NOTES AND NEWS

CORRECTIONS TO DANA'S SYSTEM OF MINERALOGY, VOLUME ONE, SEVENTH EDITION

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The accompanying list details all of the significant corrections that have so far been found in the first printing of volume one of the seventh edition of Dana's System of Mineralogy (John Wiley and Sons, New York, 1944). These corrections, together with others of a minor nature, have been effected in the second printing of the work (January, 1946), and are listed here for the information of holders of the original printing. A few additional corrections, found too late for inclusion in the second printing, are also listed. These are indicated by an asterisk preceding the page number. Reprints of this paper may be obtained from the above address.

Page	Line	
viii	14, up	*for* years *read* months.
6	5, down	*for* structure factors *read* structural controls.
6	13, up	*for* The crystal symmetry class notation used here is that of Rogers *read* The class names used here are those of Groth modified by Rogers, . . .
9	1, down	*for* in the lower column *read* in the column headed "lower."
*13	Eqn. 25	*for* $c = \dfrac{q_0' \cos \nu \sin \lambda}{\sin \mu}$ *read* $c = \dfrac{q_0' \cos \rho_0 \sin \nu}{\sin \mu}$.
14	3, down	*delete the brackets around the equation.*
14	Table 4	*delete the vertical bar between* Class *and* 1 *and center the heading* Class 1 *over the two left-hand columns.*
20	Table 5	*delete the vertical bar between* Class *and* m *and center the heading* Class m *over the two left-hand columns.*
22	Eqn. 69	*for* $\tan \rho = C$ *read* $\tan \rho = \tan C$.
*22	6, up	*for* the angle to $-m(1\bar{1}0)$ *read* the angle to $-m(\bar{1}10)$.
25	8, up	*for* $i = (h+k)$ *read* $\bar{i} = (h+k)$.
32	Table 14	*for form* e *under column* $\rho = A_3$, *for* 26°33' *read* 26°34', *and under column* A_2 *for* 63°27' *read* 63°26'.
41	20, up	*the sentence beginning* The degrees of . . . *should be made a new paragraph.*
43	Ref. 24, footnote	*for* 556 *read* 566.
48	9, down	*for* 1922 *read* 1916.
48	14, down	*for* tables *read* atlas, *and for* 1922 *read* 1916.
62		*under Roy. Soc. Edinburgh, Trans. for* vol. 1–57, no. 6, 1783–1932 *read* vol. 1, 1783-date.
64		*under Zs. anorg. Chem. for* vol. 51–100, 1906–07 *read* vol. 51–100, 1906–17.
68		*under Clarke* (*1924*) *for* 1934 *read* 1924.

75   *under Kraus, Hunt and Ramsdell (1936) for* S. L. Ramsdell *read* L. S. Ramsdell *and for* 1836 *read* 1936.

85   5, up   *for* Millimicrons $= 10^{-6}$ cm $= \dfrac{\text{Å}}{100}$ *read* Millimicrons $= 10^{-7}$ cm $= 10$Å.

87   *under Class 1, Type 2, for* Non-metals *read* Non-metals and semi-metals.
87   *under Class 5, add* Type 3, Miscellaneous.
87   *under Class 6, delete* Type 3, Miscellaneous.
104   *under Ref. 2, for* (Ag_5Hg) *read* (Ag_5Hg_3).
110   4, down   *for* planet *read* planetoid.
112   *under citation of analyses, insert* 7. *before* Borneo[8].
*113   *in Ref. 1, for* 3 2/m *read* $\bar{3}$ 2/m.
*113   *in Ref. 3, for* 1016 *read* $10\bar{1}6$ *and for* 1012 *read* $10\bar{1}2$.
*123   *under Forms, for* $\bar{n}\{101\bar{4}\}$ *read* $\bar{n}\{10\bar{1}4\}$.
128   *under Arsenic, Cryst., for* 3 2/m *read* $\bar{3}$ 2/m.
128   *under Forms, for* Z $01\bar{1}8$ *read* z $01\bar{1}8$, *and for* P $01\bar{1}2$ *read* p $01\bar{1}2$.
*132   *under Forms, for* c 001 *read* c 0001.
*136   *under Forms, for* m 1010 *read* m $10\bar{1}0$.
140   *under Sulfur, Cryst., read* $q_1 : r_1 : p_1$ *in the ratio* $q:r:p = 0.8131 : 0.4272 : 1$, *and read* $r_2 : p_2 : q_2$ *in the ratio* $r:p:q = 0.5254 : 1.2298 : 1$.

