



National Creativity Network

ARTICLES OF INTEREST

December 6, 2019

QUOTE(S) OF THE WEEK

“The strongest nation on earth is your imagi-nation.” – Matt Furey

“One of my complaints is that you've got far more scientists than ever before but the pace of discovery has not increased. Why? Because they're all busy just filling in the details of what they think is the standard story. And the youngsters, the people with different ideas have just as big a fight as ever and normally it takes decades for science to correct itself. But science does correct itself and that's the reason why science is such a glorious thing for our species.” – Nigel Calder

“Make your ego porous. Will is of little importance, complaining is nothing, fame is nothing. Openness, patience, receptivity, solitude is everything.” – Rainer Maria Rilke

“Life is the art of drawing sufficient conclusions from insufficient premises.” – Samuel Butler

“The most difficult thing is the decision to act, the rest is merely tenacity.” – Amelia Earhart

“To be a catalyst is the ambition most appropriate for those who see the world as being in constant change, and who, without thinking that they can control it, wish to influence its direction.” – Theodore Zeldin

“I went to a restaurant that serves 'breakfast at any time'. So I ordered French Toast during the Renaissance.” – Steven Wright

VIDEO(S) OF THE WEEK

Doctors 'reanimate' heart for first-of-its-kind transplant in US

CNN

Cathy Mulzer: The incredible chemistry powering your smartphone
TED Talk

Daniel Bögre Udell: How to save a language from extinction
TED Talk

Sougwen Chung: Why I draw with robots
TED Talk

Sarmishta Pantham | Bring to a simmer
CreativeMornings/BERLIN

Making AI App to Save Lives
YouTube

Bill Gates explaining the internet to a smug David Letterman in 1995 is hilarious in hindsight
GOOD

Watch NFL alum Matthew Cherry's sweet animated short about a black father doing his daughter's hair
Fast Company

YouTube Rewind 2019: For the Record
YouTube

FEATURED EVENTS/OPPORTUNITIES

2019 Science and Cooking Lecture Series offers a global sampling of culinary creativity
Harvard John A. Paulson School of Engineering and Applied Sciences
Through December 9

MathAlive! exhibition Opens October 4, 2019 At The California Science Center
Yahoo! Finance
Through January 5

Cate Blanchett Dons 13 Guises in This Daring Art Installation
At the Smithsonian | Smithsonian
Through January 5

Viewing Iran and Its Complexities Through the Eyes of Visual Artists
At the Smithsonian | Smithsonian
Through February 9

Queens Museum Brings Rube Goldberg Machine to Life
Smart News | Smithsonian
Through February 2020

World's largest exhibit of LEGO art now open at Houston Museum of Natural Science

khou.com

Through March 29

TEDWomen 2019: Bold + Brilliant

TEDWomen

December 4 – 6 | Palm Springs, CA

'Star Trek' Internship Program Launches at CBS Television Studios, Television Academy Foundation

Diversity in STEAM Magazine

Deadline: January 21

JLABS @ Washington, DC Children's QuickFire Challenge

JLABS

Deadline: February 7, 2020

Call for Articles | Diversity and sustainability at work.

European Journal of Cultural Management and Policy | ENCATC

Deadline: February 14

2020 Emerging Creatives Student Summit

Alliance for the Arts in Research Universities (a2ru)

February 20 – 23

Call for Articles | encatcScholar

ENCATC

Deadline: March 9

AIGA Design Conference

AIGA

March 30 – April 1, 2020 | Pittsburgh, PA

TED2020: Uncharted

TED.com

April 20—24, 2020 | Vancouver, BC, Canada

Save the Date | ENCATC Congress

ENCATC – The European network on cultural management and policy

October 28 – 30, 2020 | Prague, Czechoslovakia

Call for Articles | General Issue

European Journal of Cultural Management and Policy | ENCATC

Deadline: Ongoing

CreativeMornings | a monthly breakfast lecture series

CreativeMornings

Various

Interactive Map | Festivals

Science Festival Alliance

Various

ARTICLES OF INTEREST

The PISA Illusion

Education in the Age of Globalization

Also

China's Schoolchildren Are Now the Smartest in the World

Bloomberg

'It Just Isn't Working': PISA Test Scores Cast Doubt on U.S. Education Efforts

The New York Times

Baby Yoda Has Conquered the World

Vanity Fair

Global Innovation Index 2019 - Executive version

World Intellectual Property Organization

Brown: Making Comics a treatise on how to be creative

Canada.com

Innovation Doesn't Happen Only in Urban Clusters

CityLab

Why Sundar Pichai Cannot Both Operate And Innovate At Alphabet And Google

Forbes

How Studying Bioluminescent Creatures Is Transforming Medical Science

Science | Smithsonian

Meet 'Cosmic Crisp,' a New Hybrid Apple That Stays Fresh for a Year

Smart News | Smithsonian

Once-a-Month Birth Control Pill Seems to Have Worked in Pigs. Are People Next?

