

## ***Journal #3127      from sdc      6.4.14***

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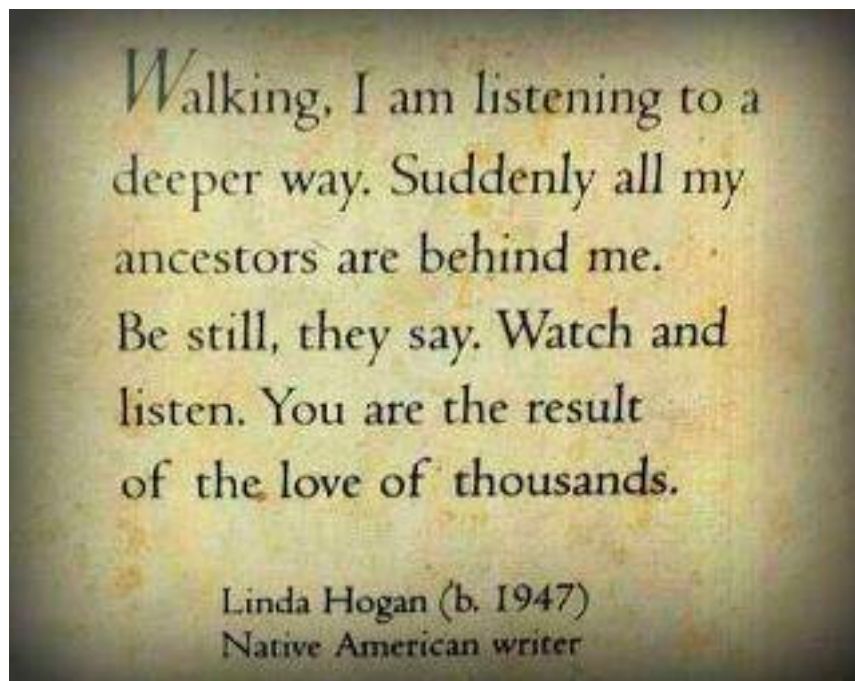
*Grandma's Moccasins Come Home*

*Caveman Campsite Unearthed At Site Of New Embassy*

*ACE High School (Academy for Career Education: Construction Trades*



Heres [Joe Rhoan](#)  
His Grandmother  
Amy Rhoan and  
his mother Louise  
protesting in  
Yosemite National  
Park against the  
desecration of  
Indian graves and  
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DIY - Mason jars + cotton string + liquid citronella! Let the string soak for 10-15 min before lighting it up. No more mosquitoes!

### **Diesel bus alternative**

### **Electric school buses that power grid could save school districts millions**

9:29 a.m., May 28, 2014--  
Electric school buses that feed the power grid could save school districts

millions of dollars — and reduce children's exposure to diesel fumes — based on recent research by the University of Delaware's [College of Earth, Ocean, and Environment](#) (CEOE).

A new study examines the cost-effectiveness of electric school buses that discharge their batteries into the electrical grid when not in use and get paid for the service. The technology, called vehicle-to-grid (V2G), was pioneered at UD and is being tested with electric cars in a [pilot project](#).

## Research Stories

### Splitting water

The University of Delaware's Yushan Yan believes that electrochemical energy engineering is the key to reducing humankind's reliance on combustion as the dominant player in energy conversion.

- [Better than gold](#)
- [microRNA research](#)
- [Negating neglect](#)

Adapting the system for school bus fleets is a logical application. School buses generally travel distances within electric vehicles' battery range, and they are not in use for much of the day. Electric school buses also do not release sooty diesel exhaust, which contains pollutants that can cause respiratory irritation, lung cancer and heart disease.

"I see neighborhood kids waiting for and riding school buses out my window or when walking my dog," said Jeremy Firestone, CEOE professor of marine policy and director of the [Center for Carbon-free Power Integration](#). "Electric buses have the benefit of kids not standing around or having their windows open while diesel fumes are being released."

For the study, researchers analyzed existing diesel school bus routes in a mid-sized suburban school district in Delaware and calculated the costs and benefits of V2G-capable electric bus replacements. Over 14 years, which is the typical lifespan of a bus, a V2G electric bus fleet could save an estimated \$38 million.

"I was surprised," said study lead author Lance Noel. "The savings go through the roof."

The economic research took into account costs associated with fuel, electricity and batteries, as well as pollution-related health care expenses and other factors.

