

ENVIRONMENTAL JOURNALISM 2015



Society of Environmental Journalists
25TH ANNUAL CONFERENCE



Norman, Oklahoma

Oct. 7-11, 2015

WEATHER, WATER, ENERGY:

News in Every Neighborhood

Hosted by the **University of Oklahoma**



The Society of Environmental Journalists
celebrates 25 years
Uncovering and Covering
The Most Important Stories on the Planet

With Thanks to Media Sponsors for SEJ's 25th Anniversary Year



SEJ applauds your contributions and commitment to environmental journalism
Past, Present and Future

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CONTENTS

Welcome Letter	Page 3
Wednesday, Oct. 7	Page 4
Thursday, Oct. 8	Page 6
Friday, Oct. 9	Page 10
Saturday, Oct. 10	Page 25
Sunday, Oct. 11	Page 34





WELCOME TO OKLAHOMA



BE PREPARED TO BE SURPRISED!



The University of Oklahoma®

OFFICE OF THE PRESIDENT

Dear conference participant:

Welcome to The University of Oklahoma community, the city of Norman and the state of Oklahoma.

OU is pleased to serve as host for the 25th Society of Environmental Journalists annual conference in Norman. While you are here, we hope you will gain an appreciation of our efforts to make our university, city and state one of the best places in the nation to live and work.

On the OU Research Campus, you will meet some of the greatest minds in meteorology at work in the National Weather Center—home of scientists and researchers from the public and private sectors - all collaborating on the latest life-saving, weather-related technology. Just next door, you'll want to visit the Radar Innovations Laboratory—the only facility of its kind in the Nation - where meteorologists and engineers work side-by-side to build the most advanced radar in the world.

Gaylord's College of Journalism and Mass Communication has set the standard for educating the next-generation of journalists with the most advanced teaching tools for journalists anywhere in the country. Civil and environmental engineering researchers at the OU Water Center are developing clean water technologies for millions abroad and for people in Oklahoma.

Oklahoma's diverse landscape inspires us to keep this state environmentally friendly. In 2011, the Department of Interior selected OU to host the United States Geological Survey South Central Climate Science Center—one of eight centers in the country focused on climate science research - with colleagues from the Chickasaw Nation, the Choctaw Nation, Oklahoma State University, Texas Tech University, Louisiana State University and the National Oceanic and Atmospheric Administration's Geophysical Fluid Dynamics Laboratory.

Oklahoma is unique with its 38 federally-recognized tribes which are contributing in many ways to the success of the state's environmental progress. The Native American Journalists Association located on the OU campus captures the essence of these efforts through the stories they tell.

I am pleased that you chose to visit our state. I hope you enjoy your stay here as you explore Oklahoma!

Sincerely,

David L. Boren
President

660 Parrington Oval, Suite 110, Norman, Oklahoma 73019 PHONE: 405.325.3916 FAX: 405.325.7605
www.ou.edu



Wednesday, October 7, 2015

Environmental Journalism 2015: The 25th Annual Conference of the Society of Environmental Journalists officially begins Wednesday afternoon, October 7, at 5:00 p.m., with our opening reception, followed by dinner, special welcomes and SEJ's awards presentation program.

Before the official beginning, we offer these two all-day workshops below, and an afternoon meet-and-greet gathering.

All sessions, as well as registration, exhibits and breaks, will be at the Embassy Suites & Conference Center, 2501 Conference Drive, Norman, OK 73069, (405) 364-8040, unless otherwise indicated.

Note: All information is subject to change. Please check the addendum at registration for updates.

ALL-DAY WORKSHOPS

Grab your breakfast anytime after 6:00 a.m., but be sure to eat in time to board the shuttle bus no later than 7:30 a.m. for the ride to the Gaylord College of Journalism and Mass Communication, 395 W. Lindsey, Norman, OK. Buses will stage outside the doors by the registration desk and will return you to the Embassy Suites by 4:00 p.m.

1. Telling the Big Story Through Graphics

Time: 8:00 a.m. - 3:30 p.m.

Location: Gaylord College of Journalism and Mass Communication, University of Oklahoma

Room: 1120

The ability to tell stories through graphics has become crucial to standout storytelling. With severe weather dominating headlines, authoritative reporting requires an understanding of the data kept by the National Centers for Environmental Information (the nation's weather library, formerly known as the National Climatic Data Center). Develop skills in visual storytelling while using weather data. The mapping skills you develop will be transferable to other subjects, and your skill with NOAA's data will provide context beyond graphics — to printed and spoken storytelling too. NOAA's National Centers for Environmental Information and Google's Geo Media Lab will lead this class. Google Program Manager **Vanessa Schneider** will demonstrate My Maps and Fusion Tables. **Deke Arndt**, chief of the Climate Monitoring Branch for NOAA's National Centers for Environmental Information, will demystify its data. You'll leave class able to host, visualize and publish data. **Open to all journalists, journalism students and SEJ members. You'll need a Google account and understanding of Google Drive. Pre-registration and \$45 fee required. Lunch included.**

Moderator: Andrew Freedman, Science Editor, Mashable

2. Beginning and Advanced Video Training

Time: 8:00 a.m. - 3:30 p.m.

Location: Gaylord College of Journalism and Mass Communication, University of Oklahoma

Advanced Room: 1130

Beginning Rooms: 1030, 1040 (to be assigned)

Join us for hands-on video workshops and learn how to shoot, edit and produce your own one-to-two-minute video, then get a professional critique. We're minimizing the gear talk and maximizing hands-on experience, so that when you're done you'll be able to shoot and edit with confidence. Bring any camera or smart-phone that takes video and you'll be good to go. The workshop will have two tracks, one for beginners, and the other for those who already know how to shoot video with their phone or DSLR camera. Both sessions will be taught by the Gaylord College of Journalism and Mass Communication, using iMovie or (for the advanced workshop) iMovie, Final Cut Pro or Adobe Premiere Pro. You pick the track.

Open to all journalists, journalism students and SEJ members. Pre-registration and \$45 fee required. Lunch included.

Moderator:

Adam Glenn, Educator, CUNY Graduate School of Journalism; Digital Media Consultant; Editor, *SEJournal*, Society of Environmental Journalists

Instructors (Advanced Video Workshop):

Julie Jones, Associate Professor, Gaylord College of Journalism and Mass Communication, University of Oklahoma

Carylon Ross, Professor of Communication, Broadcast Journalism, Langston University

Instructors (Basic Video Workshop):

Christina DeWalt, Gaylord College of Journalism and Mass Communication, University of Oklahoma

Yousuf Mohammad, Gaylord College of Journalism and Mass Communication, University of Oklahoma

REGISTRATION

2:00 - 6:00 p.m.

Location: In the foyer of the Conference Center near the glass doors to the parking lot

If you didn't sign up ahead of time for the Friday dinner and movie, Saturday night party or Sunday brunch at the National Weather Center, there may still be room — please check with registration.

SEJ INFORMATION TABLE

2:00 - 6:00 p.m.

Location: In the foyer of the Conference Center near registration

Sign up here for Saturday mini-tours. Read up on SEJ Board candidates, and find information about SEJ Award winners, membership and services. Pick up copies of *SEJournal* and other SEJ information.

SEJ MEET AND GREET: BREAK BARRIERS AND BREAD WITH MEMBERS, NEW AND OLD

3:00 - 5:00 p.m. (roundtable begins around 4:00 p.m.)

Location: Sooner A&B

The Society of Environmental Journalists would not exist without its members. Before the big party, grab a snack and a drink, and meet up with SEJ's newest members, long-timers and environmental journalists from 40 states, eight countries and more than a dozen tribes. We'll relax together and share thinking on ways to increase ethnic diversity and responsiveness in SEJ and our beat. A rolling ice-breaker to get the conversation going will be followed by a casual roundtable discussion about ways to engage members, particularly younger and more diverse members. New to SEJ? Not yet a member? Come learn what SEJ has to offer, and tell us what you're looking for. Feel free to drop in at any point to meet, greet and eat!

Hosts:

Tina Casagrand, Freelance Journalist

Christy George, Independent TV Producer

Gloria Gonzalez, Senior Editor, Crain Communications and former News Editor, Ecosystem Marketplace

Meaghan Parker, Writer/Editor, Environmental Change and Security Program, Wilson Center

Roger Witherspoon, Reporter, The Huffington Post/Environment; Energy Matters; NewJerseyNewsroom.com



Image courtesy of Linda Romines

OPENING RECEPTION, DINNER AND SEJ AWARDS

5:00 - 9:00 p.m.

Location: Oklahoma Ballroom

Oklahoma has 38 federally recognized tribes and the highest percentage of Native Americans of any state. To kick off this year's festivities, we'll celebrate this cultural diversity with opening prayers, traditional song, dance and drumming. Then, we'll explore how Native peoples in Oklahoma and beyond influence conservation and environmental policies across the state, the nation and the globe. Following dinner, settle in and watch SEJ's Environmental Journalism Awards, the best of the best environmental reporting and photojournalism on the planet — great work that's changing the world, one story, one photo, one book at a time.

Emcees:

Nancy Gaarder, Weather Reporter, *Omaha World-Herald*

Sarah Terry-Cobo, Energy Reporter, *The Journal Record* (Oklahoma City)

Jeff Burnside, Senior Investigative Reporter, KOMO 4 News, Seattle

Welcome:

Ed Kelley, Interim Dean, Gaylord College of Journalism and Mass Communication, and former editor, *The Oklahoman*, will be introduced by the "Singing Sooners."

Moderator:

Jennifer Loren, Executive Producer and Host, *Osiyo*, Voices of the Cherokee People, Cherokee Nation Businesses

Speakers:

Marilyn Baptiste, 2015 Goldman Environmental Prize Winner and Xeni Gwet'in Councilor, will join us via satellite from her native land in British Columbia

Casey Camp-Horinek, Native Rights Activist, Environmentalist and Actress, and member of the Ponca Nation

Debra White Plume, Lakota Activist and Consulting Producer, "Crying Earth Rise Up"

Thursday, October 8, 2015

REGISTRATION

4:30 - 10:00 a.m. and Noon - 5:00 p.m.

Location: In the foyer of the Conference Center near the glass doors to the parking lot

If you didn't sign up ahead of time for the Friday dinner and movie, Saturday night party or Sunday brunch at the National Weather Center, there may still be room — please check with registration.

SEJ INFORMATION TABLE

4:30 a.m. - 5:00 p.m.

Location: In the foyer of the Conference Center near registration

Sign up here for Saturday mini-tours. Read up on SEJ Board candidates, and find information about SEJ Award winners, membership and services.

Pick up copies of *SEJournal* and other SEJ information.

