



A Treatise on Chemistry Volume 2, No. 2

By Henry Enfield Roscoe

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1890 Excerpt: .are soluble, and can be readily obtained by fusing one molecule of vanadium pentoxide with two molecules of the carbonate of an alkali-metal dissolving, and crystallizing. They are likewise obtained by the decomposition of an aqueous solution of the corresponding orthovanadate. The pyrovanadates of the heavy metals are usually insoluble in water, and possess properties generally similar to those of the corresponding orthovanadates. The metavanadates are usually yellow; some of them, especially those of the alkaline earths, zinc, cadmium, and lead, are converted into colourless isomeric modifications, either in the solid state under water, in aqueous solution, and especially in the presence of alkaline carbonates. The metavanadates of the alkali-metals are colourless, and on treatment with an acid give rise to anhydro-salts, which have a fine yellowish-red colour. The metavanadates of ammonium, potassium, sodium, barium, and lead, are but sparingly soluble in water. The other metavanadates...

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