



GARDEN CLUB  
OF VIRGINIA

*53rd Garden Club of Virginia  
Conservation Public Education Forum*

**URANIUM**

*What Should Virginia Do?*

**Thursday, November 3, 2011**

THE JEPSON ALUMNI CENTER  
The University of Richmond  
*9:00 a.m.-4:00 p.m.*

## REGISTRATION AND PROGRAM INFORMATION

- 9:00 to 10:00 a.m. Check in/Registration  
*The Gallery of The Jepson Alumni Center*
- 10:00 to 10:10 a.m. Opening Statements and Presentation of Dugdale Award  
by Garden Club of Virginia Officials — *The Robins Pavilion*  
*Peyton Wells, Chairman of Conservation Forum*  
*Kim Nash, President of Garden Club of Virginia*  
*Karen Jones, Chairman of Conservation and Beautification Committee*
- Introduction of Paul A. Locke: Bloomberg School of Public  
Health, Johns Hopkins University  
*Peyton Wells*
- 10:10 to 10:25 a.m. Introductory Speaker—Paul A. Locke  
[Overview of Uranium: technical terms]
- 10:30 to 10:35 a.m. Introduction of Bob Gibson: Sorenson Institute  
for Political Leadership, University of Virginia  
*Peyton Wells*
- 10:35 to 11:00 a.m. Moderator—Bob Gibson
- Panel Presentations *6 minutes each*  
*Panelists: Robert J. Bodnar, Christopher Miller,*  
*Paul Robinson, Patrick Wales*
- 11:00 to 12:10 p.m. Predetermined Panel Questions and Written Questions  
for Morning Panelists
- 12:15 to 1:00 p.m. Bag Lunch—*The Gallery*
- 1:00 to 4:00 p.m. Moderator—Paul A. Locke
- Discussion Panels *55 minutes each, with 5 minutes in between*
- Economic Impacts  
*5 minutes each, followed by written questions*  
*Panelists: Joe Bouchard, Ellen D. Harpel,*  
*Olga Kolotushkina, Michael D. Lawless*
- Virginia's Water Supply: Quality and Quantity  
*5 minutes each, followed by written questions*  
*Panelists: Robert G. Burnley, Cale Jaffe,*  
*Patrick Wales, Richard F. Weeks*
- Public Health and Safety  
*5 minutes each, followed by written questions*  
*Panelists: Robert J. Bodnar, Geoffrey H. Fettus,*  
*Paul Robinson, Conrad T. Spangler*
- 4:00 to 4:15 p.m. Closing Remarks

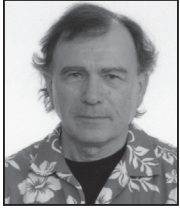
## EXHIBITOR LIST

# 2011 CONSERVATION FORUM *Panelists*



GARDEN CLUB  
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**Robert J. Bodnar** earned a Bachelor of Science degree in Chemistry from the University of Pittsburgh, a Master of Science degree in Geology from the University of Arizona, and a PhD in Geochemistry from Penn State University. Bodnar previously held positions at the U.S. Geological Survey in Reston, Virginia, and in the Mineral Deposits Research Group at Chevron Oil Field



Research Company in La Habra, California. He joined the faculty at Virginia Tech in 1985 and is currently the C. C. Garvin Professor of Geochemistry and University Distinguished Professor in the Department

of Geosciences at Virginia Tech. One of Bodnar's main research areas is related to the study of mineral deposits. He has worked extensively on deposits of copper, lead, zinc, silver, gold and uranium in the United States, Mexico, Central America, South America, Asia, Australia and Africa. He was elected a Fellow of the American Geophysical Union, the American Association for the Advancement of Science, the Society of Economic Geologists, the Mineralogical Society of America, and the Geological Society of America.

