

## INDEX TO VOLUME 31

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.

<b>Acmite occurrences on the Cuyuna Range, Minn. (Grout)</b> .....	125	— with <b>Palache, C. Clinoclasite</b> .....	203, 243
Adamite, new occurrence of. (Mayers, Wise).....	599	—.....	190
Ahlfeldite. (Herzenberg).....	86	Beryllium and tantalum pegmatites of Colorado. (Hanley)..	196
<b>Allen, V. T. and Fahey, J. J.</b> .....	189	Beryllium in pegmatites of western Montana, spectrographic prospecting for. (Perry, Cooke)	499
— and <b>Scheid, V. E. Nontronite in the Columbia River Region</b> .....	189, 294	Beryllium minerals, simple test for detection of. (Fletcher, White)	82
Alpha index of refraction in micaceous minerals, measurement of. (Lindberg).....	317	Betekhtin, A. G.....	85
<b>Amblygonite and petalite from Karibib, S.W. Africa. (Nel)</b> ..	51	Biological problems and crystallographic principles. (Wrinch).	513
Amon, W. F., Jr.....	513	Bismuth minerals in Colorado and New Mexico pegmatites. (Heinrich).....	198
<b>Analcite from Benton County, origin of spheroidal clusters of. (Staples)</b> .....	574	<b>Bond, W. L. Computation of interfacial angles, interzonal angles and clinographic projection by matrix methods</b> .....	31
Analcite, x-ray data.....	360	Bradley, W. F.....	195
<b>Armstrong, E. Relation between secondary Dauphiné twinning and irradiation-coloring in quartz</b> .....	456	Brammallite, x-ray data.....	361
Arsenides of nickel and cobalt at Franklin, N.J. (Holmes)..	198	<b>Branchville, Connecticut, pegmatite. (Shainin)</b> .....	329, 598
<b>Artinite from Luning, Nevada. (Hurlbut)</b> .....	365	<b>Braunite from Snowmass, Pitkin Co., Colorado. (Rogers)</b> ... ..	205, 561
Axelrod, J. M.....	193	Brazilianite, additional data on. (Hurlbut, Weichel).....	507
Axinite. (Optical data).....	380	<b>Bromine, occurrence of, in carnallite and sylvite from Utah and New Mexico. (Lindberg)</b> ... ..	199, 486
<b>Baker, G. Microscopic quartz crystals in brown coal, Victoria</b> .....	22	Buerger, M. J.....	190
<b>Ball, S. H. Diamond production</b> ..	135	Caillère, S.....	409
Barth, T. F. W.....	85	Calkins, F. C. Picking up grains..	503
<b>Bascom, Florence, memorial of. (Knopf)</b> .....	168	Cameron, E. N.....	191
Bastinite, a new pegmatite phosphate. (Fisher).....	192	Cassiterite, contact metamorphic deposits in California. (Page)	202
Bates, T. F.....	190	Champaygne, E. F.....	511
Bauxite "eggs." (Kerr).....	199	<b>Chayes, F. Linear analysis of a medium-grained granite</b> ... ..	191, 261
Bear, R. S.....	508	<b>Chevkinite (tscheffkinite) from Arizona. (Kauffman, Jaffe)</b> ... ..	582
<b>Berry, L. G. and Hawley, J. E. with Whitmore, D. R. E. Chrome micas</b> .....	1	<b>Chloritoid as a hydrothermal mineral in igneous rocks. (Gustafson)</b> .....	313

- Christensenite. (Brath, Kvalheim). 85
- Chrome micas. (Whitmore, Berry, Hawley)**..... 1
- Chromite, chemical correlation of, with containing rocks. (Thayer)..... 207
- Chromite deposits of Camaguey Province, Cuba. (Guild, Flint) 196
- Chromium silicate in iron ores of Marquette and Gogebic ranges, Mich. (Gruner)..... 195
- Clinoclasite. (Palache, Berry)**.. 203, 243
- Clinoclasite from Majuba Hill, Nevada. (Gianella)**..... 259
- Composite pegmatites of the Franklin-Sylva mica district, N. Carolina. (Heinrich)..... 197
- Concretions from Pittsburgh coal seam, with special reference to analcite. (Foster, Feicht)** 193, 357
- Cooke, S. R. B. with Perry, E. S. Spectrographic prospecting for beryllium in pegmatites of western Montana..... 499
- Cornetite and pseudomalachite. (Berry)..... 190
- Crystallographic Society..... 84, 508