TOURS IN THE FIELD

Advance registration and a fee are required for all Thursday tours. Registered tour attendees should report to the staging area no later than 15 minutes before their scheduled departure time. All tours depart promptly at the times listed below and return to the Embassy Suites about 5:00 p.m.

Buses will stage and depart from the Embassy Suites just outside the doors near registration. If you've not registered yet, stop by registration to pick up your conference materials.

For buses leaving at 6:00 a.m. or earlier, a cash-and-carry kiosk will have breakfast items you can purchase.

Due to morning-of cancellations or available space, some tours may be able to take standby passengers. Standby passengers should report 15 minutes prior to departure and have the tour fee available. Standby passengers will be admitted on a first-come/first-served basis, after those already on a wait list.

Buses will return to the Embassy Suites about 5:00 p.m. for the Independent Hospitality Receptions, where you'll find hors d'oeuvres, drinks, press kits and good cheer in the Oklahoma Ballroom.



Image courtesy of Joe Wertz

1. Diving into Tallgrass — and Wind

(5:00 a.m. departure, \$40 fee, lunch included)

Come watch the sunrise over the Tallgrass Prairie Preserve, one of the last swaths of unspoiled prairie on the planet. After spending the morning hiking — maybe spotting a bison or two — we'll meet with citizens of the Osage Nation to check out several local wind farm operations and find out why they have been the source of federal litigation. We'll wrap up the afternoon at the Standing Bear Museum and Education Center in Ponca City, named for the 19th century Ponca chief who forced the U.S. government to formally acknowledge that Native Americans were people with rights under the law. **Total drive time – 6 hours.**

Tour Leaders:

Jane Braxton Little, Freelance Journalist

Lenzy Krehbiel-Burton, Freelance Journalist

Speakers:

Casey Camp-Horinek, Native Rights Activist, Environmentalist and Actress, and member of the Ponca Nation

Jeffrey Clark, Executive Director, The Wind Coalition (Oklahoma)

Vicki Monks, Freelance Writer

Clint Patterson, Assistant Attorney General, Osage Nation

Harvey Payne, Community Relations Coordinator, Tallgrass Prairie Preserve, The Nature Conservancy (Oklahoma)

Jay Pruett, Director of Conservation, The Nature Conservancy (Oklahoma)

Louise Red Corn, Editor and Renaissance Woman, *The Bigheart Times*

Holli Wells, Attorney General, Osage Nation

Standing Bear Museum and Education Center representative TBA



2. Tar Creek: A Superfund Study in Environmental Justice

(5:30 a.m. departure, \$40 fee, lunch included)

Tar Creek was once one of the world's largest mining sites for lead, cadmium and zinc; mine tailings still loom nearly a mile high above a town that no longer exists. Children in Picher, OK, used to play on the tailings, while toxic lead-laden dust blew into their homes. In 1983, after the mines were shuttered, the U.S. EPA added Tar Creek to its Superfund list and Picher's residents are now mostly gone. But the Quapaw Tribe is still coping with the aftermath. We'll tour the area, share lunch with tribal elders and hear from scientists and government officials about how cleanup is progressing. We'll also watch a 2006 PBS documentary, "The Creek Runs Red," on the bus.

Total drive time – 6.5 hours.

Tour Leaders:

Karen Schaefer, Freelance Journalist and Independent Radio Producer

Lisa Snell, Editor, *Native American Times*

Speakers:

William Andrews, Director, Oklahoma Water Science Center, U.S. Geological Survey

Rebecca Jim, Executive Director and Founder, Local Environmental Action Demanded Agency, Inc.

Robert Nairn, Sam K. Viersen Family Foundation Presidential Professor, School of Civil Engineering and Environmental Science; Director, Center for Restoration of Ecosystems and Watersheds; and Associate Director, Water Technologies for Emerging Regions Center, University of Oklahoma

Scott Thompson, Executive Director, Oklahoma Department of Environmental Quality



3. Drought and Climate Change Impacts in Air, Water and Agriculture

(6:00 a.m. departure, \$40 fee, lunch included)

Sustained drought has left southwestern Oklahoma with massive agricultural losses and long-term water supply needs. The situation could worsen: NASA Goddard scientists predict the Great Plains might soon face the worst drought in 1,000 years. Take a road trip to the Wichita Mountains Wildlife Refuge, home of a herd of 650 bison. We'll take you to the top of Mount Scott, where haze from Texas coal plants sometimes clouds the panoramic views. Hike with climatologists and scientists, talk with water managers, farmers and lawyers and see firsthand how cities, growers and conservationists are coping with a drier, hotter world.

Total drive time – 5 hours.

Tour Leaders:

Douglas Fischer, Director, Environmental Health Sciences

Joe Wertz, Reporter, KOSU Radio, StateImpact Oklahoma

Speakers:

Jeri Fleming, Attorney and Environmental Programs Manager, Water Quality Division, Oklahoma Conservation Commission

Mike Langston, Assistant Director, South Central Climate Science Center

Jay Lund, Professor, Department of Civil and Environmental Engineering, and Director, Center for Watershed Sciences, University of California, Davis

Al Sutherland, Assistant Extension Specialist, Department of Biosystems and Agricultural Engineering, Oklahoma State University

4. A Taste of Oklahoma Food Research

(6:30 a.m. departure, \$40 fee, lunch included)

CANCELLED



5. Water Rights — Water Fights

(7:00 a.m. departure, \$40 fee, lunch included)

No area of Oklahoma better illustrates the delicate water balance among industry, communities and landowners than south-central Oklahoma. That's where the Arbuckle-Simpson Aquifer provides water to 40,000 people and enjoyment to millions more each year at the Chickasaw National Recreation Area. But a recent increase in limestone and sand mining is putting more pressure on perhaps the most sensitive water resource in the state. We'll tour the back roads to see some shocking water waste, before heading to the recreation area to learn how the depletion of the aquifer is impacting tourism and to hear about the ongoing fight between the state and Native American tribes over who controls the water. Our final stop will be the Kerr EPA National Lab, where experts will tell us what they're learning about groundwater sustainability.

Total drive time – 3.5 hours.

Tour Leaders:

Allen Best, Writer/Journalist

Logan Layden, Reporter, StateImpact Oklahoma

Speakers:

Amy Ford, President, Citizens for the Protection of the Arbuckle-Simpson Aquifer

Noel Osborn, Hydrologist, National Park Service

Randall Ross, Hydrogeologist, Robert S. Kerr Environmental Research Center, U.S. Environmental Protection Agency

Shannon Shirley, Member, Citizens for the Protection of the Arbuckle-Simpson Aquifer

Duane Smith, Chickasaw Nation Water Consultant and former Executive Director, Oklahoma Water Resources Board

Kim Winton, Director, South Central Climate Science Center, U.S. Geological Survey



6. A Noble Look at Sustainability

(7:30 a.m. departure, \$40 fee, lunch included)

What is soil health? Why would an environmental journalist care about it? Soil is the first line of defense in feeding a world impacted by increasing weather volatility stemming from climate change. Healthy soil helps reduce nitrogen and phosphorus loss from farms. Ardmore, OK, is home to the Noble Foundation, a unique private facility that focuses on agricultural and grasslands research. The campus has more than 90 scientists who conduct grassland research and work with farmers and ranchers. You'll learn about their research while exploring the facility. You'll also visit a ranch and learn about sustainable grazing and challenges of encroaching sprawl.

Total drive time – 3 hours.

Tour Leaders:

Chris Clayton, Agriculture Policy Editor, DTN/*The Progressive Farmer*

Jennifer Lutzke, Associate Editor, *High Plains/Midwest Ag Journal*

Speakers:

Hugh Aljoe, Program Manager for Pasture and Range, Noble Foundation

Bill Buckner, President and Chief Executive Officer, Noble Foundation and former Chief Executive Officer, Bayer CropScience

Twain Butler, Professor, Forage Agronomy, Forage Improvement Division, Noble Foundation

Adam Calaway, Director of Communications, Noble Foundation

Jimmy Kinder, Farmer (Walters, OK)

Jeff Moen, Director of Business Development, Noble Foundation

Clay Pope, Consultant, Southern Plains Climate Hub, U.S. Department of Agriculture; former Executive Director, Oklahoma Association of Conservation Districts; and former Oklahoma State Senator

James Rogers, Assistant Professor, Forage Systems, Agricultural Division, Noble Foundation



7. Drilling, Fracking, Disposal and Earthquakes? Oh My! (8:00 a.m. departure, \$40 fee, lunch included)

Oklahoma is in the heart of several prolific oil formations and is no stranger to the boom and bust cycle. Indeed, several Oklahoma companies have led the drilling boom in the Barnett, Marcellus and Bakken shales. But, those drillers also pioneered water reuse and recycling techniques, designed more efficient and safer rigs, and created high-tech automated systems to monitor disposal operations in real time. Our goal is to get you up close and personal with drilling and disposal operations. We'll start on the OU campus with an introduction to oil drilling and hydraulic fracturing. Then, into the field to witness companies drawing water from local streams, to check out the cool tools used to drill deep wells and to examine water recycling facilities and a wastewater disposal operation.

Total drive time – 3.5 hours.

Tour Leaders:

Bobby Magill, Senior Science Writer, Climate Central

Sarah Terry-Cobo, Energy Reporter, *The Journal Record* (Oklahoma City)

Adam Wilmoth, Energy Editor, *The Oklahoman*

Speakers:

A.J. Ferate, Vice President of Regulatory Affairs, Oklahoma Independent Petroleum Association (invited)

Monika Freyman, Senior Manager, Water Program, Ceres

Kim Hatfield, President, Crawley Petroleum; and Seismic Coordinating Council Chairman, Oklahoma Independent Petroleum Association

Kyle Murray, Hydrogeologist, Oklahoma Geological Survey, and Professor, Mewbourne College of Earth & Energy, University of Oklahoma

Chandra Rai, Professor and Director, Mewbourne School of Petroleum and Geological Engineering, University of Oklahoma

Michael Teague, Secretary of Energy and Environment, State of Oklahoma (invited)

Catalin Teodoriu, Associate Professor, Petroleum and Geological Engineering, Mewbourne College of Earth & Energy, University of Oklahoma

Pecan Hill Water Solutions representative TBA



8. Explore the Heart of Indian Country (8:30 a.m. departure, \$40 fee, lunch included)

Based on the Choctaw words "Okla" meaning people and "humma" meaning red, Oklahoma is home to 38 federally recognized tribes. On this tour of the Chickasaw Cultural Center and traditional springs, we'll explore the unique relationship among the Chickasaw Nation, Choctaw Nation and the state over land and water issues. Visit a re-creation of a traditional Chickasaw village, featuring a council house, spiral garden, replica mound, corn crib, stickball fields and more. Learn about multiple aspects of Chickasaw life, including language, recreational activities, cooking demonstrations and cultural displays. Enjoy lunch options from the Aaimpa Café, featuring American Indian food selections. Finish the day with a hike to Chickasaw Springs. **Total drive time – 2.5 hours.**

