

2009 Soundwaves: Wisconsin Youth Radio Festival winners announced

The 2008-2009 *Soundwaves: Youth Media Festival* concluded the season by selecting winners from across the state to come to Madison and record their entries in the professional studios of Wisconsin Public Radio (WPR).

With over 90 entries from 13 different schools, the *Soundwaves* judges had a daunting task to find the very best work, and though many were considered excellent, ECB's "final four" are all champions. Winning entries will be broadcast on WPR-Ideas Network on Sunday, May 10th, at 8 p.m. Make sure to listen!

Judges' Choice: *The Adventures of the Wonder Kids: Mother Nature's Crown*, a radio drama-grades 3-5

The student producers are: Karlee Batchelder, Claudia Bondgien, Jaden Carstenen, Austin Denzine, Dillen Dunn, Vanessa Dyer, Larissa Engel, Hunter Frenzel, Trenton Gieger, Brenden Griesbach, Leandra Gustum, Colton Hill, Hunter Hill, Kirsten Kloth, Rachel Lundy, Cassandra Mravik, Patrick Nelson, Ryan Perrin, Kayla Rausch, Logan Wildberg. The students attend Medford Elementary School in Medford, Wisconsin, and their sponsor is Scott Woller.

Public Service Announcement (PSA) Elementary *Internet Safety*-grades 3-5

The student producers are: Simon Schuh, Lucas Reynolds, Andrew Northway, Sam Conard, Nate Albers. Their sponsor is Sandy Balder, and they attend Heritage School in De Pere, Wisconsin.

PSA Middle School (TIE):

Quit for the Kids and Teenage Pregnancy-grades 6-8

Quit for the Kids: *The student producers are:* Madeleine Cohen, Chloe Strube, Amanda Mischler. They attend Wilson Middle School in Appleton, Wisconsin, and their sponsor is Michael Froehlke.

Teenage Pregnancy: *The student producers are:* Lauren Rostas, Marilia Giuste. Their sponsor is Michael Froehlke and they attend Einstein Middle School in Appleton, Wisconsin.

For more information about *Soundwaves* and to listen to the winning entries, please visit us online at www.ecb.org/soundwaves, or call Kurt Griesemer at 608.264.9713 (kurt.griesemer@ecb.org) or Finn Ryan at 608.264.9678 (finn.ryan@ecb.org).



Some student producers in the 2008 Soundwaves: Wisconsin Youth Radio Festival refine their winning entry before broadcast in the studios of Wisconsin Public Radio in Madison, Wisconsin.



Tuesday, May 12, 2009, 7:00 PM

Military Kids is the topic of *Teen Connection* on May 12.

Laura Pettersen of Operation Military Kids will join host Kathryn Bracho and three teens who have parents in the military. Operation Military Kids provide services to families with members in the military. Teens from Operation Military Kids will be answering the phones. There are eight phone lines coming into the studio.

Teen Connection is coproduced by NEWIST/CESA 7, Educational Television Productions of Northeastern Wisconsin (ETP-NEW) and Wisconsin Public Television. It is broadcast statewide by Wisconsin Public TV and by WMVS, Channel 10 in the Milwaukee area.

Host Kathryn Bracho appears courtesy of WBAY-TV, Channel 2 in Green Bay. The toll-free number, 877-988-

ECB and WI Public TV showcase STEM partnerships

Blueprint: Designing Wisconsin's Future will examine how schools, businesses, and communities are partnering to prepare students for the 21st century workplace and society. Featuring interviews with students, teachers and community supporters, *Blueprint* explores the effects of innovative science, technology, engineering, and mathematics (STEM) programs on communities throughout Wisconsin. In this program, you will see:

- *Ariens Technology & Engineering Center:* Ariens Company has partnered with Brillion High School to create a state-of-the-art learning center where

students work on diverse projects such as high-mileage vehicles and hydroponics.

- *First Lego League:* A global program created to get students excited about science and technology, First Lego League utilizes theme-based challenges to engage students in research, problem solving, and engineering for a statewide competition.
- *Biopharmaceutical Technology Center Institute:* This non-profit organization facilitates real-life laboratory

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STEM partnerships

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activities related to science, technology, and nature discovery for students and young adults.

- *Westfield Biodiesel Program:* The School District of Westfield is pioneering the production and use of alternative energy by enabling students to manufacture biodiesel that is used to fuel their school buses.