- Crystallography, a common ground in many sciences. (Fankuchen)..... 509
- L-cystine, crystallography of. (West, Amon)..... 513
- Dana's System of Mineralogy, vol. 1, seventh edition, corrections to. (Fron del)..... 589
- Dauphiné twinning in quartz, secondary, produced by sawing. (Fron del)**..... 58, 194
- Dauphine twinning, secondary and irradiation-coloring in quartz (Armstrong)**..... 456
- Davidson, N. with Milton, C. Straw-silica glass from California..... 495
- Delafossite, notes on the structure of. (Pabst)**..... 202, 539
- Diamond symposium, third.**  
**Introduction. (Kraus)**..... 135  
**Diamond production. (Ball)**.... 135
- Gem diamonds. (Kaplan)**..... 139
- Bonded diamond wheel applications. (Klein, VanRiper)**.. 141, 199
- Vector hardness in diamond tools. (Whittaker, Slawson)**..... 143, 208
- Observations on orientation and hardness variations. (Winchell)**..... 149, 209
- Preparation and standardization of diamond powders. (Insley, Steierman)**..... 153, 198
- Application of high voltage arc to cutting, sawing and drilling diamonds. (Peters)**..... 156, 204
- Controlled electrolytic drilling of diamonds. (Emerson)**... 160, 191
- Developments and trends in use of industrial diamonds. (Slawson)**..... 163, 206
- Dickite and chromium silicate in iron ores of the Marquette and Gogebic Ranges, Mich. (Gruner)..... 195
- Dikes and displacement movements, effects of, on sediments in Capitan quadrangle, New Mexico. (Sidwell)**..... 65
- Discredited species..... 409
- Donnay, J. D. H..... 191, 508
- Drusy vugs in monzonite dike, Bearpaw Mts., Montana. (Pecora, Fisher)**..... 370
- Electrically heated platinum wire for use in mineralogical laboratory. (Milton, Spicer).... 401
- Emerson, W. B. Controlled electrolytic drilling of diamonds.** 160, 191
- Epidote (Optical data)..... 380
- Error, maximum, in some mineralogic computations. (Fairbairn, Sheppard)..... 191
- Evans, H. T., Jr..... 509
- Fahey, J. J..... 189
- Fairbairn, H. W., and Sheppard, C. W..... 191
- Fankuchen, I..... 509
- Feicht, F. L., with Foster, W. D. Mineralogy of concretions**

- from Pittsburgh coal seam with special reference to analcite . . . . . 193, 357
- Fersman, Alexander E., memorial of. (Spencer) . . . . . 173
- Fisher, B., with Pecora, W. T. Drusy vugs in monzonite dike, Bearpaw Mts., Mont. . . . . 370
- Fisher, D. J. . . . . 192
- Fleischer, M. . . . . 193
- Fletcher, Mary H., and White, C. E. Simple test for detection of beryllium minerals . . . . . 82
- Flint, D. E. . . . . 196
- Flow structure models, construction and study of, from field data. (Lowe) . . . . . 199, 346
- Foster, W. D., and Feicht, F. L. Mineralogy of concretions from Pittsburgh coal seam, with special reference to analcite . . . . . 193, 357
- Foster, W. R. . . . . 193
- Fourier projections, use of sand in making. (McLachlan, Champaigne) . . . . . 511
- Fourier series, approximate summation of. (Lukesh) . . . . . 510
- Fourier series, graphical summation of. (Lukesh) . . . . . 510
- Franquenite. (Van Tassel) . . . . . 327
- Frondel, C. Corrections to Dana's System of Mineralogy, volume one, Seventh Edition . . . . . 589
- Secondary Dauphiné twinning in quartz produced by sawing. Irradiation of twinned quartz . . . . . 58, 194
- Frye, J. C. . . . . 207
- Fuchsite,  $x$ -ray and chemical data. 4
- Fuchite, optical data . . . . . 13
- Gault, H. R. . . . . 194
- Gem stones,  $x$ -ray irradiation of. (Pough, Rogers) . . . . . 205
- Geochemistry, modern aspects of, and application to economic geology. (Stadnichenko) . . . . . 206
- Geological mineralogy. (Landes) . . . . . 131, 189
- German mineralogists and geologists. (Wayland) . . . . . 595