146   11, down   *for* hydrosulfate *read* hydrosulfide.
147   *In the two figures on the right in the top row, for* c *read* a.
151   Ref. 5   *for* 7 *read* 360.
151   Ref. 15   *for* Hey *read* Bannister and Lonsdale.
152   bottom line   *for* 1.93–207 *read* 1.93-2.07.
154   Ref. 1   *for* 27 *read* 26.
160   *under Structure cell, add* Space group $R\bar{3}m$.
162   *under Structure cell, for* Space group $R\bar{3}$, $R32$ or $R\bar{3}m$ *read* Space group $R\bar{3}m$.
163   6 and 7, up   *for* Temiskaming district *read* Cochrane district.
165   *to Ref. 4, under oruetite, add* See also Peacock (*Univ. Toronto Stud., Geol. Ser.*, **46**, 83, 1941).
168   *in Anal. 1, for* 10.33 *read* 10.01, *for* 0.32 *read* 0.60, *and for total*, 100.08, *read* 100.04.
169   1, top   *for* Rem. is Fe 0.32 *read* Rem. is Fe 0.32, SiO$_2$ 0.28.
175   *under Anal., for* F$_2$O$_3$ *read* Fe$_2$O$_3$.
177   *in figure, for* c *read* a.
184   3, up   *for* Hg$_2$Te *read* Ag$_2$Te.
192   *in last line of Ref. 2, for* 29 *read* 28.
198   *under Opt., delete* $n_D = 1.6654$.
*210   *under Forms, for* $-\beta$ 223 *read* $-\beta$ $\bar{2}$23; *for* γ $\bar{2}$25 *read* $-\gamma$ $\bar{2}$25; *for* Z $\bar{3}$57 *read* $-$Z $\bar{3}$57.
215   *under Forms, for* q 112 *read* n 112, *and for* $-q$ $\bar{1}$12 *read* $-n$ $\bar{1}$12.
216   *in figure, for* k *read* n.
*220   *under Forms, for* $-p$ 112 *read* $-p$ $\bar{1}$12.
225   *in right hand figure, transpose* $-p$ *and* $-n$.
*229   *under Forms, for* y 7078 *read* y $70\bar{7}8$.
231   *in Niccolite Group tabulation, after* 2656 Pentlandite *for* (Fe, Ni)S *read* (Fe, Ni)$_9$S$_8$.

