

WRMU Issues/Programs List

Alliance, Ohio 44601

April 3, 2018

Issue: Public Affairs Issues

Discussion of the Issue:

Many area residents do not have a radio outlet for national and international events and issues. WRMU provides programming for people who may be interested in these issues. WRMU believes the community should be aware of world issues that are not covered in the local media.

Programming:

- A. The Media project – Thursdays @ 7:00 p.m.- 30 minute weekly program discussing issues in the media. (See attached program and issues list)
- B. Music and the Spoken Word Sundays at 8:30am - 30 minute weekly program the offers music and religious commentary.
- C. Earthwise- Mondays at 830am and Wednesdays at 12:30pm- 2-minute segment that looks at our changing environment - from green business and new environmental legislation to how nature impacts our environment in ways never before considered. (See attached program and issues list)
- D. Academic Minute-Tuesdays at 12:30pm and Thursdays at 830am-2:30 segment. Discusses the latest in academic research from colleges and universities around the world (See attached program and issues list)
- E. Current Cast-Mondays at 12:30pm-1 minute segment highlights the importance of water stewardship and sustainability in the Great Lakes and surrounding watersheds.

Issue: Various issues of Public Concern

Discussion of the Issue:

There are many issues effecting society and through public service announcements WRMU can inform the public about these issues. WRMU provides an outlet for these local announcements that benefit the community.

Programming:

Scheduled local public services announcements throughout the day. (At least 1 per hour.)

- A. Public Relations Society of America
- B. Arts in Stark
- C. McKinley Museum
- D. Rodman Library
- E. SARTA
- F. Akron Canton Regional Foodbank
- G. American Red Cross
- H. Beech Creek Gardens
- I. Black Student Union
- J. Canton Museum of Art
- K. Mount Union Career Development Office
- L. Multiple Sclerosis Support Group
- M. United Way of Greater Stark County
- N. Canton Student Loan Foundation
- O. Early Childhood Resource Center

P. Lil Lambs Closet

Programming:

WRMU airs two pre-recorded PSAs per hour on relevant issues to the public.

- A. Hunger Prevention
- B. Stroke Prevention
- C. Seatbelt Safety
- D. Meals on Wheels
- E. Grads of Life
- F. Buzzed Driving Prevention
- G. Prescription Drug Prevention
- H. Binge drinking Prevention
- I. Wildfire Prevention
- J. Emergency Preparedness
- K. Stress Management
- L. Adoption
- M. Elder Care
- N. Reducing Food Waste
- O. Discovering Nature
- P. Fatherhood Involvement
- Q. Texting and Driving Prevention
- R. Financial Awareness
- S. Pathways to Employment
- T. Seatbelt Safety
- U. Caregiver Assistance
- V. High Blood Pressure Control
- W. Learning Attention Issues
- X. Teacher Recruitment
- Y. Autism Awareness
- Z. OHSAA
- AA. Selective Service
- BB. Bullying
- CC.

Issue: Religious/Community Issues

Discussion of the Issue:

There are many residents who do not have the opportunity to hear local programming. In this case it is a local church program. Shut-ins also cannot make it to church. Community members hear about local events going on in the announcements part of the service and local issues through the sermons.

Programming:

Sundays @ 8:00 am - Sebring Presbyterian Church program. This program is pre-recorded from the Sebring church, providing local information about Sebring.

Issue: Religious/Community Issues

Discussion of the Issue:

There are many residents who do not have the opportunity to hear local programming. In this case it is a local gospel music program. Shut-ins also cannot make it to church sometimes. There are not many outlets for programs in the local African-American community. This weekly program provides that outlet.

Programming:

- A. Alex Smith’s Spiritual Hour Every Sunday 9:00am to 11:00pm
This two-hour gospel music program provides local information about residents in the community. Prayers, readings and music are broadcast as part of the program. Community events and issues are announced weekly.

Issue: Religious Issues/Community Issues

Discussion of the Issue:

Alliance is located near a major retirement and nursing home center in Sebring, Ohio. Many of these people cannot make it to church. WRMU provides religious programming for shut-ins and those who cannot make it to church. Local announcements and activities for the community are provided each week. Listeners also learn about local issues for the Alliance community and church in the sermons each week.

