

INDEX TO VOLUME 25

Leading articles are in **bold face** type; notes, abstracts and reviews are in ordinary type. Only minerals for which definite data are given are indexed.

Ablykite. (Sedletzky, Yussupova).	768	Aurichalcite in Missouri. (Keller).	375
Acanthite, crystal system and unit cell. (Ramsdell).....		Austinite (structural data).....	457
Adigeite. (Efremov).....	212	Australite structures and their or- igin. (Baker).....	154
Adirondack igneous rocks and their metamorphism. (Buddington) [Book review].....	155	Axinite, plum colored, new local- ity for.....	552
Akermanite-gehlenite-pseudowol- lastonite system. (Osborn, Schairer).....		Ayres, V. L. Mineral notes from the Michigan iron country.....	203, 432
Albite-sphene binary system. (Prince).....	211	Bagrowski, B. P. Occurrence of millerite at Milwaukee, Wis- consin.....	556
Albite-twinning lamellae, width of. (Donnay).....	212	Baker, G. Cordierite granite from Terip Terip, Victoria.....	543
Allanite from Barringer Hill, Llano Co., Texas. (Marble).....	578	Barth, T. F. W., Correns, C. W., Eskola, P. Die Entstehung der Gesteine. [Book review].....	154
Allanite (optical data and analysis)	168	Bartlett meteorite, Bell Co., Texas. (Bullard).....	308
Allchin, J. P.	397	Bastnäsite (optical data).....	205, 497
Allen, V. T. and Wells, R. C. with Wentworth, C. K. Ceramic clay in Hawaii.....	305	Behre, C. H. Jr.	401
Alling, H. L. Book review.....	313	Bell, K. G.	203
Alumodeveillite. (Efremov).....	38	Bellingerite, a new mineral from Chuquicamata, Chile. (Ber- man, Wolfe).....	208
Alunite.....		Berman, H. and Wolfe, C. W. Bellingerite, a new mineral from Chuquicamata, Chile....	505
Amblygonite. (structural data)....	473	Berry, L. G. Studies of mineral sulpho-salts. IV. Galenobis- mutite and "Lillianite.".....	153, 204
Analyses of metamorphic and ig- neous rocks, geographical clas- sification of. (Mathews).....		Bertrandite and beryl, new occur- rence at Cornwall. (Phe- mister)	726
Anapaite.....	627	Bobierrite.....	379
Andesite, Cascade Mts., Oregon. (Bogue, Hodge).....	788	Bogue, R. and Hodge, E. T. Cas- cade andesites of Oregon....	806
Annabergite.....	209	Bosazza, V. L. Notes on refractive index liquids.....	627
Antarctica. (Taylor) [Book review]	804	Bowley, H.	299
Apsouri, C. N.	625	Boxhole meteoritic iron, central Australia. (Madigan, Alder- man).....	313
Aramayoite, crystallography of. (Berman, Wolfe).....	203		154
Armstrong, L. C. Decomposition and alteration of feldspars and spodumene by water.....	153		
Arsenopyrite, optical evidence of twinning in. (Lukesh).....	810		
Arsenopyrite, thermal decomposi- tion of. (Lukesh).....	619		
Arsenrösslerite. (Friedrich, Rob- itsch).....	539		
Attapulgite, structural scheme of. (Bradley).....	313		
	204, 405		

- Bradley, W. F.** Structural scheme of attapulgite..... 204, 405
- Brandite**..... 750
- Buddhue, J. D.** Some constituents of meteorite rusts..... 435
- Buddington, A. F.** Adirondack igneous rocks and their metamorphism. [Book review].... 305
— Book review..... 90
- Buerger, M. J.** Memorial of Walde-mar Lindgren..... 184
- Buerger, N. W.**..... 205
- Bullard, F. M.** Bartlett meteorite, Bell Co., Texas..... 205, 497
- Burfoot, J. D. Jr.**..... 206
- Butler, J. W. Jr.** Detrital dihexahedral quartz crystals in a sediment in Upper Magdalena Valley, Colombia, S.A..... 145
- Calcio-gadolinite.** (Nakai)..... 312
- Callainite**..... 723
- Carbonate-apatites. III.** Carbonate-apatite from Magnet Cove, Arkansas. (McConnell, Gruner)..... 157
- Cascade andesites of Oregon. (Bogue, Hodge)**..... 627
- Catalogue of meteorites, second appendix. (Hey) [Book review].. 768
- Ceramic clay in Hawaii.** (Went-worth, Wells, Allen).....
