- Lime-Fe₂O₃ system (Sosman and Merwin)..... 111
- Liquid xls. structure (Lehmann) 35, 183
- oily streaks in (Lehmann)..... 35
- (Voigt)..... 35
- List of New Crystal Forms (Whitlock) [book review]..... 193
- Ludwik, P..... 92
- Mac Dougall, E..... 111
- Magnesite deposit..... 162
- Magnesium carbonate in Spain (Dupuy-de-Lome and Maquieira-de-Borbon)..... 165
- Magnetite, twinning (Gruhn).... 112
- Magnusson, N. H..... 165
- Manganese-chalcanthite..... 75
- Manganese silicate, hydrated.... 152
- Manual of Determinative Mineralogy (Lewis) [book review].. 57
- Maquieira-de-Borbon, C. F..... 165
- Massachusetts minerals..... 168
- Matejka, J..... 200
- Mc Cance, A..... 112
- Melanovanadite (Lindgren, Hamilton, Palache)..... 163
- Melanterite..... 74
- Members of M. S. A..... 52
- Mercury iodide, III (Smits)..... 110
- colorless form (Tammann)..... 110
- Merwin, H. E., (with Washington) Augite and hornblende from Kilimanjaro**..... 121

- Merwin, H. E. 111
- Meteoric irons of Pallas and Canyon Diablo, origin (Meunier) . . 164
- Meteorites (Backlund) 91
- Meunier, S. 164
- (Mg, Zn) $\text{SO}_4 \cdot 7\text{H}_2\text{O}$, mixed xls. (Viola) 112
- Michigan minerals 23
- Microscope, (Wulfing) 182
- Microscopic Determination of Nonopaque Minerals, (Larsen) [book review] 33, 69
- Middletown, Conn., mineral localities in vicinity of (Foye)** 4
- Mikroskopische Physiographie der Mineralien und Gesteine (Rosenbusch-Wulfing) [book review] . . 211
- Mineral genesis in South Africa, (Palache)** 37, 46
- occurrences in the Steiermark (Sigmund) 93
- Mineralogical Soc. of Am., annual meeting 45
- fellows 51
- members 52
- papers read before 46
- report of editor for 1921 50
- report of secretary for 1921 49
- report of treasurer for 1921 49
- Mineralogische Tabellen (Groth and Mieleitner) [book review] . . 30
- Mineralogy, book reviews 14, 30, 57, 69, 71, 89, 146, 176, 211
- Mineralogy for Students of Dentistry (Kraus)** (48), 203
- Minerals, new (including doubtful species)
- Bementite 76
- Becquerelite 179
- Calcio-biotite 214
- Camsellite 129
- Caryopillite 76
- Ceruleofibrite 47, 80, 145
- Cobalt-chalcanthite 75
- Cupopumbite 181
- Cuprozincite 181
- Curite 128
- Daiton-sulfur 213
- Dewindtite 162
- Fluor-meionite 214
- Gillespite 147
- Heterogenite 194
- Hydro-glockerite 214
- Iron-copper-chalcanthite 75
- Iron-pyrochroite 214
- Kasolite 128
- Manganese-chalcanthite 75
- Melanovanadite 163
- Neotocite 148
- Oranite 180
- Palmierite 195
- Parabayldonite 181
- Paraurichalcite 180
- Paravauxite 108
- Pseudomendipite 213
- Rubber-sulfur 213
- Simonellite 178
- Sinco-site 163
- Soddite 179
- Stasite 196
- Thorveitite 195
- Torendrikite 212
- Vauxite 108
- Wodanite 197
- Zinc-copper-chalcanthite 74
- melanterite 74
- unnamed 178, 180, 197, 213
- unidentified 152
- Minerals, noteworthy; (Ruska) . . 35
- Mixed xls., anomalous double refraction in (Tammann) 183
- Molybdophyllite, (Aminoff) 182
- Monazite in Millstone grit (Gilligan) 93
- Monochromatic light (Peck)** . . (48), 104
- Monticellite (47), 66
- Moravian minerals (Kučera) 201
- Morgan Memorial Hall 109