Smart News | Smithsonian

The Toothpick That Saved a Neuroscience Experiment

Scientific American Blog Network

Program to Foster Next Generation of Minority Scientists

Inside INdiana Business

Opinion | Our Brains Are No Match for Our Technology

The New York Times

The role of the leader and continuous learning in the reskilling era

McKinsey & Company

People are tricking bots into stealing Disney and Nintendo IP to raise awareness about design theft

Fast Company

Throwing fermented grape skins on icy roads could help cut down our salt use

Fast Company

The effects of inequality run as deep as our microbiomes

Fast Company

We study the UX industry. Here's what will change in 2020

Fast Company

Taboo Breakers: Notes from Session 4 of TEDWomen 2019

TED.com

Also

Planet Protectors: Notes from Session 3 of TEDWomen 2019

TED.com

Pattern Makers: Notes from Session 2 of TEDWomen 2019

TED.com

Truth Tellers: Notes from Session 1 of TEDWomen 2019

TED.com

Bringing Short-Form Storytelling Into The 21st Century And Helping Young People Re-Engage With Reading

Imagination Matters

11-Year-Old Ballerina Dances Into History As 1st Black Lead in NYC Ballet's 'The Nutcracker'

Diversity in STEAM Magazine

New kind of alien 'mineral' created on Earth

National Geographic

These are the top 20 scientific discoveries of the decade

National Geographic

A Kenyan inventor's niece was born deaf so he made a glove that turns sign language into speech

GOOD

Move over Jordan, Nike has created a new shoe specifically designed for nurses

GOOD

Quotes by women in STEMM to inspire you to follow your dreams

YourStory

Spotlight on Youth: Introduce a girl to engineering day

KTUU

This Week in Washington IP: Fraudulent Trademarks, Facial Recognition Technology and Implementing MOBILE NOW for 5G Wireless Spectrum

IP Watchdog

Why scientists — not investors — should decide the future of technology

The Washington Post

These Two Sports Use Data To Create Augmented Reality Apps For Fans

Forbes

What Companies That Are Good at Innovation Get Right

Harvard Business Review

Seattle's working waterfront offers rare combination of maritime roots and high-tech economy

GeekWire

The Story Collider: Personal Stories About Science

Imagination Matters

What's Your Problem? Innovating by Self-Imposing Constraints

Our Innovating Minds | Psychology Today

Top 20 Innovation Articles of November 2019

Innovation Excellence

Honey, I Grew the Economy (Ep. 399)

Freakonomics

Scientists just engineered bacteria to eat CO2

Fast Company

Larry Page steps down as CEO of Alphabet, hands control to Google CEO Sundar Pichai

Fast Company

Council Post: Under What Values Should Innovation And Creativity Be Controlled?

Forbes

Is The Next Big Thing In Venture Capital Human Capital

Forbes

Is Entrepreneurship As Popular As We Think?

Forbes

AI with Creative Capabilities Is on the Horizon

ENGINEERING.com

Imagination Plus Expertise

The UCSB Current

Bizios named a fellow of the National Academy of Inventors

UTSA Today | UTSA | The University of Texas at San Antonio

Jeffrey Rimer recognized for pioneering work preventing kidney stones with crystals

EurekAlert! Science News

Moms Bring Science to Beaufort Classroom

Coastal Review Online

Diverse by Design: Episode 4 (Out of Many)

Sam Chaltain

Nature's Design Principles: Relationships

Sam Chaltain

The Art of Liz Lerman

Sam Chaltain

Nature's Design Principles: Information

Sam Chaltain

The Art of "Oh, My Sweet Land"

Sam Chaltain

Nature's Design Principles: Identity

Sam Chaltain

The Art of James Baldwin

Sam Chaltain

Fueled by the power of stories

MIT News

Alain de Botton on Existential Maturity and What Emotional Intelligence Really Means