Tour Leaders:

Debra Krol, Freelance Journalist and Book Department Editor, *Native Peoples Magazine*

Rebecca Landsberry, Interim Executive Director, Native American Journalists Association and Executive Director, Native Health News Alliance

Speakers:

Kevin Kemper, Adjunct Lecturer, Native American Studies and LL.M. Candidate, College of Law, University of Oklahoma

Chickasaw Nation representatives TBA



9. National Weather Center: From Balloons to Supercomputers, Forecasting Severe Weather (9:00 a.m. departure, \$40 fee, lunch included)

Oklahoma is justifiably famous for its severe weather. The National Weather Center, a partnership of OU, NOAA and state agencies, is a world leader in severe weather research. Here, we'll learn about connections between climate change and severe weather, limitations in forecasting weather and advances around the corner. Tour includes the National Severe Storms Laboratory, where researchers work to improve the accuracy of storm warnings, the Storm Prediction Center, which forecasts the risk of tornadoes and severe weather nationally, the Radar Innovations Lab, used by the military and the weather service to advance their ability to peer into the atmosphere, and the local NOAA forecasting office. **Total drive time – 1 hour.**

Tour Leaders:

Silas Allen, Weather Reporter, *The Oklahoman*

Doyle Rice, Weather Editor/Reporter, *USA TODAY*

Speakers:

Mark Benner, Radar Technician, National Severe Storms Laboratory, National Oceanic and Atmospheric Administration

Howie Bluestein, George Lynn Cross Research Professor, National Weather Center, University of Oklahoma

Greg Carbin, Warning Coordination Meteorologist, Storm Prediction Center, National Weather Service, National Oceanic and Atmospheric Administration

Chris Fiebrich, System Manager, Oklahoma Mesonet, University of Oklahoma

Jim Kurdzo, Radar Researcher, Radar Innovations Laboratory, Advanced Radar Research Center, University of Oklahoma

Rick Smith, Warning Coordination Meteorologist, Norman Forecast Office, National Weather Service

INDEPENDENT HOSPITALITY RECEPTIONS AND EXHIBITS

5:00 - 9:00 p.m.

Location: Oklahoma Ballroom

Now a popular SEJ tradition, this is the conference's best networking opportunity. After spending the day out and about on tours, meet with the hosts of multiple receptions. They'll have experts on hand, as well as displays, materials and, of course, great food and drink. This year we'll have exhibitors on display in the mix. Find details in your conference bag and look for information at the SEJ table.

Stop by the OU Bookstore during the evening receptions and don't miss the book-signing event at 8:00 p.m.

Friday, October 9, 2015

All sessions, as well as registration, exhibits and breaks, will be at the Embassy Suites & Conference Center, 2501 Conference Drive, Norman, OK 73069, (405) 364-8040.

As a journalism organization that believes in an open society, SEJ each year welcomes a diverse group of attendees to our annual conference. Attendees include representatives of business, government and environmental groups, as well as working journalists, academics and students.

Because non-journalists are here, you may see or hear presentations or responses to presentations that you might not expect from mainstream journalists. The presentations and any responses do not necessarily reflect the views of SEJ or any of its members.

As our guest, you should respect our interest in open discussions of environmental issues by thanking all participants in sessions you attend and not disrupting presentations of views you disagree with.

Finally, please respect our rule that SEJ members are given preference during question-and-answer sessions.

REGISTRATION

8:00 a.m. - 5:00 p.m.

Location: In the foyer of the Conference Center near the glass doors to the parking lot

If you didn't sign up ahead of time for the Friday dinner and movie, Saturday night party or Sunday brunch at the National Weather Center, there may still be room — please check with registration.

SEJ INFORMATION TABLE

8:00 a.m. - 5:00 p.m.

Location: In the foyer of the Conference Center near registration

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SEJ EXHIBITS

8:00 a.m. - 5:00 p.m.

Location: Oklahoma Ballroom

Don't miss the wealth of information offered by the 2015 exhibitors. Learn about environmental issues and innovations, educational opportunities, see some great displays and add to your source list.

BOOKSTORE

10:00 a.m. - 2:00 p.m.

Location: Oklahoma Ballroom

The University of Oklahoma's bookstore is on site to sell SEJ members' and speakers' books, as well as offering environmental books hand-picked for the SEJ conference.

BREAKFAST OF ENVIRONMENTAL CHAMPIONS

7:00 - 8:45 a.m.

Location: Oklahoma Ballroom

The free omelet bar beckons! Come share breakfast with PIOs from DC and across the country. We'll have public information officers from several federal and state agencies, including EPA, NOAA, FWS and USGS, gathered in one place at one time just for you. Freelance journalist **Lana Straub** will be your breakfast emcee as you move from table to table meeting contacts and gathering intel for that next big story. It'll be a breakfast of environmental champions that you won't want to miss.



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Image courtesy of Brent Fuchs

OPENING PLENARY

CLIMATE CHANGE AND EXTREME WEATHER:
PLANNING FOR AN UNCERTAIN FUTURE

9:00 - 10:30 a.m.

Location: Oklahoma Ballroom

From tornadoes on the plains to hurricanes on the coasts, and from drought and wildfire to flooding and snowstorms, and despite differing politics and climate change "beliefs," the nation is bracing for a super-charged extreme weather future. We'll explore this future with top weather, ocean and infrastructure experts, learn about adaption and mitigation strategies already under way and address our limitations in understanding the threats.

Welcome:

Kelvin Droegemeier, Vice President for Research and Regents' Professor of Meteorology, University of Oklahoma, will introduce the plenary session.

Moderator: **Seth Borenstein**, Science Writer, The Associated Press

Speakers:

Berrien Moore, Director, National Weather Center; Dean, College of Atmospheric & Geographic Sciences; Chesapeake Energy Corporation Chair in Climate Studies; and Vice President, Weather & Climate Programs, University of Oklahoma

Jonathan Overpeck, Thomas R. Brown Distinguished Professor, Regents' Professor of Geosciences and Atmospheric Sciences, and Co-Director, Institute of the Environment, University of Arizona

Kathryn Sullivan, NOAA Administrator and Under Secretary of Commerce for Oceans and Atmosphere, National Oceanic and Atmospheric Administration

Kathleen Tierney, Director, Natural Hazards Center and Professor, Department of Sociology and the Institute of Behavioral Science, University of Colorado, Boulder

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COFFEE BREAK WITH EXHIBITORS

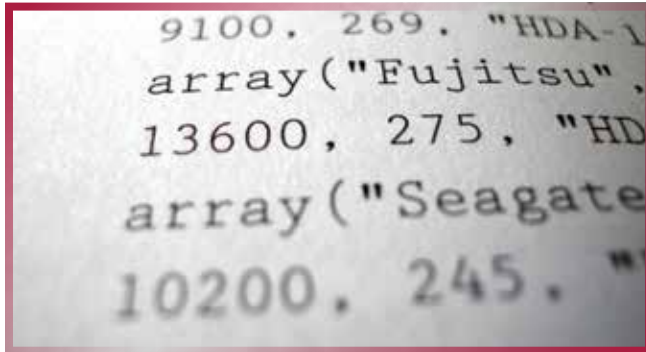
10:30 - 11:00 a.m.

Location: Oklahoma Ballroom

CONCURRENT SESSIONS 1

11:00 a.m. - 12:15 p.m.

Image courtesy of Freeimages.com



THE CRAFT 1

WRANGLING THE NUMBERS

Location: University A

Scientific studies, environmental assessments, cost-benefit analyses are documents environmental journalists encounter daily. They are essential to our reporting but navigating the numbers is often challenging. Yet understanding the numbers can reveal vital clues about the study — and how the information will be used in public policy decision-making. In this session we'll hear from scientists who are experts in telling stories with numbers and who'll help demystify the math so journalists can ask better questions — and tell better stories — about subjects ranging from climate change to air pollution and endocrine disruption. This number wrangling is also key to data visualization and full of surprises which can lead to otherwise hidden stories.

Moderator: **Elizabeth Grossman**, Freelance Journalist

Speakers:

Sylvia Brandt, Associate Professor, Econometrics and Environmental Economics, Department of Resource Economics, University of Massachusetts Amherst

Janet Raloff, Editor, *Science News for Students*

Leonardo Trasande, Associate Professor, Department of Pediatrics; Associate Professor, Department of Environmental Medicine; Associate Professor, Department of Population Health, School of Medicine/Langone Medical Center, New York University



Image courtesy of Jason Morrison

THE CRAFT 2

COVERING ENVIRONMENTAL CRIMES

Location: University B

The criminal justice system plays a key role in the enforcement of environmental laws and the implementation of public policy. Courts are venues for confrontation in newsworthy conflicts — some with serious human impacts. Such conflicts are as diverse as toxic dumping, poaching, illegal asbestos removal, trafficking in endangered species and filing fraudulent reports with environmental regulators. This panel explores the role of federal and state environmental, public land management and natural resources law enforcement agencies and the criminal courts as sources for news tips, story ideas, documents and people to interview.

Moderator: **Eric Freedman**, Knight Chair; Director of the Knight Center for Environmental Journalism; Director of Capital News Service; and Professor, School of Journalism, Michigan State University

Speakers:

Michael Freeman, Criminal Investigator, Oklahoma Department of Environmental Quality

Deborah Harris, Chief, Environmental Crimes Section, Environment & Natural Resources Division, U.S. Department of Justice

Steve Oberholtzer, Special Agent in Charge, Mountain Prairie Region, U.S. Fish and Wildlife Service

FRIDAY OCTOBER 9, 2015

Image courtesy of Joe Wertz



ENERGY

WHAT'S SHAKING: EARTHQUAKES LINKED TO DRILLING IN OKLAHOMA AND BEYOND

Location: University C

The nation's drilling boom has created a strange side effect: man-made earthquakes. Shaken more than California last year with no end in sight, Oklahoma is at the center of this trend. But Arkansas, Colorado, Ohio and West Virginia have had quakes linked to drilling-waste disposal. Texas has had some of the best documented cases and has seen some of the fiercest backlash from rattled homeowners. We'll hear from scientists at the center of research into "induced seismicity," a reporter who covered the politics of quakes in the oil patch, and one of the three commissioners in charge of regulating oil and gas drilling in Texas.