**Joseph F. Bouchard**, graduated from the US Naval Academy and earned a Ph.D. from Stanford University. He commanded a destroyer and Naval Station Norfolk, and served in high level planning positions in the Pentagon and on the National Security Council at the White House. During the three years he served as Commanding Officer of

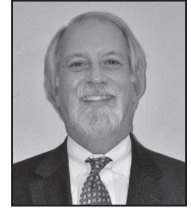


Naval Station Norfolk, the base won multiple awards for environmental protection and restoration. He was a nuclear weapons officer whose training included radiological safeguards and emergency response.

Bouchard represented the 83rd District in Virginia Beach in the Virginia House of Delegates in 2008-2009, serving on the Agriculture, Finance, Science and technology, Chesapeake and Natural Resources Committee. In 2008, he served on the

Governor's Commission on Climate Change and chaired its Adaptation Working Group. In 2009-2010, he served on the Virginia Beach Alternative Energy Task Force. Bouchard serves on the Commonwealth Security Panel and the Boards of Directors of the Hampton Roads Military and Federal Facilities Alliance, Virginia Maritime Association and the Green Job Alliance.

**Robert G. Burnley** is President of Robert G. Burnley, LLC, a firm that advises industries, businesses, governments and nongovernmental organizations on environmental issues of all types. Prior to his current position, he served in Virginia state government for 32 years at the Department of Environmental Quality where he was Director from 2002 to 2006, he headed the Virginia State Water Control Board, and was the Technical Services Director of the Virginia Economic Development Partnership. Burnley is the recipient of the Garden Club of Virginia's Elizabeth Cabell Dugdale Award presented at the 50th GCV Conservation Forum, due to his service as Director of DEQ and his efforts to ensure the important permitting functions of Virginia's Citizen environmental boards, producing clearer regulatory processes and ensuring citizen involvement to safeguard healthy water and air.



**Geoffrey H. Fettus**, Senior Project Attorney, National Resource Defense Council, joined NRDC in the Fall of 2001 and as a senior project attorney manages all aspects of NRDC's nuclear litigation in administrative, trial, appellate courts. Fettus has litigated several nuclear waste and cleanup matters of national importance, including the successful challenge to EPA's radiation protection standards at the proposed Yucca Mountain nuclear waste repository in Nevada. That case was argued in the U.S. Court of Appeals for the D.C. Circuit in 2004. Fettus is also a lead attorney for the national



environmental community on nuclear waste, toxic cleanup, uranium mining and other energy issues. Along with an extensive litigation docket, Mr. Fettus has testified before Congress, served as lead negotiator on specific pieces of legislation before both the House and Senate, and has also been lead attorney for NRDC and other environmental groups on several matters before the Nuclear Regulatory Commission and the Department of Energy. Before joining NRDC, Fettus worked for a New Mexico public interest law firm and was an Assistant Attorney General in New Mexico under Attorney General Tom Udall (now the junior Senator from New Mexico) where he represented the State in litigation on a range of environmental enforcement matters, including water, mining and cleanup issues. Fettus is a 1989 graduate of Haverford College and 1994 graduate of the University of Wisconsin Law School.

**Bob Gibson** is the Executive Director of the Sorensen Institute for Political Leadership at the University of Virginia. Prior to coming to the Institute in March of 2008, Gibson was a political writer, columnist and editor at the Charlottesville Daily Progress for 30 years, where he specialized in covering local, state, and national politics. He is the winner of several Virginia Press Association awards, the 1993 Virginia Bar Association Award in the Field of Law and Justice and the 1993 Southern Journalism Award for investigative reporting about racial disparities in sentencing. Gibson is also familiar to many Virginians as a guest on public radio WAMU's Kojo Nnamdi Show in Washington and as a host of Evening Edition on public radio WVTF and Radio IQ. He grew up in Arlington, VA, and has a long personal interest in Virginia's politics and government. He is a 1972 graduate of the University of Virginia with a major in government and foreign affairs.