Programming:

- A. Union Ave. Methodist Church Service Every Sunday at 11:00am to 12:00pm
Live broadcast of local church service.

Issue: Religious Issues/Community Issues

Discussion of the Issue:

There are many residents who do not have the opportunity to hear local programming. In this case, it is a family-centered program with religious principles

Programming:

- A. Family Matters Program from Spirit of Faith Christian Center Every Sunday at 7:30am and Noon
15-25 minute program focusing on family issues backed by religious principles

Issue: Public Affairs Issues

Discussion of the Issue:

In an effort to keep the community aware of events in the area WRMU provides hourly newscasts

Programming:

Hourly newscasts weekdays

Issue: Public Affairs Issues: The Media Project Program List

Date	Time	Show #	Topic
1/1/2018	25:00	1387	With WAMC’s CEO Alan Chartock, Albany Times Union Editor Rex Smith, Cailin Brown, Chair of the Department of Communication at the College of St. Rose, and Publisher Emeritus of The Daily Freeman Ira Fusfeld. On this week’s Media Project, Alan, Rex, Cailin and Ira discuss President Donald Trump’s war vs. the media one-year in, the role of the editor in the newsroom, sports writing, and balance between the right and the left in the media.
1/7/2018	25:00	1388	With WAMC’s CEO Alan Chartock, Albany Times Union Editor Rex Smith, Judy Patrick, Editor of the Daily Gazette, and Daily Freeman Publisher Emeritus Ira Fusfeld. On this week’s Media Project, Alan, Rex, Judy and Ira talk about a listener letter about defending good journalism, the President’s treatment of the press, the new book Fire and Fury by Michael Wolff on Donald Trump, Steve

			Bannon and the inside workings of the White House.
1/14/2018	25:00	1389	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Cailin Brown, Chair of the Department of Communication at the College of St. Rose. On this week's Media Project, Alan, Rex, and Caitlin talk about a study that finds local TV news watching is declining, President Trump calls for tougher libel laws, the Jake Tapper Stephen Miller interview, and much more.
1/21/2018	25:00	1390	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Cailin Brown, Chair of the Department of Communication at the College of St. Rose. On this week's Media Project, Alan, Rex, Ira and Caitlin talk about a listener letter about whether media corporations can own college newspapers, how the media handled using the word s**hole on the air and in print after President Trump uttered it to describe Haiti and other countries, President Trump releases his Fake Media Awards, and much more.
1/28/2018	25:00	1391	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Cailin Brown, Chair of the Department of Communication at the College of St. Rose. On this week's Media Project, Alan, Rex, Ira and Cailin talk about a listener letter about journalism and providing context, a political candidate files a defamation lawsuit against the Berkshire Eagle, whether they should stop using the phrase fake news, and much more.
2/4/2018	25:00	1392	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Daily Gazette Editor Judy Patrick. On this week's Media Project, Alan, Rex and Judy talk about Judy's decision to change careers, how newspapers have changed over the years, whether the President has taken over the news cycle, and much more.
2/11/2018	25:00	1393	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Dr. Cailin Brown from The College of St. Rose. On this week's Media Project, Alan, Rex and Cailin talk about a study on how hard it is to be a journalist and a mom at the same time, covering the stock market fluctuations, what's been happening at the Los Angeles Times, and much more.
2/18/2018	25:00	1394	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Daily Gazette Editor Judy Patrick. On this week's Media Project, Alan, Rex and Judy talk about media coverage of the school shooting in Parkland, Florida that killed 17, some newspapers waded into opinion on their front pages over the school shooting, how far should journalists go in trying to keep news coverage fair, and much more.
2/25/2018	25:00	1395	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, and Dr. Cailin Brown from The College of St. Rose. On this week's Media Project, Alan, Rex and Cailin talk about Jeopardy host Alex Trebek moderating a debate, the dangers of media labeling children 'crisis actors,' and a listener letter.
3/4/2018	25:00	1396	with Albany Times Union Editor Rex Smith, Former WNYT News Director and St. Rose Professor Paul Conti, Berkshire Eagle Reporter Jennifer Smith, and Former Daily Freeman Publisher Ira Fusfeld. On this week's Media Project, Rex, Paul, Jenn and Ira talk about Hope Hicks resigns after testimony saying she told "white lies" in her role in the Trump Administration, how fake news websites use real photos to bolster untruths, what journalists can learn from the Parkland teens, and much more.
3/11/2018	25:00	1397	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, Daily Gazette Editor Judy Patrick and WAMC News Director Ian Pickus. On this week's Media Project Alan, Rex, Judy and Ian talk about a listener letter about the future of USA Today in print, how newspapers count circulation numbers, the changing nature of journalism, attracting young people and the new "content creators."
3/18/2018	25:00	1398	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, Daily Gazette Editor Judy Patrick, and Dr. Cailin Brown, Chair of the Department of Communication at the College of St. Rose. On this week's Media Project Alan,