A diesel bus costs \$110,000, compared with \$260,000 for an electric bus equipped with a V2G-capable, 70-kilowatt on-board charger. Diesel buses have an average fuel economy of 6 miles per gallon, including the effects of idling, and emit soot, ozone, sulfur dioxide, nitrous oxide and other pollutants. These fumes can be disproportionately higher within the cabin of a bus compared to surrounding pollution levels.

Add up diesel gas costs plus the medical expenses to society, and the diesel bus looks less cost-effective over time. Electric buses providing V2G services, meanwhile, cover the battery charging and additional capital investment costs, and in addition generate profits while releasing no tailpipe pollution.

Choosing a V2G-capable electric bus over a diesel bus would save a school district \$6,070 per bus seat, or \$230,000 per bus over the vehicle's 14-year lifespan. Even with taking out the medical and climate change costs associated with diesel pollution, school districts could still save \$5,700 per seat.

“They could save a large amount of money while also shifting away from the consumption of diesel and enhancing school children’s health,” the authors write in the paper. There is still a way to go before such V2G-capable school buses become a reality, however. Electric school buses are uncommon, with the first [Trans Tech](#) all-electric school bus tested in California earlier this year.

While electric school buses can be cost-competitive without providing V2G services, the V2G technology would produce substantially larger savings for school districts.

“The V2G capability is what changes the economics of the school bus,” said study co-author Regina McCormack, who along with Noel is a graduate student in CEOE’s [School of Marine Science and Policy](#).



The study, titled “A Cost Benefit Analysis of a V2G-Capable Electric School Bus compared to a Traditional Diesel School Bus,” appears in the Aug. 1 issue of *Applied Energy* and [can be viewed online](#). For more information, contact Lance Noel at [lnoel@udel.edu](mailto:lnoel@udel.edu) or Regina McCormack at [rmccorma@udel.edu](mailto:rmccorma@udel.edu).

### About UD’s College of Earth, Ocean, and Environment

[UD’s College of Earth, Ocean, and Environment](#) (CEOE) strives to reach a deeper understanding of the planet and improve stewardship of environmental resources. CEOE faculty and students examine complex information from multiple disciplines with the knowledge that science and society are firmly linked and solutions to environmental challenges can be synonymous with positive economic impact.



The college brings the latest advances in technology to bear on both teaching and conducting ocean, earth and atmospheric research. Current focus areas are ecosystem health and society, environmental observing and forecasting, and renewable energy and sustainability.

Article by Teresa Messmore

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<https://petitions.whitehouse.gov/petition/take-andrew-jackson-20-bill-and-replace-him-someone-who-was-more-committed-liberty-and-justice-all/C9DVjkt9>

### **Andrew Jackson Has Got To Go**

Listen to these homeschooled kids explain why they started a petition to remove Andrew Jackson from the \$20 bill. And then go to the website and sign the pet... [youtube.com](https://www.youtube.com)

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### **A HISTORIC COURSE CHANGE ON THE COLORADO RIVER**

When it comes to water, there is rarely consensus among agencies, municipalities and environmentalists. Agreement among multiple states and nations? That's just not something that happens. <http://erj.reviewjournal.com/ct/uz3688753Biz21222539>

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### **Native Village- Cultural Encampment - Plan now for August 16-26th** [lnkd.in](https://www.linkedin.com)

I am helping spread the word of a time when you can be with and share in Native American Culture with teachers and elders showing you the knowledge they have to pass on. Hosted in Oregon August 16-26 BY NON PROFIT ORGANIZATION: Celebrating Traditions: Native American Arts and Cultures Inc. Camp the Cascades with us at the Deschutes River Campground at the foot of Mount Bachelor. Study an

Independent Religious Institutions Professional we do a **culture camp all summer long near pipestone mn. see here**

<http://www.pipekeepers.org/culturecamp.htm>

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<http://readersupportednews.org/opinion2/271-38/23925-water-cut-offs-in-detroit-are-a-violation-of-human-rights>

*L. Brooks Patterson is the elected CEO of the affluent Detroit suburb of Oakland. In a recent interview in the New Yorker, he affirmed that a statement he had made 30 years ago was still valid. "A number of years ago I made a prediction and it's come to pass. I said, 'What we're gonna do is turn Detroit into an Indian reservation where we herd all the Indians into the city, build a wall around it and then throw in blankets and corn.'"*

This man wins his elections with huge majorities.

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### **Conservation Group Says Protest Aims To Prevent Fracking In Nevada**

Troy Wilde, Public News Service-NV

<http://www.publicnewsservice.org/2014-05-29/environment/conservation-group-says-protest-aims-to-prevent-fracking-in-nevada/a39642-1>

(05/29/14) CARSON CITY, Nev. [A] An effort to prevent "fracking" for natural gas in Nevada is

at the heart of a conservation group's objection to a government sale of oil and gas leases.