- Cerite, radioactive, near James-town, Colo.** (Goddard, Glass). 381
- Chao, S. H..... 311
- Chkalovite. (Gerasimovsky)..... 380
- Chuquicamata copper mine. (Head)..... 377
- Cinnabar, spectrographic study of (Dreyer)..... 207
- Classification of elements, sulphides and sulpho-salts. (Berman).... 204
- Classification of minerals of the type A₂(XO₄)₂.nH₂O.** (Wolfe)..... 738, 787
- Clays, thin sections of. (Weather-head)..... 311
- Clinobarrandite and the isodimensional series variscite-metavariscite.** (McConnell).... 719
- Collinsite (chemical and x-ray data)..... 746
- Colloidal gold as a colouring prin-
- ciple in minerals. (Friend, Allchin)..... 378
- Color blindness among students of mineralogy. (Grawe)..... 302
- Columbite**..... 59
- Columbite crystals, morphology of.** (Taylor)..... 123, 214
- Composite dike at Brockhill, Worcestershire. (Taylor)..... 378
- Conference on applied nuclear physics..... 622
- Connolly, J. P.** Memorial of William A. Tarr..... 189
- Contact metamorphism of the Katahdin granite. (Philbrick)..... 212
- Contact metamorphism at Rye Patch, Nevada. (Vitaliano).... 215
- Cordierite, gem, from Great Slave Lake area, Canada.** (Folinsbee)..... 216
- Cordierite granite from Terip Terip, Victoria.** (Baker)..... 543
- Correns, C. W. and Eskola, P. with Barth, T. F. W. Die Entstehung der Gesteine. [Book review]..... 308
- Corundum, mineral associations of. (Tomlinson)..... 215
- Cristobalite in bentonite.** (Gruner)..... 587
- Cryphiolite (analysis)..... 417
- Crystal chemistry of the phosphates, arsenates and vanadates of the type A₂XO₄(Z).** (Richmond)..... 441
- Crystal chemistry. (Stillwell) [Book review]..... 249
- Crystal habit and optics of NaF, LiF, NaCl, KCl, KBr and KI, effect of dyes on.** (Frondel).... 91
- Crystal habit variation in NaF.** (Frondel)..... 338
- Crystallographic calculations, notes on. (Hey)..... 311
- Cuprobismutite, a mixture.** (Palache)..... 211, 611
- Cu₂S-CuS system, x-ray investigation of the solid phases of. (Buerger)..... 205
- Cuthbert, F. L.** Petrography of two Iowa loess materials..... 206, 519

- Dadson, A. S. with Peacock, M.
 A. Rammelsbergite and para-
 rammelsbergite..... 561
- Davies, G. M. with Evans, J. W.
 Elementary crystallography.
 [Book review]..... 560
- Decomposition and alteration of
 feldspars and spodumene by
 Water. (Armstrong)..... 810
- Deer, W. A. with Wager, L. R.
 Petrography of the Skaer-
 gaard intrusion of Kangert-
 lugssuaq, E. Greenland. [Book
 review]..... 308
- Deveilite. (Efremov)..... 155
- de Villiers, J. E..... 379
- Diamond, variation in hardness of.
 (Kraus, Slawson)..... 88
- Dichroscope, simple. (Thibault).... 209
- Die Enstehung der Gesteine.
 (Barth, Correns, Eskola) [Book
 review]..... 434
- Dihydite. (Ayres)..... 308
- Dimler, R. J. and Stahmann, M.
 A. Mount for universal stage
 study of fragile minerals..... 502
- Dioprase, new occurrence in Ari-
 zona. (Galbraith, Kuhn)..... 708
- Discredited species..... 626
- Dittler, E..... 155
- Djalmaite. (Guimaraens)..... 440
- Doeglas, D. J., Reliable and rapid
 rapid method for distinguishing
 quartz and untwinned feld-
 spar with the universal stage.. 286
- Dolerophanite, crystallography of.
 (Richmond, Wolfe)..... 212, 606
- Donnay, J. D. H. Width of albite-
 twinning lamellae..... 578
- Double variation method of refrac-
 tive index determination. I.
 Stage cell. II. Temperature
 control. (Vigfusson)..... 206
- Drawings of crystals, accurate.