Brain Pickings

An engineering approach to reduce the pain of chemotherapy

Purdue University News

Helping machines perceive some laws of physics

MIT News

David and Art - "A Spur to Creativity"

KWBU

What Happens When Machines Find Their Creative Muse

WIRED

Mathematics or perhaps memory space Examine charts wreck course inside brain

Rising Sun Chatsworth

Stimulus package: brain stimulation holds huge promise, but is critically under-regulated

The Conversation

Inspired by a bionic eye, startup Xailient is building tech allowing machines to 'see'

Smart Company

<https://www.smartcompany.com.au/startupsmart/profiles/xailient-ai-iot/>

Feed Navigator

How Does Colouring Help Kids imagination

The Science Times

Science Correspondent Alie Ward's Smart Advice for More Productivity, Stronger Connections, and Better Sleep

Thrive Global

Indian, Russian school students share best practices in contemporary innovation

The Economic Times

Why We Should Stop Conflating Cities With Innovation and Creativity

City Lab

7 Unmissable Innovations And The Latest Technology Trends At CES 2020

Forbes

From Leonardo DaVinci To Apple: Technology Influenced Our Society By Transforming Into Art

Forbes

What Companies That Are Good at Innovation Get Right

Harvard Business Review

These women entrepreneurs are reforming education through their innovative after-school programme

Makers India

[Recap] Learnings from Looking Inside Thousands of Businesses

IDEO U

Walking Across the World's Longest Pedestrian Suspension Bridge

National Geographic

How the pursuit of one European peak gave rise to modern mountaineering

National Geographic

A Tactile Atlas Helps the Blind 'See' Maps

National Geographic

Decision-making in the Age of the Algorithm

Nesta

The future of storytelling

Nesta

Reducing bias in funding decisions

Nesta

'The Future of X' Turns to Collaboration in the Workplace. Tune In

The New and the Next | OZY

A (Sunflower) Oil Baron Rises in Tanzania

The New and the Next | OZY

Where Tech Is Helping People Become Better Neighbors

The New and the Next | OZY

The Future of Your Car — and No, It's Not Google or Tesla or Uber

Rising Stars | OZY

The 100 greatest innovations of 2019

Popular Science

Also

2019's most innovative gadgets

Popular Science

The most impressive aerospace innovations of 2019

Popular Science

2019's most impressive automotive innovations

Popular Science

2019's coolest entertainment innovations

Popular Science

The most important engineering innovations of 2019

Popular Science

The 11 most noteworthy health innovations of 2019

Popular Science

The 9 most useful home products of 2019

Popular Science

The 10 most thrilling recreation innovations of 2019

Popular Science

The biggest security breakthroughs of 2019

Popular Science

How to lucid dream, and why you'd want to

Popular Science

London Exhibit Celebrates Indian Artists Who Captured Natural History for the East India Company

Smart News | Smithsonian

Every Year Just 'Bout This Time, Kurtis Blow Celebrates With a Rhyme

Smithsonian

Elizabeth I's 'Idiosyncratic' Handwriting Identifies Her as the Scribe Behind a Long Overlooked Translation

Smart News | Smithsonian

New Exhibition Leads to Discovery of Dutch Painter's Signature and Fingerprint

Smart News | Smithsonian

Is the EFF's New Board Chair Anti-Copyright? We Stand By Our Facts.

CreativeFuture

Beyond the Red Carpet, Movie and TV Magic Day

CreativeFuture | Facebook

2019 Artist Enemy #1: Cloudflare

The Trichordist

How Don Hertzfeldt Survives as an Indie Animator

Vulture

Understanding Diversity Journeys: Eli Lilly's World-Class D&I Research

Gallup

Women in Technology: Positive Outlook Requires Cultural Change

Newsmax.com

How 3D Printing Allows Medtech to 'Re-Imagine Innovation'

MDDI Online

MOULIN ROUGE THE MUSICAL Partners with New York Academy of Art to Support the Work of Emerging Visual Artists

BroadwayWorld.com

Reckoning with type 1 diabetes through art and advocacy

The Boston Globe

Innovation Corps transitions research to products

Iowa State Daily

Next-Generation Medicine Innovation and Manufacturing Center Planned for Boston

Genetic Engineering and Biotechnology News

Student groups receive grants to promote science in their communities

EurekAlert! Science News

Your creativity will keep you from becoming obsolete

The Seattle Times

More than just 'Friendly Manitoba' - vitality and innovation are the hallmarks as 'Manitoba's Top Employers' for 2020 are announced

Yahoo! Finance

Science's fake news problem: How funding pressures drive bad research

New Scientist

Could Fruit Flies Reveal the Hidden Mechanisms of the Mind?