**Ellen D. Harpel** is the founder and president of Business Development Advisors LLC (BDA), an economic development and market intelligence consulting firm. Previously Harpel was a manager of Deloitte & Touche, where she advised economic development organizations on business attraction, growth and retention strategies through the Fantus Consulting division. She also served as an Associate

with Charles Percy & Associates, an international business advisory firm in Washington, DC, where she worked with US companies to expand their markets overseas. She has worked with the U.S. Chamber of Commerce and the National Association of Home Builders. Harpel is a member of the Urban Land Institute, the Council for Community and Economic Research, the International Economic Development Council, and the European Network for Research on Services (RESER) and is an affiliate with the Center for Regional Analysis at George Mason University. She earned a Bachelor of Science in Foreign Service from Georgetown University, a Master of Business Administration from the University of North Carolina, and a doctoral degree in Public Policy from George Mason University



**Cale A. Jaffe** is a senior attorney with the Southern Environmental Law Center. He is also a Lecturer at the University of Virginia School of Law, where he teaches a seminar on Environmental Law and Federalism. Jaffe is on the Board of Directors of the Virginia Conservation Network and Appalachian Voices. He is a past chair of the Board of Governors for the Environmental Law Section of the Virginia State Bar. In 2007, he was part of the legal team that won a unanimous victory before the Supreme Court of the United States in *Environmental Defense v. Duke Energy*. In 2008, Jaffe was a co-recipient of the Virginia Conservation Network's Blue Ridge Award, given "to individuals who help focus public attention on environmental issues and who exemplify the cooperative spirit of the Virginia Conservation Network." Jaffe is a graduate of Yale University and earned his law degree and a Masters in Legal History from the University of Virginia. While a student at Virginia, he served as Editor-in-Chief of the Virginia Environmental Law Journal, and was a member of the Order of the Coif and the Raven Society.



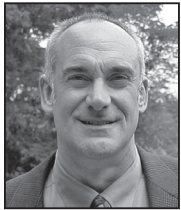
**Olga Kolotushkina** volunteers for the Roanoke River Basin Association as the organization's legislative and regulatory advisor and also serves as a

spokesperson for the Dan River Basin Association's Uranium Mining Task Force. Kolotuskina holds a position of attorney-advisor with the Federal Energy Regulatory Commission in Washington, DC. Her primary expertise is in energy markets and energy policy. Kolotuskina received her B.A. in



Liberal Arts from the Eastern Mennonite University, Harrisonburg, VA and J.D. from the University of Cincinnati College of Law. Kolotuskina's second home is in the Roanoke River Basin.

**Michael D. Lawless**, CPG, PG, is a Principal and Vice President with Draper Aden Associates as well as the Environmental Division Manager. He has 25 years of experience conducting geologic and hydrogeologic investigations, environmental assessment and remediation projects, groundwater and surface water supply evaluations, and regional water supply planning projects. Projects have involved assessment and remediation investigations at industrial facilities, hazardous and solid waste landfills, storage tank facilities, and brownfields sites. His experience includes remediation technology evaluation, geologic mapping, fracture



trace analysis, well siting, and aquifer performance testing. He has conducted investigations in a variety of geologic environments including fractured bedrock, karst terranes, and unconsolidated sediments.

Lawless received a BS degree in Geology from Bates College and an MS degree from Old Dominion University. He is a Certified Professional Geologist with the American Institute of Professional Geologists (AIPG), a National Past President of AIPG, and current President of the Virginias Section of AIPG. Lawless is a registered professional geologist in Virginia, North Carolina and South Carolina. Lawless currently serves on the Virginia State Water Supply Plan Advisory Committee to the Department of Environmental Quality. He also served on the Groundwater Subcommittee of the Regulatory Advisory Panel for Amendment 7 to the Virginia Solid Waste Management Regulations.