 (Schaller)..... 763
- Dreyer, R. M..... 214
- Duftite (structural data)..... 207
- Dunn, J. A..... 458
- Durrell, C. New data on the optical
 properties of tridymite..... 380
- Efremov, N. E..... 155, 313
- Eisenpickeringite..... 254
- Elementary crystallography (Ev-
 ans, Davies) [Book review]... 560
- Enstatite (chemical and optical
 data)..... 780
- Epidote, brown (optical data).... 399
- Erythrite..... 804
- Eskola, P. with Barth, T. F. W.
 and Correns, C. W. Die Ensteh-
 ung der Gesteine. [Book re-
 view]..... 308
- Evans, J. W. and Davies, G. M.
 Elementary crystallography.
 [Book review]..... 560
- Exsolution growths of zincite in
 manganosite and of manganos-
 ite in periclase. (Frondel) .. 207, 534
- Extinction angle, device for meas-
 uring. (Inuzuka)..... 735
- Fairfieldite (angle table and x-ray
 data)..... 748
- Falkmanite. (Ramdohr, Ödman;
 Hiller)..... 312
- Fayalite (crystallographic data)... 554
- Feldspar replacing fossils. (String-
 ham)..... 139
- Feldspars, decomposition and al-
 teration of, by water. (Arm-
 strong)..... 810
- Feldspar, untwinned, method for
 distinguishing from quartz.
 (Doeglas)..... 286
- Fleischer, M. and Ksanda, C. J.
 Dehydration of pollucite..... 666
- Fluorite..... 400
- Fluorite occurrence, West Cumber-
 land and Westmoreland. (Rus-
 sell)..... 311
- Fischer, W. Mineralogie in Sachsen
 von Agricola bis Werner.
 [Book review]..... 379
- Fisher, D. J. with Palache, C.
 Gratonite, a new mineral from
 Cerro de Pasco, Peru..... 255

- Discussion of "The formula of jordanite."..... 297
 — 207
 Folinsbee, R. E. 216
 Ford, W. E., memorial of. (Knopf). 174
 Foshag, W. F. Shallowwater meteorite, a new aubrite. 779
 — Sodium bicarbonate from Searles Lake, Calif. 769
 — Book review. 379
 Foster, W. R. 207
 Fosterite (optical data) 783
 Fragile materials, mount for universal stage study of (Dimler, Stahmann).... 502
 Friedrich, O. M. 313
 Friend, J. N. 378
 Frondel, C. Crystal habit variation in NaF. 338
 — Effect of dyes on crystal habit and optics of NaF, LiF, NaCl, KCl, KBr and KI. 91
 — Exsolution growths of zincite in manganosite and of manganosite in periclase. 207, 534
 — Oriented inclusions of staurolite, zircon and garnet in muscovite. Skating crystals and their significance. 69
 — 207, 208
- Galbraith, F. W. Identification of the commoner tellurides. 368
 — and Kuhn, T. H. New occurrence of diopside in Arizona Galenobismutite and "lillianite" (Berry). 708
 Garnet. 726
 Garnet in amygdalites. 553
 Geology of the anorthosites of the Minnesota coast of Lake Superior. (Grout, Schwartz) [Book review]. 90
 Gerasimovsky, V. I. 253, 380, 440, 504
 Glass, J. J. with Goddard, E. N., Radioactive cerite near Jamestown, Colorado. 381
 Goddard, E. N. and Glass, J. J. Deposits of radioactive cerite near Jamestown, Colorado. 381
- Goldich, S. S. 213
 Goldschmidtine identical with stephanite. (Peacock). 372
 Gold-silver telluride minerals, relationship between the crystal structure of. (Tunell). 215
 Gonyer, F. A. with Palache, C. Microlite and stibiotantalite from Topsham, Maine. 411
 — 211
 Goodman, C. 208
 Granodiorites of Philadelphia area. (Postil). 309
 Gratonite, a new mineral from Cerro de Pasco, Peru. (Palache, Fisher). 255
 Gratonite, geologic occurrence of, at Cerro de Pasco, Peru. (Rust) 266
 Grawe, O. R. Color blindness among students of mineralogy. 302
 Grout, F. F. Kemp's handbook of rocks. [Book review]. 767
 — and Schwartz, G. M. Geology of the anorthosites of the Minnesota coast of Lake Superior. [Book review]. 90
 Gruner, J. W. Cristobalite in bentonite. 587
 — with McConnell, D. Carbonate-apatite from Magnet Cove, Arkansas. 157
 Guild, F. N., memorial of. (Short). 181
 Guimarãens, C. P. 440
 Gypsum occurrence, unusual, at Kalgoorlie, W. Australia. (Pridier). 591
- Haff, J. C. Use of Wulff net in mineral determination with universal stage. 689
 Halloysite (Ayres). 203, 433
 Hargreaves, A. 311
 Head, J. L. 377
 Hess, H. H. and Phillips, A. H. Optical properties and chemical composition of magnesian orthopyroxenes. 271
 Hey, M. H. Second appendix to

catalogue of meteorites. [Book review].....		Knopf, A. Memorial of William E. Ford.....	174