			Rex, Judy and Cailin talk about a listener letter from Rosemary Armao about the dangers of Freedom of Information Law (FOIL) requests to foreign investigative journalists, TV economist Larry Kudlow to become President Trump's chief economic adviser, CNN's Chris Cuomo being moved to prime time and the implication if his brother, New York Governor Andrew Cuomo, eventually runs for President in 2020.
3/25/2018	25:00	1399	With WAMC's CEO Alan Chartock, Albany Times Union Editor Rex Smith, Daily Gazette Editor Judy Patrick, and Daily Freeman Publisher Emeritus Ira Fusfeld. On this week's Media Project Alan, Rex, Judy and Ira talk about a Fox News analyst who blasted the network as a 'propaganda machine' while announcing his departure, Fox News' Sean Hannity, MSNBC's Rachel Maddow and CNN's Chris Cuomo are about to face off at 9 p.m., Poynter receives \$3 million from Google to lead program teaching teens to tell fact from fiction online, the problem with news aggregators and more.

Issue: Public Affairs Issues: The Academic Minute Program List

Week of: 1/1/2018 *Ray Raymond – SUNY Ulster*

The U.S. and U.K.'s Special Partnership

Dr. Ray Raymond is a former British diplomat who held a Post-Doctoral Fellowship at Yale University in American History. He is Associate Professor of Government and History at SUNY Ulster and also teaches government and politics at the United States Military Academy, West Point. In addition, Dr. Raymond is a regular visiting lecturer at the US Air Force Academy and Fellow of the Pell Center for International Relations and Public Policy. He is currently working on a new biography of John Jay as well as a collective biography of five recipients of West Point's Ninninger Medal, the Academy's equivalent of the Medal of Honor. Dr. Raymond has been honored by Her Majesty Queen Elizabeth II and by the Chief of Staff of the United States Army for his contribution to the development of the academic program at West Point.

Week of: 1/7/2018 *Naja Ferjan Ramirez – University of Washington*

Building Bilingual Brains

Naja Ferjan Ramirez, Ph. D., is a Research Scientist at the Institute for Learning & Brain Sciences (I-LABS) at the University of Washington. Naja earned her Bachelor's degree in Neuroscience from Brown University and her Ph.D. in Linguistics and Cognitive Science from the University of California, San Diego. Her research broadly focuses on understanding language acquisition in populations from various linguistic backgrounds. Naja conducts brain (magnetoencephalography) and intervention studies with babies who are simultaneously acquiring two languages. She is also a mother of two young children who are learning three languages (Slovene, Spanish, and English).

