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REFERENCES

- Barth, T. F. W. 1962: Theoretical Petrology, 2nd ed., John Wiley & Sons, Inc., New York. 416 pp.
- Bjørlykke, H. & Svinndal, S. 1906: The carbonatite and per-alkaline rocks of the Fen area. Mining and exploration work. *In* Holtedahl, O. (ed.), Geology of Norway. *Nor. Geol. Unders.* 208, 105-110.
- Eskola, P. 1920: Mineral facies of rocks. Nor. Geol. Tidsskr. 6, 143-194.
- Størmer, L. 1944: On the relationship and phylogeny of fossil and recent Arachnomorpha. Skr. Nor. Vidensk. Akad. i Oslo, Mat.-Naturvidensk. Kl., 1944, No. 5, 158 pp.

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