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President's Corner

by Jeff Burkhart

FELLOW members of the FWQA we are in the midst of another great year. If you have not been participating on a regular basis you are truly missing out. The Association has continued to balance its fine educational programming, community "let's make a difference by giving back" events and social gatherings.

Our nationally recognized speakers series continued in 2008 with Jerry Johnson, General Manager District of Columbia – Water and Sewer Authority in January; Tracy Mehan, formerly EPA's Assistant Administrator for Water and currently a Principal with the Cadmus group, in February; Uwe Brandes, Author and Urban Land Institute Director and former Director of Planning and Construction with the Anacostia Waterfront Corporation, in March; followed by Suzanne Adams, national sustainability expert from Weston Solutions and the University of Delaware.

Within our community FWQA has once again promoted environmental growth and education by participating in the region's high and middle school science fairs as judges and awarders of various levels of student recognition culminating in the identification and support of a Stockholm Junior Water Prize competitor and by once again hosting the FWQA Annual Awards luncheon at the

National Press Club. Our participatory support of the Intel International Science and Engineering Fair 2008 was again recognized. FWQA supported WEF and the 2008 Future City National Finals as part of Engineers Week.

In March FWQA took a big step by accepting the Washington, D. C. chapter of Water for People under its wing combining their 200 plus membership with ours for the promotion and support of clean drinking water internationally.

WEF has provided leadership in the advancement of the Water is Life education program focused at sharing our technical understanding with our fellow citizens of America. Membership support of this program and the development of a 90 minute educational piece call Liquid Assets which is in the final stages of preparation of it release this fall for international release throughout the public television broadcasting network.

Our membership and its leaders are proactive contributors to our profession and residential communities and I am proud to be associated with them, their efforts and accomplishments. Thank you all, keep collectively and individually you are making a magnificent impact!

See you at the next gathering. ♣

Calendar of Events

General

May 4 – 7, 2008:
NACWA Clean Water Policy Forum

May 7 or 8
(to be determined):
FWQA Board Meeting

May 15
FWQA Annual Awards Ceremony and Luncheon

Webcasts 2008

June 11:
Sustainability Utility Management

June 20:
"Water is Life and Infrastructure Makes it Happen™"

WEF Specialty Conferences 2008

May 18-21:
Collections Systems 2008
Pittsburgh, PA

May 18-22:
National Monitoring Conference
Atlantic City, NJ

June 1-3:
First IWA/WEF Wastewater Treatment Modeling Seminar
Mont-Sainte-Anne, Quebec