Blueprint: Designing Wisconsin's Future will air on Wisconsin Public Television at 7:30 p.m. on Thursday, May 21st. For more information, go to www.wpt.org

PBS Teachers offers free webinars

Check out FREE monthly webinars from PBS Teachers featuring leading education technology experts, authors, or producers of PBS programs who will share ideas on using digital media to engage students in rich learning experiences. Sign up at www.pbsteachers.org.

May 4 Diving into the Digital World of Marine Science

featuring Jean-Michel Cousteau: *Ocean Adventures*

June 2 Summertime and My Personal Learning Network

with Bob Sprankle, Cheryl Oakes, and Alice Barr

PBS TeacherLine

Enrollment for Summer PBS TeacherLine courses is now open, and classes begin on June 14, 2009. Check out the new courses at www.ecb.org.

Time to renew your NEWIST contract

NEWIST provides leadership and coordination of services to member schools to support classroom use of PK-12 instructional television programming and its related technology to assist schools improve student learning.

As NEWIST members, schools receive:

- Discounts on staff development
- Free use of NEWIST documentaries
- Free Parade of Programs for each teacher
- Discounts on teacher materials from the ECB, i.e., teacher guides, CD-ROMs
- And much more.

CESA 7 recently sent contracts to NEWIST member schools. Please urge your administrator to sign and return the contract for NEWIST services, so we can continue to give your school the excellent, cost saving services that you expect from NEWIST. We look forward to working with you during the 2009-2010 school year.

REMEMBER
INSTRUCTIONAL PROGRAMMING
on WPT
ends on Friday,
May 22nd and
Resumes on Tuesday,
September 8th

Restorative Practices webinar now archived

Learn how to use Restorative Justice practices to:

- Eliminate noon detention
- Reduce suspensions (in and out-of school)
- Decrease the number of police referrals
- Reduce the recidivism rate
- Increase instructional time
- Enjoy positive school climate and increased parent support

Cost: \$75 per district

Who: All K-12 educators

Contact Margie Thomas at NEWIST, mthomas@cesa7.k12.wi.us or call 920-465-2599 or 800-633-7445

The Results are In...

In early March the ECB invited library and media specialists to complete an online survey regarding ECB's products and services. Thanks to those of you who took the time from your day to help us.

Here's what you told us:

- Most are aware of the ECB's educational programming broadcasts, Web site and other resources
- When looking for media resources, most use resources from the school server or other Web sites
- DVD's have become the most popular source for viewing programming, followed by videotape

NOTICE
Milwaukee Public Television
will turn off its analog transmitters on
Friday, June 12 at 9:00 a.m.

NEWIST/CESA 7
Serving CESAs 6, 7 and 8

—
Jo Mellen, Director
Eileen Littig, Producer
Margie Thomas, Admin. Assistant

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Interconnect

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The Wisconsin Educational Communications Board publishes *Interconnect* to inform PK-12 educators about educational telecommunications.

Wisconsin's Public Television Stations

WHA-TV/Madison	WHLA-TV/La Crosse
WPNE-TV/Green Bay	WHWC-TV/Menomonie-Eau Claire
WHRM-TV/Wausau	WMVT-TV/Milwaukee
WLEF-TV/Park Falls	WDSE-TV/Duluth-Superior

May Interconnect Selects

All programs listed are scheduled to air on WPT only, unless otherwise noted.

Evening programming differs among Wisconsin's public television stations.

BE SURE TO CHECK LOCAL LISTINGS.

5 Tuesday

8:00 p.m.
NOVA "Cracking the Maya Code"
(Social Studies)

6 Wednesday

8:00 p.m.
World War II Behind Closed Doors
(Social Studies) Part 1

8 Friday

9:00 p.m.
Independent Lens "Wings of Defeat"
(Social Studies)



Alexei Patrenko plays the role of Joseph Stalin in the documentary series, *WWII Behind Closed Doors: Stalin, the Nazis and the West*, airing Wednesdays at 8 p.m. during the first three weeks of May.

17 Sunday

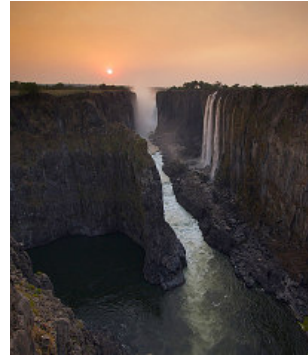
7:00 p.m.
Nature "Victoria Falls"
(Environmental Ed./Social Studies)
9:30 p.m.
Chihuly in the Hotshop (Art & Design)

18 Monday

9:00 p.m.
American Experience: Kennedy
(Social Studies)

19 Tuesday

7:00 p.m.
NOVA "The Bible's Buried Secrets"
(Social Studies)



On Sunday, May 17th, *Nature* features the amazing Victoria Falls, which divides two very different natural worlds.

