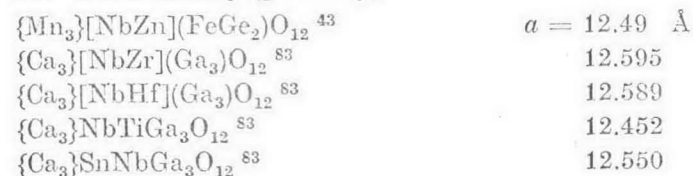


See also 1, 3, 4, 8, 21, 27.

23. Nb⁵⁺: *a* sites only (probably)24. Ta⁵⁺: *a* sites only (probably)

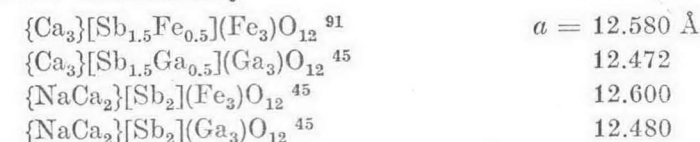
As indicated in my earlier survey⁸, it is to be expected that Ta⁵⁺ with a size only slightly smaller than that of Nb⁵⁺ would replace Nb⁵⁺ in like compounds. This has been shown to be the case by MILL⁸³:



Group V A

25. P⁵⁺: *d* sites only26. As⁵⁺: *d* sites only

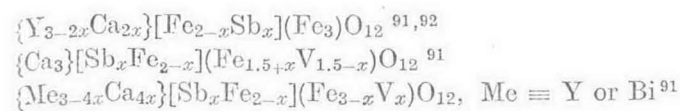
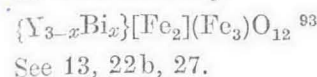
See 2.

27. Sb⁵⁺: *a* sites only

⁸⁹ S. GELLER, G. P. ESPINOSA, H. J. WILLIAMS, R. C. SHERWOOD and E. NESBITT, Ferrimagnetic garnets containing pentavalent vanadium. *J. Appl. Physics* **35** (1964) 570–572.

⁹⁰ G. P. ESPINOSA and S. GELLER, Growth of single-crystal garnets of the system $\{Bi_{3-2x}Ca_{2x}\}[Fe_2](Fe_{3-x}V_x)O_{12}$. *J. Appl. Physics* **35** (1964) 2551–2555.

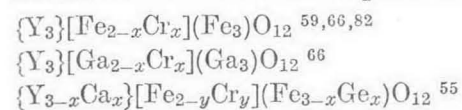
⁹¹ S. GELLER, H. J. WILLIAMS, G. P. ESPINOSA and R. C. SHERWOOD, Ferrimagnetic garnets containing pentavalent antimony. *J. Appl. Physics* **35** (1964) 542–547.

28. Bi³⁺: *c* sites only

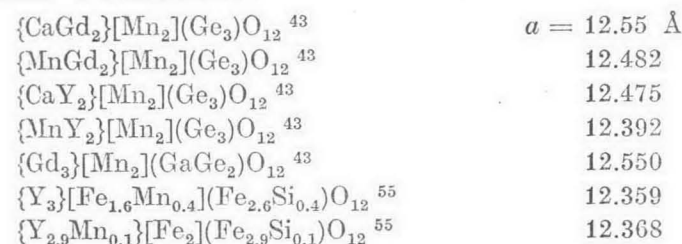
Group VI B

29. Cr³⁺: *a* sites only

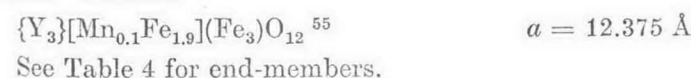
See Tables 3 and 4 for examples of end-members.



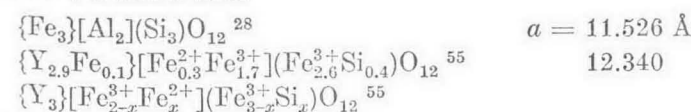
Group VII B

30a. Mn²⁺: *c* and *a* sites

See Tables 3 and 4 and also 2, 4, 8, 9, 33a, 35.

b. Mn³⁺: *a* sites

Group VIII

31a. Fe²⁺: *c* and *a* sites

²² G. BLASSE, Magnetic-garnet phases containing pentavalent antimony. *Philips Res. Reports* **19** (1964) 68–72.

⁹³ S. GELLER, H. J. WILLIAMS, G. P. ESPINOSA, R. C. SHERWOOD and M. A. GILLES, The reduction of the preparation temperature of garnets by bismuth substitution. *Appl. Physics Letters* **3** (1963) 21–22.