- Morphine and derivatives, (Wherry and Yanovsky) 184
- Mügge, O. 36, 92, 94
- Müller, W. J. 112
- Nacken, R. 110
- Nagaoka, H. 18
- Neotocite 148
- Nepheline-bearing pegmatites (Hoel and Schetelig) 200
- Nepheline-phonolite minerals (Hibsch) 111
- Nephelite, Laue diagrams (Rinne) . 199
- Nevada minerals 102
- Newark Mineralogical Society 90
- Newhouse, W. H. Unusual alteration product from Park City** 108
- New Jersey minerals 31, 56, 72, 95, 149, 154
- New York Mineralogical Club 31, 56, 72, 107, 126, 209
- New York minerals 16
- Ni-As mineral, new (Hackl) 180
- Nichols, E. L. 18
- Nickel ores 42
- Nickel oxide, compounds and mixed xls. of (Hedvall) 112
- Niggli, P. 36, 111, 182
- Lehrbuch der Mineralogie [book review] 125
- Nitrate deposits, Calif 212
- Nordenskiöld, N. 148
- North Carolina minerals 189

- Okenite..... 101
Olivine group, (Magnusson)..... 165
Ondrej, I. A..... 200
Optical glass, milkiness (Fenner and Ferguson)..... 112
Optic axes of triclinic crystals (Johnsen)..... 201
Oranite..... 180
Orientation of cholesterol salts, etc. on crystals (Grandjean)..... 110
Orthoclase xls. from Zarzalejo (Fernandez-Navarro)..... 184
Ostwald, W..... 92
- Palache, C. Mineral genesis in South Africa**..... 37, (46)
Palmierite, (Zambonini)..... 195
Parabayldonite..... 181
Paraurichalcite..... 180
Paravauxite..... 108
Pardee, J. T..... 76, 148
Parsons, A. L. Analcite from N. S. Polarization phenomena of certain fluorites... 142
Parsons, A. L. Preservation of mineral specimens..... (48), 59
Peck, A. B. Monochromatic light source..... (48), 104
..... 35
Pennsylvania minerals... 16, 32, 47, 48
Perrier, C..... 201
Petrographic Methods and Calculations (Holmes) [book review]... 89
Petrography and Mineralogy of the Limestone Deposits of Parainen (Laitakari) [book review]..... 176
Petrography, book reviews..... 89, 146, 176, 211
Philadelphia Mineralogical Soc. 16, 32, 56, 73, 90, 107, 127, 146, 192, 210
Phosphorescence of uranyl salts (Nichols and Howes)..... 18
Pickeringite, (Zsivny)..... 94
Pinaverdol, crystallography and opt. props. (Wherry and Adams) 184
Pipernoid tuffs (Zambonini)..... 214
Plagioclase feldspars, a case of atomic isomorphism (Wherry)... 113
Plagioclases, change in angle (001) \vee (010) (Rinne)..... 92
Platinum of Madagascar (Lacroix) 112
..... ores..... 43
Poitevin, E..... 129
Ponte, G..... 201
Potassium aluminum sulfate (Ramann and Spengel)..... 201
Precious stones in the Urals (Purington)..... 94
Prehnite from Adams Sound (Johnston)..... 164
Prehnite from Adams Sound (Simmersbach)..... 94
Preservation of mineral specimens (Parsons)..... (48), 59
Prior, G. T..... 199
Pukall, W..... 112
Purington, C. W..... 94
Pyrite..... 132
Pyrobelonite (Flink)..... 214
Pyrrhotite..... 79
- Quartz from Bohemia (Ondrej)..... 200
..... twins, Brazil (Brauns)..... 200
- Radio-detectors, use of minerals as (Robert and Adams)**..... 131
Ramann, E..... 18, 201
Ramsdell, L. S. Diamond crystal... 158
Reaumeurite..... 47, 65
Reinders, W..... 183
Ries, H..... 111
Rhode Island minerals..... 27, 47
Rhodonite, new specimens, from Franklin Furnace (Larsen and Shannon)..... 149
