

Berkeley Rotary Club

Climate Speaker Series

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***Perfect Storm in the Arctic: Climate Change, Resource Depletion, Politics, and Intl. Relations* ([video](#)) — December 9th, 2020**



**Dr. Beverly Crawford — UC Berkeley Professor Emerita**

Dr. Beverly Crawford is emeritus professor of political science and International and Area Studies. She has written numerous policy papers and articles on the causes of cultural conflict in Europe, Greece, Bulgaria, and the former Yugoslavia, spoken at the World Cultural Forum in Rio de Janeiro, and regularly consults with the US government on the various topics including economic roots of international conflicts. Dr. Crawford will speak to the Berkeley Rotary Club regarding climate change, resource depletion, and how such issues play into politics and international relations.

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***Adapting to Rising Tides* ([video](#)) — November 11, 2020**



**Lindy Lowe — Resilience Program Director, Port of San Francisco**

Lindy Lowe recently developed and ran the Adapting to Rising Tides (ART) Program, a nationally recognized climate adaptation planning program. Previously she worked for the Bay Conservation and Development Commission (BCDC) locally, and earlier for the City of San Diego as a planner focusing on the urban-wildlands interface, wildfire reduction, habitat conservation planning, community engagement and affordable housing. Lindy received her Bachelors, Masters, and JD from the University of California, Los Angeles.

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***Project Drawdown: Teaching Children About Climate Change* ([video](#)) — November 4th, 2020**



**Dr. Elizabeth Bagley — Director of Drawdown Learn at Project Drawdown**

Before joining Project Drawdown, Bagley directed sustainability efforts at the California Academy of Sciences and designed the science content for video games at LeapFrog. She has also taught middle and high school science, K-12 pedagogy to teachers, and communication to graduate students at UIUC. Dr. Bagley holds joint PhDs in Environment & Resources and Educational Psychology from the University of Wisconsin at Madison. Project Drawdown is a nonprofit organization that seeks to help the world reach the future point in time when levels of greenhouse gases in the atmosphere begin to steadily decline.

**The EN-ROADS Model - An online system for evaluating the effectiveness of various strategies to reduce human contributions to climate change. (<https://vimeo.com/500748157>)**

**Heath Massey and Barbara Moulton – Citizens Climate Lobby = September 16, 2020**

Heath Massey and Barbara Moulton came to us from Citizens' Climate Lobby with a discussion of the En-ROADS Model, which offers simulations of different solutions to the climate crisis. This user-friendly climate model is freely available to anyone (see link below) and gives policymakers or the public the ability to explore the likely consequences of energy, economic growth, land use, and other policies and uncertainties, with the goal of improving their understanding. The simulation was developed by Climate Interactive and MIT Sloan, runs on an ordinary laptop, and is easy to figure out and run. It's a game really—with the goal of lowering the temperature increase by 2100. The user is able to see on moving graphs what will happen to greenhouse gas emissions when—for instance—less coal or more nuclear energy is used.

En-ROADS is best used as part of one of the Citizens' Climate Lobby workshops, but Heath and Barbara demonstrated how the model works by asking audience members to offer suggestions on which variables to slide up or down, as we watched the projected temperature rise and fall. It was a fascinating participatory exploration, leaving everyone wanting more. They offer free online trainings (<https://www.climateinteractive.org/get-involved/webinars/>) and there may be workshops available to Rotarians in the future.

***Green the Church Initiative* ([video](#)) — August 19, 2020**

**Reverend Earl W. Koteen**



Reverend Earl W. Koteen is an Ecological Justice Minister at the Green the Church and the Unitarian Universalist Ministry for Earth, a member of the CA Interfaith Power and Light Steering Committee, co founder of the Sunflower Alliance, and member of UUs for Just Economic Community, all of which he joined after a 30 year career in strategic planning, organization development, and human resources. Reverend Koteen has two adult daughters whose future first sparked his interest in climate change and environmental degradation. He holds a master of divinity from the Starr King School for the Ministry.



**Reverend Ambrose F. Carroll, Sr.**

Reverend Ambrose F. Carroll is a pastor of The Church by The Side of The Road in Berkeley, CA, the Moderator of the Home & Foreign Mission District Association, and Vice President at Large of the California State Baptist Convention. Dr. Ambrose is a past commissioned chaplain in the United States Navy Reserve. Dr. Ambrose holds a Doctor of Divinity, Master of Divinity, and Master of Business Administration. He is married to Katresa Williams-Carroll

and they have three children.