234		*under Artif., for* FeS *read* FeS$_2$.
235	12, down	*for* (3×3.433) *read* ($\sqrt{3}$×3.433).
*240		*under Forms, for* −μ 14$\bar{5}$3 *read* μ 14$\bar{5}$3.
*249		*under Less common forms, for* g $3 \cdot 0 \cdot 3 \cdot 16$ *read* g $3 \cdot 0 \cdot \bar{3} \cdot 16$.
*252		*under Forms, for* i 2025 *read* i 20$\bar{2}$5; *for* Δ 1012 *read* Δ 10$\bar{1}$2; *for* −q 0221 *read* q 02$\bar{2}$1; *for* u:' 1124 *read* u:' 11$\bar{2}$4.
*253	7, up	*for* Idrilin *read* Idrialin.
*255	5, down	*under Uncertain forms, for* $1 \cdot 0 \cdot 1 \cdot 14$ *read* $1 \cdot 0 \cdot \bar{1} \cdot 14$.
*260	6, down	*in Ref. 2, for* space group *Pnma read* space group *Pmcn*.
270		*under Forms, for* φ 120 *read* o 120.
274		*under Artif., for* Sb$_2$O$_2$ *read* Sb$_2$O$_3$.
278	bottom line	*for* bismutosphalerite *read* bismutosphaerite (*or, more correctly, bismutite*).
279		*under Kermesite, Cryst., insert superscript* 2 *after axial ratio, i.e.,* $a:b:c = 1.339:1:1.265^2$.
283		*in right hand figure in the middle row (Urals) for* e' *read* 'e. Note also in the second figure in the top row that the striations on the cube face (010) should be horizontal.
292		*after Artif. add* Name. Named by Wöhler as a compliment to the wife of a personal friend.
294		*in line 9 under Occur. for* Wakatipu district, Collingwood, New Zealand *read* Wakatipu district, and Collingwood, New Zealand.
303		*line 8 in synonomy after Loellingite, for* Pharmokopyrit *read* Pharmakopyrit.
304		*in bottom right hand figure, from Center Strafford, N. H., add caption* (Old orientation; $z = s$, $l = m$, $m = e$).
*307		*in Structure Cell, for* Co$_4$As$_8^4$ *read* Co$_4$As$_8^{11}$.
*309		*under ref. 10 add* 11. de Jong (*Physica,* **6,** 325, 1926) by powder and rotation methods on material from Schneeberg.
309		*delete analysis no. 3 and the corresponding citation (Hudson Bay mine).*
310		*in Ref. 4, line 2, for* 670 *read* 676.
318		*in the middle figure of the top row, for the caption* Serbia *read* Serbia. α{1.24.0}.
326		*under Chem., add superscript* 2 *as follows*: Only one analysis has been made.[2]
*333		*under Krennerite, Cryst., for* Orthorhombic; dipyramidal—$2/m$ $2/m$ $2/m$ *read* Orthorhombic; pyramidal—m m 2.
*338		*under Sylvanite, Forms, for* N $\bar{1}$03 *under* φ *for* −90°00′ *read* 90°00′; *and in list of less common forms for* X $\bar{3}$11 *read* K $\bar{3}$11.
340	17, down	*for* Kirkland Lake *read* Porcupine.
343		*in Anal. no. 4, for* 75.30 *read* 75.70 *and for total,* 99.54, *read* 99.94.
344		*in analysis citation no. 16, for* Cobalt, Ontario *read* Oravicza, Roumania.
344		*in analysis no. 24, for* 74.54 *read* 74.52, *and for total,* 99.74, *read* 99.72.
345	23, down	*for* Goat Hill *read* Great Hill.
346		*in Ref. 23, for* 80 *read* 81.
348		*after 3313 Colusite, for* Cu$_3$(Sn,Te,V,As)S$_4$ *read* Cu$_3$(Sn,Te,Fe,V,-As)S$_4$.
348		*after 31. $A_mB_nX_p$ Type, for* $m+n>4:3$ *read* $m+n:p>4:3$.

351		*in right hand figure, for the lower face p read P, for the lower face r read R, and for the lower face-labeled n read N.*
352		*in citation of analysis no. 3, for* Quespisiza, Chile, *read* Quespisiza, Peru.
354		*in the figure, transpose p and r on the upper faces, and label the bottom face in the same zone R and the face next above P.*
359		*in list of less common forms, for l 233 read l 223.*
*369		*under Forms, for P 141 read P* $\bar{1}$41.
371		*under Forms, for P 111 read P* $\bar{1}$11.
373		*for* Occur. *read* Occur.[7]
376, 377, 378		*under Anal., for* ferrian *read* ferroan *in the captions to anals. 5, 6, 8, 14, 18, 28, 30, 34.*
378		*in the citation to analysis no. 29, for* (and bismuthian) *read* (and bismuthian, ferroan). *In the citation to analysis no. 35 for* (sandbergite) *read* (sandbergerite).
390		*in the right hand figure, for f read* Π.
395		*transpose the right hand figure with the lower right hand figure (Harz) on page 407.*
407		*in the lower left hand figure, for n read* η.
*417	top line	*for* c_0 6.88 *read* c_0 5.88.
417		*in the left hand figure, transpose w and v.*
440		*under Forms, in the column headings to the angle table for ρ read* $\rho = C$; *for* ρ_1 *read* $\rho_1 = A$; *for* ρ_2 *read* $\rho_2 = B$.
*440		*in Structure cell, for* Space group *Pnma read* Space group *Pmcn*.
440		*in the caption to analysis no. 3, for* SnS *read* Zns.
443		*in the figure, for x read v, and for the prism forms F K m s read s m K F.*
*443		*under Forms, for form* π $\bar{1}$11 *under column* ϕ, *for* 6°40′ *read* $-6°40′$.
450		*in line 2 in Ref. 1, for* to new elements *read* to new elements in the preferred position.
458		*in the figure labeled San Jose, Bolivia, for the brachydome v read* π.
461	11, down	*insert superscript 5 after formula, e.g.,* $Pb_4As_6S_{13}{}^5$.
465	top line	*for 5.533 read 5.60.*
469		*in figure, for u read U, and for v read v.*
471		*under Forms, for G 211 read g 211, and in the list of less common forms, for g 311 read G 311.*
472	3, down	*for* A bismuth sulfide, *read* A lead, bismuth sulfide.
484		*in the right hand figure, for σ read o.*
491		*in the tabulation of the* AX_2 *Type, in line 14 for* 4581 Bismite *read* 447 Bismite, *and for* 4582 Sillenite *read* 448 Sillenite. *(These species properly belong at the end of the* AX_3 *type.)*
491		*Following Sillenite, insert a heading* 46. A_mX_n Type, *and change the type numbers under it as follows: for* 459 Vanoxite *read* 461 Vanoxite, *for* 45.10 Corvusite *read* 462 Corvusite, *for* 45.11 Ilsemannite *read* 463 Ilsemannite, *for* 45.12 Russellite *read* 464 Russellite, *for* 45.13 Tungstite *read* 465 Tungstite.
492		*in the upper left hand figure, labeled Wheal Phoenix, Cornwall, for x read F.*
494		*in Ref. 1, line 3, for* (155, 1916) *read* (155, 1915).
*495		*under Forms, for y 0kil read y* 0k$\bar{\text{i}}$l