**Paul. A. Locke**, an environmental health scientist and attorney, is an Associate Professor at the Johns Hopkins University Bloomberg School of

Public Health in the Department of Environmental Health Sciences, Division of Toxicology. He holds an MPH from Yale University School of Medicine, a DrPH from the Johns Hopkins University Bloomberg School of Public Health and a JD degree from Vanderbilt University School of Law. Locke's research and practice focus on how decision makers use environmental health science and toxicology in regulation and policymaking and how environmental health sciences influence the policy-making process. His areas of study include evaluating radiation protection initiatives and radiation policies, especially in low dose radiation science, radon risk reduction, safe disposal of high level radioactive waste, and use of CT as a diagnostic screening tool. He directs the School's Doctor of Public Health



program in Environmental Health Sciences. Locke was a member of the National Academy of Sciences Nuclear and Radiation Studies Board from 2003 to 2009, and has served on five National Research Council committees. Locke is currently chair of the National Academy of Sciences' Uranium Mining in Virginia committee.

**Christopher G. Miller** has served as Piedmont Environmental Council (PEC) President since January 1, 1996. He is an attorney with expertise in environmental and transportation policy. Miller is responsible for overall management and strategic planning for PEC, including the land conservation program, energy policy, land use policy, smart growth and transportation policies. He is a member of the Steering Committee of the Coalition for Smarter Growth and the Choose Clean Water campaign and serves on the boards of the Virginia League of Conservation Voters, the Virginia Conservation Network, the Chesapeake Crescent initiative, the Journey Through Hallowed Ground Partnership, and the Nonprofit Roundtable of Washington, D.C.



Miller initially worked for PEC as coordinator of the successful campaign that challenged Disney's America development proposal. In recent years, he has also become a leading advocate for a less transmission-dominated approach to energy planning. Prior to joining PEC,

he was Assistant Director for Federal Affairs at the Surface Transportation Policy Project, a national non-profit transportation organization based in Washington, D.C. He earned his J.D. from the University of Michigan Law School and B.A. with honors in Environmental Studies from Williams College.

**William “Paul” Robinson**, a native of Harrisonburg, VA, is employed as Research Director at Southwest Research and Information Center in Albuquerque, New Mexico, an organization working to promote the health of people and communities, protect natural resources, ensure citizen participation, and secure environmental and social justice now and for future generations. Robinson has prepared peer reviewed technical papers, contract publications, and educational materials and provided expert technical testimony related to uranium mines, mills and uranium policy throughout his 35- year career. He has a Masters in Community and Regional Planning



with an emphasis on Natural Resource Management from University of New Mexico and a BA from the Technology Assessment Program at Washington University. He has served as a technical expert in

regulatory proceedings periodically since 1979 including proceedings for uranium facilities such as” White Mesa uranium mill in UT; Crow Butte in situ uranium mine in NE; Pitch Project in CO; Gulf-Mt. Taylor uranium mills in NM, and Vane Minerals Exploration Plan in Arizona in the US, the Elliot Lake uranium mill tailings and mine waste decommissioning in Canada. His expertise also includes the adoption of regulations concerning mine operations and mine reclamation.

**Conrad T. Spangler** is Director of the Virginia Department of Mines, Minerals and Energy. He previously served as Director of the DMME’s Division of Mineral Mining and its



Division of Geology of Mineral Resources. In this capacity, he directed the environmental protection and worker health, safety and training services for the minerals industry, as well as led energy and mineral

resources conservation and development efforts. A professional engineer, he began his service as Chief Engineer with DMME’s Division of Mined Land Reclamation in 1981. His experience includes positions in the mining industry, in private consulting, and with the federal government. He graduated from Bluefield State College and earned a Master’s Degree from Virginia Tech.