June 22-28:
Sustainability 2008
National Harbor, MD

WEF Seminars

June 10-11:
NPDES Permits Program Overview for Permittees
Milwaukee, WI

June 18-19:
Asset Management for Water and Wastewater Utilities
New Orleans, LA

June 24-25:
Fats, Oils, and Grease Management Training Course

August 19:
Managing Peak Wet Weather Flows in Municipal wastewater Systems

September 11:
TMDL Development and Implementation
Baltimore, MD



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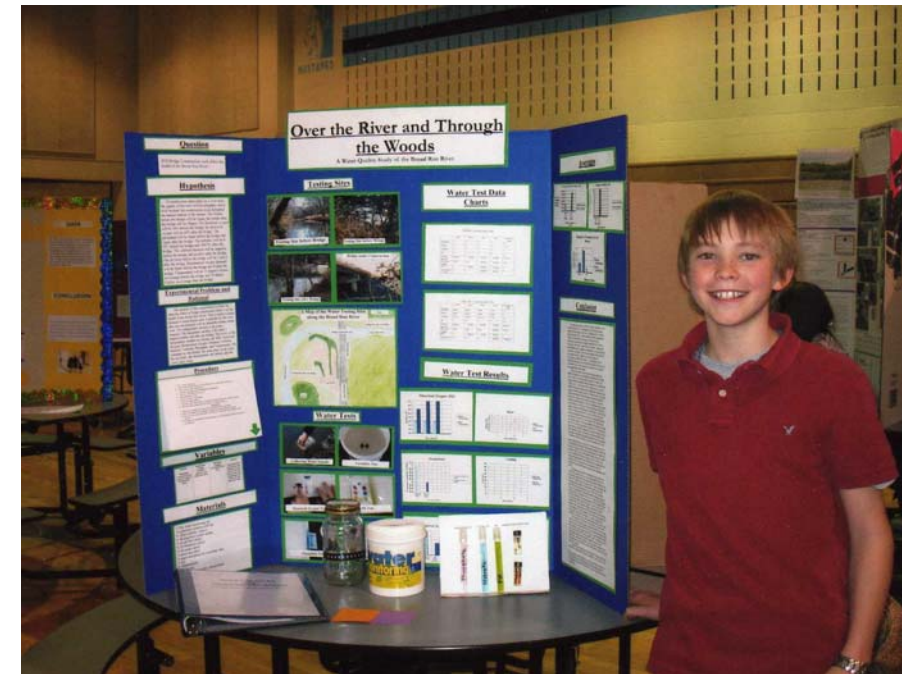
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FWQA Science Fairs

By Janet Goodwin, Science Fair Coordinator



Chandler King - middle school FWQA science winner, Prince William County

FWQA members judged at area science fairs once again this year. We participated in six science fairs around the region:

- Jack Kooyoomjian and Sharon Nye judged at the Prince William, Virginia fair
- Sharon Nye and Susan Helling judged at the Loudoun County fair
- I judged at the Northern Virginia fair
- Joe Ford and I judged at the Fairfax County, Virginia fair
- Jeff Burkhart judged at the Ann Arundel County, Maryland fair
- Brian Busiek and Volker Janssen judged at the District of Columbia fair

We will be honoring our first place winners at our annual awards luncheon in May. Please come and meet the scientists of our future. ♣



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Future City, Ohio, National Winners 2008



Tracy Mehan, center, guest speaker at the February 14 FWQA luncheon



Uwe Brandes, Urban Land Institute, guest speaker at the March FWQA luncheon



Paul Kibel, UC Berkeley, guest speaker at the March FWQA luncheon.



Suzanne Adams, Weston Solutions, guest speaker for the April FWQA luncheon



From the April FWQA luncheon

Pictures from the Future City Competition and three FWQA luncheons.

FWQA Partners with Water for People

by Mary Belefski and Rosemary Hall

This year, FWQA President Jeff Burkhardt and Colleen Stiles, the Chief Executive Officer of Water for People (WFP) signed a Memorandum of Understanding to partner in philanthropic efforts to support WFP activities. WFP is based in Denver, CO and is partnering nation-wide with Water Environment Federation member associations. FWQA has started sub-committee that will work with Cynthia Hartley who chairs the local DC WFP committee. Contact Mary Belefski if you are interested in joining this sub-committee.

The Water for People organization helps people in developing countries improve their quality of life by supporting the development of locally sustainable drinking water resources, sanitation

facilities and health and hygiene education programs. Their vision is a world where all people have access to safe drinking water and sanitation; a world where no one suffers or dies from a water- or sanitation- related disease. To accomplish this, WFP conducts fundraising in developed countries in order to support fellowships and education internationally. WFP recently held a successful fundraising event in March on World Water Day at Lounge 201 in Washington, DC. Presenters were Monica Brown, WFP Director for Philanthropy and Fellowship Programs, and Amy Hart, a film-maker who screened "Water First" at the DC Environmental Film Festival. The presentations were followed by a raffle for many exciting items

including tickets to sports events. Many of our FWQA members attended this event.