*504		under Forms, for α 4045 read α 40$\bar{4}$5.
*505		in caption under figure, for f{20$\bar{2}$1} read f {11$\bar{2}$2}.
*508		under Forms, for form {101} read {$\bar{1}$01}.
518	2, down	in analysis no. 1, for Pb_3O_4 9.39 read 91.39.
*528		under Forms, for μ 0115 read μ 011$\bar{5}$, and for s 02$\bar{2}$1 read z 02$\bar{2}$1; in the list of less common forms for λ 10.1.16 read λ 1.0.$\bar{1}$.16, and for z 22$\bar{4}$1 read s 22$\bar{4}$1.
*535		under Ilmenite forms, for P 0551 read P 05$\bar{5}$1.
537		in citation of analyses, after no. 1, for $FeTiO_2$ read $FeTiO_3$.
544	bottom line	for calamine read cerussite.
546		in the right hand figure, for u read a.
550		at the top of the page, in the third column of forms, for 5.3.0 read 530, and in the fifth column, for 0.11. read 0.11.8.
555		under Forms, for z 231 read Z 231.
563		in the fifth line under Chem., for ebelmanite read ebelmenite
566		in line 7 under the heading Wad, delete (and cryptomelane)
*567		under Anal., insert 7 at top of the right hand column.
570	16, down	for Sweden read Norway.
	15, down	for Black Forest read Odenwald.
	14, down	for Rhine Province read Westphalia.
	16, down	for in the Tirol read, Salzburg.
577	19, up	for Wyoming read Nevada.
579	5, down	delete Near Burns, Oregon.
	8, down	for Wyoming read Nevada.
	10, down	for pageite read paigeite.
	12, down	for Algoma district read Sudbury District.
584		in the left hand figure in the top row, for η read n.
598	10, down	for Ontario read Quebec.
599		for 4581 Bismite read 447 Bismite.
601		for 4582 Sillenite read 448 Sillenite.
601		for 459 Vanoxite read 461 Vanoxite.
602		for 45.10 Corvusite read 462 Corvusite.
603	2, up	for $MoO_3SO_3 \cdot 5H_2O$ read $MoO_3 \cdot SO_3 \cdot 5H_2O$.
*604	7, up	for $\bar{4}$ 2/m read $\bar{4}$ 2 m.
604		for 45.12 Russellite read 464 Russellite.
605		for 45.13 Tungstite read 465 Tungstite.
607		in the tabulation of oxides containing uranium, for 531 Becquerelite read 523 Becquerelite, for 532 Schoepite read 524 Schoepite, for 533 Fourmarierite read 531 Fourmarierite, for 534 Curite read 532 Curite, for 535 Uranosphaerite read 533 Uranosphaerite, for 536 Vandenbrandite read 534 Vandenbrandite, and for 537 Ianthinite read 535 Ianthinite.
608		under Forms, for r 102 read r $\bar{1}$02.
608		in the figure, for n read y, and in the caption to the figure for Rakwana, Ceylon, read Balangoda, Ceylon.
625		for 531 Becquerelite read 523 Becquerelite.
627		for 532 Schoepite read 524 Schoepite.
628		for 533 Fourmarierite read 531 Fourmarierite.
629		for 534 Curite read 532 Curite.
631		for 535 Uranosphaerite read 533 Uranosphaerite.
632		for 536 Vandenbrandite read 534 Vandenbrandite.