Scientific American Blog Network

Mapping the Relay Networks of Our Brain

Technology Networks

If You Always Think the Way You've Always Thought, You Will Always Get What You Always Got

Imagineer7's Weblog

PANTONE's 2020 Color Of The Year Is The First To Ignite Multiple Senses

DesignTaxi.com

Opinion: We need to know what happened to CRISPR twins Lulu and Nana

MIT Technology Review

Also

China's CRISPR babies: Read exclusive excerpts from the unseen original research

MIT Technology Review

Why the paper on the CRISPR babies stayed secret for so long

MIT Technology Review

The newest gene editor radically improves on CRISPR

MIT Technology Review

This Is Why Hackathons Are Essentially Useless

Fast Company | Medium

Bringing Student Choice to Assessment in Science Classes

Edutopia

Transforming a School Through Arts Integration

Edutopia

How to Get the Most Out of a Diverse Classroom Library

Edutopia

Learning to Learn Beyond the Test

The Principal of Change

Storytelling can be harnessed for better policymaking

Nesta

Collaborative Problem Solving and Worked Examples in Code Clubs

Nesta

The 'gray wave' is changing the workforce. So what does it mean within the office?

Bizwomen

Opinion | A Better Internet Is Waiting for Us

The New York Times

Meet the Leftish Economist With a New Story About Capitalism

The New York Times

When you should go with your gut instead of logic

Fast Company

To build cities that survive climate change, we should emulate Earth's first creatures

Fast Company

Millennials are warming up to some baby boomer lifestyle choices—and vice versa

Fast Company

I let my staff do whatever they want every other Friday, and it's one of the best decisions I've ever made

Fast Company

4 Reasons Warm-Ups Will Fundamentally Change Your Work

IDEO Blog

This tech company is using AI and drones to plant trees

World Economic Forum

Alphabet Is Google Again

Bloomberg

The WasteShark Drone Eliminates Plastic Pollution From Oceans

Green Matters

In defense of Kodak and its ‘failure’ to innovate

Podium | The Next Web

“Student Centered, Future Focused”: Montour School District Designs Schools That Are Future Ready

Alliance For Excellent Education

The thing about hot button issues

Seth's Blog

The Future of Explore and Exploit

Innovation Excellence

Five New Innovation Books for the Holidays.

Innovation Excellence

The sun keeps getting stranger, dive-bombing solar probe shows

National Geographic

3 Tips for Generating a Performance Bonus Through Diversity

Decisions Defined | Psychology Today

Mister Rogers Neighborhood and Generation X

Vulture

Interview: Discover Bisa Butler’s Approach to ‘Painting with Fabric’

Colossal

Returning to Roots: A New Book Highlights How Indigenous Practices Can Create More Sustainable Technology

Colossal

D.C. Fontana, First Female ‘Star Trek’ Writer, Dies at 80

The New York Times

The lyrics site Genius says it’s caught Google “red-handed” copying it, files \$50 million lawsuit

Fast Company

This MIT climate solutions simulator lets you design the perfect plan to end the climate crisis

Fast Company

Stop the science training that demands ‘don’t ask’

Nature

Why tech companies need to hire philosophers

Quartz

Facebook’s Head of AI Says the Field Will Soon ‘Hit the Wall’

WIRED

Universities’ Crucial Role in Our Spacefaring Future

Inside Higher Ed

Facebook’s Andrew ‘Boz’ Bosworth Donates \$1 Million To 4-H For STEM Education

Forbes

Doctors are using TikTok to blow off steam and educate teens

Mashable

U.S. Students Show No Improvement in Math, Reading, Science on International Exam

U.S. News

Local robotics teams compete in Madison

Coulee Courier

5 Resume Hacks for Engineers

Interesting Engineering

The Digital Courseware Accessibility Problem

Inside Higher Ed

Robotics for Education – ST Robotics Readies Engineering Students for Robotics Careers

AiThORITY

Commentary: Math scares your child’s elementary school teacher — and that should frighten you

