

*International Mineralogical Association:
Commission on New Minerals and Mineral Names*

IN a previous report (Min. Mag., 1962, vol. 33, p. 260) the recommendations of this Commission regarding new mineral names and suggested identities published during 1959 and 1960 were reviewed, and also the Commission's preferences between certain pairs of synonyms in common use. In the present report, the Commission's work for the past five years is reviewed.

There has been a steady increase in the proportion of new mineral names submitted to the Commission before publication, and several journals now refuse to accept any new name that has not been approved by the Commission. The Commission has further undertaken to review proposed redefinitions of minerals, and has emphasized the importance of obtaining type material, wherever possible, when the redefinition or rejection of a species is under consideration; following a recommendation of the Commission, a note on the several classes of material that fall under the general term 'type specimen' will shortly appear in this Magazine.

The Commission's voting on new names, suggested identities and rejections, and redefinitions for the years 1961-64 is reported below. All the new names in this report are included in the 22nd, 23rd, or 24th List of new mineral names (Min. Mag., vol. 32, p. 941; vol. 33, p. 1125; vol. 35, p. 1126).

New names approved by a large majority (60 % or more) of the Commission:

Akaganéite	Biringuccite	Chromatite
Aksaite	Bokite	Compreignacite
Amakinite	Brockite	Denningite
Anthonyite	Buddingtonite	Djurleite
Antimonpearceite	Calciocopiapite	Dzhalindite
Arsenopolybasite	Calumetite	Ekanite
Arthurite	Calzirtite	Fabianite
Barnesite	Carboborite	Farringtonite
Barsanovite	Carbocernaite	β -Fergusonite
Bearsite	Carbonate-	Ferrohexahydrite
Behierite	cyanotrichite	Freudenbergite
Benstonite	Chambersite	Gagarinite
Betkpadalite	Chervetite	Galeite

Garronite	Marokite	Sonolite
Gauefroyite	Mayenite	Spencite
Geversite	Mbosiite	Spiroffite
Giessenite	Metaborite	Stenonite
Glucine	Metaschoderite	Stepanovite
Goldmanite	Moncheite	Stishovite
Grantsite	Mourite	Tatarskite
Griegite	Nasinite	Thorosteenstrupine
Gunningite	Neighborite	Tikhonenkovite
Halurgite	Nifontovite	Trustedtite
Hendersonite	Niobophyllite	Tugtupite
Huanghoite	Nobleite	Tunellite
Hungchaoite	Nordstrandite	Uklonskovite
Ikaite	Novákite	Uralborite
Indite	Nsutite	Vanalite
Innelite	Osarizawaite	Vanuralite
Iranite	Paxite	Vlasovite
Jimboite	Pentahydroborite	Vulcanite
Kalistrontite	Poitevinite	Vysotskite
Karelianite	Rauenthalite	Wairauite
Keldyshite	Redledgeite	Waylandite
Kennedyite	Rijkeboerite	Wegscheiderite
Kimzeyite	Roquesite	Weilite
Korzhinskite	Sainfeldite	Wenkite
Kotulskite	Sary-arkite	Westgrenite
Kullerudite	Schoderite	Wightmanite
Latrappite	Sederholmite	Wodginite
Liberite	Sigloite	Yoshimuraite
Mackinawite	Sinnerite	Zavaritskite
Magnocolumbite	Sinoite	Zhemchuzhnikovite
Mäkinenite		

Names on which the Commission were divided (40 to 60 % in favour):

Eardleyite	Parakutnohorite	Zincobotryogen
Hoshiite	Schneiderite	Zincocopiapite
Hydroxylbastnäsite	Sibirskite	Strontium-apatite in
Karooite	Stannoenargite	the usage proposed
Monohydrocalcite	Sudoite	by Efimov,
Natroniobite	Tacharanite	Kravchenko, and
Niobaeschynite	Tosudite	Vasileva

Names rejected by a large majority (60 % or over) of the Commission:

Aluminobetafite	Hydrohalloysite	Stannoluzonite
Alumobriholite	Hydrougrandite	Stipoverite
β -Alumohydrocalcite	Ingreite	Svitalskite
Boleslavite	Imogolite	Sulphate-monazite
Castaingite	Kmaite	Tin-tantalite
Chromsteigerite	β -Lomonosovite	Titano-aeschynite
Dzhezkazganite	Magnesiolaumontite	Titanorhabdophane
Femolite	Metamurmanite	Tynite
Fenghuanglite	Olovotantalite	Weilerite
Ferrifayalite	Plumbomicrolite	Widenmannite
Galenobornite	Proarizonite	Yamatoite
Gelzircon	Rhombomagnojacobs-	Yttrobetafite
Glushinskite	ite	Zellerite
Gugiaite	Sangarite	Zincalunite
Hallimondite	Silicorhabdophane	Zirsite
Hydrocatapleiite		

Discredited minerals, the evidence being accepted by a large majority (60 % or more) of the Commission:¹

Absite = brannerite (A.M. 48-1419)	Deweylite = stevensite + clino- chrysotile or lizardite (A.M. 47-811)
Allevardite = rectorite (A.M. 49-446)	Dillnite = F-rich zunyite (A.M. 46-1519)
Almerite = natroalunite (M.M. 33-353)	Ektropite = caryopile (A.M. 49-446)
Alumoferroascharite = mixture of hydrotalcite and szajbelyite (A.M. 49-1501)	Elroquite = ferrian variscite + quartz (A.M. 48-1421)
Beryllsodalite and beryllium sodalite = tugtupite (A.M. 46-241 ; 48-1178)	β -Fergusonite = fergusonite (A.M. 46-1516)
Boodtite = heterogenite (M.M. 33-253)	Ferutite = davidite (A.M. 49-447)
Calafatite = alunite (A.M. 48-1184)	Gersbyite = lazulite (A.M. 49-1778)
Cossyrite = aenigmatite (A.M. 49-821)	Goongarrite = cosalite + galena (A.M. 49-1501)

¹ References are given to Amer. Min. (A.M.), Min. Mag. (M.M.), or Min. Abstr. (M.A.), where these identities and redefinitions are discussed.