Rob Mrowka, senior scientist with the Center for Biological Diversity, says his group has filed a [formal protest](#) with the Bureau of Land Management (BLM) over its planned sale of oil and gas leases this summer that could open up about 175,000 acres of public lands to hydraulic fracturing.

Commonly known as fracking, the mining technique involves pumping highly-pressurized fluids deep into the earth to fracture rocks, which can then release oil and natural gas.

"This is the first chance that people like ourselves [A] who have concerns about fracking, and the oil and gas sales in Nevada [A] have to express our concerns to the BLM," Mrowka says.

Mrowka adds the BLM's planned oil and gas lease sale could allow fracking on about 100 sites in north-central Nevada.

He says there is growing concern in several states that fracking may threaten ground water quality, wildlife, and that the process also can release methane gas into the atmosphere.

"Recent studies have shown that the amount of methane gas that escapes associated with fracking, has been grossly underestimated and is a much bigger problem than previously thought," he says.

Mrowka explains filing a formal protest with the BLM is necessary in case his organization wants to pursue future legal action about this issue.

However, energy industry representatives say natural gas drilling is safe and brings jobs and



income to communities. They argue that natural gas is a "bridge" to a renewable energy future.  
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Exxon Mobil's CEO opposes fracking regulations and claims environmental concerns are overblown, but when another fracking company proposed to start drilling near his \$5 million horse ranch, he filed a lawsuit to stop them.

<http://bit.ly/OjYeZf>

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THE WHITE HOUSE                      Office of the Press Secretary                      May 29, 2014

### **FACT SHEET: President Obama Applauds Commitments to Address Sports-Related Concussions in Young People**

Sports are one of the best ways to keep our kids active and healthy, but young people make nearly 250,000 emergency room visits each year with sport or recreation-related brain injuries. As a sports fan and a parent with two young daughters, President Obama believes we need to do more to protect the health and safety of our kids. Today, the President will host the first-ever White House Healthy Kids & Safe Sports Concussion Summit to advance research on sports-related youth concussions and raise awareness of steps to prevent, identify and respond to concussions in young people.

The truth is we still do not know enough about the consequences of traumatic brain injuries, where it's a hard knock on the playing field or head injury sustained by one of our troops serving abroad. Every mother and father, friend and family deserves to know everything we can about the best way to care for our young athletes and veterans and that's the core focus of today's White House Summit.

#### **Staying Active and Playing Safe**

Each day, hundreds of thousands of young athletes head out to fields, ice rinks and gymnasiums to practice and compete in a wide variety of sports. There is no doubt that sports are a great way for kids and teens to stay healthy, as well as to learn important leadership and team-building skills. At the same time, parents are increasingly concerned about the role of concussions in sports. Concussions can have a serious effect on young, developing brains, and can cause short- and long-term problems affecting how a child thinks, acts, learns, and feels. While most kids and teens with a concussion recover quickly and fully, some will have symptoms that last for days, or even weeks, and a more serious concussion can last longer.

Last fall, the Institute of Medicine and the National Research Council published a report that found that there are gaps in our concussions research knowledge and that there is a startling lack of data on concussions, especially in youth sports. The report also found that there is still a "culture of resistance" among athletes related to the self-reporting of concussions and the adherence to treatment plans once they experience a concussion.

#### **Advancing the Ball**

The President believes that we can and must do better. Raising awareness of and better protecting children and student athletes from concussions, and better identifying and treating them when they do occur, requires a team approach and we must work with the professional sports community, youth sports

programs, parents, school administrators, researchers, athletes, coaches, trainers, military service members and other stakeholders to make this effort successful. We all have a role to play in helping to prevent, identify and respond to concussions so that young people can remain active and healthy. And, we can all work together to ensure that when kids do experience concussion, they are covered thanks to the Affordable Care Act, which bans insurance companies from denying health coverage to kids and adults with pre-existing conditions, allows young adults to stay on their parents plans until their 26<sup>th</sup> birthday, and offers new, affordable health coverage options.

That is why the White House Healthy Kids & Safe Sports Concussion Summit is bringing together key stakeholders to highlight new commitments, including new public-private partnerships, to increase research that will expand our knowledge of concussions and to provide parents, coaches, clinicians, and young athletes tools to better prevent, identify and respond to concussions.