Higginsite (x-ray data).....	768	Kolskite. (Efremov).....	155
Hiller, J. E.....	311	Kornerupine, iron rich, from Port Shepstone, Natal. (de Villiers).....	379
Hironaka, Y.....	456	Köttigite (angle table).....	804
Hodge, E. T., with Bogue, R. Cascade andesites of Oregon.....	312	Kraus, E. H.....	209
Hoernesite.....	439	Kreuzbergite (=fluellite).....	626
Hopeite (optical and x-ray data)	627	Ksanda, C. J. with Fleischer, M. Dehydration of pollucite.....	666
Howard, A. D. Zoning in spherulites	807	Kuhn, T. H. with Galbraith, F. W. New occurrence of diopptase...	708
Howland, A. L. Specularite-alunite mineralization at Hickeys Pond, Newfoundland.....	795	Lamproblomite, a new name for basaltic hornblende (Rogers)....	826
Hunt, W. F. Book reviews. 560, 767-768	614	Larsen, E. S. Book reviews.....	308
Hydromagniolite. (Efremov).....	313	Larsen, E. S. 3rd. Overite and montgomeryite, new minerals from Fairfield, Utah.....	315
Hydrosyalite. (Efremov).....	313	— and Montgomery, A. Sterrettite, a new mineral from Fairfield, Utah.....	513
Hydrous iron sulphide in California crystalline limestone. (Laudermilk, Woodford).....	418	Laudermilk, J. D. and Woodford, A. O. Hydrous iron sulphide in California crystalline limestone	418
Iceland spar in New Mexico. (Kelsey).....	357	Lepierre, C.....	155
Iceland spar in Taos Co., New Mexico. (Johnson).....	151	"Lillianite." (Berry).....	726
Inuzuka, H. Device for measuring extinction angles.....	735	Lindgren, W., memorial of. (Buerger).....	184
Inyoite (crystallographic data)....	549	Loess, Iowa, petrography of. (Cuthbert).....	206, 519
Iowa loess materials, petrography of. (Cuthbert).....	206, 519	Lovozerite. (Gerasimovsky).....	504
Jamesonite, structural crystallography and composition of. (Berry).....	204	Lubbock meteorite, Lubbock, Texas, flow structure in. (Waldschmidt).....	528
Johnson, J. H. Iceland spar in Taos County, New Mexico...	151	Lukesh, J. A. Optical evidence of twinning in arsenopyrite.....	619
Jordanite, formula of. (Fisher)....	297	— Thermal decomposition of arsenopyrite.....	539
Kaiser, E. P. Models of ternary systems.....	374	Madigan, C. T.....	154
Keller, W. D. Aurichalcite in Missouri.....	375	Magnesian orthopyroxenes, optical properties and chemical composition of. (Hess, Phillips) ..	271
Kelly, V. C. Iceland spar in New Mexico.....	357	Magnesiumapjohnite.....	254
Kemp's Handbook of rocks. (Grout) [Book review].....	767	Magnesium halotrichite.....	254
Kernbauer, F.....	155	Magnophorite. (Prider).....	353
Kerr, P. F.....	208	Manganphlogopite. (Yosimura) ...	156
Kimura, K.....	439	Manganpickeringite.....	254

- Marble, J. P.** Allanite from Barginer Hill, Llano Co., Texas.. 168
Mathews, E. B. 209
Maucherite. (Peacock) 379
McConnell, D. Clinobarrandite and the isodimorphous series variscite-metavariscite 210, 719
——— and Gruner, J. W. Carbonate-apatite from Magnet Cove, Arkansas 157
McLaughlin, T. G. Pegmatite dikes of Bridger Mts., Wyoming 46
Mehmel, M. Nomogramme zum Mineralbestimmen mit Röntgenstrahlen. [Book review] 153
Meier, A. E. 210
Meixner, H. 254
Messelite (chemical and x-ray data) 790
Metavariscite (x-ray data) 721
Meteorite rusts, some constituents of. (Buddhue) 435
Meteorites: Bartlett, Bell Co., Texas 497
Boxhole 154
Lubbock, Texas 528
Shallowater 779
Meteorites, catalogue of. Second appendix. (Hey) [Book review] 768
Michigan iron country, mineral notes from. (Ayres) 432
Microfilm sets of periodicals 305
Microlite and stibiotantalite from Topsham, Maine. (Palache, Gonyer). 211, 411
Millerite occurrence at Milwaukee, Wisconsin. (Bagrowski) 555
Mineral identification simplified. (Smith) [Book review] 767
Mineralogical Society of America:
 Constitution and by-laws 246
 List of correspondents, fellows, members and subscribers 218
 List of former officers and meeting places 217
 Nominations for officers for 1941 624
 Proceedings of 20th annual meeting 197
Mineralogical Society of London 153, 311, 378
Mineralogie in Sachsen von Agricola bis Werner. (Fischer) [Book review] 379
Monazite (optical data) 401
Montgomeryite, new mineral from Fairfield, Utah. (Larsen) 315
Montgomery, A. with Larsen, E. S.
