

HERMAN BOUWER AWARD - DAVID PYNE RECOGNIZED FOR HIS PROFESSIONAL CAREER FOCUSED ON THE APPLICATION MANAGED AQUIFER RECHARGE FOR WATER RESOURCES MANAGEMENT

The Groundwater Resources Association of California and the Arizona Hydrological Society convened the 2018 Biennial Symposium on Managed Aquifer Recharge, held in March in San Diego. The two-day meeting brought together water managers, engineers and hydrogeologists to share updates on techniques and technologies that are applied to increase the storage of water in the sub-surface. Changing weather patterns are forcing water managers to think creatively about water storage options. Where geological conditions permit, using “space” in aquifers to recharge groundwater is a much better option than building expensive surface reservoirs.

One of the pioneers of managed aquifer recharge, (MAR) was the late Dr, Herman Bouwer who had a long career as a scientist working at the US Water Conservation Laboratory, Department of Agriculture in Phoenix, AZ. It was to honor his work that in 2014 the Groundwater Resources Association of California and the Arizona Hydrological Society created the Herman Bouwer Award. The Award is presented every two years at the Biennial Symposium on Managed Aquifer Recharge in recognition of a person who has significantly advanced the understanding or utilization of Managed Aquifer Recharge.



Andrew Stone, American Ground Water Trust (right), presents David Pyne, ASR Systems with the 2018 Herman Bouwer Award

Andrew Stone, Executive Director of the American Ground Water Trust, nominated David Pyne, President of ASR Systems, Gainesville, FL, for the 2018 Herman Bouwer Award. In remarks made at the 2018 Award Ceremony, Stone highlighted some of Pyne’s many achievements in advancing the adoption of aquifer storage projects in the US and overseas.

“David Pyne’s professional career in water resources engineering has had a huge impact on the application of aquifer recharge technology and has significantly advanced the understanding and utilization of Managed Aquifer Recharge. He is best known for pioneering the development of the Aquifer Storage Recovery (ASR) concept for water storage via wells in fresh, brackish, and saline aquifers. He coined the term “aquifer storage recovery” and wrote the definitive book on the topic, Aquifer Storage Recovery: A Guide to Groundwater Recharge Through Wells. With the growth in nation-wide implementation, ASR has become an accepted technical term and for many water professionals throughout the World, the name David Pyne and ASR have now become synonymous.

In addition to providing consulting services for US water districts and US clients, David has been involved with aquifer recharge projects in at least twenty overseas countries and has given direction and technical input for almost half of the approximately 140 ASR wellfields in the US and has been involved with or provided substantial technical guidance during the development of many water supply and aquifer recharge master plans.

David has been a tireless advocate for aquifer recharge technology and its many beneficial applications. He is a frequent invited presenter at professional and technical conferences and workshops, presenting a logical progression of technical, economic and regulatory arguments used to persuasively promote aquifer recharge as a solution to many water management situations.



Also present at the San Diego Symposium were the two previous recipients of the Herman Bouwer Award

Photograph, left to right, Andrew Stone, Robert C. Rice, (2014 Award), R. David G. Pyne, (2018 Award) and Dr. Mario R. Lluria (2016 Award).