**Patrick M. Wales** has approximately five years of experience in the field of environmental and exploration geology. He is a geologist and the project manager for Virginia Uranium, Inc. Prior to his work at Virginia Uranium, Wales served as Manager of Environmental Services for an engineering firm in Danville, Virginia. A native of Danville, Virginia, Wales holds a Bachelor of Science Degree in Geology from Radford University (cum laude) and a Master of Science Degree in Geology from the University of Mississippi. He is an Executive Committee member of the Virginia Section of the American Nuclear Society, is active in the Health Physics Society, the North American Young Generation in Nuclear, and represents the Nuclear Energy Institute as a speaker for the Clean Energy America speaker bureau.



## 53<sup>rd</sup> GCV Conservation Forum Draws Crowds, Praise and Generous Support

*By Jeanette McKittrick  
Editor, GCV Journal  
Three Chopt Garden Club*

An Associated Press reporter sent this tweet from the GCV Conservation Forum in November: “big crowd for Garden Club of Virginia forum on uranium mining at U of Richmond. Impressive program, too.” Nearly 250 people, including a considerable turn-out by the press, came to hear a remarkable range of speakers debate the pros and cons of uranium mining in Virginia. The event was organized by the GCV Conservation Committee and chaired by Peyton Wells of The Tuckahoe Garden Club.

In January, the General Assembly is expected to consider lifting a 30-year moratorium on mining uranium, a radioactive metal which is used to fuel nuclear power plants. The GCV was praised by one speaker as an organization that could lend “civil discourse” to a potentially rancorous subject.

Kim Nash, GCV president, expressed her delight and gratitude to The Robert and Bessie Carter Foundation for its generous grant, underwriting the forum. The quality of public discourse and exchange of information that characterized the day seemed befitting the gift that helped make such a thing possible. Since 2008, the family of Bessie Bocock Carter carries on her deep commitment to conservation in Virginia. ❁



*Hollis Stauber, Peyton Wells, Karen Jones and Kim Nash  
at 53<sup>rd</sup> GCV Conservation Forum in Richmond.*

### **Want to know more about what's afoot in the General Assembly? Join us for Garden Club of Virginia Legislative Day 2012**

- DATE:** Monday, January 23, 2012  
**TIME:** Registration 8:30 AM, Program 9:00 AM  
**WHERE:** Richmond Center Stage, 600 East Grace Street,  
Richmond, VA 23219  
**WHAT:** Learn about the issues coming before the 2012  
General Assembly.

Visit your legislators. Become an informed citizen.  
Check [www.gcvirginia.org](http://www.gcvirginia.org) for more information

# The Mattaponi River Runs Free

By Marilyn South

*The Garden Club of the Middle Peninsula*

A highlight of the 2011 Conservation Forum was the announcement of the recipient of the Elizabeth Cabell Dugdale Award, the Alliance to Save the Mattaponi. Delegate Albert C. Pollard, one of the founding members of this grassroots group of citizens, political representatives and non-profit organizations, accepted the award on behalf of the group, which also included such noteworthy organizations as the Chesapeake Bay Foundation and the Southern Environmental Center. Thirteen years after its inception, the alliance was successful, and the building of the reservoir was stopped. More than 1,500 acres of a diverse upland/wetland ecosystem, a great blue heron rookery, two federally listed endangered plant species (the sensitive joint vetch and the small whorled pogonia), and a fledgling shad fishery were saved. In addition, Native Americans in the region were saved from the loss of numerous archeological sites, and the river's basic ecology, such as the water's salinity, was protected. The Garden Club of the Middle Peninsula recognized the alliance's invaluable contribution to preserving the river and its environs, and nominated it for this important award.

Alliance members proved that hard work and grassroots support do make a difference. People signed petitions, wrote letters to officials, attended hearings, marched in parades, bought T-shirts, and displayed bumper stickers and yard signs. The alliance members learned to get the facts straight, tap knowledgeable resources and speak up. The Mattaponi River runs free today because of the many hundreds of involved alliance members, Delegate Pollard, and concerned citizens who chose to make a difference. 🌸



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