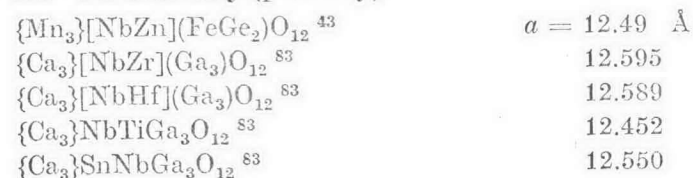


See also 1, 3, 4, 8, 21, 27.

23. Nb<sup>5+</sup>: *a* sites only (probably)24. Ta<sup>5+</sup>: *a* sites only (probably)

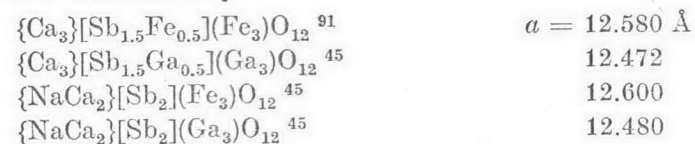
As indicated in my earlier survey<sup>8</sup>, it is to be expected that Ta<sup>5+</sup> with a size only slightly smaller than that of Nb<sup>5+</sup> would replace Nb<sup>5+</sup> in like compounds. This has been shown to be the case by MILL<sup>83</sup>:



## Group V A

25. P<sup>5+</sup>: *d* sites only26. As<sup>5+</sup>: *d* sites only

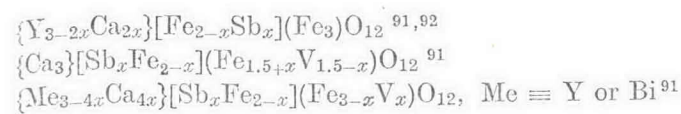
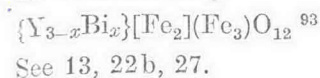
See 2.

27. Sb<sup>5+</sup>: *a* sites only

<sup>89</sup> 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.

<sup>90</sup> 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) 2551–2552.

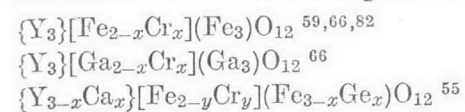
<sup>91</sup> S. GELLER, H. J. WILLIAMS, G. P. ESPINOSA and R. C. SHERWOOD, Ferrimagnetic garnets containing pentavalent antimony. *J. Appl. Physics* **35** (1964) 542–547.

28. Bi<sup>3+</sup>: *c* sites only

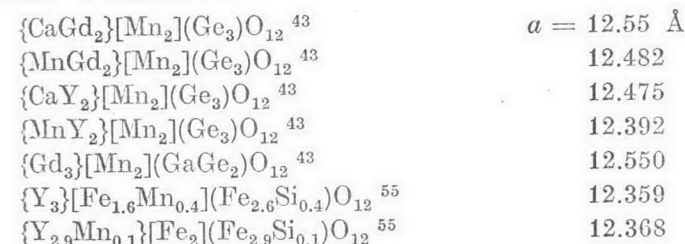
## Group VI B

29. Cr<sup>3+</sup>: *a* sites only

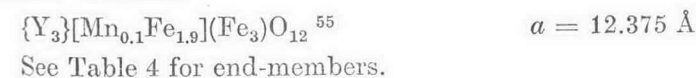
See Tables 3 and 4 for examples of end-members.



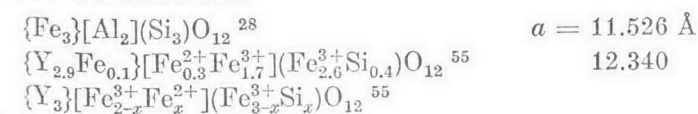
## Group VII B

30a. Mn<sup>2+</sup>: *c* and *a* sites

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

b. Mn<sup>3+</sup>: *a* sites

## Group VIII

31a. Fe<sup>2+</sup>: *c* and *a* sites

<sup>28</sup> G. BLASSE, Magnetic-garnet phases containing pentavalent antimony. *Phillips Res. Reports* **19** (1964) 68–72.

<sup>55</sup> 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.