
ISSUES AND PROGRAMS LIST

January 01, 2019 – March 31, 2019

KCTS 9 & KYVE 47

401 Mercer Street
Seattle, Washington 98109

Selected Issues:

A Region in Transition: Urban Development

Immigration and Refugees

Race and Social Justice Issues

Environment and Ecology

Tech and Science Innovation

A Region in Transition: Urban Development

Puget Sound is in the midst of a major transformation. Seattle alone added 21,000 new residents in 2016, an average of 57 each day, making it the fastest growing city in the country. What does this mean for the people who live here, and for those just arriving? What will this place look like 10 years from now? We will explore these questions throughout the year via written pieces, video and multimedia.

REINVENTORS: HOP ON A BIKE – AND LET A ROBOT DO THE REST #103

(03:49) Magazine (**Local**)

Fri, 02/01/2019 08:53PM

Sun, 02/24/2019 11:55AM

Fri, 03/01/2019 04:54PM

What does your future commute look like - will you be taking a self-driving car, a solo-wheel, the hyper-loop? What about a self-driving bike? Professor Tyler Folsom and his students at UW are spearheading a grassroots effort to test and develop lighter, more affordable, personal rapid transit: self-driving bikes.

IN CLOSE: The Teardown #1, #304

(03:42) Magazine (**Local**)

Tue, 03/19/2019 01:48PM

Wed, 03/27/2019 03:55PM

Sat, 03/30/2019 01:24AM

Thu, 03/21/2019 04:47PM

Thu, 03/28/2019 08:49PM

Sat, 03/30/2019 10:48PM

Fri, 03/22/2019 08:47PM

Fri, 03/29/2019 02:55PM

Sun, 03/31/2019 11:55PM

As Seattle's viaduct is razed, lives are changed. We tell the stories of those impacted.

Immigration and Refugees

Our region and country continue to be ever-more ethnically diverse. To foster an understanding and welcoming community we share the stories of the immigrant history past and present. A broad examination from news reports to personal stories connect the recent refugee crises around the globe to the impact in our communities. KCTS 9's Borders & Heritage is a committed series that looks at the region through the eyes of immigrants.

BORDERS & HERITAGE: Reina (Queen) #312

(04:43) Magazine (**Local**)

Thu, 01/17/2019 02:48PM

Seattle-based choreographer Alicia Mullikin is opening minds and challenging long-existing stereotypical notions of who can be a dancer.

BORDERS & HERITAGE: A Poet's Journey, from Immigrant to Poet Laureate #311

(04:19) Magazine (**Local**)

Fri, 01/25/2019 08:54PM

Fleeing a war torn El Salvador, Claudia Castro Luna and her family immigrated to the United States when she was a teenager. Arriving as a high school student not speaking a word of English, now as an adult she is the newly inaugurated Poet Laureate of Washington state. Learn more about her incredible journey and how she came to master the language of a new home.

BORDERS & HERITAGE: Vietnamese Refugees #314

(05:42) Magazine (**Local**)

Sat, 02/09/2019 10:51PM and various times through 03/30/2019

A Vietnamese refugee and his family grapple with life under threat of deportation.

BORDERS & HERITAGE: Abel Rocha: Songs of the Workers #313

(05:40) Magazine (**Local**)

Fri, 02/22/2019 08:52PM

Mon, 03/04/2019 12:21AM

Profile of Mexican folksinger Abel Rocha, and the workers' ballads he sings and plays.

WE'LL MEET AGAIN: Escape from Cuba #205

(56:46) Documentary (PBS)

Tue, 01/01/2019 08:00PM

Mon, 01/07/2019 01:00PM

Join Ann Curry as two men search for the people who helped them come to the U.S. when they fled Castro's Cuba. One hopes to find the family who took him in as a boy, while another looks for the shrimp boat skipper who brought him to safety.

PBS NEWSHOUR #12436

(06:29) News (PBS)

Mon, 01/07/2019 6:00PM

Ahead of his address on the government shutdown and border wall, President Trump tweeted that the situation at the U.S.-Mexico border was a humanitarian and national security crisis. Meanwhile, Department of Homeland Security Secretary Kirstjen Nielsen said that the "crisis is getting worse." But are these statements true? Amna Nawaz joins Judy Woodruff for a look at the facts.