26 Tuesday

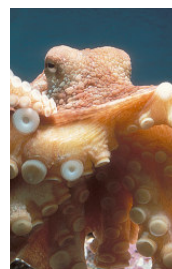
6:00 p.m.-1:00 a.m.
AUCTION (WHA only)
7:00 p.m.
NOVA "Ocean Animal Emergency"
(Science)
8:00 p.m.
Jean-Michel Cousteau: Ocean Adventures "Sea Ghosts" (Science)
10:00 p.m.
Hallowed Ground "Cemeteries"
(Social Studies)
11:00 p.m.
Way of the Warrior (Social Studies)

27 Wednesday

6:00 p.m.-1:00 a.m.
AUCTION (WHA only)
8:00 p.m.
Great Performances "Lights Up: In the Heights on Broadway" (Theater)
10:30 p.m.
American Stamps (Art & Design)

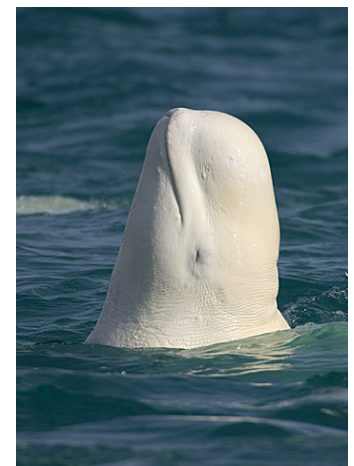
28 Thursday

6:00 p.m.-1:00 a.m.
AUCTION (WHA only)
7:00 p.m.
On the Trail, An In Wisconsin Special (Science)
8:30 p.m.
Portage Memories (Social Studies)
9:00 p.m.
Wisconsin Hometown Stories: La Crosse (Social Studies)
10:00 p.m.
Nature "Oceans in Glass: Monterey Bay Aquarium" (Science)



A giant octopus inhabits a new gallery devoted solely to its kind at the Monterey Bay Aquarium. *Nature: Oceans in Glass* spotlights the realistic recreation of marine environments airing May 28th.

Watch *Jean-Michel Cousteau: Ocean Adventures*, airing Wednesday, May 26th, at 8 p.m. on WPT and learn about Beluga whales, or "sea ghosts," the all white, warm-blooded mammals that live in numbingly cold seas.



These and other great programs of interest to educators can be seen on your local public television stations. Check the program listings at www.wpt.org, <http://mptv.org/listings>, or www.wdse.org for program descriptions or times of repeats.

PROGRAMS ARE SUBJECT TO CHANGE.

NOTE: If taping any of these programs for educational use be sure to check the PBS Web site at www.pbs.org/teachers/copyright/guidelines.html for taping rights and restrictions.

10 Sunday

7:00 p.m.
Nature "Eagles of Mull" (Science)
9:30 p.m.
Transformed by Flame: The Glass Art of Frabel (Art & Design)

11 Monday

8:00 p.m.
American Experience: We Shall Remain "Geronimo" (Social Studies)
9:30 p.m.
American Experience: We Shall Remain "Wounded Knee" (Social Studies)

12 Tuesday

7:00 p.m.
Teen Connection "Military Kids" (Guidance/Health)
8:00 p.m.
NOVA "Space Shuttle Disaster" (Science)

13 Wednesday

8:00 p.m.
World War II Behind Closed Doors
(Social Studies) Part 2

20 Wednesday

8:00 p.m.
World War II Behind Closed Doors
(Social Studies) Part 3
9:00 p.m.
Blueprint America
(Environmental Ed./Social Studies)

21 Thursday

7:30 p.m.
Blueprint: Designing Wisconsin's Future
(Science/Technology/Engineering/Math [STEM])

24 Sunday

1:00 p.m.
Live from Lincoln Center: New York City Ballet's "Romeo and Juliet"
(English Language Arts/Dance/Theater)

25 Monday

6:00 p.m.-1:00 a.m.
AUCTION (WHA only)
8:00 p.m.
In Performance at the White House "Stevie Wonder" (Music)



Surf Report

<http://explore.ecb.org/surf>

Physics

Explore and experiment with concepts in physics with these great Web sites.

Elementary and Middle School

<http://www.amnh.org/ology/einstein#channel>

Way to Go Einstein from the American Museum of Natural History includes information about Einstein as well as illustrated instructions for simple experiments.