The 2nd annual WFP Golf Tournament will be held May 15 at the Golden Horseshoe Golf Club in Colonial Williamsburg (see www.waterforpeople.org for details). We are looking forward to additional events this year, and possibly a joint event at an embassy in the Fall. ♣



D.C. WASA's Chief Provides Insightful Presentation at FWQA Luncheon

by Adam Krantz

Jerry Johnson's January 17, 2008 FWQA Luncheon presentation exemplified the Association's theme of With "Building Sustainable Communities." Jerry Johnson is General Manager of the District of Columbia Water and Sewer Authority, which provides retail and wholesale water and wastewater treatment services to the District of Columbia and parts of Virginia and Maryland with a customer base of approximately 2 million people. The Water and Sewer Authority operates Blue Plains Wastewater Treatment Plant, which is the largest advanced



Jerry Johnson, DC WASA Chief

Wastewater Treatment Plant in the world. Mr. Johnson provided an exceptional address on the District of Columbia Water & Sewer Authority's comprehensive wet weather management initiatives as a key component of D.C.'s sustainable development. Mr. Johnson focused on how multiple goals can be achieved with innovative planning on a watershed basis. For example, Mr. Johnson focused on how Washington D.C.'s expansive combined sewer overflow (CSO) control efforts can also help reduce nutrient loads to the Chesapeake Bay Watershed. ♣

Two New 5-S Awardees Honored Within the FWQA's 5-S Society Chapter

by K. Jack Kooyoomjian, Ph.D., and pH 7 Influent Integrator

The **Select Society of Sanitary Sludge Shovelers** (5-S), at the April 17, 2008 FWQA professional luncheon meeting at the Channel Inn/Pier 7 Restaurant, and before their FWQA colleagues were inducted into the FWQA's 5-S Society Chapter. These two recipients were honored with a solemn induction ceremony and with much pomp and celebration into the revered 5-S Society. The two recipients so honored were **Ms. Janet K. Goodwin, and Mr. Christian Davies-Venn.**

The current pH 7 Influent Integrator for the FWQA's 5-S Society Chapter is Dr. K. Jack Kooyoomjian, who holds the coveted position as pH 7 Influent Integrator and is the only officer of the FWQA's 5-S Society Chapter. He was accompanied by the honored and revered Charter pH 7 Influent Integrator Emeritus, Dr. Edward H. Bryan, who provided the inductees with background articles and the original authenticated Biobricks.

Jan and **Christian** were heaped with honors and praise by their fellow FWQA 5-S Society colleagues for their long-standing service to the FWQA. They were provided the coveted "**Golden Shovel**," which they must wear for the rest of their lives at every FWQA and WEF official function, or otherwise treat fellow 5-S Society members to a free beverage of their choosing. They were also provided with the official 5-S Society Certificates, which

they must have signed by fellow 5-S Society members from pH 1 to pH 13. They also received the official "**Biobrick**" which represents a useful and safe product made from sludge. The Biobrick meets ASTM standards and was used in construction of a local facility. They were also provided samples of safe, inert burnt biosolids from a local facility. The complete history of the 5-S Society, the local history of the

FWQA's 5-S Society Chapter, and other treasures, along with the rules, secret greetings, handshakes, distress signals, and a multitude of other treasures were provided to the distinguished and honored recipients. All current 5-S Society members in attendance heaped praise on **Jan** and **Christian**, welcoming them with open arms into the hallowed and revered membership of the 5-S Society's FWQA Chapter. ♣



Tracy Mehan Provides His Perspective on Climate Change at the FWQA Valentine's Day Luncheon

by Jim Wheeler

On February 14, 2008 the FWQA membership got a chance to share in an insightful presentation by G. Tracy Mehan, III. Tracy is a former EPA Assistant Administrator for Water and is currently a principal with the Cadmus Consulting Group. Tracy's presentation on "**Energy, Climate Change, and Sustainable Water Management**" fit in especially well with this year's FWQA theme of focusing on "Building Sustainable Communities." Tracy pointed out that the prevailing analysis of a truly sustainable water system or utility has both expanded and deepened within the industry and at EPA. He cites water resources as one of many areas that already manifest profound effects from climate change and says it is time to start planning and building for a very different future if we are to avoid disruption to our economy and society. He says this will require a proactive and aggressive response from America's water sector. He suggested that prudence dictates that utility managers follow precautionary, adaptive strategies to foster utility systems and operations that are robust, resilient, and flexible in anticipating alternative climate scenarios.

