

The pyrochlore supergroup of minerals: nomenclature [MS#4058, 15/06/2010]

D. ATENCIO, M.B. ANDRADE, A.G. CHRISTY, R. GIERÉ & P.M. KARTASHOV

Arisite-(Ce), a new rare-earth fluorcarbonate from the Aris phonolite, Namibia, Mont Saint-Hilaire and the Saint-Amable sill, Quebec, Canada [MS#3933, 15/06/2010]

P.C. PIILONEN, A.M. McDONALD, J.D. GRICE, R. ROWE, R.A. GAULT, G. POIRIER, M.A. COOPER, U. KOLITSCH, A.C. ROBERTS, W. LECHNER & A. PALFI

Preservation of microbial ichnofossils in basaltic glass by titanite mineralization [MS#3999, 14/06/2010]

M.R.M. IZAWA, N.R. BANERJEE, R.L. FLEMMING & N.J. BRIDGE

Unusual (Na,Mg)-enriched beryl and its breakdown products (beryl II, bazzite, bavenite) from euxenite-type NYF pegmatite related to the orogenic ultrapotassic Třebíč pluton, Czech Republic [MS#4004, 14/06/2010]

M. NOVÁK & J. FILIP

Survival of the brown color in diamond during storage in the subcontinental lithospheric mantle [MS#3965, 12/06/2010]

E.M. SMITH, H.H. HELMSTAEDT & R.L. FLEMMING

Trace element and REE behavior in andradite garnets (demantoid variety) from Val Malenco (Sondrio, Italy) and other localities [MS#4034, 06/06/2010]

R. BOCCHIO, I. ADAMO & V. DIELLA

Experimental determination of Na-Ca distribution between tourmaline and fluid in the system $\text{CaO-Na}_2\text{O-MgO-Al}_2\text{O}_3\text{-SiO}_2\text{-B}_2\text{O}_3\text{-H}_2\text{O}$ [MS#4019, 01/06/2010]

G. VON GOERNE, G. FRANZ & V. VAN HINSBERG

Monazite, xenotime and rare earth element minerals in Archean banded iron formation from the former Sherman and Adams mines, Ontario, Canada [MS#3987, 01/06/2010]

R.J. BOWINS & J.H. CROCKET

Fe^{3+} -rich tourmaline from the Darasun gold deposit, Transbaikalia, Russia

[MS#3962, 28/05/2010]

I.A. BAKSHEEV, V.YU. PROKOF'EV, V.O. YAPASKURT,
M.F. MAGASINA, L.D. ZORINA & V.N. SOLOV'EV

Geochemical constraints on the sources of Mesoproterozoic anorthosite-granitoid complexes, Grenville Province, Canada [MS#3869, 28/05/2010]

E. HEGNER, R.F. EMSLIE, L.M. IACCHERI & M.A. HAMILTON

Sulfide evolution during prograde metamorphism of the Otago and Alpine schists, New Zealand [MS#3984, 25/05/2010]

I.K. PITCAIRN, G.R. OLIVO, D.A.H. TEAGLE & D. CRAW

Experimental study of the silica-undersaturated portion of the system nepheline - kalsilite - SiO_2 under 20 kilobar [$P(\text{H}_2\text{O}) = P(\text{Total})$] and variable temperatures: its petrological significance [MS#4000, 19/05/2010]

A.K. GUPTA, M.M. DWIVEDI, H. BHARTTACHARIYA & S. DASGUPTA

Assemblages of Ag-Bi sulfosalts and conditions of their formation: the type locality of schapbachite ($\text{Ag}_{0.4}\text{Pb}_{0.2}\text{Bi}_{0.4}\text{S}$) and neighboring mines in the Schwarzwald ore district, South Germany [MS#3952, 05/06/2010]

S. STAUDE, A. DORN, K. PFAFF & G. MARKL

Detrital monazite grains in the Tim Merso Basin (Niger): their provenance and their potentiality as an accessory source for formation of uranium deposits [MS#3953, 03/05/2010]