- Gianella, V. P. Clinoclasite from Majuba Hill, Nevada . . . . . 259
- Giorgiosite. (Caillère) . . . . . 409
- Gnomonic and heptaxial two-circle calculation. (Parsons) . . . . . 203, 547
- Goldich, S. S. . . . . 198
- Gordon, S. G. . . . . 510
- Goudey, Hatfield. An occurrence of wappelerite in Nevada . . . . . 598
- Granitic pegmatites, internal structure of. (Cameron, Jahns, McNair, Page) . . . . . 191
- Griffitts, W. R. . . . . 194
- Grigoriev, D. P. The 130th anniversary of the Russian Mineralogical Society . . . . . 601
- Grim, R. E. . . . . 195
- Griphite, new occurrence of. (Analysis and  $x$ -ray data) (Jaffe) . . . . . 404
- Grogan, R. M. Pyromorphite occurrence in Illinois . . . . . 320
- Grout, F. R. Acmite occurrences on the Cuyuna Range, Minnesota . . . . . 125
- Gruner, J. W. . . . . 195, 196
- Guild, P. W. . . . . 196
- Gustafson, J. K. Chloritoid as a hydrothermal mineral in igneous rocks . . . . . 313
- Hanley, J. B. . . . . 196, 197
- Hawkes, H. E., Jr. Olivine from northern California showing perfect cleavage . . . . . 276
- Hawley, J. E., with Whitmore, D. R. E., and Berry, L. G. Chrome micas . . . . . 1
- Heinrich, E. W. . . . . 194, 197, 198
- Second discovery of inderite . . . . . 71
- Hendricks, S. B. . . . . 198
- with Ross, Clarence S. Minerals of the Montmorillonite group. (Book review) . . . . . 603
- Herzenberg, R. . . . . 86
- High temperature thermal effects of clays and related minerals. (Grim, Bradley) . . . . . 195
- Holmes, R. J. . . . . 198

- Hornblende, optical and crystallographic data and chemical analysis. . . . . 378
- Howard, Harry J. Revised Lapidary Handbook. (Book review). . . . . 604
- Hurlbut, C. S., Jr. Artinite from Luning, Nevada. . . . . 365
- Influence of twinning on the usability of quartz from various localities. . . . . 443
- and Weichel, E. J. Additional data on brazilianite. . . . . 507
- Hydrodolomite and hydrogiobertite (discredited). (Caillère). . . . . 409
- Inderite, second discovery of. (Heinrich). . . . . 71
- Insley, H., and Steierman, B. L. Preparation and standardization of diamond powders. . . . . 153, 198
- Interference figures, chart for measurement of. (Winchell). . . . . 43
- Iron minerals in Pennsylvania fire clays, occurrence and distribution of. (Leatham). . . . . 199
- Irradiation of twinned quartz. (Fronzel). . . . . 58
- Isostructural relationship of  $AlPO_4$  and  $SiSiO_4$ . (Gruner). . . . . 196
- Jahns, R. H. . . . . 191, 194
- Jaffe, H. W. New occurrence of griphite. . . . . 404
- Jaffe, Howard W., with Kauffman, Albert J., Jr. Chevkinite (tscheffkinite) from Arizona. . . . . 582
- Kaolinite after beryl from Alto do Giz, Brazil. (Kerr). . . . . 435
- Kaplan, L. Gem diamonds. . . . . 139
- Kašpar, Jan Vaclav. . . . . 605
- Kauffman, Albert J., Jr., and Jaffe, Howard W. Chevkinite (tscheffkinite) from Arizona. . . . . 582
- Kerr, P. F., Kaolinite after beryl Alto do Giz, Brazil. (Kerr). . . . . 435
- . . . . . 199
- Kladnoite. (Rost). . . . . 605
- Klein, A. A., and Van Riper, C. R. Bonded diamond wheel applications. . . . . 141, 199
- Knopf, E. B. Memorial of Florence Bascom. . . . . 168
- Kostyleva, E. E. . . . . 514
- Kraus, Edward H. (Book review). . . . . 604
- Diamond symposium, introductory statement. . . . . 135
- Kvalheim, A. . . . . 85
- Landes, K. K. Geological mineralogy. . . . . 131, 189
- Lattice in crystallography. (Donnay). . . . . 508
- l*-cystine (West, Amon). . . . . 513
- Leadhillite, twinning in. (Gordon). . . . . 510
- Leatham, E. . . . . 199
- Lester, J. G. Inclusions in muscovite from Mitchell Creek Mine, Upson Co., Georgia. . . . . 77
