

Newsletter Winter 2023

The Groundwater Project (GW-Project) continues to make significant advances with 29 books published, 10 books soon to be published, 18 books in review and 143 books in progress. Books have been downloaded over 130,000 times in 174 countries. With 1,000 volunteers working in 44 countries acting as authors, reviewers, translators and volunteers. At present, 118 book translations are underway with 24 languages published to date and a further 20 in progress.

Books published July 2022 to January 2023:

- Stable Isotope Hydrology: R. Diamond
- Variable-Density Groundwater Flow: V. Post, C. Simmons
- Large Aguifer Systems Around the World: J. van der Gun
- The Edwards Aquifer: J. Sharp, R. Green
- Distributed Fiber-Optic Hydrogeophysics: S. Tyler, J. Selker, T. Bogaard, N. van de Giesen, J. Aquilar-Lopez
- Dissolved Organic Carbon in Groundwater Systems: F. Chapelle,
- Introduction to Isotopes and Environmental Tracers as Indicators of Groundwater Flow: P. Cook
- Managed Aquifer Recharge: Southern Africa: E. Braune, S. Israel
- Fractures and Faults in Sandstone and Sandstone-Shale/Mudstone Sequences and Their **Impact** Groundwater: A. Aydin, R. Ahmadov, M. Antonellini, J. Cherry, A. Cilona, S. Deng, E. Flodin, G. de Joussineau, B. Parker, J. Zhong
- Groundwater in Peat and Peatlands: J. Price, C. McCarter, W. Quinton

Children's Book: Claire and the Invisible Waters: L. Cordeiro de Souza

Republished Books: Old published books online now or soon

- An Illustrated Handbook of LNAPL Transport and Fate in the Subsurface: CL:AIRE
- Contaminant Transport Through Aquitards: A State of the Science Review: J.A. Cherry, B.L. Parker, K.R. Bradbury, T.T. Eaton, M.B. Gotkowitz, D.J. Hart, M.A. Borchardt
- Contaminant Transport Through Aquitards: Guidance for Aguitard Assessment: K.R. Bradburv. M.B. Gotkowitz, D.J. Hart, T.T. Eaton, J.A. Cherry, B.L. Parker, M.A. **Borchardt**
- Dense Chlorinated Solvents and other DNAPLs in Groundwater: J. Pankow and J. Cherry
- Groundwater Hydrology and Hydraulics: D. McWhorter and D.
- Mechanics of Immiscible Fluids in Porous Media: A. Corey
- Petroleum Hydrocarbons in Groundwater: Guidance on Assessing: CL:AIRE
- Processes controlling the natural attenuation of fuel hydrocarbons and MTBE: CL:AIRE

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During 2022, Dr. John Cherry presented: Groundwater and the State of the Planet at the Stockholm Water Prize Event. This was developed into a 1 hour lecture Groundwater as a Key Factor for a Sustainable Future for Humanity presented at three European universities in the Fall (Lund, Neuchatel, EWAG), six Canadian universities (Saskatchewan, Calgary, Alberta, Simon Fraser, UBC) and UNAM in Mexico City. A short version of this talk was provided in 3 segments at the UN Water Summit in Paris in December 2022. The New Year has began with talks at the University of Waterloo (Jan 18th) and Dalhousie University (Feb 7th) with the title, The Global Water Food and Water Poverty Paradox: Pumping Too Much and Pumping Too Little. The intent is to explain the immense importance of groundwater and draw attention to The Groundwater Project as an innovative philanthropic endeavor. John Cherry was interviewed by Jay Flamiglietti in the What About Water podcast to discuss groundwater's importance.

We are grateful to the hundreds of individual donors and 3 Universities who sustain The Groundwater Project. A special thank you to Jim Spain, Tom Doe and the Bob and Anne Borden Foundation for their support. We are grateful to our 26 corporate sponsors with annual commitments of \$2,000 to \$20,000 each year for a 5-year period. Special thanks to Technical Development Solutions (TDS) in Saudi Arabia for their Platinum level annual contribution of \$50,000 US per year for 5 years. Thank you to the BMP Water and Wastewater Conference who each year donates half of their annual proceeds to sustaining the GW-Project.

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