Week of: 1/14/2018 *Pankaj Karande – Rensselaer Polytechnic Institute*

Engineering Living Tissue for Transplantation

Prof. Karande joined the Chemical and Biological Engineering Department at Rensselaer in 2008. Before joining Rensselaer, Prof. Karande was a postdoctoral scholar in the Chemical Engineering Department and Center for Cancer Research at Massachusetts Institute of Technology. He obtained his Ph.D. from UC Santa Barbara in 2006 where his thesis work focused on the use of chemical enhancers for transdermal drug delivery. Prof. Karande has received numerous awards for his work including The Edison Award for best Product in Science and Medicine (2009), The Anna Fuller Fellowship in Molecular Oncology (2006-2007), Outstanding Pharmaceutical Paper by the Controlled Release Society (2005) and the Fionna Goodchild Award for Excellence in Undergraduate Mentoring (2004). Prof. Karande is an inventor on several patents in the area of Transdermal Formulation Discovery and Novel High Throughput Screening Platforms. He has served as scientific advisor to fqubed Inc., a soft materials innovation company (now part of Nuvo research).

Week of: 1/21/2018: *Austin Sarat – Amherst College*

Lying to Government Officials

Austin Sarat is Associate Dean of the Faculty and William Nelson Cromwell Professor of Jurisprudence and

Political Science at [Amherst College](#). Professor Sarat is a pioneering figure in the development of legal study in the liberal arts, of the humanistic study of law, and of the cultural study of law. He is also an internationally renowned scholar of capital punishment, specializing in efforts to understand its social, political, and cultural significance in the United States. He is author or editor of more than ninety books including *Law and Lies* and *Gruesome Spectacles: Botched Executions and America's Death Penalty*.

Week of: 1/28/2018 *Jenna Gallegos – Colorado State University*

[Cyberbiosecurity](#)

Jenna Gallegos is a postdoctoral researcher studying synthetic biology and cyberbiosecurity in Professor Jean Peccoud's lab at Colorado State University. Jenna got her PhD in plant biotechnology from the University of California in Davis where she studied gene expression in transgenic plants. An avid science communicator, Jenna regularly tweets, blogs, and writes about science for a general audience.

Week of: 2/4/2018 *Brett Hendrickson – Lafayette College*

[Latinos and the U.S. Catholic Church](#)

Brett Hendrickson is an associate professor of religious studies at Lafayette College, where he studies and teaches on religion in the Americas, Mexican American religion, healing, and cross-cultural religious change. He is especially interested in Latino popular religious devotions, the history of religion in the U.S. Southwest, religion and healing, and religion in public life. He is the author of *The Healing Power of the Santuario de Chimayó: America's Miraculous Church* and *Border Medicine: A Transcultural History of Mexican American Curanderismo*, both published by NYU Press in 2017 and 2014, respectively.

Week of: 2/11/2018 *Billy J. Stratton – University of Denver*

[Literature as Witness in Hollywood](#)

Dr. Billy J. Stratton is an associate professor in the Department of English where he teaches contemporary Native American/American literature, critical theory, film studies, and writing. He is a former Fulbright fellow to Germany whose criticism, fiction, commentary, and editorial work has appeared or is forthcoming in numerous books and journals including, *Arizona Quarterly*, *Cream City Review*, *Salon*, *The Journal of American Culture*, *The Independent*, *Wicazo-Sa Review*, *Common-place*, *Rhizomes*, *Big Muddy*, *The Los Angeles Review of Books*, and *TIME*. He is also the author of *Buried in Shades of Night: Contested Voices, Indian Captivity, and the Legacy of King Philip's War*, while being contributing editor to *The Fictions of Stephen Graham Jones: A Critical Companion*. He was born and raised in Eastern Kentucky and is currently at work on a fiction project on the social, historical, and environmental impacts of coal mining set in the region. He has been instrumental in efforts to create dialogue and historical understanding at the University of Denver around the issue of Sand Creek. Follow him @BillyJStratton.

Week of: 2/18/2018 *Sidsel Arnspang Pedersen – University of Southern Denmark*

[Hydrochlorothiazide Use and Risk of Non-Melanoma Skin Cancer](#)

I am a medical doctor, and at the moment writing a PhD thesis, dealing with the drug hydrochlorothiazide and increased risk of skin cancer. I have a special interest in photosensitizing drugs and their association to skin cancer. I work at University of Southern Denmark, at Department of Clinical Research associated to the pharmacoepidemiological group at Department of Neurology and Clinical Pharmacology and Pharmacy, Odense University Hospital in Denmark.