- Lindberg, M. L. Measurement of alpha index of refraction in micaceous minerals. . . . . 317
- Occurrence of bromine in carnallite and sylvite from Utah and New Mexico. . . . . 199, 486
- Lineage structure in some synthetic crystals, effect of temperature on. (Tuttle, Twenhofel). . . . . 569
- Linear analysis of a medium-grained granite. (Chayes). . . . . 191, 261
- Linear structure problems, graphic solution for. (Lowe). . . . . 200, 425
- Lithia pegmatites of Brown Derby Mine, Gunnison Co., Colorado. (Hanley). . . . . 197
- Localization of uranium and thorium minerals in polished section. (I) Alpha ray emission pattern. (Yagoda). . . . . 87
- Loellingite from Arizona. (Chemical analysis). (Rasor). . . . . 406
- Lowe, K. E. Construction and study of flow structure models from field data. . . . . 199, 346
- Graphic solution for certain problems of linear structure. . . . . 200, 425
- Lukesh, J. S. . . . . 510

- Luminescent phenomena as aides in the localization of minerals in polished sections, (Yagoda) . . . 210
- Magnesium mineralization in Currant Creek District, Nevada. (Vitaliano) . . . . . 208
- Mahadevite. (Ramaseshan) . . . . . 514
- Manganese and lead as coactivators of red fluorescence in halite. (Murata, Smith)** . . . . . 527
- Mansfieldite, new aluminum arsenate, and the mansfieldite-scorodite series. (Allen, Fahey) 189
- Mariposite . . . . . 10, 13
- Marshall, C. E. (Book review) . . . . . 603
- Matrix methods for computation of interfacial angles, interzonal angles and clinographic projection. (Bond)** . . . . . 31
- Mayers, Dan E., and Wise, Francis A. A new occurrence of adamite . . . . . 599
- Maynard, J. E., and Ploger, L. W. The Salt Springs Road peridotite dike in Syracuse, New York** . . . . . 200, 471
- McLachlan, D., Jr. . . . . 511
- McNair, A. H. . . . . 191
- Melonite from Quebec, and the crystal structure of NiTe<sub>2</sub>. (Peacock, Thompson) . . . . . 204
- Metamorphism, artificial, in minerals. (Buerger) . . . . . 190
- Mica-bearing pegmatites in the Southeastern States. (Griffitts, Heinrich, Jahns, Olson, Parker) . . . . . 194
- Micaceous minerals in slate. (Bates) . . . . . 190
- Micaceous minerals, measurement of  $\alpha$ -index. (Lindberg) . . . . . 317
- Micas, chrome. (Whitmore, Berry, Hawley)** . . . . . 1
- Microanalysis of  $x$ -ray diffraction. (Donnay) . . . . . 191
- Milton, C., and Davidson, N. Straw-silica glass from California . . . . . 495
- and Spicer, H. C. Electrically heated platinum wire for use in mineralogical laboratory . . . . . 401
- Mineral oxidation. (Winchell)** . . . 209, 288
- Mineralogical Society of America  
List of correspondents, fellows, members, and subscribers . . . . . 213  
Nominations for officers for 1947 410  
Proceedings of 26th annual meeting . . . . . 182
- Minerals of the Montmorillonite group. (Ross, Hendricks)  
[Book review] . . . . . 603
- Montbrayite, a new gold telluride. (Peacock, Thompson)** . . . . . 204, 515
- Moyd, L. . . . . 201
- Murata, K. J., and Smith, Robert L. Manganese and lead as coactivators of red fluorescence in halite** . . . . . 527
- Muscovite from Mitchell Creek Mine, Upson Co., Georgia, inclusions in. (Lester) . . . . . 77
- Nel, H. J. Petalite and amblygonite from Karibib, Southwest Africa** . . . . . 51
- Nelson, R. A. . . . . 198
- Němecite. (Kašpar) . . . . . 605
- Nepheline and corundum-bearing rocks of S. E. Ontario, petrology of. (Moyd) . . . . . 201
- Nepheline syenite from Beemer-ville, Sussex Co., New Jersey. (Wilkerson)** . . . . . 284
- Neuschel, S. K. . . . . 193
- New data . . . . . 86, 409
- New mineral names . . . . . 85, 327, 514, 605
- New York Mineralogical Club . . . 326, 409