I. WAGANI, M. PAGEL, E. JANOTS & E. GNOS

The crystal structure of watkinsonite, $\text{Cu}_2\text{PbBi}_4\text{Se}_8$, from the uranium deposit of Zálesí, Czech Republic [MS#3956, 02/05/2010]

D. TOPA, E. MAKOVICKY, J. SEJKORA & H. DITTRICH

Slavkovite, $\text{Cu}_{13}(\text{AsO}_4)(\text{AsO}_3\text{OH})_4 \cdot 23\text{H}_2\text{O}$ - a new mineral from horní Slavkov and Jáchymov, Czech Republic - description and crystal-structure determination [MS#4008, 02/05/2010]

J. SEJKORA, J. PLÁŠIL, P. ONDRUŠ, F. VESELOVSKÝ, I. ČÍSAŘOVÁ & J. HLOUŠEK

Arisite-(Ce), a new rare-earth fluorocarbonate from the Aris phonolite (Namibia), Mont Saint-Hilaire and the Saint-Amable sill (Quebec, Canada) [MS#3993,

23/04/2010]

P.C. PIILONEN, A.M. McDONALD, J.D. GRICE, R. ROWE, R.A. GAULT, G. POIRIER,
M.A. COOPER, U. KOLITSCH, A.C. ROBERTS, W. LECHNER & A.G. PALFI

Major element and Li, Be compositional evolution of tourmaline in an S-type
granite-pegmatite system and its country rocks: an example from the island of
Ikaria (Aegean Sea, Greece) [MS#3994, 23/04/2010]

D. HEZEL, A. KALT, H.R. MARSCHALL, T. LUDWIG & H.-P. MEYER

Crystal structure of the new compound SnSb_4S_7 , a new member of the meneghinite
homologous series [MS#3935, 07/04/2010]

D. TOPA, E. MAKOVICKY, H.J. SCHIMPER, A. STADLER,
A. BASCH, H. DITTRICH & G. AMTHAUER

The system Ni-Sb-Te at 400°C [MS#3996, 06/04/2010]

F. LAUFEK, M. DRÁBEK & R. SKÁLA

A crystallographic study of the incomplete solid solution between plumbojarosite
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L.C. BASCIANO & R.C. PETERSON

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M. NOVÁK & P. GADAS

Physicochemical and geological characterization of Sri Lankan natural vein graphite
[MS#4024, 01/04/2010]

P. TOUZAIN, N.W.B. BALASOORIYA,
P.W.S.K. BANDARANAYAKE & C. DESCOLAS-GROS

Oscillatory zoned elbaite-liddicoatite from central Madagascar. I. Crystal
chemistry and structure by SREF and ^{11}B and ^{27}Al MAS NMR spectroscopy
[MS#4010, 01/04/2010]

A.J. LUSSIER, Y. ABDU, F.C. HAWTHORNE,
V.K. MICHAELIS, P.M. AGUIAR & S. KROEKER

Tourmaline and coexisting biotite in the Tormes Dome area (Central Iberian Zone, Spain): distribution, paragenesis, composition and significance [MS#3967, 29/03/2010]

E. RODA-ROBLES, A. PESQUERA, P.P. GIL-CRESPO & J. TORRES-RUIZ

The crystal structure of the (8,8)-homologue of the lillianite homologous series [MS#3936, 26/03/2010]

D. TOPA, E. MAKOVICKY, H.J. SCHIMPER & H. DITTRICH

Zoned genthelvite: two phases with slightly different structural parameters [MS#4021, 22/03/2010]

S.M. ANTAO & I. HASSAN

A survey of Mn-rich yellow tourmaline from worldwide localities, and implications for pegmatite genesis [MS#3990, 22/03/2010]