These commitments, many of which directly address some of the key recommendations of the IOM report, include:

*Expanding Research and Improving Data Collection*

- **The NCAA and the Department of Defense** are jointly launching a **\$30 million** effort to fund the most comprehensive clinical study of concussion and head impact exposure ever conducted and to issue an Educational Grand Challenge aimed at improving concussion safety behaviors in college sports and the military. This initiative aims to produce research on concussion risks, treatment and management through a multi-site longitudinal clinical study and advanced research projects. Through an Educational Grand Challenge, the initiative aims to create novel and impactful evidence-based concussion education materials and solicit research proposals to identify key factors for affecting change in the culture and behavior of college student-athlete and other young adult populations with regard to concussions.
- The **NFL** is committing **\$25 million** over the next three years to support projects and partnerships aimed at promoting youth sports safety, including support for new pilot programs to expand access to athletic trainers in schools, in conjunction with the **National Athletic Trainers Association**, and to support a Back to Sports program -- a collaboration with the **National PTA** and the **American Heart Association/American Stroke Association** -- to hold information sessions across the country to educate parents about sports safety and the value of sports participation and an active lifestyle.
- **The National Institutes of Health** is announcing the launch of a new longitudinal research effort to detect, characterize, and measure the chronic effects of repetitive concussions to inform clinical trials aimed at preventing or slowing disease progression in the future. NIH is being supported by the Foundation for the National Institutes of Health, starting with an initial investment of **\$16 million** from its first Sports Health Program partner, the **National Football League**. This funding, together with grants announced at the end of last year, fulfill the \$30 million commitment the NFL made to the NIH in 2012. This fall, the NIH will convene public and private funders of concussion and TBI research, including **NIH, the NFL, DoD, and NCAA**, with the goal of supporting enhanced coordination among research efforts and better leveraging of public and private investments to accelerate research outcomes.
- The **UCLA Steve Tisch BrainSPORT Program**, with a **\$10 million** investment from Steve Tisch, UCLA's Departments of Neurosurgery and Pediatrics will launch the UCLA Steve Tisch BrainSPORT Program to target sports concussion prevention, outreach, research and treatment for athletes of all ages, especially youth. The program will focus on strategies such as community education events, including a planned Southern California youth concussion day for players, coaches, parents and trainers; a new fellowship program training the next generation of pediatric sports neurologists; longitudinal research



studies to advance understanding of and treatment of concussion; and expanded treatment capacity through new multidisciplinary concussion clinics. In addition, this commitment will support a planning initiative to inform the development of a national system to accurately determine the incidence of youth sports-related concussions.

- **The National Institute of Standards and Technology** will invest **\$5 million** over five years as part of the Materials Genome Initiative, to work on tools to accelerate the development of advanced materials that can provide better protection against concussions for the athlete, the warfighter and others. These efforts aim to advance the development of new materials including light-weight, structural composite, and active or smart materials for protective gear.

- **Pop Warner Little Scholars** will participate this season in a research project modeled on the High School RIO reporting system, which tracks concussions and concussion trends in high school sports, to improve tracking of concussions among young athletes. 100 Pop Warner teams will participate in the RIO pilot. Pop Warner provides youth football and cheer and dance programs to approximately 425,000 young people ranging in age from 5 to 16 years old. **The Children's Hospital of Philadelphia** will launch a comprehensive pediatric and adolescent concussion registry to enable CHOP researchers to assess data for thousands of children with concussions to improve understanding of concussions and their impact on child health.

#### *Education and Awareness for Parents, Coaches and Athletes*

- **Safe Kids Worldwide, in partnership with Johnson & Johnson**, will host more than 200 sports safety clinics for parents, coaches and young athletes across the country, including education on concussions, and will release a research report this summer providing updated insights into the culture of youth sports today. **The Brain Injury Association of America** in collaboration with **SAP** will build an online application to help students, parents and educators better understand when to return to class after a concussion through a software platform that allows students, parents, educators, coaches and medical treatment providers to communicate.

- **USA Cheer** will roll-out a new Head Injury Protocol to over 300,000 cheerleaders and their coaches this summer at clinics around the country to teach coaches and cheerleaders how to prevent, identify and seek treatment for any suspected head injuries. **USA Cheer and its partners, the American Association of Cheerleading Coaches and Administrators, the U.S. All-Star Federation and the National Federation of State High School Associations** will release new, updated cheerleading safety guidelines to reduce head injuries in cheerleading.

