

Henry PG Darcy and other pioneers in hydraulics

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Title: HENRY P. G. DARCY AND OTHER PIONEERS IN HYDRAULICS

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Interpretive Summary: June 10th, 2003 is the 200th anniversary of the birth of Henry Philibert Gaspard Darcy (1803-1858), a skilled engineer, public servant, and community leader. Darcy's research greatly contributed to today's understanding of flow in canals, pipes and in the soil. His work established fundamental principles in the fields of surface flow, ground-water hydrology, soil physics, and petroleum engineering. In celebration of his anniversary, this book presents selected contributions by both Darcy and other pioneers in hydraulic history. Seven papers describe Darcy's achievements and legacy, with a paper by Darcy's descendent and namesake. Additional essays on contributions of other pioneers in water resources history are included. Historical developments in pumping equipment in medieval Europe and the USA in the 19th century, dam failures, and the hydraulic engineering collection at the Smithsonian Institution are also reviewed. Finally, the history of the hydraulics program at Colorado State University, St. Anthony Falls, and USDA-ARS laboratories is presented.

Technical Abstract: June 10th, 2003 is the 200th anniversary of the birth of Henry Philibert Gaspard Darcy (1803-1858). While best known for his research findings of Darcy's Law and the Darcy-Weisbach Equation, he was also a skilled engineer, public servant, and community leader. In celebration of the anniversary, this publication is a collection of 20 peer-reviewed contributions that address both Darcy and other pioneers in hydraulic history. Seven papers describe Darcy's achievements and legacy, and include a paper contributed by Darcy's descendent and namesake. Additional essays address the contributions of Henry Bazin, Günther Garbrecht, Hans Einstein, Victor Streeter, Carl Kindsvater, and Floyd Nagler. Historical developments in pumping equipment in medieval Europe and the USA in the 19th century, dam failures due to uplift, and the hydraulic engineering collection at the Smithsonian Institution are also reviewed. Finally, the history of the hydraulics program at Colorado State University, St. Anthony Falls, and USDA-ARS laboratories is presented.

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and other fittings. While Weisbach presented Eq. 2 in the form we use today, his. a curious situation since it is believed that Weisbach's interest in hydraulics. developed after visiting the Paris Industrial Exposition in 1839 and that he also. attended the 1855 Paris World Exposition. In 1857 Henry Darcy (1803-1858) published a new form of the Prony equation based on experiments with various types of pipes from 0.012 to 0.50 m. diameter over a large velocity range (Darcy, 1857). His equation for new pipes was Related PDF to Henry P.G. Darcy and Other Pioneers in Hydraulics: Contributions in Celebration of the 200th Birthday of Henry Philibert Gaspard Darcy, June 23-26, 2003, Philadelphia, Pa by Henry Darcy, Glenn O. Brown, Jurgen Garbrecht, Willi H. Hager. 1. Only Mr. Darcy Will Do by Kara Louise. 2. Claiming HIS Mistress (Modern Romance S.) by Emma Darcy. 3. Becoming Elizabeth Darcy by Mary Lydon Simonsen. 4. All Natural Soup Cookbook by Darcy Williamson, John Allgair. 5. The Falcon's Mistress (Bestseller Romance) by Emma Darcy. 6. The Hot Blooded Groom by Emma Darcy. Darcy, Henry. French Hydraulic Engineer 1803–1858. No other name is more closely associated with the field of hydrology than that of Henry Darcy. His expression for the movement of water through an aquifer, known as Darcy's Law, is still used today. Henry Philibert Gaspard Darcy was born in Dijon, France, the capital of the Department of Côte d'Or. In 1826, Darcy received his degree in Civil Engineering from the School of Bridges and Roads in Paris, a specialty institution of the Corps of Bridges and Roads. Upon graduating in the top tier of his class, he was appointed to the presti

Henry Philibert Gaspard Darcy was a French engineer who made several important contributions to hydraulics including Darcy's law for flow in porous media. Early life Darcy was born in Dijon, France. Despite his father's death in 1817. For other people named Henry Darcy, see Henry Darcy (disambiguation). This article needs additional citations for verification. Please help improve this article by adding citations to reliable sources. Unsourced material may be challenged and removed. Find sources: "Henry Darcy" news newspapers books scholar JSTOR (July 2009) (Learn how and when to remove this template message). Henry Darcy. Henry Darcy.