 3rd. Sterrettite, a new mineral from Fairfield, Utah 513
Montmorillonite, α , β , γ , δ , and ϵ . (Efremov) 313
Murdoch, J. Crystallography of ulexite 210, 754
——— and Webb, R. W. Notes on some minerals of Southern California. II 549
NaAlSiO₄-CaSiO₃ system. (Foster) 207
Nahcolite (Foshag) 769
Nakai, T. 312
New minerals described:
 Bellingerite 505
 Clinobarrandite 719
 Gratonite 255
 Montgomeryite 315
 Overite 315
 Pararammelsbergite 561
 Sterrettite 513
New mineral names 155, 253, 312, 380, 439, 504, 626, 710, 768
New York Mineralogical Club 154, 252, 310, 377, 438
Nomogramme zum Mineralbestimmen mit Röntgenstrahlen. (Mehmel) [Book review] 153
Nontronite. (Ayres) 203, 433
Norilskite. (Zviagincev) 710
Ödman, O. 312
Olivinite (x-ray and crystallographic data) 453
Oriented inclusions of staurolite, zircon and garnet in muscovite. (Frondel) 69
Orthoclase, structure of. (Chao, Hargreaves, Taylor) 311
Osborn, E. F. 211
Overite and montgomeryite, new minerals from Fairfield, Utah. (Larsen) 315

- Pabst, A. Cryptocrystalline pyrite from Alpine Co., Calif. 425
 —— Book review 249
- Palache, C. Cuprobismutite—a mixture 211, 611
 —— and Fisher, D. J. Gratonite, a new mineral from Cerro de Pasco, Peru 255
 —— and Gonyer, F. A., Microlite and stibiotantalite from Topsham, Maine 211, 411
- Parahopeite 788
- Pararammelsbergite 561
- Peacock, M. A. Goldschmidtine, identical with stephanite
 —— and Dadson, A. S. Rammelsbergite and pararammelsbergite, distinct forms of NiAs_2 211, 561
- Pegmatite dikes of Bridger Mts., Wyoming. (McLaughlin) 46
- Pegmatites of Keystone area. (Apsouri) 203
- Pegmatites in town of Newry, Maine, origin of. (Shaub) 673
- Petrology of Skaergaard intrusion, Kangerdlugssuaq, E. Greenland. (Wager, Deer) [Book review] 308
- Phemister, J. 379
- Philadelphia Mineralogical Society 251, 309, 439, 560
- Philbrick, S. S. 212
- Phillips, A. H. with Hess, H. H. Optical properties and chemical composition of magnesian orthopyroxenes
 271
- Phosphate-sulphate of aluminum, probably new, from Utah. (Schaller) 213
- Phosphophyllite 792
- Phosphorrösslerite. (Friedrich, Röbitsch) 313
- Pigeonites, determination of optic axial angle and extinction angle in. (Turner) 821
- Pillewizer, W. 254
- Plagioclase-rich corundum bearing pegmatites from desilicated granite at Glen Riddle, Penna. (Meier) 210
- Pollucite, dehydration of. (Fleischer, Ksanda) 666
- Postil, A. W. 309
- Pough, F. H. Willemite morphology and paragenesis at Balmat, N. Y. 488
- Rider, R. T. Unusual occurrence of gypsum at Kalgoorlie, W. Australia 591
 —— 253, 254
- Prince, A. T. 212
- Projection protractor, new. (Fisher) 207
- Pseudopyrophyllite. (Sedletsky, Yussupova) 768
- Pyrite, cryptocrystalline, from Alpine Co., Calif. (Pabst) 425
- Pyrobelonite (x -ray data) 460
- Quartz crystals, detrital dihexagonal, in sediment in Colombia, S. A. (Butler) 145
- Quartz, method for distinguishing from untwinned feldspar, with universal stage. (Doeglas) 286
- Radioactive standards 303
- Radioactivity of sedimentary rocks and associated petroleum. (Goodman, Bell, Whithead) .. 208
- Ramdohr, P. 312, 626
- Rammelsbergite and pararammelsbergite, distinct forms of NiAs_2 . (Peacock, Dadson) 211, 561