Moderator: Mike Soraghan, Reporter, EnergyWire/E&E Publishing

Speakers:

Jeremy Boak, Director, Oklahoma Geological Survey, Mewbourne College of Earth & Energy, University of Oklahoma

Ziva Branstetter, Editor in Chief, The Frontier and former Enterprise Editor, *Tulsa World*

Justin Rubinstein, Research Geophysicist and Deputy Chief of the USGS Induced Seismicity Project, U.S. Geological Survey

Ryan Sitton, Texas Railroad Commissioner

Image courtesy of Brent Fuchs



WATER

WATER IN A THIRSTY WORLD: COSTS AND RISKS

Location: Oklahoma G

An insufficient supply of freshwater strains food production, energy development, urban life and ecosystems. Twentieth-century perceptions of abundant water have given way to a new era of scarcity. What are the key risks? How should governments and managers respond? Oklahoma, for instance, set a goal in 2012 of using no more water in 2060 than today. Panelists will discuss state, regional and international connections between water, food, energy, cities and the environment.

Moderator: Brett Walton, News Correspondent, Circle of Blue

Speakers:

Monika Freyman, Senior Manager, Water Program, Ceres

Brian Richter, Chief Scientist, Global Water Program, The Nature Conservancy

J.D. Strong, Executive Director, Oklahoma Water Resources Board

Image courtesy of Brent Fuchs



NATIVE AMERICANS AND DIVERSITY INDIANS 101: THE LAW AND THE LAND

Location: Sooner B

We highly recommend attending this session if you plan to go to Saturday's complementary session, "Indian Environmental Law: Flexing Legal Muscle Beyond Reservation Lands." These two panels feature a cast of all-stars available only in Oklahoma to verse you on American Indians' role in environmental issues. This first one is about the basics of tribal government jurisdiction, which you will need to know to produce stories about the case studies in the second one. Here you will gain appreciation for boundaries between federal, tribal, state, county and city governments. At the very least, you will learn the common pitfalls to avoid in covering them.

Moderator: Talli Nauman, Co-Director, Journalism To Raise Environmental Awareness

Speakers:

Nedra Darling, Spokeswoman and Director, Office of the Assistant Secretary for Indian Affairs, U.S. Department of the Interior

Neal McCaleb, Ambassador at Large, Chickasaw Nation

Lindsay Robertson, Chickasaw Nation Native American Law Chair and Faculty Director, Center for the Study of American Indian Law and Policy, College of Law, University of Oklahoma

Image courtesy of Cheryl Empey



CLIMATE CHANGE AND WEATHER

HOURS TO DECADES: THE NEW WORLD OF LONG-RANGE TORNADO SCIENCE

Location: Sooner A

Tornado understanding is moving far beyond the 13-minute lead time that is now standard for U.S. tornado warnings. A congressional bill is calling for research into hour-plus lead times. Seasonal tornado prediction is getting its sea legs. And though we can't pin an individual tornado on climate change, we're learning more about how tornado season might change as our climate warms — and how it's already changing. What's the science behind these advances, and what are the benefits and potential risks for a public that's both storm-savvy and hype-weary?

Moderator: Robert Henson, Weather/Climate Science Blogger, Weather Underground, and Author, "Thinking Person's Guide to Climate Change"

Speakers:

Harold Brooks, Senior Research Scientist, National Severe Storms Laboratory, National Oceanic and Atmospheric Administration

Victor Gensini, Associate Professor of Meteorology, Department of Earth Sciences, College of DuPage

Kim Klockow, Postdoctoral Researcher, University Corporation for Atmospheric Research, and Policy Advisor for Social Science Integration, National Oceanic and Atmospheric Administration



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Image courtesy of Phillip Collier



THE LAND

INFRASTRUCTURE, THE 14-LETTER DIRTY WORD

Location: Boomer B

With a Congress poised to spend next to nothing, cities, states and regions are hard-pressed to deal with century-old maintenance and replacement problems in the face of climate change and population growth: streets and highways, sewer and water systems, levees and dams. You name it and it adds up to trillions of dollars. We try to pin down those asking for the money on what it means to our environment.

Moderator: **Mark Schleifstein**, Environment Reporter, NOLA.com | *The Times-Picayune*

Speakers:

Kenneth Smith, Member, American Society of Civil Engineers, and former President, Association of State Dam Safety Officials
U.S. Army Corps of Engineers representative TBA

Tim Williams, Deputy Executive Director, Water Environment Federation

Musharrah Zaman, Director, Southern Plains Transportation Center, Department of Civil and Environmental Engineering, University of Oklahoma (invited)

Image courtesy of Brent Fuchs



FOOD AND AGRICULTURE

FEEDING THE WORLD: CHANGE OF DIRECTION

Location: Boomer A

Goat and fish are what's for dinner on far more tables than beef is. Langston University's E (Kika) de la Garza American Institute for Goat Research is an international leader in breeding and food research. Langston's Aquaculture Facility has 46 research ponds exploring how to improve raising fish. The Aquaculture program aims for environmental harmony to increase profitability and reduce dependence on outside resources. Feeding the world triggers threats of famine, but the high-tech solution is a double-edged sword in agriculture. Laws governing agriculture have changed as the public embraces goals of sustainability and environmental stewardship.

Moderator: **Christine Heinrichs**, Freelance Journalist

Speakers:

Terry Gipson, Research Associate, E (Kika) de la Garza American Institute for Goat Research, School of Agriculture, Langston University

Drew Kersten, Earl Sneed Centennial Professor of Law (Emeritus), College of Law, University of Oklahoma

George Luker, Aquaculture Specialist, School of Agriculture, Langston University

NETWORK LUNCH

12:15 - 1:45 p.m.

Location: Oklahoma Ballroom

Choose a discussion table on a wide range of timely topics and reporting tips, or join a breakout session with lively newsmakers or journalism trainers. Check the SEJ table for a list of topics.



CONCURRENT WITH THE TABLE DISCUSSIONS ARE THE FOLLOWING BREAKOUT SESSIONS:

1. Helping Environmental Scientists Engage the Public Directly

Location: Crimson Room

Journalism educators can meet an increasing demand from scientists to directly engage the public by helping them develop journalistic skills and values. Journalism educators have long offered such training to the science community. But a new demand — and opportunity — comes directly from scientists and other researchers. It is fueled by young researchers who want their science to change policy, funders who demand broader impacts of the science they support and the disruption that has led to fewer journalists on specialty beats and in general.

Moderator: **David Poulson**, Senior Associate Director, Knight Center for Environmental Journalism, Michigan State University

Speakers:

Bill Allen, Assistant Professor of Science Journalism, School of Journalism, University of Missouri - Columbia

Dan Fagin, Director, Science, Health, Environmental Reporting and Science Communication Workshops, New York University

Rick Purtha, Team Leader, Water Quality Indiana, Ball State University

2. Beyond Hard Science: Social Science and the IPCC

Location: Oklahoma G

Scientists have made their case for taking action on climate change, and economists have gained a few more converts, but it's not enough to move most Americans. Enter social scientists: sociologists, anthropologists, psychologists and philosophers. They're looking at how to use our institutions and cultural practices to drive action.

Moderator: **Christy George**, Independent TV Producer

Speakers:

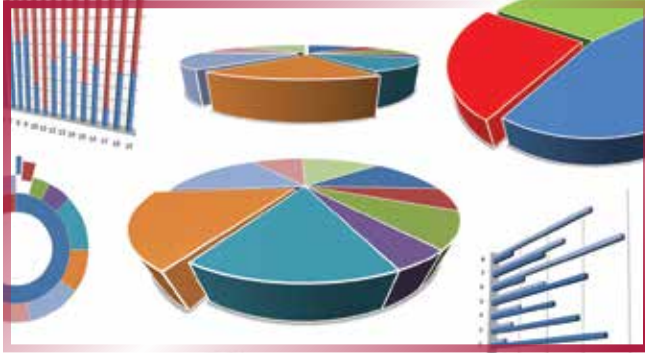
Riley Dunlap, Regents Professor of Sociology and Laurence L. and Georgia Ina Dresser Professor, Department of Sociology, Oklahoma State University

Katharine Hayhoe, Director, Climate Science Center, Texas Tech University

CONCURRENT SESSIONS 2

2:00 - 3:15 p.m.

Image courtesy of Freeimages.com



THE CRAFT 1

FIGURES THAT ILLUSTRATE, FIGURES THAT OBFUSCATE AND HOW TO TELL THE DIFFERENCE

Location: University A

In science, and especially in the world of climate science, numbers can be used and misused. This session will give you a quick guide on what to look for on how numbers can help you find the truth in science and how they can lead you astray, with real life examples from the world of global warming. Sure figures lie and liars figure, but here's how to figure it out — done in mythbusting style.

Moderator: **Seth Borenstein**, Science Writer, The Associated Press

Speakers:

Deke Arndt, Chief of Climate Monitoring, National Centers for Environmental Information, National Oceanic and Atmospheric Administration

Kevin Kloesel, Director, Oklahoma Climatological Survey; University Meteorologist, Office of Emergency Preparedness; and Associate Professor, College of Atmospheric & Geographic Sciences, University of Oklahoma

Bill Werkheiser, Associate Director, Water, U.S. Geological Survey



Image courtesy of Arve S.

THE CRAFT 2

FREELANCE PITCH SLAM

Location: University B

As if crafting a captivating pitch isn't challenging enough, waiting for editors to reply to your pitches can be downright demoralizing and aggravating, right? This Pitch Slam is your chance to present a 60-second pitch to a captive audience of editors and receive feedback immediately. Whether you're new to freelancing or a veteran, this session is your chance to learn from editors how they think, what their publications want, what they pay, how to break in and why your story could work, or not work, for them. You'll walk away with an improved pitch, key contacts in the field and maybe an assignment or two. Note: this session will not be recorded and attendees are expected to keep others' pitches confidential.

Moderator: **Susan Moran**, Freelance Journalist

Speakers:

Jennifer Bogo, Executive Editor, *Popular Science*

Rene Ebersole, Features Editor, *Aubudon Magazine*

Janet Raloff, Editor, *Science News for Students*

Todd Reubold, Publisher and Founding Editor, *Ensis*

Tyghe Trimble, Editorial Director, *MensJournal.com*

FRIDAY OCTOBER 9, 2015



DOING OUR PART TO KEEP THE NEIGHBORS HAPPY.

Boeing takes pride in leading environmental protection and restoration efforts, both locally and globally, to protect the Earth—down to our smallest neighbors.

Please visit our exhibit to learn more about how Boeing builds a better planet.



Image courtesy of Brent Fuchs



WATER
MEGADROUGHTS: A THREAT TO CIVILIZATION?

Location: *Oklahoma G*

With California in the midst of one of its worst droughts on record — and the West in general enduring a 15-year drought — scientists are wondering if we’re seeing the beginning of a “megadrought” across the region. But what, exactly, is a megadrought? Are they a “threat to civilization” as some scientists have said? Panelists will discuss megadroughts and also address how climate change is related to this drought and megadroughts overall.