FINDING YOUR ROOTS #501-508, #408

(56:46) Other (PBS)

Tuesdays, 01/08/2019 – 03/26/2019 08:00PM

Mondays, 01/08/2019 – 03/18/2019 01:00PM

Finding Your Roots with Henry Louis Gates, Jr. is the 12th and latest series from the renowned cultural critic and Harvard scholar. In this 10-part series, Professor Gates continues the quest he begun in African American Lives 1 and 2 and Faces of America delving into the genealogy and genetics of an all new group of famous Americans. The series combines history and science in a fascinating exploration of race, family, and identity in today's America. Each hour features a different pair of celebrity guests, who are bound together by an intimate, sometimes hidden link, whether it be as old friends, through long-lost relatives, or even through a common ancestral past.

FRONTLINE: The Gang Crackdown #3605

(56:10) News (PBS)

Tue, 01/29/2019 10:00PM

Investigate a slew of killings linked to the MS-13 gang and the crackdown that swept up immigrant teens. Some 25 bodies have surfaced since 2016. Law enforcement is trying to stop the gang, but some teens have been unlawfully detained in the process.

AMANPOUR AND COMPANY #213

(56:46) Interview/Discussion/Review (PBS)

Tue, 02/12/2019 11:00PM

Christiane Amanpour speaks with Dee Margo, the mayor of El Paso, TX, to discuss the reality of a border wall; and Mary Bauer & Ed Lavandera about the humanitarian crisis caused by child separations at the border.

PBS NEWSHOUR #12471

(06:58) News (PBS)

Mon, 02/25/2019 06:00PM

Tuesday's hearing over child separations at the border, held in front of the House Judiciary Committee, elicited heated debates and strong public reactions, as representatives from several government agencies attempted to answer congressional inquiry over the controversial immigration policy. Amna Nawaz reports and talks to Judy Woodruff about troubling new information and what happens next.

PBS NEWSHOUR #12481

Mon, 03/11/2019 6:00PM

(07:53) News (PBS)

Much of President Trump's rhetoric over immigration focuses on the people crossing the U.S.-Mexico border illegally. But what is the situation for the thousands who wait on a daily basis to enter through legal means? In the second installment of our two-part series, Amna Nawaz crosses the border into Mexico to see firsthand how the existing U.S. immigration system "isn't working for anyone."

Race and Social Justice Issues

With rising racial and social tensions erupting around our country and within our communities, many are looking to understand these complex issues and find effective solutions. As a result of our civically-engaged citizens, Seattle and the Northwest has become a model for progressive policies. KCTS 9 provides an informative look at the history and present-day reality of racial, gender, and social inequality, and the solutions implemented across our region.

IN CLOSE: Black Joy #293

(05:33) Magazine (**Local**)

Thu, 01/03/2019 02:50AM

Fri, 02/15/2019 08:46PM

Conceptual artist Natasha Marin seeks to change the dominant narratives and portrayals of black people as "history's favorite victims" by exploring the breadth of their experiences of joy.

IN CLOSE: Seattle's Black Panther Mural #299

(06:32) Magazine (**Local**)

Thu, 01/03/2019 04:52PM

Mon, 01/07/2019 10:49PM

Thu, 01/10/2019 08:52PM

Thu, 01/10/2019 02:51PM

Thu, 01/17/2019 10:50PM

Fri, 01/18/2019 04:51PM

Tue, 01/22/2019 04:50PM

Thu, 01/24/2019 08:53PM

Tue, 01/29/2019 04:52AM

Thu, 02/07/2019 04:49PM

Fri, 02/08/2019 08:50PM

Sat, 02/16/2019 10:52PM

Sun, 02/24/2019 07:52PM

Thu, 02/28/2019 09:44PM

Thu, 02/28/2019 09:44PM

Sun, 03/03/2019 02:22AM

Wed, 03/06/2019 01:22AM

Franklin High School students paint a mural honoring the Seattle Chapter of the Black Panther Party on its 50th anniversary.

WE'LL MEET AGAIN: The Fight for Women's Rights #206

(56:46) Documentary (PBS)

Tue, 01/08/2019 09:00PM

Mon, 01/14/2019 01:00PM

Join Ann Curry as two women search for friends and colleagues who fought for equal rights. One of the first female commercial pilots wants to thank her mentor, and an advocate hopes to find the woman who inspired her to join a movement.

