



The Radioactivity of Illinois Waters: Thesis Submitted in Partial Fulfillment of the Requirements for Tge Degree of Doctor of Philosophy in Chemistry, in the Graduate School of the University of Illinois, 1916 (Classic

By Clarence Scholl

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Radioactivity of Illinois Waters: Thesis Submitted in Partial Fulfillment of the Requirements for Tge Degree of Doctor of Philosophy in Chemistry, in the Graduate School of the University of Illinois, 1916 During his visit to the United States in 1902, J. J. Thomson reported that the research men of Cavendish laboratory of London had separated a very active gas from a deep well water. At Professor Thomson s suggestion Bumstead and Wheeler investigated the waters of New Milford and New Haven, Connecticut, and found that these two waters contained gases whose activity was six to eight times the normal air leak of an electroscope. Similar research made by other investigators upon European waters, showed that the active gases occurred universally but varied in quantity in different localities. As there was no standard of activity at that time no quantitative measurements were made; the period of decay of the active material was found to correspond in most cases to the decay period of radium emanation. Boltwood in 1904, and Boltwood and Rutherford in 1906, investigated...

Reviews

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