Moderator: **Doyle Rice**, Weather Editor/Reporter, *USA TODAY*

Speakers:

Brian Fuchs, Associate Geoscientist/Climatologist, National Drought Mitigation Center, University of Nebraska-Lincoln

Jay Lund, Director, Center for Watershed Sciences and Professor of Civil and Environmental Engineering, Department of Civil and Environmental Engineering, University of California, Davis

Gary McManus, State Climatologist, Oklahoma Mesonet and Oklahoma Climatological Survey, University of Oklahoma

Jonathan Overpeck, Thomas R. Brown Distinguished Professor, Regents’ Professor of Geosciences and Atmospheric Sciences, and Co-Director, Institute of the Environment, University of Arizona

Image courtesy of Eli Ratner and Gregory Morris



NATIVE AMERICANS AND DIVERSITY
ENVIRONMENTAL JUSTICE TODAY: FROM THE PLAINS TO THE STREETS

Location: *Sooner B*

How are environmental issues affecting vulnerable and marginalized communities? It’s our job as environmental journalists to find out, but writing and reporting environmental justice stories is not always easy. In this panel, we will discuss the importance of environmental justice journalism, the logistics of finding stories and sources, and how to tell culturally specific stories respectfully and accurately.

Moderator: **Jenny Chen**, Freelance Journalist

Speakers:

Brian Bienkowski, Senior Editor, Environmental Health News

Vicki Monks, Freelance Writer

Kendra Pierre-Louis, Independent Journalist and Author, “Green Washed”

Ed Williams, Reporter, KUNM/Public Health New Mexico

Image courtesy of Florent Chevillard



CLIMATE CHANGE AND WEATHER MELTDOWN: CLIMATE CHANGE AND POLITICAL INSTABILITY

Location: Sooner A

The warnings about climate warring are coming from all corners. "Climate change can increase the risk of instability and conflict across the globe," said Secretary of State John Kerry. Pope Francis said in his encyclical that "once certain resources have been depleted, the scene will be set for new wars." From drought-stricken Syria to the melting Arctic, this panel will offer new angles for reporters in run-up to the Paris COP. Foreign policy and defense experts will explain how climate change can undermine political stability, how to separate facts from fiction about "climate wars" and "climate refugees," and identify some surprising opportunities for mitigating conflict and climate.

Moderator: **Cleo Paskal**, Associate Fellow, Department of Energy, Environment and Resources, Chatham House, and Author, "Global Warring: How Environmental, Economic, and Political Crises Will Redraw the World Map"

Speakers:

Roger-Mark De Souza, Director of Population, Environmental Security and Resilience, Woodrow Wilson Center

Captain James Goudreau, Acting Deputy Assistant Secretary of the Navy for Energy (invited)

Melanie Nakagawa, Member, Policy Planning Staff, U.S. Department of State (invited)



Image courtesy of Dick Daniels

THE LAND WINGED WARNINGS: WHAT CAN TODAY'S MINESHAFT CANARIES TEACH US?

Location: Boomer B

"Canary in the coalmine" isn't just a proverb: Birds are showing us what ails their environment — and sometimes, what ails us. Their breeding, parenting, behavior, brains, hormones — even their songs — have been altered by pollutants, climate change and other threats. More than 1,300 species of birds are perched perilously on a global list of threatened species, and each one is sending us warnings about the threats to the health of wildlife and humans. At this session, hear from a scientist who is studying the newest class of pesticides called neonicotinoids and from writers and editors who crafted the Winged Warnings series.

Moderator: **Marla Cone**, Senior Editor, Environment, *National Geographic*

Speakers:

Alanna Mitchell, Science Journalist, Author and Playwright

Christy Morrissey, Associate Professor, Department of Biology and School of Environment and Sustainability, University of Saskatchewan

3rd speaker TBA

Image courtesy of iStock



FOOD AND AGRICULTURE CAN BIG DATA SAVE AMERICAN FARMERS?

Location: *Boomer A*

American farmers — and the crops we all depend on — are in for a serious blow from climate change. In response, agribusiness giants like Monsanto are looking for solutions, and one of the most promising could be on farmers’ smartphones. “Precision farming” taps troves of ag-related data to conserve resources and take the guesswork out of climate change adaptation. But as ag companies move into territory usually associated with Google and Facebook, will farmers’ privacy be at risk?

Moderator: **Tim McDonnell**, Reporter, *Mother Jones* and Associate Producer, Climate Desk

Speakers:

Erik Andrejko, Vice President of Science, The Climate Corporation

Robert Parkhurst, Director of Agriculture Greenhouse Gas Markets, Environmental Defense Fund

Mary Kay Thatcher, Senior Director of Congressional Relations, American Farm Bureau Federation

Kristin Weeks Duncanson, Owner/Partner, Duncanson Growers

PLENARY SESSION

WHAT’S IN YOUR EMAIL, DOC?

3:30 - 4:30 p.m.

Location: *Oklahoma Ballroom*

Scientists working or speaking out on hot-button topics like climate change and GMO foods are being peppered with open-records requests to see their data and emails. Is this a legitimate way to smoke out misconduct and undisclosed ties to special interests? Or is it harassment intended to stifle inconvenient research? Can there be too much sunshine? We’ll hear from a scientist targeted by this tactic, an advocate and prolific FOIA filer and a nonprofit group arguing there ought to be limits on such snooping. Oh, and also a journalist who exposed industry influence via emails obtained via open-records request.

Moderator: **Tim Wheeler**, Reporter, *The Baltimore Sun*

Speakers:

Michael Halpern, Program Manager, Center for Science and Democracy, Union of Concerned Scientists

Katharine Hayhoe, Director, Climate Science Center, Texas Tech University (invited)

Gary Ruskin, Co-director, US Right to Know (invited)

Mike Soraghan, Reporter, EnergyWire/E&E Publishing

SEJ MEMBERSHIP MEETING

4:30 - 5:30 p.m.

Location: *Oklahoma Ballroom*

All are welcome for the Annual Membership Meeting of the Society of Environmental Journalists. SEJ members, please attend to hear from candidates and cast your vote to fill open seats on SEJ’s 2016 Board of Directors. Reports, Q&A and lively discussion of hot topics and future plans for SEJ membership, finance and programs will round out the hour. Non-members are also invited to browse exhibits in the Oklahoma Ballroom at this time.

DINNER AND A MOVIE AND... YOU

7:00 - 11:00 p.m.

Location: *Oklahoma Ballroom*

Enjoy a “movie-fare” dinner, including pizza, popcorn and a cash bar, with the groundbreaking documentary, “Racing Extinction,” from director Louie Psihoyos and the group behind the Academy Award-winning film, “The Cove.” After the show, we’ll have a discussion with filmmakers moderated by **Dennis Dimick**, *National Geographic* Executive Editor, Environment, and **Carylon Ross**, Professor of Communication, Broadcast Journalism, at Langston University. Pre-registration and \$25 fee required.

Following dinner and the feature, the room will open up to all conference attendees as we transition into the “Open Screen” portion of the evening, a forum to celebrate our members and creative works of environmental storytelling. Starting about 9:00 p.m., the Open Screen consists of short videos and excerpts from longer works in a laid-back, interactive presentation.



WIN THE TOP PRIZE FOR YOUNG JOURNALISTS

\$10,000 PRIZES ARE AWARDED to journalists under 35 years of age for outstanding achievement in local, national and international reporting. Print, broadcast and online entries accepted.

TO ENTER, VISIT LIVAWARDS.ORG

2015 Livingston Award winners: Kiera Feldman, Matthieu Aikins, Shoshana Walter and Ryan Gabrielson



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TO APPLY, VISIT KWFELLOWS.ORG

2015-16 Knight-Wallace Fellows include Gregory Amante, Danya Bacchus, Jenna Krajeski, Teresa Frontado, Mosi Secret and Bernice Yeung

KWF

KNIGHT-WALLACE FELLOWS

WALLACE HOUSE AT THE UNIVERSITY OF MICHIGAN: **NURTURING THE TALENTS OF JOURNALISTS**

Saturday, October 10, 2015

All sessions, as well as registration, exhibits and breaks, will be at the Embassy Suites & Conference Center, 2501 Conference Drive, Norman, OK 73069, (405) 364-8040.

As a journalism organization that believes in an open society, SEJ each year welcomes a diverse group of attendees to our annual conference. Attendees include representatives of business, government and environmental groups, as well as working journalists, academics and students.

Because non-journalists are here, you may see or hear presentations or responses to presentations that you might not expect from mainstream journalists. The presentations and any responses do not necessarily reflect the views of SEJ or any of its members.

As our guest, you should respect our interest in open discussions of environmental issues by thanking all participants in sessions you attend and not disrupting presentations of views you disagree with.

Finally, please respect our rule that SEJ members are given preference during question-and-answer sessions.

REGISTRATION

8:00 a.m. - 2:30 p.m.

Location: *In the foyer of the Conference Center near the glass doors to the parking lot*

If you didn't sign up ahead of time for the Saturday night party or Sunday brunch at the National Weather Center, there may still be room — please check with registration.

SEJ INFORMATION TABLE

8:00 a.m. - 2:30 p.m.

Location: *In the foyer of the Conference Center near registration*

Sign up here for Saturday mini-tours. Find information about SEJ Award winners, election results, membership and services. Pick up copies of *SEJournal* and other SEJ information.

SEJ EXHIBITS

8:00 a.m. - 2:30 p.m.

Location: *Oklahoma Ballroom*

Don't miss the wealth of information offered by the 2015 exhibitors. Learn about environmental issues and innovations, educational opportunities, see some great displays and add to your source list.

BREAKFAST WITH WEATHER RESEARCHERS AND TORNADO CHASERS

7:00 - 8:45 a.m.

Location: *Oklahoma Ballroom*

The omelet bar will be back. So will our exhibitors showcasing their coolest stuff. From tornado chase cars and mobile storm radar trucks to drones and prototype alternative vehicles, we'll have all sorts of hands-on displays and eye-opening demos and newsmaking announcements.

Emcee: **Amy Gahran**, Reporter, EnergyBiz.com

CONCURRENT SESSIONS 3

9:00 - 10:15 a.m.



Image courtesy of Kevin Abbott

THE CRAFT 1

PIPELINES AT YOUR DOORSTEP: SAFETY AND ROUTING DATABASES

Location: *University A*

When a natural gas pipeline explodes or an oil pipeline spills, the results can be disastrous. Pipeline safety is a local story almost everywhere, and this session will give you the map and data resources to find it. We will also discuss the many barriers to getting information the public needs to understand potential dangers, inspection, maintenance and regulation. We will take a hands-on look at the National Pipeline Mapping System and explore safety incident data from the Pipeline and Hazardous Materials Safety Administration. Bring your laptop.