WOMEN OUTWARD BOUND

(56:47) Documentary (NETA)

Mon, 01/14/2019 03:00PM

Mon, 03/18/2019 04:00PM

WOMEN OUTWARD BOUND profiles the first group of young women to participate in an Outward Bound survival school course in 1965, and chronicles their experiences in the wild. During their experience, the young women forged a special bond, and at a reunion 47 years later, the group reminisce about the lessons they learned and the memories they made, with some surprising revelations. They didn't realize it at the time, but they were a part of changing the course of history.

BLACK AMERICA SINCE MLK: AND STILL I RISE #101-102

(02:30:00) Documentary (PBS)

Sat 01/19/2019 12:00pm

Henry Louis Gates, Jr. looks at the last 50 years of African-American history - from Stokely Carmichael to Barack Obama, James Brown to Beyonce - charting the remarkable progress made and raising hard questions about the obstacles that remain.

1964: THE FIGHT FOR A RIGHT

(56:46) Documentary (APT)

Mon, 01/21/2019 02:00PM

By the mid-twentieth century, Mississippi's African Americans had suffered from nearly 75 years of slavery by another name - Jim Crow discrimination. In 1964 in Mississippi, people died in an effort to force the state to allow African Americans to exercise their constitutional right to vote. Although, the 50th anniversary of Freedom Summer has passed, the struggle for voting rights is still pertinent. 1964: THE FIGHT FOR A RIGHT uses Mississippi to explain American voting issues in the last 150 years. For instance, why are red states red?

INDEPENDENT LENS: Rumble: The Indians who Rocked the World #2008

(01:26:46) Documentary (PBS)

Mon, 01/21/2019 10:00PM

Discover how Native American musicians have transformed American blues, jazz and rock in this musical celebration featuring Robbie Robertson, Taj Mahal, Slash, Jackson Browne, Taboo, Quincy Jones, Tony Bennett, Iggy Pop, Steven Tyler and more.

INDEPENDENT LENS: Black Memorabilia #2010

(56:46) Documentary (PBS)

Sat, 02/09/2019 11:00PM

From the South to Brooklyn to China, meet the people who reproduce, consume and reclaim black memorabilia, racially-charged objects often wrapped in the protective embrace of antiquity and historical preservation.

INDEPENDENT LENS: Hale County, This Morning, This Evening #2011

(01:26:46) Documentary (PBS)

Sat, 02/16/2019 11:00PM

Visit the world of Hale County, Alabama. Composed of intimate and unencumbered moments in the lives of people in the community, the film offers a richly detailed glimpse at life in America's Black Belt.

AMERICAN MASTERS: Sammy Davis, Jr. #2707

(01:56:46) Documentary (PBS)

Tue, 02/19/2019 09:00PM

Tue, 02/26/2019 01:00PM

Explore the entertainer's vast talent and journey for identity through the shifting tides of civil rights and racial progress during 20th-century America. Features Billy Crystal, Whoopi Goldberg, and clips from his TV, film and concert performances.

IN CLOSE: Balancing Homelessness and Fatherhood #291

(04:18) Magazine (**Local**)

Fri, 02/22/2019 08:47PM

When Anthony Battiste and his wife separated, he become the sole caregiver for his four young sons. Unable to pay the mounting bills on his income as a roofer while tending to his sons full-time, Battiste and his boys became homeless. Spend a day in their life as they regain stability through help from Mary's Place, a Seattle-based social service organization.

AMERICAN MASTERS: Charley Pride #3007

(56:46) Documentary (PBS)

Fri, 02/22/2019 09:00PM

Explore the complicated history of the American South and its music through the life of country star Charley Pride. Raised in segregated Mississippi, his journey shows the ways that artistic expression can triumph over prejudice and injustice.

TO THE CONTRARY WITH BONNIE ERBE #2751

Sat, 02/23/2019 05:00AM

(25:43) Interview/Discussion/Review (PBS)

Pope Francis & Sexual Abuse: The Catholic Church holds a historic summit to stop abuse of minor. Black Suffragists: How white suffragists frequently turned their back on their black sisters. Black History Month: We speak with Reps. Karen Bass and Barbara Lee about African-American role models. Panel: Del. Eleanor Holmes Norton (D-DC), Patrice Lee Onwuka, Angela Sailor, Megan Beyer.

AN EVENING WITH KEN CHENAULT

(56:46) Interview/Discussion/Review (PBS)

Sat, 02/23/2019 11:00PM

Take a rare, inside look at the career of a business giant, former AmEx CEO Ken Chenault.