Week of: 2/25/2018 *Christine Blackburn – Texas A&M University*

[Weaknesses in the Global Supply Chain](#)

Dr. Blackburn received her PhD in 2015 from Washington State University as part of the Individual Interdisciplinary Doctoral Program. This program requires specialization in a minimum of three fields. Dr. Blackburn chose political science, communication, and veterinary clinical sciences/global animal health. For her doctoral work, she constructed a mathematical model that allows for quantified policy and communication inputs to determine how different disease intervention policies and communication strategies impact the spread of a disease outbreak. Following the completion of her doctoral degree, Dr. Blackburn worked as a

postdoctoral researcher in the Field Disease Investigation Unit in the College of Veterinary Medicine at Washington State University. During this appointment, she worked on a variety of projects, including seasonal prevalence of *E. coli* in dairy and beef cattle, health differences from feeding dairy calves milk replacer vs. real milk, and the impact of *Bifidobacterium* on the health development of dairy calves. Dr. Blackburn is currently a postdoctoral researcher with the Scowcroft Institute of International Affairs in the Bush School of Government and Public Service at Texas A&M, conducting research on various aspects of pandemic disease policy and control.

Week of: 3/4/2018 *Adam McLain – SUNY Polytechnic Institute*

[New Lemur Species Discovered](#)

Dr. Adam McLain received his Ph.D. in biology from Louisiana State University in 2013, and prior to this an M.A. in anthropology from Hunter College of the City University of New York and a B.A. from Virginia Tech. He studies evolutionary biology and applied population genetics, predominantly in primate species, exploring the relationships between species and within populations using a combination of field, wet-bench and computational methods. He was previously a postdoctoral researcher in the Conservation Genetics Department of Omaha's Henry Doorly Zoo, studying endangered primate populations in Madagascar. Dr. McLain teaches Introductory Biology, Evolution, and Phylogenetics.

Week of: 3/11/2018 *Jennifer LeMesurier – Colgate University*

[Knitting as Protest](#)

Jennifer Lin LeMesurier, an Assistant Professor of Writing and Rhetoric at Colgate University, received her PhD in English with a specialization in Language and Rhetoric from the University of Washington. Her areas of expertise include rhetorical theory, composition pedagogy, and performance studies. Her main research focuses on how embodiment and movement practices influence the creation and reception of rhetoric, and she is currently exploring how this intersects with innovations in translanguaging practices. Her work can be found in such publications as *College Composition and Communication*, *POROI*, *Rhetoric Review*, and *Rhetoric Society Quarterly*.

Week of: 3/18/2018 *Brent Plate – Hamilton College*

[The Erie Canal and the Birth of American Religion](#)

Brent Rodriguez-Plate's teaching and research explores how human sense perceptions affect ways of being religious, and how the operations of religious traditions impact our sensual encounters. Investigating the material cultures of religious traditions, Plate's work is interdisciplinary, moving between developments in cultural anthropology, art history, film studies, and cognitive science, along with religious studies. Book-length publications include *Blasphemy: Art that Offends* (2006), *Religion and Film* (Wallflower Press, 2008), *The Religion and Film Reader* (2007), and *A History of Religion in 5½ Objects* (2014). He is co-founder and managing editor of *Material Religion: The Journal of Objects, Art, and Belief*, and serves on the editorial boards of the *Journal of the AAR*, and others.

Week of: 3/25/2018 *Greg Hall – Case Western Reserve University*

[Tattoo Regret and Health Issues](#)

Dr Greg Hall, is a primary care physician practicing in Cleveland, Ohio for over 20 years. A product of Cleveland public schools, he attended Williams College and majored in psychology while taking pre-medical coursework. After graduation from Williams College with a bachelor's degree in psychology, and working summers as a research assistant at the Cleveland Clinic, he attended the Medical College of Ohio, and completed residency in Internal Medicine at the Cleveland Clinic Foundation.