- Gouréite = narsarsukite
(A.M. **46**-1520)
- Hanléite = uvarovite
(M.M. **33**-508)
- Henwoodite = turquoise
(A.M. **46**-1520)
- Heubachite = nickelian hetero-
genite (M.M. **33**-253)
- Ishiganeite = cryptomelane +
birnessite (A.M. **49**-448)
- Jenkinsite = ferroan antigorite
(A.M. **47**-783)
- Ježekite = morinite
(A.M. **47**-398)
- Lillianite, cf. A.M. **50**-811
- Lodochnikite = brannerite
(A.M. **48**-1419)
- Magnioborite = suanite
(A.M. **48**-915)
- Metalomonosovite =
 β -lomonosovite (A.M. **48**-1413)
- Mindigite = heterogenite
(M.M. **33**-253)
- Munkforsite = manganóan
apatite (A.M. **49**-1778)
- Munkrudite = kyanite
(A.M. **49**-1778)
- Namaqualite = cyanotrichite
(M.M. **32**-737)
- Nuolaitite = a mixture
(A.M. **47**-812)
- Ondřejite = huntite + magnesite
+ sepiolite (A.M. **49**-1502)
- Ortholomonosovite =
lomonosovite (A.M. **48**-1413)
- Phosphochromite = ferrian
variscite (A.M. **48**-1421)
- Pravdite = altered britholite
(A.M. **49**-1501)
- Rogersite = churchite
(A.M. **48**-1168)
- Royite = α -quartz
(A.M. **47**-1223)
- Schulzenite = cuprian hetero-
genite (M.M. **33**-253)
- Selenjoseite = laitakarite
(A.M. **48**-1421)
- Sjögrufvite = arseniopléite
(A.M. **49**-447)
- Tangaite = redondite
(A.M. **49**-445)
- Tantalum = tantalum carbide
(A.M. **47**-786)
- Thierschite = whewellite
(A.M. **47**-786)
- Toddite = columbite + samarskite
(A.M. **47**-1363)
- Transvaalite (of McGhie and
Clark) = heterogenite
(M.M. **33**-253)
- Ufertite = davidite
(A.M. **49**-447)
- Vernadskite = antlerite pseudo-
morphous after dolerophane
(A.M. **46**-146)
- Wathlingite = kieserite
(A.M. **47**-811)
- Warthaite = cosalite + galena
(A.M. **49**-1501)
- Weibyeite = bastnäsite +
ancylite (A.M. **49**-1154)
- Wiikite = euxenite or
obruchevite (A.M. **47**-812)
- Yokosukaite = nsutite
(A.M. **49**-448)
- Zeyringite = aragonite +
aurichalcite (A.M. **48**-1184)
- Zirlite = gibbsite (A.M. **47**-1223)

Suggested identities on which the Commission were divided (40 to 60 % in favour):

Hjelmite = pyrochlore + tapiolite (A.M. 46-1520)	Lombaardite = allanite (A.M. 48-1420)
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Redefinitions of species accepted by the Commission by a large majority:

Bementite (A.M. 49-446)	Heterogenite (M.M. 33-253)
Betafite (A.M. 46-1519)	Ixiolite (A.M. 48-216)
Caryopilite (A.M. 49-446)	Melanophlogite (A.M. 48-216)
Cervantite (A.M. 47-1221)	Molybdite (A.M. 49-1497)
Coulsonite (A.M. 47-1284; 48-948 and 952)	Rozenite (A.M. 49-820)
Cuprorivaite (A.M. 47-409)	Siderotil (A.M. 49-820)
Doverite (A.M. 47-337)	Spencite (A.M. 47-9)
Empressite (A.M. 49-325; 50-795 and 802)	Stützite (A.M. 49-325; 50-795 and 802)
	Vladimirite (A.M. 50-813)

Redefinitions of species on which the Commission were divided:

Hydrocervantite (M.A. 15-486)	Hügelite (A.M. 47-418)
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Redefinitions of species rejected by the Commission by a large majority:

Hydroamesite (A.M. 50-810)	Lillianite (A.M. 47-811)
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The Commission considered a further list of pairs (or more) of synonyms at its 1966 meeting:

Unanimously agreed:

Celestine, not celestite, coelestin, cölestin, or zölestin.
Metavariscite, not clinovariscite or klinovariscit
Phosphosiderite, not metastrengite, clinostrengite, or klinostrengit

The following names, preferred by a large majority of the Commission, are recommended:

Natron, not soda	Uranites (group name), not Uran-
Nickeline, not niccolite or nickelite	micas or Uranglimmer
Titanite, not sphene	

No decision was reached on the following (in each case the first name will continue to be standard usage in Min. Mag.):

Allanite or orthite	Blödite, bloedite, or astrakhanite
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Chalcosine, chalkosine, chalcocite, or chalcosite	Idocrase, vesuvian, vesuvianite, or idokras
Kyanite, cyanite, cianite, or dis- thene	Stibnite, stibine, or antimonite Talmessite or belovite
Offretite or erionite	

Nomenclature of rare-earth minerals:

After consideration of several proposals designed to avoid giving separate new names to each member of a pair or group of isostructural minerals that differ only in the predominant rare-earth present, the Commission decided to recommend the system proposed by A. A. Levinson (Amer. Min., 1966, vol. 51, p. 152).
