

GENEALOGY DATABASE ENTRY

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Jones, Harry Clary

1865 - 1916

DEGREE: PhD

DATE: 1892

PLACE: Johns Hopkins

TEACHER/RESEARCH ADVISOR: Morse

investigated hydrates using conductivity, dissociation, and freezing point lowering measurements, leading to his hydrate theory - in concentrated salt solutions, water acts not as a solvent but combines with various ions to form a hydrate; first to explain the phenomenon of negative viscosity coefficients; studied absorption spectra of solutions and their bearing on solvation; prepared cadmium compounds; determined the atomic weights of various elements, such as cadmium, yttrium, praseodymium, and neodymium.

1. *Proc. Am. Chem. Soc.* **1916**, 94-96.
2. *American Chemists and Chemical Engineers*; Miles, W. D., Gould, R. F., Eds.; Gould Books: 1994; vol. 2, p152-153.
3. *Publication 210*, Carnegie Institution of Washington, Chapter 7.