Instructor:

Joseph A. Davis, Freelance Journalist and WatchDog Project Director/TipSheet Editor, Society of Environmental Journalists

Image courtesy of Google



THE CRAFT 2 HANDS-ON GOOGLE WORKSHOP: BUILDING MAPS AND GRAPHICS

Location: University B

Enliven your stories with graphics — without being dependent on someone else to make them. This session serves as a refresher for the Wednesday workshop, so that attendees can go home confident they understand Google's graphics tools. Additionally, if you missed Wednesday, come learn the basics of using Google's free graphics tools for journalists. You'll need a Google account and understanding of Google Drive. Bring your laptop.

Moderator: **John Schmeltzer**, Engleman/Livermore Professor in Community Journalism, Gaylord College of Journalism and Mass Communication, University of Oklahoma

Speaker:

Joey Stipek, Online Journalist and Web Designer

Image courtesy of Brent Fuchs



ENERGY

FRACKING: WHAT'S HAPPENING IN YOUR HOME STATE?

Location: University C

Drilling activity is booming in several tight shale basins across the U.S., driven by the increasing use of hydraulic fracturing and horizontal drilling. The fracking boom has created jobs, fueled government revenues and economic growth, and created domestic energy supplies for the nation. It has also raised concerns about environmental damage to ground water and air quality, as well as nuisance impacts such as light, noise and traffic. The response in some locations has been to restrict, even ban, fracking. Industry has followed with lawsuits. Join us for a discussion of what's going on in the states.

Moderator: **Tripp Baltz**, Staff Correspondent, Bloomberg BNA

Speakers:

Adam Briggie, Associate Professor, Department of Philosophy & Religion, University of North Texas and President, Denton Drilling Awareness Network

Arnella Karges, Executive Vice President, Oklahoma Oil & Gas Association

Bobby Magill, Senior Science Writer, Climate Central

Mark Truax, Director of Operations and Coalitions, Coloradans for Responsible Energy Development

Image courtesy of Dave Dyet



**NATIVE AMERICANS AND DIVERSITY
CONSERVATION AND MINERAL EXTRACTION
ON NATIVE LANDS**

Location: Sooner B

Mining and oil and gas production can be considered an environmental bane or economic blessing regardless of the area of extraction. The issues, however, amplify on American Indian lands where minerals can be a singular source of income for tribal governments and individual tribal citizens. Added to that is a complex web of federal legislation and regulations on Indian lands, which are estimated to contain as much as 50 percent of uranium reserves and 20 percent of oil and gas reserves. On the other end of the spectrum, organizations and grassroots leaders guide conservation movements to preserve Native land bases before they are disturbed.

Moderator: **Jodi Rave Spotted Bear**, Executive Director, Fort Berthold Communications Enterprise

Speakers:

Edmund Baker, Environmental Director, Mandan, Hidatsa and Arikara Nation

Leona Morgan, Co-Founder, Diné No Nukes

Terry Tatsey, Director, Institutional Development, Blackfeet Community College and Board Member, Blackfeet Tribal Natural Resource Conservation District

Image courtesy of Roar Petersen



**CLIMATE CHANGE AND WEATHER
A MOST VIOLENT SKY: ON THE FRONTIER OF SEVERE
WEATHER RESEARCH**

Location: Sooner A

The weather can turn from clear to pouring rain and lightning in seeming minutes. Enormous strides have been made understanding severe weather, yet there remains many open questions. We'll discuss how modeling, technology and field campaigns are working together to unveil some of the mysteries of severe weather and provide people with greater warning, especially at night when loss of life can be greatest. We'll also examine research that seeks to bridge the gap between extreme weather and climate change. How much can we pin the latest drought or flood on global warming? 'Attribution research' has begun yielding some answers.

Moderator: **Andrea Thompson**, Senior Science Writer, Climate Central

Speakers:

Gregory Carbin, Warning Coordination Meteorologist, Storm Prediction Center, National Weather Service, National Oceanic and Atmospheric Administration

Renee McPherson, Co-Director, South Central Climate Science Center and Associate Professor of Geography and Environmental Sustainability, University of Oklahoma

David Parsons, Professor and Director, School of Meteorology, University of Oklahoma

4th speaker TBA

Image courtesy of Kristen Price



THE LAND

ARE WE EXHAUSTING THE PLANET?

Location: *Boomer B*

For much of the last century, humans grabbed what seemed like infinite resources. With a growing population, access to more technology and increased urbanization, we have tripled global food and water consumption in the last 50 years and quadrupled fossil fuel consumption. So what does that mean for our land use and for how we feed ourselves? And how can new agricultural methods help us be more resilient to climate change as well as reduce emissions? What is the potential for new agricultural practices to reconcile the threat of climate change with the need to feed a growing world population?

Moderator: **Lisa Palmer**, Journalist and Fellow, National Socio-Environmental Synthesis Center

Speakers:

Robert Engelman, Senior Fellow, Environment and Society Program, Worldwatch Institute

Jeffrey Hayward, Director, Climate Program, Rainforest Alliance

Holger Kray, Lead Agriculture Economist, Agriculture Global Practice, The World Bank

Meera Subramanian, Independent Journalist and Author, "A River Runs Again: India's Natural World in Crisis, from the Barren Cliffs of Rajasthan to the Farmlands of Karnataka"

Image courtesy of Brent Fuchs



FOOD AND AGRICULTURE

ECOSYSTEM-BASED STRATEGIES FOR CLIMATE CHANGE ADAPTATION ON U.S. FARMS AND RANCHES

Location: *Boomer A*

Ecosystem-based climate change adaptation strategies take advantage of the climate protection services produced by healthy ecosystems. For example, healthy agricultural soils sequester carbon, reduce the need for irrigation, fertilizers and pesticides, and help to reduce flooding. The benefits of ecosystem-based adaptation are widely recognized by the international development community, but have received less attention in the United States where engineered strategies have dominated adaptation research and development efforts. This panel brings together representatives of the federal government, agricultural industry and educational organizations who are working to encourage the use of ecosystem-based climate risk management tools for U.S. farms and ranches.

Moderator: **Laura Lengnick**, Lead Scientist, Cultivating Resilience, LLC; Lead Author, "Climate Change and U.S. Agriculture: Effects and Adaptation" (USDA 2012); and Author, "Resilient Agriculture: Cultivating Food Systems for a Changing Climate"

Speakers:

Kim Barker, Rancher and Holistic Management Practitioner and Educator

Jerry Hatfield, Plant Physiologist; Director, National Laboratory for Agriculture and the Environment (NLAE); and Regional Leader, Midwest USDA Climate Hub, NLAE, Agricultural Research Service, U.S. Department of Agriculture

Ernie Shea, President, Solutions from the Land

COFFEE BREAK WITH EXHIBITORS

10:15 - 10:45 a.m.

Location: *Oklahoma Ballroom*

CONCURRENT SESSIONS 4

10:45 a.m. - Noon

Image courtesy of Freeimages.com



THE CRAFT

SHOW US THE MONEY

Location: University B

The panel will dissect how increased money in politics is influencing energy and environment policy from the oil boom to climate change. Last election, the battle came down to the Koch brothers versus Tom Steyer. How will high-powered donors and fundraising quotas influence the positions of 2016 presidential candidates on natural gas, coal, renewables, curbing greenhouse gas emissions and more? What energy and environment issues will shape battleground Senate races? And how can reporters better cover the money trail influencing local and national policies?

Moderator: Laura Barron-Lopez, Congress Reporter, The Huffington Post

Speakers:

Edwin Bender, Executive Director, National Institute on Money in State Politics

Russ Choma, Reporter, Washington Bureau, *Mother Jones*

Keith Gaddie, President's Associates Presidential Professor; Chair, Department of Political Science; Associate Director, Center for Intelligence & National Security, University of Oklahoma



Image courtesy of iStock

ENERGY

GET ON THE OIL TRAIN (OR PIPELINE): POLICIES AND FUTURE

Location: University C

Pick your poison? Tough choices exist in the path of the domestic energy boom. Communities across the country face environmental challenges from unit trains carrying highly combustible crude oil; aging oil and natural gas pipelines are prone to rupture; and new pipelines are proposed to transport shale gas to market. The panel will talk about the hazards to the public and environment; the policy tradeoffs of pipelines vs. rail and natural gas vs. coal; and the market forces that make pipelines and oil trains big news in your media market.

Moderator: Michael Martz, Staff Writer, *Richmond Times-Dispatch*

Speakers:

Jessica McDiarmid, Freelance Journalist

James Osborne, Energy Reporter, *The Dallas Morning News*

Lorne Stockman, Research Director, Oil Change International

SATURDAY OCTOBER 10, 2015

Image courtesy of Sebastian Pothe



WATER

TROUBLE AT THE TAP: BEYOND THE TOLEDO WATER CRISIS

Location: *Oklahoma G*

Western Lake Erie algae got so thick in August of 2014 that the toxin produced by it, microcystin, breached Toledo's water-treatment system. It made tap water unsafe for nearly three days, a stunner for a metro area of nearly 500,000 people along one of the world's largest collections of fresh water. Bottled water flew off store shelves, Toledo became a temporary site for Ohio National Guard relief efforts and, later, a poster child for U.S. EPA Administrator Gina McCarthy's speeches on water quality. But Lake Erie's dominant species of algae is 3.5 billion years old — one of the oldest living things on Earth — and on the rise globally — from Europe to Africa to Asia and all across North America — because of the common problems of agricultural runoff, sewage overflows, poor land use and — oh, yeah — climate change. What happens when an algae-induced crisis strikes fear in your community?

Moderator: **Tom Henry**, Environmental Writer/Columnist, *The (Toledo) Blade*

Speakers:

Craig Butler, Director, Ohio Environmental Protection Agency

Kelly Frey, Sanitary Engineer, Ottawa County, Ohio

Greg Kail, Director of Communications, American Water Works Association

Jeffrey Reutter, Special Advisor, Ohio Sea Grant College Program, F.T. Stone Laboratory, Center for Lake Erie Area Research and the Great Lakes Aquatic Ecosystem Research Consortium, Ohio State University

Frank Szollosi, Manager, Great Lakes Regional Outreach, National Wildlife Federation

Image courtesy of Robert Linder



NATIVE AMERICANS AND DIVERSITY

INDIAN ENVIRONMENTAL LAW: FLEXING LEGAL MUSCLE BEYOND RESERVATION LANDS

Location: *Sooner B*

American Indian tribes are no longer acting solely as stewards and protectors of their own lands. In recent years, Native Nations and Indian activists have combined environmental law with Indian law to win protections that benefit people far beyond Indian Country boundaries. We will examine how tribes are using effective legal strategies to reduce environmental threats from industrial pollution, uranium mines and superfund sites, and will look at how tribes are invoking treaty rights to water for the protection of aquifers and surface water sources. In some cases, tribes have managed to break through legal log-jams to put environmental protections in place that are contributing to healthier communities across broad regions. If this session interests you, we recommend you first attend Friday mornings' "Indians 101: The Law and the Land."