W.B. SIMMONS, A.U. FALSTER & B.M. LAURS

Optical anomaly in iridescent andradite garnet from Sierra Madre Mountains, Sonora, Mexico [MS#3937, 19/03/2010]

M.A. BADAR, M. AKIZUKI & S. HUSSAIN

The morphology and growth of garnet, $(\text{Fe}_{0.74}\text{Mg}_{0.13}\text{Mn}_{0.09}\text{Ca}_{0.03})_{\Sigma 3}\text{Al}_2\text{Si}_3\text{O}_{12}$, in Archean schist near Yellowknife, NWT, Canada [MS#3928, 06/06/2010]

R. KRETZ

Metasomatic tourmaline in hybrid contact bands between gneiss and peridotite in the Ulten Zone (Eastern Italian Alps): geochemistry and boron isotopic composition [MS#3980, 18, 03/2010]

M. MAROCCHI, H.R. MARSCHALL, J. KONZETT,
P. TROPPER, T. LUDWIG, V. MAIR & G.M. BARGOSI

Crystal chemistry of cosalite based on new microprobe data and single-crystal structure determinations [MS#3968, 17/03/2010]

D. TOPA & E. MAKOVICKY

Clay mineralogy and LA-ICP-MS dating of a supergene U-Cu nontronite-bearing mineralization at Nabburg-Wölsendorf, southeastern Germany [MS#3923, 21/05/2010]

H.G. DILL, S. KAUFHOLD, B. WEBER & A. GERDES

Mineralogy of the Snap Lake kimberlite, Northwest Territories, Canada, and compositions of phlogopite as records of its crystallization [MS#3976, 01/06/2010]

M.G. KOPYLOVA, T. MOGG, B. SCOTT-SMITH & M.B. KIRKLEY

Geochemical and geological controls on the genesis of gem-quality "Paraíba tourmaline" in pegmatites from northeastern Brazil [MS#3973, 08/03/2010]

H. BEURLÉN, O.J.M. DE MOURA, D.R. SOARES, M.R.R. DA SILVA & D. RHEDE

Skeletal tourmaline, undercooling, and crystallization history of the Stone Mountain granite, Georgia, U.S.A. [MS#3972, 04/03/2010]

K.M. LONGFELLOW & S.E. SWANSON

Vanadium-rich tourmaline of dravite - vanadiumdravite series in the metacherts from Chvojníka, Slovakia: crystal chemistry and multi-stage evolution [MS#3991, 01/03/2010]

P. BAČÍK, Š. MÉRES & P. UHER

The crystal structure of "perkovaite", $\text{CaMg}_2(\text{SO}_4)_3$, a mineral phase from coal dumps of the Chelyabinsk coal basin, Russia [MS#3989, 27/02/2010]

S.V. KRIVOVICHEV, E.P. SHCHERBAKOVA & T.P. NISHANBAEV

Stereochemical constraints in tourmaline: short- to long-range structure [MS#3964, 22/02/2010]

F. BOSI

Mineralogical responses to subsolidus alteration of granitic rocks by As-rich fluids: REE arsenates from the Zinnwald alkali-feldspar granite, eastern Erzgebirge, Germany [MS#3963, 12/01/2010]

H.-J. FÖRSTER, M. ONDREJKA & P. UHER

Platinum-group minerals from a placer deposit in Burwash Creek, Kluane area, Yukon, Canada [MS#3940, 06/06/2010]

Y. FEDORTCHOUK, W. LEBARGE, A.Y. BARKOV, L. FEDELE, R.J. BODNAR & R.F. MARTIN

Dantopaite, $\text{Ag}_5\text{Bi}_{13}\text{S}_{22}$, the ${}^6\text{P}$ natural member of the pavonite homologous series,

from Erwies, Austria [MS#3954, 26/05/2010]

E. MAKOVICKY, W.H. PAAR, H. PUTZ & G. ZAGLER

The crystal structure of 7H : 12Q cannizzarite from Vulcano, Italy [MS#3955, 23/05/2010]