Rimann, E..... 183, 213
Rinne, F. Die Kristalle als Vorbilder des feinbaulichen Wesens der Materie [book review]... 161
Rinne, F..... 92, 93, 198, 199
Rivaite..... 47, 64
Roberts, H. S. and Adams. Use of minerals as radio-detectors... 131
Roentgen diagrams (Haga and Jaeger)..... 34
..... (Laue)..... 35
Rogers, A. F. Bisbeeite, optical properties and morphology... 153
Rogers, A. F., Crystal symmetry, study of..... 46
..... Crystallography, plans and elevations in teaching 46
Rogers, A. F. Delafossite from Kimberly, Nev...... 102
..... Study of minerals and rocks [book review]..... 89
Rose, H..... 183
Rosenbusch-Wulffing, Mikroskopische Physiographie der Mineralien und Gesteine [book review] 211
Rosický, V..... 200
Rosiwal, A..... 92
Runner, J. J. Minerals for interpretation of geologic history... 48
Ruska, J..... 34, 35
Rutile, artificial gliding (Grühn and Johnsen)..... 93
Rutile-ilmenite intergrowths (Watson)..... 185
Rutile, secondary, in Millstone grit (Greenwood)..... 91

- Samarskite from Japan (Shibata and Kimura) 197
- Sandqvist, H. 35
- Sanidine twins (Brauns) 94
- Scapolite (Sundius) 164
- from Madagascar (Lacroix) 166
- Schaller, W. T. 147
- Schetelig, J. 195, 200
- Schlossmacher, K. 202
- Schoep, A. 128, 179, 194, 196
- Scott, A. 111
- Semseyite (Smith and Prior) 199
- Shannon, E. V. Cyprine from Franklin Furnace, N. J.** 140
- Garnet from a pegmatite in Idaho 171
- (with Larsen) Bustamite from Franklin Furnace, N. J. 95
- Shannon, E. V. (with Larsen) Rhodonite from Franklin Furnace** 149
- Shannon, E. V. with Wherry. White chlorite from Pennsylvania 48
- Shannon, E. V. with Wherry. Crocidolite from Pennsylvania 47
- Shibata, Y. 197
- Sigmund, A. 93
- Silica bricks, inversions in (Scott) 111
- produced by algae (de Lapparent) 200
- Simmersbach, H. 94
- Simonellite 178
- Sincosite (Schaller) 163
- Sjögren's mineral collection, studies on (Aminoff) 202
- Slawson, C. B. Apparatus for handling deliquescent crystals.** 25
- Slawson, C. B., book review.** 89
- Crystallography of antimony tribromide 173
- Smaltite and chloanthite, microscopic investigation (Beutell) 18
- Smith, G. F. H. 199, 213
- Smith, T. T. 36
- Smits, A. 110
- Soddite (Schoep) 179
- Sodium carbonate minerals of the Mogadi Lakes, Brit. E. Africa (Walther)** 86
- Sodium chloride, on mica (Kalb) 110
- Sodium minerals, Madagascar (Lacroix) 212
- Sodium sulfate, transformation of (Jänecke) 18
- Sonstadt's solution, alteration of silicates by (Walker)** 100
- Sosman, R. B. 111
- South Dakota minerals 83
- Spec. gr. of melted salts, detn. of (Jaeger and Kahn) 36
- Spengel, A. 18, 201
- Spinellite, Ti-bearing (Watson and Steiger) 165
- Stainier, X. 202
- Stasite (Schoep) 196
- Steel, inclusions in (McCance) 112
- Steiger, G. 76, 148, 165
- Stewart, A. W. 111
- Stibnite 137
- Stoček, B. 201
- Stoklossa, G. 112
- Stolley, E. 93
- Strengite and diaspore (Köchlin) 36
- Study of Minerals and Rocks (Rogers) [book review] 89
- Suess, F. E. 35
- Sulfur and barite (Kreutz) 34
- Sulfuric acid, absorption by Fe hydroxides (Dittler) 183
- Sundius, N. 164
- Svedberg, T. 110