Issue: Public Affairs Issues: Earthwise Program List

Week of: 1/1/2018 The residents of London are known for tea drinking, but in fact each of them consumes an average of 2.3 cups of coffee a day as well. But now, it won't just be commuters that are running on coffee in the morning. London buses will in part run on oil produced from coffee grounds.

Week of: 1/7/2018 The impacts of increased carbon dioxide and the changing climate are often complicated and, it turns out, not always negative. In some areas of the world, people can actually benefit from increased CO₂ and climate change. Barley, the most important feed crop for beef production in Alberta, Canada, as well as the province's beef industry itself actually stand to gain from the changes that are most assuredly not a good thing for much of the world.

Week of: 1/14/2018 Power plants have been the biggest source of greenhouse gas emissions in the United States for more than 40 years. But the ever-changing picture of electricity production has changed that situation. According to new data from the government's Energy Information Administration, transportation has now taken over the top spot.

Week of: 1/21/2018 Plug-in hybrid vehicles are ones that can run both on electricity provided by a power outlet as well as on gasoline. There are many of them on the market these days built by quite a few car makers. But these vehicles have an undeserved reputation as being the fig leaf of electric mobility. Many environmental organizations and political decision-makers don't consider them to be "real electric cars."

Week of: 1/28/2018 Large portions of the Midwest are called the Corn Belt and for good reason. Overall, about 90 million acres or 140,000 square miles of the United States are planted with corn and about half of that is in Iowa, Illinois, Nebraska and Minnesota. In most of the Corn Belt, the corn is planted in rotation with soybeans. Both are warm weather crops and the soil is left barren for nearly half of the year when the two crops are out of season.

Week of: 2/4/2018 There is a great deal of interest in developing cost-effective, energy-efficient and environmentally-friendly ways of producing hydrogen. If hydrogen-powered vehicles are to catch on, it is essential.

Week of: 2/11/2018 There are many scary stories floating about with regard to dire potential consequences of climate change, but one that should really strike fear into many of our hearts is the prediction from scientists at the National Oceanic and Atmospheric Administration that cacao plants are likely to go extinct as early as 2050 as a result of the changing climate.

Week of: 2/18/2018 Visionaries tout a future in which cars are electric, self-driving, and shared. All three of these things are starting to happen today, but will they come together to produce a future where congestion and pollution are things of the past?

Week of: 2/25/2018 Protecting biodiversity is a critical challenge facing humanity. Global vertebrate populations – from elephants to amphibians – declined by 58% from 1970 to 2012 and losses are expected to reach 67% in the next two years. Think about it: at least two-thirds of all vertebrate animals on earth have vanished over the lifetime of anyone fifty years old or over.

Week of: 3/4/2018 There is no shortage of dangers to honey bees, but a parasitic mite known as *Varroa destructor* is considered to be the greatest threat because it transmits virus diseases which lead to colony death.

Week of: 3/11/2018 Near-shore fish farms have created many environmental problems. Raising large numbers of fish creates concentrations of fish waste and sea lice, which can adversely impact near-shore ecosystems.

Week of: 3/18/2018 Air pollution in cities is a global problem that has reached crisis proportions in places like China and India. In our country, since the Clean Air Act was passed in 1970, there has been a great deal of effort exerted in controlling pollution from vehicles. A combination of pollution-limiting changes to engines, fuels, and pollution

Week of: 3/25/2018 There are millions of lakes on our planet. Many are quite large such as the Great Lakes in our country and Lake Victoria in Africa, but one-third of the world's standing water is contained in lakes and ponds of 25 acres or less. Many of these lakes are found in remote, often mountainous areas with

Issue: Public Affairs Issues: Current Cast Program List

Week of: 1/1/2018 We've Got Spirit, Yes We Do – for Saving Water!

Did ya hear the one about the wolf who helped college students save water? We did—and it's good. Listen up: One wolf, one mission to unite a campus community around water conservation. Loyola University's school mascot, Lu wolf, gave some teeth to the theory that group identity (social science speak for a shared sense of belonging) ...