- **U.S. Soccer** is establishing a Chief Medical Officer position to interface with the medical community and experts in the field of concussion management and prevention. **U.S. Soccer and Major League Soccer** will jointly organize a first-of-its-kind Medical Summit to, among other topics, lead a coordinated effort on concussion management and prevention initiatives. They also will use their platforms to communicate PSAs and other concussion-related messages including through U.S. Men's and Women's National Team games, MLS games and special events, and other venues.

- **The National Federation of State High School Associations** will host a concussion summit this year focused on promoting best practices to minimize injury risks in high school athletes. NFHS writes playing rules for high school level sports, reaching more than 19,000 high schools and more than 7.7 million participants in high school sports. **The National High School Athletic Coaches Association** will use its summer convention to provide education sessions on concussion for high school coaches and expand the concussion information on its Web site.

• **The Centers for Disease Control and Prevention** will promote the use of its new Heads Up to Parents app to help parents learn how to spot concussion symptoms and what to do if they think their child or teen has a concussion. In response to the Institute of Medicine's recommendation to evaluate education efforts, CDC will evaluate its Heads Up concussion education program to help ensure that its messages are best reaching parents, coaches and young athletes. It also will support the evaluation of 'return to play' laws.

#### *Educating Health Care Providers*

• **The American Academy of Neurology** will host its first multidisciplinary Sports Concussion Conference this summer and continue to support a national public education campaign to increase awareness of its clinical guidelines on sports concussions. **The American Psychological Association** will produce a Web-based Concussions Toolkit as a resource for psychologists on concussions research and clinical information. **The American Academy of Pediatrics** anticipates releasing an updated policy statement on sports-related concussion in children and adolescents in the fall of 2015. **The Centers for Disease Control and Prevention** will, by spring 2015, release the clinical guidelines it is developing for the appropriate diagnosis and management of children and teens with mild traumatic brain injury, including concussions, for use in doctor's offices and emergency departments. CDC has convened a Pediatric Mild Traumatic Brain Injury Guideline Workgroup composed of leading clinical experts to support the development of these guidelines.

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#### **VIDEO: Turning Sturgeon Into High-Tech Sensors**

Sturgeon in the Hudson River are being fitted with sonic transmitters to see if pile driving and construction on the new Tappan Zee Bridge is harming the imperiled Atlantic and shortnose sturgeon.

[Related Article](#)

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#### **United Way presents new out-of-school time learning modules**

Students spend only 20 percent of their waking hours in school, so afterschool, weekend and summer programs can make a difference in boosting academic outcomes, especially for students at risk of academic failure. United Ways, as key investors in summer and afterschool learning programs, can leverage their role as funders to strengthen program access, quality, sustainability, and student outcomes. With support from a grant from jcpenny and informed by many United Ways across the country, United Way Worldwide launched an online out-of-school time toolkit. The toolkit was developed to provide resources to United Ways and their community partners who seek to deepen their out-of-school time efforts so that more young people have access to quality programs. [more](#)

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#### **LLCF: Grants for Libraries**

The Lois Lenski Covey Foundation, Inc. annually awards grants to libraries and other institutions that operate a library for purchasing books published for young people preschool through grade 8. Maximum award: \$3,000. Eligibility: school libraries, non-traditional libraries operated by charitable 501(c)(3) and other non-taxable agencies, and bookmobile programs.

Deadline: June 16, 2014

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**<http://www.nytimes.com/2014/04/22/business/energy-environment/the-economic-and-environmental-costs-of-wasted-food.html?>**

[action=click&contentCollection=N.Y.%20%2F%20Region&module=RelatedCoverage&region=Marginalia&pgtype=article](#)

### **Small Farmers' Loss of Land Increases World Hunger**

Truthoutl By Stephen Leahy

The world is increasingly hungry because small farmers are losing access to farmland.

nativeonline.net

d's food but are now squeezed onto less than 25 percent of the world's farmland, a new report reveals. Corporate and commercial farms, big biofuel operations and land speculators are pushing millions off their land.

### **Grandma's Moccasins Come Home**

ROSEBUD INDIAN RESERVATION – Six items were returned to the \*Heyata Wicasa, three moccasins, a doll moccasin, a buffalo horn spoon and a buffalo effigy. The Peoples' belongings will be housed in Sinte Gleska University's museum and are dated by the... [ 43 more words.

### **Caveman Campsite Unearthed At Site Of New Embassy**

Construction is underway on the south side of the Thames River in London's Battersea neighborhood on a shiny crystalline cube that will house the new U.S. Embassy. But long before the site was set aside for diplomacy, it may have been a...

The Huffington Post|By Macrina Cooper-White

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