FRONTLINE: Right to Fail #3709

(56:15) Documentary (PBS)

Tue, 02/26/2019 10:00PM

After decades in institutions, a man with schizophrenia faces violence and death to live on his own. In collaboration with ProPublica, the film investigates a court-ordered effort to move those with serious mental illness into independent living.

WOMEN'S LIST: AMERICAN MASTERS

(56:20) Documentary (PBS)

Wed, 03/06/2019 03:00PM

Meet 15 women who define contemporary American culture in Timothy Greenfield-Sanders' new "List" film featuring Madeleine Albright, Margaret Cho, Edie Falco, Betsey Johnson, Alicia Keys, Nancy Pelosi, Rosie Perez, Wendy Williams and more.

FANNIE LOUS HAMER: STAND UP

(26:46) Documentary (APT)

Wed, 03/07/2019 03:30PM

The documentary FANNIE LOU HAMER: STAND UP examines the life of civil rights legend Fannie Lou Hamer, offering first-hand accounts by those who knew her and worked side by side with her in the struggle for voting rights.

INDEPENDENT LENS: Dolores #1912

(01:56:16) Documentary (PBS)

Tue, 03/12/2019 03:00PM

Meet the indomitable Dolores Huerta, who tirelessly led the fight for racial and labor justice alongside Cesar Chavez, becoming one of the most defiant - and unheralded - feminist activists of the 20th century.

AMERICAN MASTERS: Lorraine Hansberry #3005

(01:56:46) Documentary (PBS)

Tue, 03/19/2019 03:00PM

Explore the life and work of the A Raisin in the Sun playwright and activist who played a significant role in the civil rights movement. LaTanya Richardson Jackson narrates. Anika Noni Rose is the voice of Lorraine Hansberry.

WOMEN, WAR & PEACE #201-204

(56:46) Documentary (PBS)

Mon, 03/25/2019 08:30PM, 09:30PM

Tue, 03/26/2019 08:00PM, 09:00PM

WOMEN, WAR & PEACE is a new four-part series on the changing roles of women in war and peace. The vast majority of today's conflicts are not fought by nation states and their armies, but rather by informal entities: gangs, insurgent groups and warlords using unconventional weapons. The series reveals how post-Cold War proliferation of small arms has changed the landscape of war, with women becoming primary targets and suffering unprecedented casualties. Yet they are simultaneously emerging as necessary partners in brokering lasting peace and as leaders in forging new international laws governing conflict. WOMEN, WAR & PEACE spotlights the stories of women in conflict zones from Bosnia to Afghanistan, and Colombia to Liberia, placing women at the center of an urgent dialogue about conflict and security and reframing our understanding of modern warfare." Actors Matt Damon, Geena Davis, Tilda Swinton, and Alfre Woodard narrate.

BORDERS & HERITAGE: Creating a Black Trans Faith #315

(05:48) Magazine (**Local**)

Fri, 03/29/2019 08:52PM

Sat, 03/30/2019 09:49PM

Sun, 03/31/2019 07:51PM

J Mase III, a poet and educator, works to create a theology that specifically addresses the needs of black trans people.

Environment and Ecology

The Pacific Northwest region is well-known for its natural and outdoors lifestyle. It's a feature that makes it one of the fastest growing areas in the country. With climate change on the rise, we may be at risk of losing the iconic landscapes, vegetation, and creatures. From the Pacific Ocean, to the Puget Sound, to the Snake River we provide a thorough examination of the impacts on our interconnected ecosystems.

YELLOWSTONE: Autumn #103

(49:10) Documentary (BBC)

Wed, 01/02/2019 07:00PM

Fri, 01/04/2019 02:00PM

In a land of beauty and peril, the dramatic lives and fortunes of these animals are inexorably bound together. Intimate and emotional, epic and engaging, Yellowstone reveals the grandeur of this unique place as its animals struggle to survive over the course of three vividly changing seasons. This landmark series follows the intertwining stories of Yellowstone's iconic inhabitants: the grey wolf, the grizzly bear and the herds of antelope and buffalo.

OREGON FIELD GUIDE #3001-3003

(29:00) Magazine (OPB)

Sundays, 01/06/2019 – 03/24/19 12:00PM

This series explores some of the Northwest's outstanding outdoor wonders, fun activities and riveting occupations.