Week of: 1/7/2018 From Vacant Lot to Rain Garden Plot

Why settle for a flood-prone eyesore, when you could instead turn that empty lot into a park-like urban oasis? Listen up: Syracuse, New York had a problem. Heavy rain events were overwhelming the water treatment system and shooting a mix of stormwater and sewage into a nearby lake that supplies the city's drinking water. But ...

Week of: 1/14/2018 Awesome Hotels Say Yes! to Saving Water

While many hotels are water hogs, WaterSense Hotels are checking-in for water savings. Listen up: You might be turning off the tap while you brush in your room—but chances are the hotel itself isn't as handy at saving water. "Hotels and other lodging businesses account for about 15 percent of the water used in commercial ...

Week of: 1/21/2018 A Flood of Surprising Info About Gravity

Using gravity to predict floods is a weighty topic. So when satellites that measure gravity have something to say, we listen: NASA satellites monitor changes in the earth's gravity field. Yes—gravity changes! So what does that have to do with flooding? JT Reager of the NASA Jet Propulsion Laboratory says shifting water masses play a ...

Week of: 1/28/2018 Invasion of the Bottom-Dwelling Gobies

Aggressive round goby fish are causing mayhem in the Great Lakes. Hook yourself up with the intel: There's trouble in the Great Lakes, and plenty of it's coming from a non-native, bottom-dwelling fish called the round goby. These fish hitched a ride in the ballast waters of ships and arrived in the lakes uninvited. This ...

Week of: 2/4/2018 When Sharing is Not Caring

Water water everywhere, but not a drop to spare say these 8 states: We've always been taught to share. But the eight Great Lakes states have a legal pact that limits the sharing of their most valuable resource: water. Molly Flanagan of the Alliance for the Great Lakes states, "Even though there's a lot of ...

Week of: 2/11/2018 Pennsylvania Rivers Painted a Rusty Orange

Why are so many of Pennsylvania's streams orange? Find out: Thousands of miles of Pennsylvania's waterways are painted a rusty orange color. The artist? Acid mine drainage. John Arway of the PA Fish and Boat Commission states "Acid mine drainage is a very insidious pollution problem, and it persists for a very, very long time." ...

Week of: 2/18/2018 Reducing Water Pollution One Field at a Time

Reducing runoff – one field at a time . . . Learn more: To keep agricultural runoff from polluting waterways, farmers can plant cover crops and use no-till farming. It used to be difficult and expensive to figure out which fields need these approaches the most. But Jon Winsten of the non-profit Winrock International says now ...

Week of: 2/25/2018 Holding the Invaders at Bay

On the lookout for invasive plants: When a new plant moves into a lake or stream, take note – it could be cause for concern. Sandra Keppner with the U.S. Fish and Wildlife Service says that rapidly spreading invasive plants like water chestnut and hydrilla are causing big problems for New York waters. "We see ...

Week of: 3/4/2018 Clean, Drain, and Dry

Boaters can help turn away unwanted hitchhikers. Here's how: Invasive plants and animals can wreak havoc on waterways, from making a shoreline less able to withstand flooding to harming fish. Boaters can help stop the spread of aquatic invasive species by cleaning plants and mud off their boats; then they should drain and dry out before ...

Week of: 3/11/2018 Why We Should All Swoon for the Common Loon

There's nothing common about common loons in the Great Lakes—listen up: An ode to the loon With their distinctive red eyes, black-and-white coloring and eerie call, the uncommon loon might be a better moniker for these wonderfully unusual birds. What else is cool about this aquatic migratory creature? Its solid bones make for champion diving, ...

Week of: 3/18/2018 The Wetlands' Devil in Disguise

A beautiful purple plant has some very ugly effects on many wetland ecosystems—listen up: What do you call a purple alien that's really tough to get rid of? Purple loosestrife... and it's no joke. First spotted in the Great Lakes region near Lake Ontario in 1869, this pretty but invasive purple flowering plant takes over wetland ...

Week of: 3/25/2018 Keyed Up About Clean Water

You may be properly caring for your car—but what about water quality? Listen up as we solve this clean water riddle: What does maintaining your car have to do with ducks in a pond? More than you might think, considering all those suds, chemicals, and oils often go down a storm drain—and end up in ...