633		*for* 537 Ianthinite *read* 535 Ianthinite.
635		*in tabulation of* AX_3 *Type, bottom line, for* 625 Psilomelane *read* 618 Psilomelane (*belongs in* AX_2 *type*).
646		*in Ref. 5, for* 0.20 *read* 0.020.
656	6, down	*for* Tasmania *read* Transvaal.
658	2, up	*for* Sweden *read* Norway.
665	5, up	*for* chalcaluminite *read* chalcoalumite.
668		*in citation no. 1 under the analyses, for* $Ca_4Al_6(OH)_{14} \cdot 5H_2O$ *read* $Ca_4Al_2(OH)_{14} \cdot 5H_2O$.
668		*for* 625 Psilomelane *read* 618 Psilomelane.
673	bottom line	*in the formula for 762 Zirkelite, for* $(Ca,Fe,Th,U)(Ti,Zr)_2O_5$ *read* $(Ca,Fe,Th,U)_2 (Ti,Zr)_2O_5$.
691	5, up	*for* SnO_2 *read* SiO_2.
*706		*in ref. 12, for* (001) pyrophanite *read* (0001) pyrophanite.
707	11, up	*for* Vredenbergite *read* Vredenburgite, *and for* 199 *read* 42.
721	10, down	*for* Porte *read* Poste.
721	3, up	*for* 17 *read* 9.
*724		*in angle table, for d* $\bar{1}01$ *under* ϕ, *for* 90°00′ *read* −90°00′.
*726		*under Less common forms, for q* 2023 *read q* $20\bar{2}3$.
742	top line	*for* Hf *read* HF.
746, 747		*for the caption* $A_mB_nX_x$ Type *read* $A_mB_nX_p$ Type.
764		*under Anal. for* La_2O *read* La_2O_3.
771		*in caption to analysis no. 1, for* Al_2Ta_2O *read* $Al_2Ta_2O_8$.
772	4, up	*for* Ca_2O_3 *read* Ce_2O_3.
779		*under Chem., line 2, for* $(A_2B_3B_{10})$ *read* $(A_2B_3O_{10})$.
782		*the formula given for the specific gravity of members of the columbite-tantalite series, beginning on line 7, should read* $(5.20+0.03 \text{ x } \%Ta_2O_5 = G \pm 0.05$ *for* . . .)
*792	4, up	*for* Eschwegite *read* Eschwegeite.
797		*in the figure, for d read e, and for e read x.*
801		*the caption for analysis no. 2 should read* 2. Plumboniobite. Rem. is loss on ign.
809		*Ampangabeite, for* 805 *read* 806.
811		*Baddeleyite, for* 607 *read* 607, 608.
813		*for* Cacheutite *read* Cacheutaite.
814		*for* Colbaltpyrite *read* Cobaltpyrite.
814		*for* Colbaltum . . . *read* Cobaltum . . .
*816		*for* Eschwegite *read* Eschwegeite.
819		*Hydroeuxenite, for* 805 *read* 806.
820		*Jacut, for* 420 *read* 520.
820		*Kayserite, for* 679 *read* 680.
821		*Kochelite, for* 762 *read* 757, 762.
822		*Magnetoplumbite, for* 727 *read* 728.
824		*Nemalite, nematolite, for* 637 *read* 636, 638.
824		*Nigrin, for* 558 *read* 555, 558.
827		*for* Rammelsbergit *read* Rammelsbergite.
828		*Schirmerite, for* 423 *read* 424.
831		*Tanatarite, for* 679 *read* 680.
833		*for* Vredenbergite *read* Vredenburgite.
833		*Vanadic Acid; Vanadic Ocher, for* 493 *read* 494.