- Nickel-bearing silicate, new. (Part-ridge) . . . . . 85
- Nickel telluride, crystal structure of. (Peacock, Thompson) . . . . . 204
- Non-metallic crystals, plastic deformation and recrystallization of. (Washken) . . . . . 512
- Nontronite in the Columbia River region (Allen, Scheid)** . . . 189, 294
- Nuffield, E. W. . . . . 201

- Olivine from northern California showing perfect cleavage. (Hawkes)..... 276
- Olson, J. C..... 194
- Pabst, A. Notes on the structure of delafossite..... 202, 539
- Page, L. R..... 191, 202, 203
- Palache, C., and Berry, L. G. Clinoclasite..... 203, 243
- Memorial of Edward Wigglesworth..... 179
- Parker, J. M. III..... 194
- Parsons, A. L. Gnomonic and heptaxial two-circle calculation. 203, 547
- Partridge, F. C..... 85
- Peacock, M. A., and Thompson, R. M. Montbrayite, a new gold telluride..... 204, 515
- Pecora, W. T., and Fisher, B. Drusy vugs in monzonite dike, Bearpaw Mts., Mont..... 370
- Pegmatitic albitization, striking case of. (Fisher)..... 192
- Peridotite dike, in Syracuse, N. Y. (Maynard, Ploger)..... 200, 471
- Perry, E. S., and Cooke, S. R. B. Spectrographic prospecting for beryllium in pegmatites of western Montana..... 499
- Petalite and amblygonite from Karibib, S. W. Africa. (Nel) .. 51
- Peters, C. G. Application of high voltage arc to cutting, sawing and drilling diamonds..... 156, 204
- Philadelphia Mineralogical Society..... 326, 408
- Picking up grains. (Calkins)..... 503
- Ploger, L. W., with Maynard, J. E. The Salt Springs Road peridotite dike in Syracuse, New York..... 200, 471
- Portable differential thermal analysis unit for bauxite exploration. (Hendricks, Goldich, Nelson)..... 198
- Pough, F. H..... 205
- Projections and zones. (Fisher).... 192
- Protein fibrils, types of order in. (Bear)..... 508
- Pseudomalachite and cornetite. (Berry)..... 190
- Pyrite, variation in crystal habit of. (Schaub)..... 512
- Pyromorphite occurrence in Illinois. (Grogan)..... 320
- Quartz crystals, microscopic, in brown coal, Victoria. (Baker). 22
- Radiocolloid aggregates in uranium minerals. (Yagoda)..... 462
- Ramaseshan, S..... 514
- Ramsdell, L. S..... 205
- Rasor, C. A. Loellingite from Arizona..... 406
- Revised Lapidary Handbook. (Howard) [Book review].... 604
- Rogers, A. F..... 206
- Braunite from Snowmass, Pitkin County, Colo..... 205, 561
- Rogers, T. H..... 205
- Ross, C. S. Sauconite, a clay mineral of the montmorillonite group..... 206, 411
- and Hendricks, Sterling B. Minerals of the montmorillonite group (Book review) .. 603
- Rost, Rudolf..... 605
- Russian Mineralogical Society, 130th anniversary of. (Grigoriev)..... 601
- Rutile in Harford Co., Md. (Tomlinson)..... 208, 322
- Sand fulgurites with inclosed lechatelierite from Riverside Co., Cal. (Rogers)..... 206
- Sauconite, a clay mineral of the montmorillonite group. (Ross)..... 206, 411
- Schaub, B. M..... 512
- Scheid, V. E., with Allen, V. T. Nontronite in the Columbia River region..... 189, 294
- Shainin, V. E. Branchville, Connecticut, pegmatite..... 329
- The Branchville, Connecticut, pegmatite: a correction in terminology..... 598

- Shape factors for use in quantitative microscopic analysis. (Foster)..... 193
- Sheppard, C. W., with Fairbairn, H. W. .... 191
- $\alpha$ -SiC, type V, crystal structure of. (Ramsdell)..... 205
- Sidwell, R. Effects of dikes and displacement movements on sediments in Capitan quadrangle, New Mexico..... 65
- Silicon carbide, crystallography of the seven modifications of. (Thibault)..... 512
- Slawson, C. B. Developments and trends in use of industrial diamonds ..... 163, 206
- with Whittaker, H. Vector hardness in diamond tools. 143, 208