Mr. Koteen and Dr. Ambrose spoke to the Rotary Club regarding the Green the Church, a faith-based organization that stands at the intersection of the Black Church and the environmental movement. Green the Church seeks to amplify green theology, promoting sustainable practices, and building power for change. Both ministers serve as members of the Steering Committee of California Interfaith Power & Light, which promotes energy conversation, energy efficiency, and renewable energy.

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***People of Action: Acting on the Environment and Climate Change* ([info](#)) — August 5th, 2020**

**Yavuz Atila — Leader of the Western North America Regional Chapter of ESRAG**



Yavuz discussed Rotary International’s decision to make “supporting the environment” the 7th area of focus for Rotary service Projects. He began by describing his early life in Turkey and the changes in the environment he observed. These changes led him to act on the environment and make them important service areas for Rotary and Rotarians, as this is critical for the continuation of the other 6 Rotary areas of focus as well. Yavuz is the President & CEO of Monterey Bay Technologies, has served as the Rotary District 5320 Governor, and is a former Rotary club president.

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***Climate Change: Current Trends/Actions, Policy Recommendations* ([video](#)) — July 22nd, 2020**

**Dr. Daniel Kammen — University of California Berkeley Professor**



Dr. Dan Kammen is a distinguished professor of energy, with parallel appointments in the Energy and Resources Group (as Chair), the Goldman School of Public Policy, and the department of Nuclear Engineering. He also served for the United States government (including testifying more than 40 times to U.S. congressional briefings), helped found over 10 companies, authored or co-authored 12 books, written more than 300 peer-reviewed journal publications, and more. Dr. Kammen completed his undergraduate degree at Cornell and masters and PhD at Harvard.

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## **Adaptation to Sea Level Rise (video) — July 15th, 2020**

### **Rob Olshansky — University of Illinois at Urbana-Champaign Professor Emeritus**



Dr. Olshansky is professor emeritus of urban and regional planning, where he taught for 28 years. His teaching and research covered land use and environmental planning, with an emphasis on planning for natural hazards. He has published extensively on post-disaster recovery planning, environmental impact assessment, and more. Dr. Olshansky spoke to the Berkeley Rotary Club regarding impending rises in the world's sea levels. Over the past decade, Dr. Olshansky has given over 35 invitational and keynote lectures throughout the US, Canada, China, Japan, Taiwan, India, and Indonesia.

## **The problem with plastics and what we can do about it**

**By Leslie A. Levy**



At our September 11 Club meeting, our own Ed Church gave an illuminating and disturbing presentation on plastics in our environment. He used extensive slides to illustrate the findings from climate scientists on how plastic is made, spreads in the environment, and is disposed of -- but does not go away. Its "carbon footprint" is immense, contributing greatly to global warming.

Ed received his Ph.D. in Sociology at Cal, and offered how behavioral changes can positively affect the environment, especially related to the reduction of plastic pollution. One take-away from his presentation was the suggestion that we think of our lives on Earth as an extended camping trip: What do we need, what do we take, how do we carry it and how do we dispose of it when we are finished? (Hint: there is no Away, there is only Somewhere Else.)

He also raised the question of our ability as a Rotary Club to reduce the use of single-use plastics, particularly in our work staffing the booth at Golden Gate Fields Dollar Days. We give away plastic beer cups, mimosa flutes, and water bottles hundreds of times a day. How can we persuade Golden Gate Fields to limit the distribution of single-use plastics?

During a career spanning more than 35 years, Ed Church has consulted with NASA, the US State

Department, and Nike, has started successful nonprofit organizations, winning awards from the City of Oakland and the State of California. He has advised California cities as diverse as Dublin, Pleasanton, and Oakland on the implementation of sustainable land use policies and practices, and has served as Mentor and Judge for social venture business competitions at Stanford, UC Berkeley, and the University of Washington.

Ed Church is a popular speaker and writer on environmental sustainability and preparation for the post-carbon society. He directed the Institute for Environmental Entrepreneurship for 11 years, from 2007-2018, including work for the Green MBA program at Dominican University in San Rafael, global engineering and design firm Arup, and UC Berkeley as part of the team doing the infrastructure plan for the Global Campus at Richmond Bay.

While directing IEE, Ed wrote on practical efforts to transition to a society and economy that does not rely on the use of fossil fuels -- the "post-carbon society" -- for the San Francisco Chronicle, as well as online thought leaders GreenBiz and Meeting of the Minds.

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