Chicago Tribune

A Way to Reduce the Science Achievement Gap

Scientific American

K–12 Education’s Top Tech Hurdles to Innovation

EdTech Magazine

Ford, McDonald's team up to use coffee bean skins to make lighter cars

L.A. Biz

Value of Innovation

Killer Innovations with Phil McKinney

Cultivating Your Creativity

Creativity Goes Wild

Attention vs. the chasm

Seth's Blog

The attention crisis is real

Seth's Blog

A Piece of Trash with Four Simple Words Changed My Life and Maybe Yours Too

Innovation Excellence

Leading the Charge to Disrupt Your Industry

Innovation Excellence

Here's Why The Robots Won't Really Take Over

Innovation Excellence

Innovation Maturity Matrix – A Model to Successful Innovation Transformation

Innovation Excellence

Just Say No to Cubicles

Innovation Excellence

Museum Of The Future: Designed By An Algorithm

Imagination Matters

A Closer Look at Ties: An Microscopic Introduction to Woven and Printed Textiles

Virginia Postrel

Showing Latino Students “You Can Do It!”

Diversity In STEAM Magazine

Five Minutes with Intel Software Quality Engineer Karla Bracamonte

Diversity In STEAM Magazine

He Was Abandoned Near A Dumpster As A Baby. Now He's The CEO Of A Company Valued Over \$62 Million

Diversity In STEAM Magazine

Igniting Passion And Diversity In STEM

Diversity In STEAM Magazine

From Science Class to the Stock Exchange

Diversity In STEAM Magazine

We're turning to offbeat foods to survive a harsher climate

National Geographic

Why is an ocean current critical to world weather losing steam? Scientists search the Arctic for answers.

National Geographic

Mysterious tectonic fault zone found off California

National Geographic

Write Two Pages and Call Me in the Morning

Last Stop on the Struggle Bus | Psychology Today

French Artist Paul Sougy's Stunning Mid-Century Scientific Illustrations of Plants, Animals, and the Human Body

Brain Pickings

An Art Museum's Pledge to Women Draws Skepticism

CityLab

Russia and Syria sign agreement to restore ancient city of Palmyra

The Art Newspaper

Before The Sun criticizes BSO, it ought to consider its own failure to adequately cover the arts

Opinion | Baltimore Sun

On Discord With the Boys Scalping Harry Styles Tickets

The Atlantic

Is There a Crisis of Truth?

Los Angeles Review of Books

Is Instagram Now a Ballet Dancer's Best Pathway to Fame?

Observer

Jordan Peterson and the Surrender of the Cultural Gatekeepers

GEN | Medium

'Sesame Street,' a recipient of the Kennedy Center Honors, taught the world how to be nice

The Washington Post

It's crunch time for Seattle-based photo giant Getty Images, and for photographers

The Seattle Times

Is classical music ahead of the streaming curve?

Pittsburgh Post-Gazette

The "little orchestra" called Pink Martini strives for beauty and inclusivity.

Monterey County Weekly

We can save our planet and stop behaving like ‘robots,’ says environmental artist Agnes Denes
Fast Company

Mexican Artist Pedro Reyes Molds 1,527 Guns into Shovels Used to Plant Trees
Colossal

Download More Than 300 Art Books From the Getty Museum’s Virtual Library
Colossal

#

This email is a free service of the **National Creativity Network (NCN)**. The articles are from a variety of sources and, therefore, do not necessarily reflect the views of the NCN. Despite our best efforts, links may fail without warning since each news source posts and archives its articles differently. We apologize for any inconvenience.

Have you found an article you’d like to share? Email the link to george.tzougros@wisconsin.gov.

#

The **National Creativity Network** believes that by fostering creativity in our society as a whole, and specifically with future generations, America can remain a leader in innovation and free enterprise. The very future of our communities and institutions depends on our ability to nurture and harness imagination to creatively solve problems. If creativity is to be nurtured, systems, institutions and networks must be transformed.

The opportunities that emerge to transform our nation are largely dependent upon the degree to which we are connected to each other. Our connection will become a catalyst:

- to enhance the flow of relevant information,
- and to improve the ease with which key nodes of creativity, be they in the domains of Education, Commerce, Culture or across disciplines, can gain access to the best thinking, best questions, and most successful practices as well as other resources their ventures may require.

Our strategy is to engage thought leaders across North America to create a powerful network for transformation.

Join Us!

For more information, please go to our [web site](#) or

National Creativity Network
133 West Main Street, STE 100
Oklahoma City, Oklahoma 73102
<http://nationalcreativitynetwork.org>

Visit our [Facebook page](#) and follow us on [Twitter](#).