D. TOPA, E. MAKOVICKY & H. DITTRICH

Trace-element characteristics of vesuvianite from the metasomatic reaction zone of the Hirao limestone, in Japan [MS#3931, 17/12/2009]

M. FUKUYAMA, M. OGASAWARA, H. SATO, D. ISHIYAMA & T. NISHIYAMA

Highly metamorphosed iron formation on Arcedeckne Island, Boothia Peninsula, Arctic Canada, and the paragenesis of harrisonite, $\text{Ca}(\text{Fe},\text{Mg})_6(\text{SiO}_4)_2(\text{PO}_4)_2$ [MS#3959, 07/12/2009]

T. FRISCH & R.K. HERD

Spinel composition, PGE geochemistry and mineralogy of the chromitites from the Vourinos ophiolite complex, NW Greece [MS#3919, 31/10/2009]

A. KAPSIOTIS, T.A. GRAMMATIKOPOULOS, F. ZACCARINI,
B. TSIKOURAS, K. HATZIPANAGIOTOU & G. GARUTI

Characterization of chevkinite-(Ce) in pegmatites associated with an alkali syenite - pyroxenite association from southern India [MS#3906, 07/10/2009]

H.M. RAJESH & J. AKAI

Dissakisite-(La), mukhinite, and clinozoisite: V,Cr,REE-rich members of the epidote group in amphibole - pyrite - pyrrhotite metabasic rocks from Pezinok, Rybníček mine, western Carpathians, Slovakia [MS#3914, 24/05/2010]

P. BAČÍK & P. UHER

Åkermanite breakdown to a cuspidine-bearing symplectite in a calc-silicate xenolith, Kiglapait intrusion, Labrador [MS#3927, 14/09/2009]

B.E. OWENS & D.T. KREMSER

A new occurrence of larosite [MS#3922, 11/09/2009]

N.J. COOK, C.L. CIOBANU, Ø.S. PEDERSEN, T.H. LANGERUD & O.A. KARLSEN

Horomanite, $(\text{Fe},\text{Ni},\text{Co},\text{Cu})_9\text{S}_8$, and samaniite, $\text{Cu}_2(\text{Fe},\text{Ni})_7\text{S}_8$, new mineral species

from the Horoman peridotite massif, Hokkaido, Japan [MS#3894, 16/07/2009]

A. KITAKAZE

Gold-PGE deposit hosted in sheared peraluminous granite in the Buraco do Ouro gold mine, Cavalcante, Goiás State, Brazil: ore characterization and textural relationships among gold, selenides, PGE minerals, and uraninite [MS#3895, 06/07/2009]

J. MENEZ & N.F. BOTELHO

Feldspar thermometry of Grenvillian age UHT migmatites, southern Peru [MS#3838, 11/05/2009]

J. MARTIGNOLE & Z. WANG

Nepheline from Egan Chute, Bancroft, Ontario: structure to 900°C, origin of satellite reflections, positional modulation of the O1 atom, Al-Si order, and a model for K-vacancy disorder [MS#3892, 05/05/2009]

I. HASSAN & S.M. ANTAO

Late Neo-Proterozoic epithermal gold mineralization in a crustal continuum context: shear-zone-hosted gold at Wadi Abu Khushayba, southwestern Jordan [MS#3847, 11/04/2009]

M. AL-HWAITI, B.A. ZOHEIR, B. LEHMANN & I. RABBA

The platinum-group minerals and gold of massive pyrrhotite lenses in the Dzhugdzhur anorthosite, Russia [MS#3758, 29/12/2008]

R.A. OKTYABRSKY, A.N. SOLYANIK, A.M. LENNIKOV,
V.I. GVOZDEV, J.P. POTOTSKIY & V.V. IVANOV

The crystal structure of the orthoenstatite polymorph of CoGeO_3 (MS#3845, 03/12/2008)