IN CLOSE: Beaver Relocation #296

(04:09) Magazine (**Local**)

Thu, 01/10/2019 01:52PM

Thu, 01/17/2019 04:53PM

Tue, 01/22/2019 02:55PM

Fri, 01/25/2019 08:48PM

Thu, 01/31/2019 10:47PM

Fri, 02/01/2019 04:53PM

Sun, 02/03/2019 07:54PM

Mon, 02/04/2019 03:48PM

Thu, 02/28/2019 04:55AM

Tue, 03/05/2019 04:53PM

Nuisance beavers or, beavers who are causing problems like flooding, downing trees on houses or taking out power lines are being relocated by Tulalip Tribes to forest service land in the Mount Baker-Snoqualmie National Forest.

NICK ON THE ROCKS #101-206

(05:00) Documentary (**Local**)

Fridays, 01/11/2019 – 03/01/2019 04:50PM

Thursdays, 01/03/2019 – 03/28/2019 08:50PM

Central Washington University geology professor Nick Zentner explores Washington State natural history.

INDEPENDENT LENS: My Country No More #2009

(56:46) Documentary (PBS)

Sat, 01/12/2019 11:00PM

Explore the rise and fall of the recent North Dakota oil boom through the intimate lens of one family fighting to preserve their agricultural way of life, which puts them at odds with relatives and neighbors determined to sell.

PBS NEWSHOUR #12442

(05:23) News (PBS)

Tue, 01/15/2019 6:00PM

Andrew Wheeler, the EPA's acting head, appeared before a Senate committee for confirmation hearings in his bid to keep the position on a permanent basis. But the government shutdown has brought many of the EPA's daily operations to a halt, so most safety and pollution inspections are skipped. Judy Woodruff looks at reporting by Coral Davenport of The New York Times and the AP's Ellen Knickmeyer.

AMERICAN EXPERIENCE: The Swamp #3101

(01:56:46) Documentary (PBS)

Tue, 01/15/2019 09:00PM

Tue, 01/22/2019 01:00PM

Explore the story of Florida's Everglades, America's greatest wetland. A tale of greed, hubris and destruction, the film chronicles the repeated efforts to conquer what was once seen as a useless wasteland and the passionate efforts to preserve it.

AMERICAN EXPERIENCE: Big Burn

(56:46) Documentary (PBS)

Tue, 01/22/2019 09:00PM

Tue, 01/29/2019 01:00PM

In August 1910, a massive wildfire swept across the Northern Rockies, devouring more than three million acres in 36 hours. The catastrophe would define the fledgling U.S. Forest Service and the nation's fire policy for much of the 20th century.

FRONTLINE: Coal's Deadly Dust #3706

(56:46) Documentary (PBS)

Tue, 01/22/2019 10:00PM

Learn about the rise of severe black lung disease among coal miners. An investigation with NPR reveals the biggest disease clusters ever documented, and how industry and government failed to protect miners.

NOVA: Kilauea: Hawai'i on Fire #4603

(56:46) Documentary (PBS)

Wed, 01/23/2019 09:00PM

Fri, 01/25/2019 03:00PM

Sun, 01/27/2019 11:00AM

Journey to Hawai'i's Kilauea volcano, which sent rivers of lava through communities and into the sea when it erupted in 2018. Join a group of scientists and locals investigating the spike in volcano activity that turned paradise into an inferno.

AMERICAN EXPERIENCE: Surviving the Dustbowl #1008

(54:08) Documentary (PBS)

Tue, 01/29/2019 09:00PM

Tue, 02/05/2019 01:00PM

They were called "Black Blizzards," dark clouds reaching miles into the sky, churning millions of tons of dirt into torrents of destruction. For ten years beginning in 1930, dust storms ravaged the parched and overplowed southern plains, turning bountiful wheat fields into desert. Disease, hardship and death followed, yet the majority of people stayed on, steadfastly refusing to give up on the land and a way of life.

NATURE: Living Volcanoes #3611

(56:46) Documentary (PBS)

Wed, 02/20/2019 08:00PM

Fri, 02/22/2019 01:00PM

Uncover the variety of activity, both human and natural, that occurs on the slopes of active volcanoes. See the surprising number of animals that survive and thrive alongside these fiery natural phenomena.

NOVA: The Next Pompei #4606

(56:46) Documentary (PBS)

Wed, 02/20/2019 09:00PM

Fri, 02/22/2019 03:00PM

Sun, 02/24/2019 11:00AM

Discover Campi Flegrei, a lesser-known volcano in the shadow of Vesuvius. If it erupts, millions of lives could be at risk. Meet the scientists exploring its geography and developing a warning system to prevent Naples from becoming the next Pompeii.