Moderator: **Vicki Monks**, Freelance Writer

Speakers:

Jason Aamodt, Professor of International Environmental Law and Water Law; and Assistant Dean of Online Legal Education, College of Law, University of Tulsa

Taiawagi Helton, Attorney and Professor, College of Law, University of Oklahoma

Duane Smith, Chickasaw Nation Water Consultant and former Executive Director, Oklahoma Water Resources Board

Debra White Plume, Lakota Activist and Consulting Producer, "Crying Earth Rise Up"

Image courtesy of Luca Biagotti



CLIMATE CHANGE AND WEATHER
FROM D.C. TO PARIS: CLIMATE TALKS 101
Location: Sooner A

Two months after SEJ meets in October, hundreds of negotiators from around the world will descend on Paris to hammer out a new climate accord. This will be one of the biggest environment stories of 2015, as it's viewed as the last chance to avert global warming of significantly greater than 2 degrees Celsius (3.6 degrees Fahrenheit) above preindustrial levels. What do you need to know to write with authority? What themes in U.S. policy can we expect going forward? Hear from one of the nation's leading climate reporters on the road ahead and gain insights on international negotiations from a veteran who sits at the table and works to influence policy.

Moderator: **Andrew Freedman**, Science Editor, Mashable

Speaker:

Jennifer Morgan, Global Director, Climate Program, World Resources Institute

Image courtesy of Magnus Manske



THE LAND
PLIGHT OF WESTERN GROUSES: TRYING TO BE WILD
IN AN INCREASINGLY TAMED WORLD
Location: Boomer B

The debate over species conservation has recently centered on an unassuming chubby little grouse with a famously elaborate mating dance. Residing in the southern Great Plains states, the lesser prairie chicken was listed as threatened under the Endangered Species Act in March of last year. Energy interests, development companies, federal agencies, environmental NGOs and conservation bankers have been debating the best approach to protect this species. The greater sage-grouse is also embroiled in this running argument. The grouse is not yet listed despite a 30% population decrease, but a decision is expected shortly from the U.S. Fish and Wildlife Service.

Moderator: **Gloria Gonzalez**, Senior Editor, Crain Communications and former News Editor, Ecosystem Marketplace

Speakers:

Eric Holst, Senior Director, Working Lands Program, Environmental Defense Fund

Sean Kyle, Industry Services Director, Western Association of Fish and Wildlife Agencies

Mike Thabault, Assistant Regional Director for Ecological Services, U.S. Fish and Wildlife Service

4th speaker TBA

SATURDAY OCTOBER 10, 2015

CONCURRENT SESSIONS CONTINUED

10:45 a.m. - Noon

Image courtesy of Maxime Perron Calisy



FOOD AND AGRICULTURE

SOIL TILLAGE, RAINFALL AND RUNOFF

Location: *Boomer A*

Do water quality issues have you curious about agricultural runoff? This workshop uses a rain simulation test to show how water runs off fields under different tillage or land-management scenarios. If the weather is nice, we may plan on moving this workshop outdoors.

Moderator: **Chris Clayton**, Agriculture Policy Editor, DTN/*The Progressive Farmer*

Speakers:

Shanon Phillips, Director, Water Quality Division, Oklahoma Conservation Commission

Clay Pope, Consultant, Southern Plains Climate Hub, U.S. Department of Agriculture; former Executive Director, Oklahoma Association of Conservation Districts; and former Oklahoma State Senator

Greg Scott, Soil Scientist, Carbon/Soil Health Program, Oklahoma Conservation Commission and former Oklahoma State Soil Scientist, Natural Resources Conservation Service, U.S. Department of Agriculture

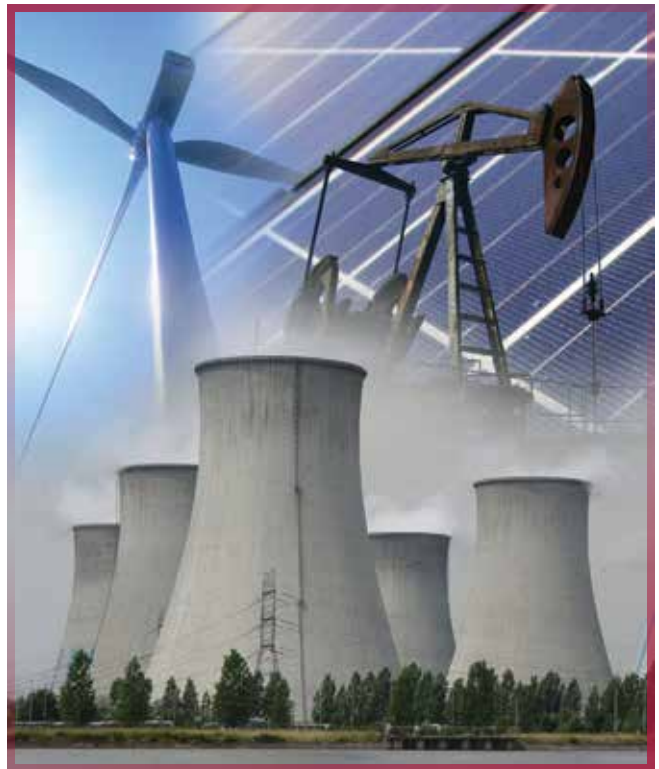


Image courtesy of Paul Davison, Neville Miccalef, Griszka Niewiadomski and Dora Pete

LUNCH AND PLENARY SESSION

OUR ENERGY FUTURE

Noon - 2:00 p.m.

Location: *Oklahoma Ballroom*

Oklahoma is a microcosm of energy rights and energy fights across the nation. Utilities are eager to add more renewable energy, but struggle with transmission power. They're also grappling with the EPA's proposed Clean Power Plan, which might make coal-fired plants uneconomical. The state is home to several independent oil and gas drillers, known for pioneering horizontal drilling and hydraulic fracturing methods that have fueled the recent boom. As towns push back on the industry's right to drill in or near city limits, states are considering preempting the municipal bans. We'll explore Oklahoma as both a microcosm and a driver of energy use nationally with experts from all sectors.

Moderator: **Erin Ailworth**, Energy Reporter (Houston-based), *The Wall Street Journal*

Speakers:

Denise Bode, Attorney and Principal, Cornerstone Government Affairs

Kyle Isakower, Vice President, Regulatory and Economic Policy, American Petroleum Institute

3rd speaker TBA

4th speaker TBA

MINI-TOUR BONANZA

2:15 - 5:30 p.m.

Sign up at the SEJ Information Table beginning Wednesday afternoon for SEJ's popular mini-tours. Options this year include: Residential wind power; Neighborhood Science; Oklahoma City National Memorial; OU research labs and the National Weather Center.

Following the lunch session, gather in the lobby near registration. SEJ staff will direct you to the right bus. Buses will return to the hotel about 5:30 p.m. Check your Mini-tour Flyer for details.

SOCIETY OF ENVIRONMENTAL JOURNALISTS 25TH ANNIVERSARY AND DINNER PARTY

6:30 - 11:00 p.m.

Board buses beginning at 6:15 p.m. outside the doors near registration. Shuttles will make continuous loops between the Embassy Suites and the Sam Noble Oklahoma Museum of Natural History, with the final shuttle leaving for the hotel at 11:00 p.m.



Join us for an evening of music and dancing, cocktails and a full sit-down dinner, and celebrations with SEJ's founding members at the Sam Noble Oklahoma Museum of Natural History. Curators will be on hand to lead small groups through

exclusive behind-the-scenes tours, and we'll have the full run of the exhibits, including the Hall of Ancient Life, the Hall of Natural Wonders and the Hall of the People of Oklahoma.

Our band, Kyle Reid & The Low Swinging Chariots, is hard to pigeon-hole... a one-of-a-kind combo of New Orleans-style jazz and Western swing with some unique instruments.

Pre-registration and \$40 fee required. If you haven't preregistered, there may still be tickets available. Please check at registration and join in the fun.

Sunday, October 11, 2015



Image courtesy of Lionel Titu

CAN FAITH SAVE THE WORLD?

7:30 - 8:30 a.m.

Location: Embassy Suites breakfast area

Before heading to the National Weather Center, we'll have breakfast at the hotel.

For decades, scientists have warned about the harms of climate change and little has been done. Now it's time to see if the word of God can make a difference. From Pope Francis' environmental encyclical to evangelical Christian climate scientists talking about creation care, the faith community is showing that global warming is no longer just an issue of science and politics. Will it work? An informal Sunday morning (when better?) chat about the interplay of faith, science, the environment and journalism. Worth getting up for even if you don't normally attend religious services.

Moderator: **Seth Borenstein**, Science Writer, The Associated Press

Speakers:

Katharine Hayhoe, Director, Climate Science Center, Texas Tech University and Co-Author, "A Climate for Change: Global Warming Facts for Faith-Based Decisions"

Joan Rosenhauer, Executive Vice President, US Operations, Catholic Relief Services

Image courtesy of Nicholas Benson



TOURS AND BRUNCH

AT THE NATIONAL WEATHER CENTER

The National Weather Center, with 550 people housed in its five-story, high-tech facility, is a world leader on extreme weather research and education. We'll tour the Storm Prediction Center, which predicts severe weather across the continental U.S., and the National Severe Storms Laboratory, and other features. Then we'll have brunch with authors and discuss the environmental history of water, drought and the Great Plains. Pre-registration and \$25 fee required.

SHUTTLES TO THE NATIONAL WEATHER CENTER

Board buses at 8:30 a.m. just outside the registration area. If you plan to go directly to the airport following the events at the National Weather Center, be sure to board the bus marked AIRPORT.



TOURS OF THE NATIONAL WEATHER CENTER

9:00 - 10:30 a.m.

The National Weather Center houses a unique confederation of University of Oklahoma, National Oceanic and Atmospheric Administration and state organizations that work in partnership to improve understanding of events occurring in Earth's atmosphere. The tour includes visits to the Storm Prediction Center, National Weather Service Norman Forecast Office and the National Severe Storms Laboratory. View the entire University of Oklahoma campus from the Observation Deck at the top of the building, see instrumentation on the rooftop classroom, get up close and personal with mobile laboratories and radar trucks, and witness real-time weather data on the Science on a Sphere global display system and Weather Wall.