- Ramsdell, L. S. 212
 —— Book review 153
- Rapakivi of Head Harbor Island, Maine. (Terzaghi) 111
- Rarer metallic constituents of some American igneous rocks. (Sandell, Goldich) 213
- Reddingite (x -ray data) 752
- Refractive index liquids, notes on. (Bosazza) 299
- Reversible photosensitivity in some artificial materials containing rutile. (Williamson) 311
- Richmond, W. E. Crystal chemistry of the phosphates, arsenates

and vanadates of the type $A_2XO_4(Z)$	441	Smith, O. C. Mineral identification simplified. [Book review].....	767
— and Wolfe, C. W. Crystallography of dolerophanite.....	212, 606	Sodium bicarbonate (nahcolite) from Searles Lake, Calif. (Foshag).....	769
Robitsch, J.....	313	Southern California, some minerals from. (Murdoch, Webb).....	549
Rogers, A. F. Lamprobolite, a new name for basaltic hornblende.....	826	Space groups, 230, elementary derivation of. (Donnay).....	206
—	213	Spectrochimica Acta. [Book review]	250
Roselite.....	750	Specularite-alunite mineralization at Hickeys Pond, Newfoundland. (Howland).....	34
Roy, P. C.....	380	Spence, H. S. Uraninite and thucholite from Pied des Monts, Charlevoix Co., Quebec.....	711
Russell, A.....	311	Spencer, L. J.....	154
Rust, G. W. Geologic occurrence of gratonite at Cerro de Pasco, Peru.....	266	Spherulites, zoning in. (Howard).....	614
Ruthenosmiridium, (Shin'ichi).....	440	Spodumene, decomposition and alteration of, by water. (Armstrong).....	810
Sand calcite crystals, Kern Co., Calif.....	551	Stahmann, M. A. with Dimler, R. J. Mount for universal stage study of fragile materials.....	502
Sandell, E. B.....	213	Staurolite.....	70
Sanidine crystals, large, from Utah. (Stringham, Williams).....	214	Stephanite morphology. (Taylor).....	327
Sarkinitie (crystallographic and x-ray data).....	467	Sterrettite, a new mineral from Fairfield, Utah. (Larsen, Montgomery).....	513
Sawyer, R. A. Book review.....	250	Stewart, D. Jr. Book review.....	625
Schaerer, J. F.....	211	Stibiotantalite from Topsham, Maine. (Palache, Gonyer).....	411
Schaller, W. T.....	213, 214	Stiepelmannite. (Ramdohr, Thilo).....	626
Scholz, A.....	626	Stillwell, C. W. Crystal chemistry. [Book review].....	249
Schwartz, G. M. and Grout, F. F. Geology of anorthosites of the Minnesota coast of Lake Superior. [Book review].....	90	Stilpnomelane, nontronite and halloysite from northern Michigan. (Ayres).....	203, 432
Sedletsky, I.....	768	Stringham, B. Occurrence of feldspar replacing fossils.....	139
Sepiolite, α , β , γ , δ and ϵ . (Efremov).....	313	—	214
Shallowater meteorite, a new aubrite. (Foshag).....	779	Structural control in European Pb-Zn ores of Mississippi valley type. (Behre).....	203
Shand, S. J. Book review.....	767	Strunz, H.....	626
Shaub, B. M. Age of the uraninite from the McLear pegmatite near Richville Station, St. Lawrence Co., N. Y.....	480	Symplesite.....	801
— Origin of some pegmatites in the town of Newry, Maine.....	673	Tarr, William A., memorial of. (Connolly).....	189
Shin'ichi, A.....	440		
Short, M. N. Memorial of Frank N. Guild.....	181		
Simpson, Edward S., memorial of..	195		
Simpsonite. (Bowley).....	313		
Skating crystals and their significance. (Frondel).....	69		