<http://pbskids.org/dragonflytv/>

Dragonfly TV features video clips of students doing inquiry investigations. Many physics topics are covered as kids investigate the sweet spot on a bat, hot air balloons, roller coaster design, light and color, and more.

<http://www.exploratorium.edu/sport/index.html>

Sport Science from the Exploratorium makes physics relevant with studies of various sports.

<http://www.teachersdomain.org/resource/hew06.sci.phys.maf.rollercoaster/>

Energy in a Roller Coaster from Teachers' Domain demonstrates how potential energy is converted to kinetic energy with a simple animation.

<http://www.teachersdomain.org/resource/phy03.sci.phys.mfw.lightning/>

With a short video, *Lightning!* from Teachers' Domain explains the physics behind electrical storms.

<http://www.teachersdomain.org/collection/k12/sci.phys/>

Teachers' Domain has a large collection of physics and physical science video clips and lesson plans. Create a free account, search by grade level and topic and save clips to your own folders.

<http://www.pbs.org/wgbh/buildingbig/index.html>

Building Big from PBS explores the history behind some of the world's greatest feats of engineering and the ingenuity of engineers, architects, and builders who designed and built them.

High School

<http://phet.colorado.edu/index.php>

The *Physics Education Technology* (PhET) site offers interactive simulations of physical phenomena. More than 80 simulations let students experiment with circuits, string tension, kinetic and potential energy, radio waves and electromagnetic fields, balloons and static electricity, ideal gas and buoyancy, velocity and acceleration, sound waves and the Doppler Effect, and more. These simulations from the University of Colorado may be used online or downloaded, and each one is accompanied by sample learning goals and teaching tips. You can even install the entire Web site on your own computer so you don't need to be online to use the simulations. Don't miss this site!

<http://aspire.cosmic-ray.org/index.php>

The *ASPIRE* Web site from the University of Utah features online simulations and lessons on topics such as waves, force and motion, kinetic energy, and more.

<http://www.physclips.unsw.edu.au/>

Physclips introduces mechanics through video clips and animations. This extensive site from a physics professor in Australia covers acceleration, circular motion, Newton's laws, energy and power, momentum, gravity, and more.

<http://www.physicsclassroom.com/Class/vectors/U3L1a.cfm>

The Physics Classroom is an online tutorial written for high school physics students by a teacher in Illinois. This well-organized site includes a tutorial in physics concepts and a multimedia lab with many animations of physics concepts.

http://qbx6.ltu.edu/s_schneider/physlets/main/index.shtml

Physlets is an extensive collection of animations of physics concepts from Davidson University and Lawrence Technological University. The concepts of kinematics, frictional force, momentum, torques, gravity, optics, electrostatics, circuits, waves, and more are included.

<http://faraday.physics.utoronto.ca/GeneralInterest/Harrison/Flash/>

This collection of *Physics Animations* is from the University of Toronto. Topics include chaos; classical, fluid, and

quantum mechanics; optics; relativity; vectors waves, and more. These animations are also available in Spanish.

<http://mw.concord.org/modeler1.3/mirror/physics.html>

Physics provides more than 40 online interactives that demonstrate concepts in mechanics, fluid mechanics and dynamics, electromagnetism, and quantum physics. Watch simulations of a pendulum, suspension bridge, charged particle in a magnetic chamber, hourglass, Archimedes' Principle of Buoyancy, electrical fields, gears, light-matter interactions, Newton's Cradle, pulleys, springs, water flow, and more. This site is from the Concord Consortium and the National Science Foundation.

<http://www.lbl.gov/abc/>

Learn how to build your own cosmic ray detector, make a nucleus out of marshmallows, or ask a nuclear scientist a question on *The ABC's of Nuclear Science* site, provided by the Nuclear Science division of the Lawrence Berkeley National Laboratory.

<http://www.pbs.org/wgbh/nova/einstein/experts.html>

E=MC² Explained: Listen to 10 top physicists explain Einstein's theory of relativity in these video clips from the NOVA program, *Einstein's Big Idea*.

Teachers

http://www.pbs.org/wgbh/nova/teachers/resources/subj_10_00.html

The *NOVA Teachers* page lists many NOVA programs with physics topics. Look in the green box for teacher guides and online interactives that accompany each program.

<http://www.aapt.org/>

The *American Association of Physics Teachers* provides many resources for teachers such as publications, grants, teaching resources, student contests, and more.

<http://www.compadre.org/portal/index.cfm>

ComPADRE: Digital Resources for Physics and Astronomy Education helps teachers and learners find and use high quality resources in the National Science Digital Library (NSDL).

Find more at <http://explore.ecb.org/surf>.