NATURE: Yosemite #3407
(56:46) Documentary (PBS)
Wed, 02/27/2019 08:00PM
Fri, 03/01/2019 01:00PM
Sun, 03/03/2019 05:00AM

Yosemite is a land forged in wildfire and sculpted by water, but with climate change, water is scarcer and fire more common. Join scientists and adventurers to investigate how these global changes are affecting one of America's greatest wildernesses.

PBS NEWSHOUR #12492
Tue, 03/26/2019 06:00PM
(08:54) News (PBS)

The U.S. government estimates that the consequences of climate change are already costing the country hundreds of billions of dollars. But even if we stopped using fossil fuels immediately, the globe would continue to warm due to an existing buildup of carbon dioxide. Miles O'Brien reports on how some scientists are now exploring unorthodox means of actually removing the gas from our atmosphere.

Tech and Scientific Innovation

For decades the Pacific Northwest has been a region leading the world in scientific and technological innovation. From the MOHAI Museum, to the seemingly ever-expanding campuses of Microsoft and Amazon, we have a first-hand glimpse as the future evolves and a genuine interest in human discovery. Our science programming provides an opportunity for our entire community to be part of our rapidly advancing world.

NOVA: Pluto and Beyond #4601
(56:46) Documentary (PBS)
Wed, 01/02/2019 09:00PM
Fri, 01/04/2019 03:00PM
Sun, 01/06/2019 11:00AM

Join the mission as the New Horizons spacecraft attempts to fly by NASA's most distant target yet. Since it explored Pluto in 2015, New Horizons is zooming toward Ultima Thule, an object four billion miles from Earth.

REINVENTORS #102-111
(04:00) Magazine (**Local**)
01/03/2019 – 03/15/2019 various times

ReInventors is a show that features scientists, inventors and tinkerers in the Pacific Northwest who are working to create a more sustainable future. You'll meet folks who are reimagining the basic elements of our everyday lives - where we live, what we eat, the way we get to work.

PROJECT ASTEROID: MAPPING BENNU

(26:46) Documentary (APT)

Mon, 01/07/2019 03:30PM

In 2016, NASA embarked on a new and unique mission: sending the Osiris-REx spacecraft to rendezvous with the asteroid Bennu to study the rocky space object and collect samples to return to researchers.

PROJECT ASTEROID: MAPPING BENNU is a 30-minute film that documents the construction of one of the critical instruments on board the spacecraft: the OSIRIS-REx Thermal Emission Spectrometer (OTES), the first space instrument to be built entirely on the Arizona State University (ASU) campus. The documentary, in the making since 2012, takes viewers behind-the-scenes as it follows the efforts of a team of engineers, veteran professors, current and former students, and scientists led by the ASU School of Earth and Space Exploration's project manager Philip Christenen.

IN CLOSE: The Sound of Climate Change #298

(03:31) Magazine (**Local**)

Mon, 01/07/2019 03:26PM

Thu, 01/24/2019 02:54PM

Thu, 02/21/2019 02:55PM

Wed, 01/09/2019 01:55PM

Sun, 01/27/2019 11:46PM

Fri, 02/22/2019 03:55PM

Thu, 01/10/2019 04:54PM

Thu, 01/31/2019 04:52PM

Thu, 02/28/2019 02:54PM

Mon, 01/14/2019 10:48PM

Sun, 02/03/2019 10:54PM

Sun, 03/03/2019 05:56AM

Thu, 01/17/2019 01:48PM

Fri, 02/08/2019 04:52PM

Fri, 03/22/2019 01:56PM

Sun, 01/20/2019 07:47PM

Fri, 02/15/2019 02:55PM

Sun, 03/31/2019 11:55PM

While doing field work in the Arctic, UW doctoral candidate Judy Twedt could see the impact of sea level rise, carbon emissions and rapidly disappearing sea ice firsthand. But communicating the urgency of that data to people outside the bubble of the scientific world remained a struggle. She found the answer in music. Twedt sonifies climate data —basically, she makes iconic or meaningful data sets audible by translating each data point into a note. When CO2 rises on a graph curve, the notes react by becoming high and screechy. As sea ice disappears, one hand replicates the sound of its diminishment by dipping into the low register of a piano while the other replicates a twinkling pattern that replicates repeating, shifting seasons. By using music's unique ability to imprint on the human brain, Twedt's result is a sonic map that can help us understand how climate change is upending our world, just by listening.