Slawson, C. B.....	209		

- Taylor, E. D. Morphology of columbite crystals 123, 214
 —— Stephanite morphology 327
- Taylor, G. Antarctica. [Book review] 625
- Taylor, J. H. 378
- Taylor, L. E. R. 313
- Taylor, W. H. 311
- Tchinglusuite (Chinglusuite), (Gerasimovsky) 253
- Tektites and silica glass. (Spencer) 154
- Tellurides, identification of. (Galbraith) 368
- Tellurobismuthite, redefinition of. (Frondel) 208
- Ternary systems, models of. (Kaiser) 374
- Terzaghi, R. D. Rapakivi of Head Harbor Island, Maine 111
- Thibault, N. W. A simple dichroscope 88
- Thilo, E. 626
- Thin sections of clays, new method for preparation of. (Weatherhead) 311
- Thucholite from Pied des Monts, Quebec. (Spence).** 711
- Tirodite. (Dunn, Roy) 380
- Tomlinson, W. H. 215
- Törnebohmite (optical data) 400
- Torniellite. (Dittler, Kernbauer) 155
- Trichalcite (x-ray data) 799
- Tridymite optical properties, new data on. (Durrell) 501
- Triplite (x-ray data) 468
- Triploidite (x-ray data) 469
- Tunell, G. 215
- Tungsten arcs. (Kerr) 208
- Turner, F. J. Determination of optic axial angle and extinction angles in pigeonites 821
- Ulexite, crystallography of. (Murdoch) 210, 754
- Unique diameters in crystallography. (Burfoot) 206
- Uraninite from McLear pegmatite near Richville Station, St. Lawrence Co., N. Y., age of. (Shaub).** 480
- Uraninite and thucholite from Pied des Monts, Charlevoix Co., Quebec. (Spence) 711
- Variscite-metavariscite series. (McConnell).** 210, 719
- Veatchite 552
- Vigfusson, V. A. Equipment for double variation method of refractive index determination. I. Stage cell. II. Temperature control 763
- Vitaliano, C. J. 215
- Vivianite 803
- Wadeite. (Prider) 254
- Wager, L. R. and Deer, W. A. Petrography of Skaergaard intrusion, Kangerdlugssuaq, E. Greenland. [Book review] 308
- Wagnerite (chemical and x-ray data) 470
- Waldschmidt, W. A. Flow structure in the Lubbock meteorite, Lubbock, Texas 528
- Weatherhead, A. V. 311
- Webb, R. W. with Murdoch, J. Notes on some minerals from Southern California. II 549
- Wells, R. C. and Allen, V. T. with Wentworth, C. K. Ceramic clay in Hawaii 1
- Wentworth, C. K., Wells, R. C. and Allen, V. T. Ceramic clay in Hawaii 1
- Whitehead, W. L. 208
- Willemite morphology and paragenesis at Balmat, N. Y. (Pough) 488
- Williams, N. C. 214
- Williamson, W. O. 311
- Wolfe, C. W. Classification of minerals of the type $A_3(XO_4)_2 \cdot nH_2O$ 738, 787
- with Berman, H. Bellingerite, a new mineral from Chuquicamata, Chile 153
- with Berman, H. Bellingerite, a new mineral from Chuquicamata, Chile 505

——— with Richmond, W. E. Crys-		Yosimura, T.....	156
tallography of dolerophanite		Yttrrocolumbite. (Lepierre).....	155
.....	212, 606	Yussupova, S.....	768
Woodford, A. O. and Lauder milk,		Zepharovichite (= wavelite).....	723
J. D. Hydrous iron sulphide in		Zirconium silicate, new. (Gerasi-	
California crystalline lime-		movsky).....	440
stone.....	418	Zones, zone-bundles and crystal	
Wulff net in mineral determination		systems. (Rogers).....	213
with the universal stage.		Zoning in spherulites. (Howard)...	614
(Haff).....	689	Zviagincev, O. E.....	710
Yamagutilite. (Kimura, Hironaka)	439		