- Smith, Robert L., with Murata, K. J. Manganese and lead as coactivators of red fluorescence in halite..... 527
- Sodium nitrate, change in habit of. (Evans)..... 509
- South Dakota pegmatites, structural and mineralogical characteristics of. (Page)..... 203
- Spencer, L. J. Memorial of Alexander Evgenievich Fersman.. 173
- Spicer, H. C., with Milton, C. Electrically heated platinum wire for use in mineralogical laboratory..... 401
- Stadnichenko, T. .... 206
- Staples, Lloyd W. Origin of spheroidal clusters of analcime from Benton County, Oregon..... 574
- Steierman, B. L., with Insley, H. Preparation and standardization of diamond powders. 153, 198
- Straw-silica glass from California. (Milton, Davidson)..... 495
- Stringham, B. Tinticite, a new mineral from Utah..... 395
- Swineford, A. .... 207
- Tantalum pegmatites of Colorado. (Hanley)..... 196
- Ter Veld, R., with Terpstra, P. Viola's zone law..... 386
- Terpstra, P., and Ter Veld, R. Viola's zone law..... 386
- Thayer, T. P. .... 207
- Thibault, N. W. .... 512
- Thompson, R. M., with Peacock, M. A. Montbrayite, a new gold telluride..... 204, 515
- Thompsonite (optical data)..... 381
- Tinticite, a new mineral from Utah. (Stringham)..... 395
- Tomlinson, W. H. Rutile in Harford Co., Maryland..... 208, 322
- Tungsten and vanadium occurrence in manganese oxide ores and minerals. (Fleischer, Neuschel, Axelrod)..... 193
- Tuttle, O. F., and Twenhofel, W. S. Effect of temperature on lineage structure in some synthetic crystals..... 569
- Twenhofel, W. S., with Tuttle, O. F. Effect of temperature on lineage structure in some synthetic crystals..... 569
- Twinning in quartz crystals, frequency of. (Gault)..... 194
- Twinning, influence of, on usability of quartz from various localities. (Hurlbut)..... 443
- Vanadium in manganese oxide ores. (Fleischer, Neuschel, Axelrod)..... 193
- Van Riper, C. R., with Klein, A. A. Bonded diamond wheel applications..... 141, 199
- Van Tassel, R. .... 327
- Vernadite. (Betekhtin)..... 85
- Viola's zone law. (Terpstra, Ter Veld)..... 386
- Vitaliano, C. J. .... 208
- Volcanic ash, Pliocene and Pleistocene, from Western Kansas, petrographic comparison of. (Swineford, Frye)..... 207
- Wapplerite, an occurrence of, in Nevada. (Goudey)..... 598
- Washken, E. .... 512

- Wayland, R. G. German mineralogists and geologists. . . . . 209, 288
- Weichel, E. J., with Hurlbut, C. S. Additional data on brazilianite. . . . . 595
- West, C. D. . . . . 507
- White arsenides of nickel and cobalt at Franklin, N. J. (Holmes). . . . . 513
- White, C. E., with Fletcher, Mary H. Simple test for detection of beryllium minerals. . . . . 198
- Whitmore, D. R. E., Berry, L. G., and Hawley, J. E. Chrome micas. . . . . 82
- Whittaker, H., and Slawson, C. B. Vector hardness in diamond tools. . . . . 1
- Wigglesworth, Edward, memorial of. (Palache). . . . . 143, 208
- Wilkerson, A. S. Nepheline syenite from Beemerville, Sussex Co., N. J. . . . . 179
- Winchell, A. N. Mineral oxidation . . . . . 284
- Winchell, H. Chart for measurement of interference figures. . . . . 43
- Observations on orientation and hardness variations in diamond. . . . . 149, 209
- Wise, Francis A., with Mayers, Dan E. A new occurrence of adamite. . . . . 599
- Wittichenite (Klaprothite). (Nuffield). . . . . 201
- Wrinch, D. . . . . 513
- X-ray irradiation of gemstones. (Pough, Rogers). . . . . 205
- Yagoda, H. Localization of uranium and thorium minerals in polished section. (I) Alpha ray emission pattern. . . . . 87
- Radiocolloid aggregates in uranium minerals. . . . . 462
- . . . . . 210
- Zirfesite. (Kostyleva). . . . . 514