

A Big Welcome to Mark Schreiber

By: David R. Knighton MD, Co-Founder, President and Chief Executive Officer



Mark Schreiber, P.E. joined the Creative Water Solutions' team as Senior Sales Engineer. Mark is a graduate of the US Naval Academy where he received his BS in Mechanical Engineering. He then served as a submarine officer followed by education in nuclear engineering and a job as Senior Nuclear Test Engineer for FirstEnergy Corporation. He has extensive experience in management of a branch office for two industrial design/architectural firms. He also has extensive experience and knowledge in the automobile industry.

I met Mark when he called to discuss using ProMoss™ at an auto maker plant in Ohio where he was the energy conservation engineer. We worked together to treat a large cooling and holding pond that had been on chemicals. That project was very successful and has resulted in other applications for ProMoss™ at that plant and potentially other auto maker plants. During one of my visits I told Mark we were considering hiring an engineer to help us design and manage industrial systems using The Moss™.

Mark said he had a candidate. He reached into his desk, took his card and gave it to me. His primary focus will be to assist large companies in formulating applications and serving as an ongoing resource in specific sectors of the market. He will also work with our dealer organization to transfer the expertise and knowledge he learns to other accounts that they currently serve or intend to pursue.

Mark will work from his home in Ohio and manage the growing auto industry market and spearhead entrance into the military, power plants and special projects with our water treatment systems. Mark and his family live on a farm, have horses, sheep, cats and dogs. His two daughters are artists and horse lovers. In fact, Mark sent me a prototype he and his daughters designed to deliver ProMoss™ to horse watering systems.



David R. Knighton MD, Co-Founder, President and Chief Executive Officer and Charity, Commercial Sales will be attending the SUNYPPAA and NYAPPA conference in Lake Placid, NY from June 12-14, 2018



Vance Fiegel, Co-Founder and Chief Scientific Officer, has been invited to speak at the 15th Annual World Aquatic Health Conference being held in Charleston, SC from October 10-12, 2018. The title of this talk is "Surface-bound Organic Contamination, Disinfection Byproducts (DBP) and Swimming Pool Filtration" and will be held at 11:00AM on Thursday.

Managing *Legionella* in Building Water Systems Conference

By: Vance D. Fiegel, Co-Founder and Chief Scientific Officer

I recently had the opportunity to attend the “Managing *Legionella* in Building Water Systems” conference, which was held from May 9th – 11th in Baltimore, MD. The conference was organized by NSF International and the National Science Foundation, with the goal being “to raise awareness and encourage positive, coordinated actions to combat legionellosis”. The conference was filled to capacity with stakeholders from all aspects of water treatment and water safety. There were numerous presentations from the U.S. Environmental Protection Agency (EPA), the Centers for Disease Control (CDC), as well as numerous academic institutions, state health agencies, and engineering firms. The program included sessions on biofilm, microbial contamination, *Legionella* prevention and mitigation, plumbing system design, risk factors and risk management, and implementation of guidances/standards/regulations. Being a microbiologist, obviously my favorite session was “Root of the Problem – Biofilm”. It is well understood that the ability of *Legionella*, and other pathogenic microorganisms, to reside within the biofilm of a water system is the basis of the problem. The biofilm in water systems provides a place for *Legionella* to live, replicate and be protected from outside environmental factors, including biocides. As long as the water system is functioning normally, everything remains in steady state and all appears well. However, when a significant perturbation occurs, such as source water change (Michigan), water main break (NY), or lack of biocide, the reservoir of *Legionella* are poised to populate the entire water system.

Overall, there were four primary take away messages from the conference:

1. Biofilm is the root of the problem of *Legionella* in water systems.
2. The rate of reported Legionnaire’s disease is rapidly increasing in the U.S.
3. Facilities should establish, and adhere to, Water Safety Plans.
4. Using ASHRAE 188 as a blueprint, states are being encouraged to develop and codify regulations such as have been established in New York.