Tracy cited a recent report from the American Water Works Association research Foundation and the University Corporation for Atmospheric Research, which points out that climate change and variability portend significant consequences for water utilities, especially in the western states.

While scientists generally agree on broad features of likely hydrological changes, such as increase in global average precipitation and evaporation due to warmer temperatures, significant uncertainty remains about the amount of precipitation and the runoff at the regional or watershed levels. That said, Tracy indicated that science suggests that the global climate cycle will become more intense, resulting in heavier but less frequent periods of precipitations. In other words, science points to the possibility of longer periods of drought alternating with spells of heavy rainfall and runoff, and potential flooding. Tracy mentioned that there were many consequences including:


- Greater variability in runoff would make maintaining optimal reservoir levels more difficult and would reduce the reliability of water storage.
- Increased reliance on groundwater during extended dry spells would reduce aquifer levels and discharges to surface water bodies, with unintended consequences for the aquatic ecosystems.
- Shorter periods of snow accumulation in the mountainous regions, especially at the lower elevations would result in reduced snow pack, which, along with earlier melting in the spring, would lead to

reduced flows in late summer when water is scarce and demand is greatest.

- Treatment costs would increase due to heavier infiltration and inflow to collection systems, and leading to more overflows.
- Floods, droughts, hurricanes, and wildfires, as well as the soil erosion they cause would increase, threatening water quality, quantity, and the utilities infrastructure.

In concluding, Tracy suggested that "Implementing the vision of sustainable water infrastructure in this country will require imagination, creativity, and resilience. America will need a diverse portfolio of technologies, management systems, economic instruments, and sustainable land use practices to adapt to the reality of uncertain climate patterns and their impacts on the water cycle. It will necessitate managing resources and people in collective partnerships to accomplish difficult ends in the face of changing energy markets, variable climate, and water shortages." ♣





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Questions: Dianne Crilley 703.684.2445 | Dcrilley@wef.org

Join WEF and your Member Association colleagues in Alexandria, VA for an exciting program focused on our public mission and the WEF programs and services available to achieve that mission.

The Hilton Alexandria is located in the Old Town Alexandria area, just a few blocks from the Metro, and convenient to Reagan National airport (DCA). It offers a unique setting and easy access to Washington's many attractions and historical sites. The Summit program is provided below.

"Our Public Mission"

WEF Executive Director, Bill Bertera, is passionate about our public mission and has shared his passion in forums around the world. Bill will energize each of us toward fulfilling the responsibilities to our public. This session will give you an opportunity to let Bill know how the WEF public mission message resonates with you and your Member Association.

"Educating and Influencing Those Who Decide"

Join in a discussion on "why" we need to educate, "who" are the right groups to educate, and "how" to effectively deliver our messages. Participants will leave with an inventory of tools focus on the right reasons and the right targets to maximize success.

"What DOES WEF Do for Your MA?"

WEF has many programs and services available to your MA to use and participate in. Learn how to access these programs and use them to benefit your MA.

"WEF Programs and Services"

Roundtable Discussions Evaluations from Leadership events and WEFMAX meetings tell us that MA Leaders would like to have more discussions of specific WEF programs. We have scheduled three Roundtable Discussions on Public Education, Advocacy, and Partnering on Specialty Conferences. Meet the WEF Staff managing these program areas and learn how the programs can benefit your MA.

Meet WEF Staff who are leading the wefeco Green Program for the WEF headquarters building. Learn what we are doing to minimize WEF's impact on the environment and how you use some of these tools as you do business for your MA.

"Legal Responsibilities of 501(c)(3) Boards"

Learn the basic responsibilities of a 501(c)(3) organization, including responsibilities of Boards, responsibility to the Internal Revenue Service, and protections provided by the U. S. Volunteer Protection Act.

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