- Synchronphosphoscope (Nichols and Howes) 18
- Synthesis, mineral (Niggli) 111
- hydrothermal (Müller and Koenigsberger) 112
- Talc, notes on the composition of (Foshag and Wherry)** 167
- Tammann, G. 110, 183
- Tellurium from Ruda (Berwerth) 18
- Tertsch, H. 33, 92, 182
- Terwen, J. W. 34
- Thaumasite, constitution (Holden)** 12
- Thorveitite (Schetelig) 195
- Tin deposits Va. (Ferguson) 166
- Tin, gliding in (Mügge) 92
- TiO₂ and CO₂ in alkali melts (Niggli) 36
- Tonopah, Nev., genesis of ores at (Bastin and Laney) 165
- Topaz, xl. form-series (Rosický) 200
- Tourmaline (Schlossmacher) 202
- Tourmaline, zonally colored (Tertsch) 92
- Troilite, massive, from Del Norte Co., Calif. (Eakle)** (47), 77
- Trona 86
- Tschermak, G. 166
- Tsumeb, ore deposits of (Biehl) 180
- Tungsten mine at Trumbull, Conn., (Shannon) 214
- Tutton, A. E. H. Crystallography and Practical Crystal Measurement [book review] 160
- Uglow, W. L. So-called bornite-chalcocopyrite intergrowth.** 1
- Uranium micas (Stoček) 201

- Uranyl fluoride. 22
 Uranyl salts, phosphorescence of
 (Nichols and Howes). 18
 Utah minerals. 108
 Vauxite. 108
 Velká Skála, minerals from (Jezek
 and Krejčí). 201
 Velocity of crystn. in under-cooled
 fusions (Nacken). 110
 Vernadsky, W. 194
 Vesuvianite, chemical relation-
 ships in (Tschermak). 166
 Viola, C. 112
 Virginia minerals. 185
 Vogtite, crystallography of (Hal-
 limond). 198
 Voigt, W. 35, 110
 von Goetze, M. 166
 von Hübl. 92
 Wada, T. 213
 Walker, T. L. Alteration of sili-
 cates by Sonstadt's solution. 100
 Walther, P. Sodium carbonate
 minerals of Mogadi Lakes,
 Brit. E. Africa. 86
 Walther, P. 145
 Wanless, H. R. Sand calcite from
 S. D. 83
 Warren, C. H. Determinative
 Mineralogy [book review]. 14, 211
 Washington, H. S. Jades. 47
 and Merwin.
 Augite and hornblende from
 Kilimanjaro. 121
 Washington minerals. 76
 Waterglass and alkali silicates
 (Pukall). 112
 Waterkamp, M. 35
 Water of crystn., opt. behavior
 of (Brieger). 182
 Watson, T. L. Rutile-ilmenite
 intergrowths. 185
 165
 Weak double refraction, use of
 sensitive tints (Wenzel). 109
 Wenzel, A. 109, 198
 Wherry, E. T. **Ceruleofibrite,**
 constitution of. 145
 Compositions of
 minerals. 32
 Crystallographic
 notes. 46
 Plagioclase feld-
 spars, a case of atomic isomor-
 phism. 113
 Wherry, E. T. book reviews. 14, 57, 69
 71, 89, 125, 176
 17, 184
 with Foshag. **Notes**
 on the composition of talc
 with Shannon. 167
 Crocidolite from Pennsylvania. 47
 Wherry, E. T. with Shannon.
 White chlorite from Pa. 48
 Whitlock, H. P. **Gem mounts of**
 the American Museum of
 Natural History. 190
 Whitlock, H. P. A List of New
 Crystal Forms of Minerals
 [book review]. 193
 Willemite. 19, 152
 Wodanite (Freudenberg, Latter-
 mann). 197
 Wollastonite. 64
 Wright, R. 111
 Wülfing, E. A. 34, 182, 211
 Yanovsky, E. 184
 Zamboni, F. 195, 214
 Zeolites, compact (Hibsch). 111
 water in (Stocklossa). 112
 Zinc-copper-chalcanthite. 74
 -melanterite. 74
 sulfide, (MacDougall, Ste-
 wart, and Wright). 111
 Zinc sulfate, anhydrous. 22
 xls. in rods (Fraenkel). 109
 Zsivny, V. 94