K.S. KNIGHT & C.M.B. HENDERSON

Structure refinement of an untwinned single crystal of Ag-excess fizélyite, $\text{Ag}_{5.94}\text{Pb}_{13.74}\text{Sb}_{20.84}\text{S}_{48}$ (MS#3769, 10/09/2009)

HEXIONG YANG, R.T. DOWNS, J.B. BURT & G. COSTIN

Exceptionally high Th and U-bearing apatite from a granitoid pegmatite and trace element partitioning among apatite, calcite and mica (MS#3542, 01/11/2006)

M. MODKJARRAD, M. MOAZZEN & R. OBERHÄNSLI

Novodneprite, AuPb₃, a new species of intermetallic compound from Novodneprovsk gold - arsenic - polymetallic deposit, northern Kazakhstan (MS#3596, 06/10/2006)

K.S. DYUSEMBAEVA, V.L. LEVIN, P.E. KOTEL'NIKOV, G.K. BEKENOVA & V.V. BIRYULIN

Structural topology of eudialytes and alluaivites: crystal structures of two members of the eudialyte-alluaivite solid solution from the Khibiny alkaline massif, Russia (MS#3495, 20/06/2006)

S.V. KRIVOVICHEV, O.A. AGEeva, B.YE. BORUTZKY & P.C. BURNS

Ta-Nb geochemical constraints on the petrogenesis of granitic pegmatites in the southwestern Grenville Province, Ontario (MS#3481, 04/05/2006)

T.S. ERCIT

Euxenite- and aeschynite-group minerals from Quadeville, Ontario, Canada (MS#3450, 27/03/2006)

T.S. ERCIT

Geochemistry and U-Pb SHRIMP geochronology of monazite and xenotime, Fazenda Brasileiro gold deposit, Bahia, Brazil (MS#3389, 08/05/2005)

K.C.J. PIRES, N.M. VIELREICHER, I.R. FLETCHER,
N.J. McNAUGHTON, D.I. GROVES & M.L.L. FORMOSO

Geochemical constraints on the Cenozoic alkaline volcanic rocks of NW Turkey: implications for mantle sources and melting processes in OIB genesis (MS#3365; 10/03/2005)

E. ALDANMAZ, N. KÖPRÜBAŞI, Ö.F. GÜRER, N. KAYMAKÇI & A. GOURGAUD

Chemical and mineralogical character of African gem tourmaline (MS#3259; 04/11/2004)

B.S. GILLER, W.B. SIMMONS, A.U. FALSTER, K.L. WEBBER, M.A. WISE & B.M. LAURS

Vanadium-rich muscovite from Austria: crystal structure, chemical analysis, and spectroscopic investigations (07/09/2004; #3283)

J.M. HUGHES, A. ERTL, H.-J. BERNHARDT, J. RAKOVAN & G.R. ROSSMAN

Rhyolite as a final product of basic liquid fractionation in a low-level chamber beneath the crest of the Juan de Fuca Ridge (15/03/2004)

V.N. SHAPANOV, V.A. AKIMTSEV, A.A. TOMILENKO & S.V. KOVYAZIN

A bismuth-rich, tellurium-bearing mineral assemblage from El Quemado granitic pegmatite, Nevados de Palermo, Salta, Argentina (14/02/2004)

M.F. MARQUEZ-ZAVALÍA, M.A. GALLISKI, P. ČERNÝ & R. CHAPMAN

Extreme fractionation and shearing of the leucogranite - pegmatite suite at Red Cross Lake, Manitoba. II. Mineralogy (22/09/2003)

P. ČERNÝ, D.K. TEERTSTRA, R. CHAPMAN, J.B. SELWAY, K. FERREIRA, L.E. CHACKOWSKY, XIAN-JUE WANG, R.E. MEINTZER, M.A. COOPER & F.C. HAWTHORNE

A re-examination of "allanite" from the Grenville Province (05/01/2003)

T.S. ERCIT