PBS NEWSHOUR #12437

Tue, 01/08/2019 06:00PM

(06:44) News (PBS)

Over the past year, UCSF Benioff Children's Hospital has been pioneering a virtual reality technology that enables pediatric patients, and their parents, to "tour" their brains before surgery. Special correspondent Cat Wise reports on how this 3-D platform may help young patients with epilepsy and brain tumors reduce their fears and anxieties before surgery, and maybe even yield an "epiphany."

NOVA: Einstein's Quantum Riddle #4602

(56:46) Documentary (PBS)

Wed, 01/09/2019 09:00PM

Fri, 01/11/2019 03:00PM

Sun, 01/13/2019 11:00AM

Quantum entanglement is poised to revolutionize technology from networks to code breaking, but first we need to know it's real. Join physicists as they capture light from across the universe in a bid to prove Einstein's "spooky action at a distance."

AMERICAN EXPERIENCE: Grand Coulee Dam

(54:36) Documentary (PBS)

Tue, 01/29/2019 02:00pm

The ultimate expression of Franklin Roosevelt's New Deal, Grand Coulee played a central role in transforming the Northwest; it was the largest hydroelectric power producing facility in the world when it was completed in March 1941. After WWII, a vast irrigation project made possible by the dam helped turn the barren deserts of central Washington into rich farmland. But the dam prevented access to one of the greatest salmon rivers in the world. Deprived of the salmon - their most important resource - the native people who lived along the Columbia witnessed a profound cultural decline. Featuring the men and women who lived and worked at Grand Coulee and the native people whose lives were changed, as well as historians and engineers, this film explores how the tension between technological achievement and environmental impact hangs over the project's legacy.

PBS NEWSHOUR #12452

Tue, 02/05/2019 6:00PM

(09:26) News (PBS)

An intense debate is underway over the benefits and drawbacks of using microchips, typically relied upon to identify ranch animals and pets, on humans. Advantages include fast communication of critical patient data to medical teams, seamless payment and automatically opened doors. But skeptics warn of dire implications for privacy and ethics. Special correspondent Malcolm Brabant reports.

PBS NEWSHOUR #12457

Tue, 02/05/2019 6:00PM

(06:55) News (PBS)

In the never-ending hunt for new designs that jump, pump, or run faster and better, scientists are finding inspiration in nature. The field of biomimicry blurs boundaries between living things -- like the butterfly's proboscis or the flea's powerful legs -- and the inanimate to spur new problem-solving technologies. Science correspondent Miles O'Brien reports.

AMERICAN EXPERIENCE: Sealab #3102

(56:46) Documentary (PBS)

Tue, 02/12/2019 09:00PM

Tue, 02/19/2019 01:00PM

Discover the mostly forgotten story of the U.S. Navy's daring and groundbreaking Sealab program, whose "Aquanauts" tested the limits of human endurance and revolutionized our understanding of underseas exploration.

NOVA: Rise of the Rockets #4605

(56:46) Documentary (PBS)

Wed, 02/13/2019 09:00PM

Fri, 02/15/2019 03:00PM

Sun, 02/17/2019 11:00AM

Marvel at a new era of space exploration and accessibility, thanks to NASA's return to crewed spaceflight, as well as private companies like SpaceX and Virgin Galactic, and technologies that make rockets cheaper and more powerful than ever.

IN CLOSE: Livingston L. Holder, Jr. #303

(06:22) Magazine (**Local**)

Thu, 03/07/2019 08:49PM

Mon, 03/18/2019 03:52PM

Fri, 03/08/2019 01:22AM

Tue, 03/19/2019 02:52PM

Fri, 03/08/2019 08:50PM

Thu, 03/21/2019 08:51PM

Sat, 03/09/2019 04:22PM

Thu, 03/28/2019 04:50PM

Fri, 03/15/2019 04:49PM

Sun, 03/31/2019 07:44PM

Livingston L. Holder, Jr. wants more women and minorities to recognize that they can pursue their dreams in engineering. Holder graduated from the Air Force Academy as one of two black engineers in a classroom of 100 people. He says, "The more the youngsters who see us in these roles believe, 'Oh, I can do that.'"