BOOK AUTHORS' BRUNCH

CLIMATE LIT AND LESSONS FROM THE GREAT PLAINS

10:30 a.m. - Noon

The Great Plains have inspired some of America's best storytelling, from the wrenching accounts of pioneering homesteaders, to the dispatches of young journalist Stephen Crane covering the "terrible and inscrutable wrath" of drought, to the parables of indigenous people for survival in harsh lands. This year's author panel will explore the environmental literature and oral traditions of water and climate on the Great Plains — and what these narratives tell us about human nature and adaptation to water scarcity and climate change.

Moderator: **Cynthia Barnett**, Journalist and Author, "Mirage," "Blue Revolution" and "Rain"

Speakers:

Sterling Evans, Author and Professor of History, University of Oklahoma

Bruce Johansen, Author and Professor of Communication and Native American Studies, University of Nebraska at Omaha

Daniel Wildcat, Author and Professor, College of Arts & Sciences, Haskell Indian Nations University

CONFERENCE ADJOURNS AT NOON.

Buses will return attendees to either the hotel or airport, with airport arrival by 1:00 p.m.



The Society of Environmental Journalists is grateful to all whose personal efforts and financial support made SEJ's 25th Annual Conference possible.

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Ed Kelley, Dean, 2015 – 2016, Gaylord College of Journalism and Mass Communication

Chris Maxon, Director of Development and External Affairs, OU College of Atmospheric and Geographic Sciences

Renee McPherson, Co-Director, South Central Climate Science Center

John Schmeltzer, Engleman/Livermore Professor in Community Journalism

Jana Smith, Director, Strategic Communications for R&D

Kim Winton, Director, South Central Climate Science Center, U.S. Geological Survey, U.S. Department of the Interior

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Lonnie Johnson, Jr., Instructor and Acting Chair, Department of Communication

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SEJ could not have produced this conference without generous contributions of time from the many volunteers who are serving as session organizers, multimedia crew, moderators, tour leaders and on-site volunteers.

Especially to Joni Brooks, Lonnie Johnson, Jr., Lenzy Krehbiel-Burton, Mary Mélon, Vicki Monks, Talli Nauman, Dave Poulson, Carylon Ross, Ted Streuli and Kim Winton.

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2015 AWARDS FOR REPORTING ON ENVIRONMENT

Co-Chairs:

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Thanks to all of our committee members and judges for SEJ's 2015 Awards Program.

See www.sej.org for complete list of winners.

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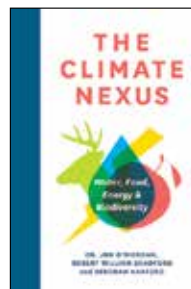


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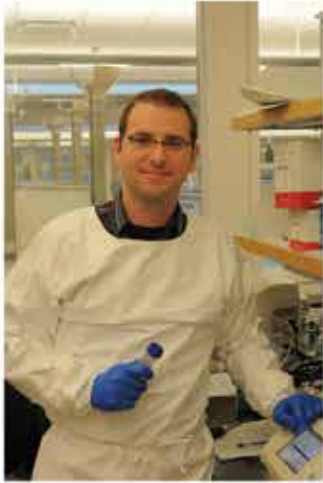
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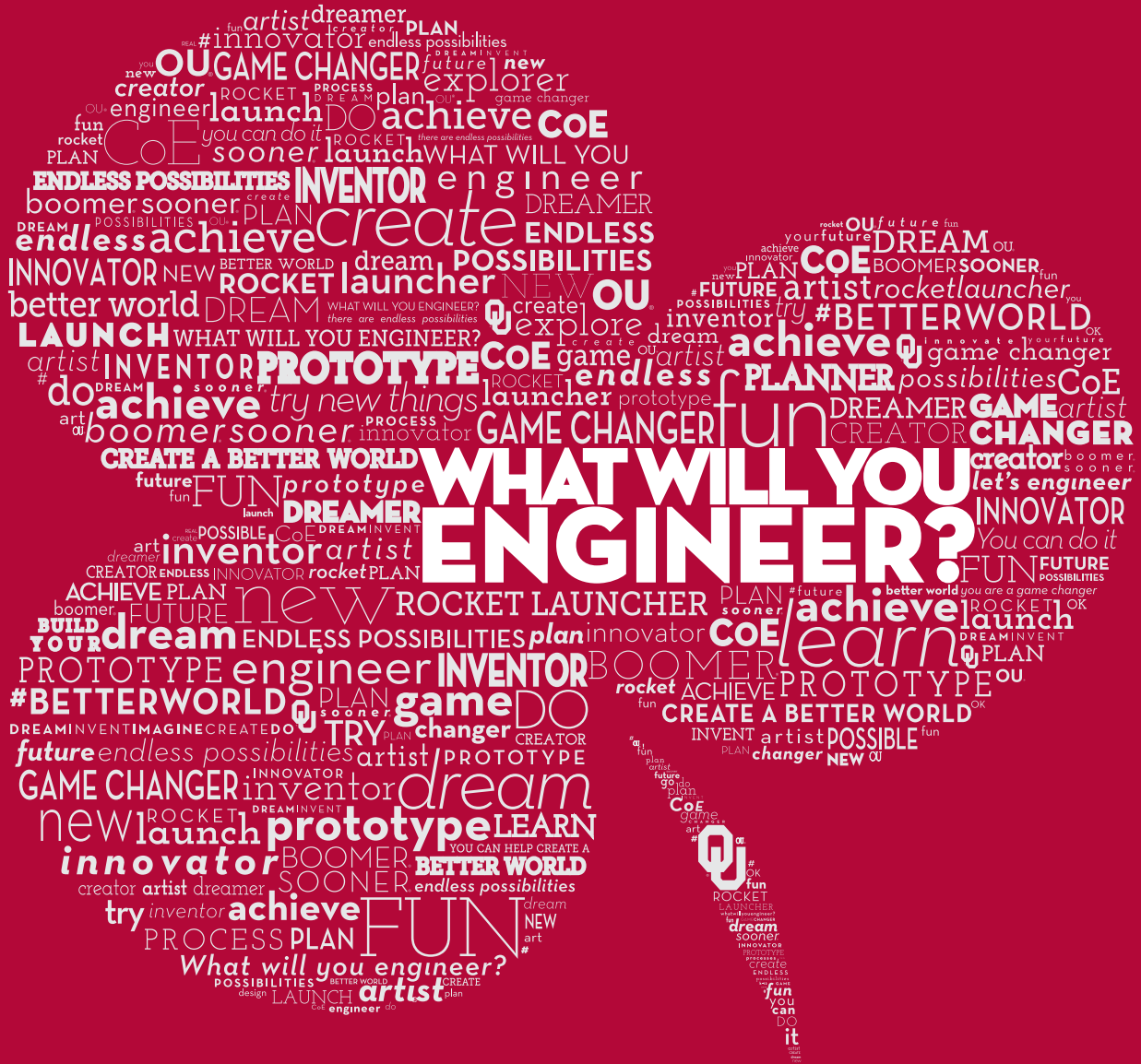
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1st Place: “Big Oil, Bad Air” by a team of reporters from InsideClimate News, The Center for Public Integrity and The Weather Channel

2nd Place: “Mining Misery” by Rakteem Katakey, Rajesh Kumar Singh and Tom Lasseter, Bloomberg News

3rd Place: “Deadly DuPont Leak” by Lise Olsen, Mark Collette and Karen Chen, *Houston Chronicle*

Honorable Mention: “Broken Water System” by Garance Burke and Jason Dearen, The Associated Press

Honorable Mention: “Politics of Poison” by David Heath and Rebecca Williams, The Center for Public Integrity, Reveal from the Center for Investigative Reporting and PRX, and Michigan Radio

Kevin Carmody Award for Outstanding In-depth Reporting, Small Market

1st Place: “Oil Trains in Oregon” by Rob Davis, *The Oregonian/OregonLive*

2nd Place: “Up In Flames” by John Tedesco, Jennifer Hiller, Joseph Kokenge, Kim Man Hui and Mike Fisher, *San Antonio Express - News*

3rd Place: “How Cancer Came to the Acreage” by Sharon Lerner, *The Nation*

Outstanding Beat Reporting, Large Market

1st Place: “History, Technology, Politics and Impact of Solar Power” by Peter Fairley, *MIT Technology Review*, *IEEE Spectrum*

2nd Place: “New Voices, New Angles — Attempts to Broaden Coverage on the Climate Crisis” by Jason Margolis, PRI’s The World

3rd Place: “Long Island Environmental Coverage” by Jennifer Barrios, *Newsday*

Outstanding Beat Reporting, Small Market

1st Place: “Reporting on Oregon’s Environment” by Rob Davis, *The Oregonian/OregonLive*

2nd Place: “Beat Reporting in Maryland” by Tim Wheeler, *The Baltimore Sun/baltimoresun.com*

3rd Place: “Texas Beat Reporting” by Asher Price, *Austin American-Statesman*

HM: “Wildfire and Drought in California” by Amy Quinton, Capital Public Radio

HM: “Energy Reporting” by Reid Frazier, The Allegheny Front, WESA, WPSU, WQLN

Outstanding Feature Reporting

1st Place: “Galapagos” by Tim Howard, Radiolab

2nd Place: “Meltdown: Terror at the Top of the World” by Sabrina Shankman, InsideClimate News

3rd Place: “Losing Ground” by Bob Marshall, Brian Jacobs and Al Shaw, ProPublica, The Lens

HM: “Broken Landscape: Confronting India’s Water-Energy Choke Point” by Sean Peoples, Michael Miller, Jennifer Turner and Keith Schneider, New Security Beat, Circle of Blue

HM: “How We Can Tame Overlooked Wild Plants to Feed the World” by Hillary Rosner, *Wired*

Outstanding Environmental Photojournalism

1st Place: “Coal’s Visible Impacts” by Robb Kendrick, *National Geographic*

2nd Place: “California Goes Nuts” by Matt Black, *Mother Jones/MotherJones.com*

3rd Place: “Feeding 9 Billion - The Farmers Who Will Grow Our Food” by Jim Richardson, *National Geographic*

HM: “Energy in the American West” by Jamey Stillings, *Time Magazine’s* “See the World’s Largest Solar Plants from Above”

HM: “Oil Spill in the Sundarbans” by Arati Kumar-Rao, LiveMint.com, Maptia, qz.com

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1st Place: “Untamed: The Wildest Woman in America and the Fight for Cumberland Island” by Will Harlan

HM: “Windfall: The Booming Business of Global Warming” by McKenzie Funk

HM: “The Reef: A Passionate History” by Iain McCalman



Earth's Stewards.

Scrap recycling protects the earth's air, water, and land by:

- Reducing pollution and greenhouse gas emissions
- Reducing energy consumption
- Conserving the earth's natural resources

On average, 135 million metric tons of materials avoid the landfill and are recycled to produce new goods every year.

For more information visit www.isri.org.





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