



National Creativity Network

ARTICLES OF INTEREST

December 13, 2019

QUOTE(S) OF THE WEEK

“A ship in port is safe; but that is not what ships are built for. Sail out to sea and do new things.” – Grace Hopper

“It is better to ask some of the questions than to know all the answers.” – James Thurber

“You can't depend on your eyes when your imagination is out of focus.” – Mark Twain

“Imagination is the Discovering Faculty, pre-eminently. It is that which penetrates into the unseen worlds around us, the worlds of Science.” – Ada Lovelace

“Every composer knows the anguish and despair occasioned by forgetting ideas which one had no time to write down.” – Hector Berlioz

“There are no rules. That is how art is born, how breakthroughs happen. Go against the rules or ignore the rules. That is what invention is about.” – Helen Frankenthaler

“To solve the problems of today, we must focus on tomorrow.” – Erik Nupponen

“The great tragedy of Science --- the slaying of a beautiful hypothesis by an ugly fact.” – Thomas H. Huxley

“After a certain high level of technical skill is achieved, science and art tend to coalesce in esthetics, plasticity, and form. The greatest scientists are always artists as well.” – Albert Einstein

VIDEO(S) OF THE WEEK

The complicated ethics of genetic engineering

60 Minutes | CBS News

The Mushroom Hunters: Neil Gaiman's Subversive Feminist Celebration of Science and the Human Hunger for Truth, in a Gorgeous Animated Short Film
Brain Pickings

Make way for Little HERMES, the lightweight bipedal robot
YouTube

Your Body Can Inspire Your Creativity, University of Arizona Psychologist Says in New TEDx Talk
PRNewswire

How I use art to tackle plastic pollution in our oceans
TED Talks

3 ways to be a more effective fundraiser
TED Talks

Geometric Volumes and Humanoid Figures Shape-Shift in a New Animation by Guldies
Colossal

Tanya Torp | Radical Hospitality
CreativeMornings/LEXINGTON

7 Sci Fi Predictions That Came True | Frankenstein Nailed It
Popular Science

The top 5 creative brand ideas you need to know about right now: December 9, 2019
AdAge.com

FEATURED EVENTS/OPPORTUNITIES

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

'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

NEW 2020 ENCATC Academy on Cultural Relations and Diplomacy

ENCATC – The European network on cultural management and policy

May 27 | New York, NY

NEW 2020 ENCATC-AAAE-TACPS Global Conversation

ENCATC – The European network on cultural management and policy

May 29 | New York, NY

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

Ford will cut down plastic use by recycling McDonald's coffee into car parts

GOOD

Robot Debates The Dangers Of Artificial Intelligence

Imagination Matters

The Future Of Work In 2020 And Beyond

Forbes

United Nations Creative Economy presentation

David Parrish

People are innovation drivers, not tech

TechHQ

Preschoolers can learn complex math topics. Here's how to help them.

The Hechinger Report

Megan Rapinoe: Sports Illustrated 2019 Sportsperson of the Year

Sports Illustrated

Babson College report: American entrepreneurship is at an 'all-time high'

Boston Business Journal

Philly's new 'poetry ambassador' champions creativity

KYW

NYU Langone Creates Cutting-Edge Biotech "Incubator" in Manhattan

P&T Community

Experts Forum: Creating a cluster of innovation in Rochester

Finance & Commerce

Five tech startups receive a total of \$275,000 in support from Innovation Fund Northeast Ohio

Crain's Cleveland Business

Final USMCA Text is a Missed Opportunity for Innovation

IP Watchdog

Scientists develop a first-of-its-kind in vitro 3D neural tissue model

The Science Advisory Board

A Year in Pictures 2019 EBook

Technology Networks

Foiling epilepsy in a brain at risk

Science

Jack Dorsey Wants to Help You Create Your Own Twitter

WIRED

The DIY Rapper Shoots for the Big Time

*Good Sh*t | OZY*

Facebook stock takes a beating on report that the FTC might thwart its grand unification plans

Fast Company

Marissa Mayer's new project is a suite of timesaving apps

Fast Company

Can 5G replace everybody's home broadband?

Ars Technica

Making fairness convenient

Seth's Blog

Gorgeous Vintage Posters of Animals and Scientific Phenomena by Japanese Graphic Designer, Illustrator, and Printmaker Kazumasa Nagai

Brain Pickings

Opinion: The Uncomfortable Limits of Human Knowledge

The Scientist Magazine®

Why are so many AI systems named after Muppets?

The Verge

Chicago's Shedd Aquarium is in the Bahamas working to save the world's coral reefs

Chicago Tribune

Good ideas don't care where they came from

gapingvoid.com

Why "Move Fast and Break Things" Doesn't Work Anymore

Harvard Business Review

A new way to make quadratic equations easy

MIT Technology Review

Values and Metrics for The Inclusive Creative Economy

Medium

Minetto sixth graders learn "Ratios in Restaurants"

Education | nny360.com

Cohen & Briery: Math Is Everywhere, Not Just in the Classroom. How to Make Your School Playground an Outdoor Math Learning Lab

The 74

The 'Blameless Post Mortem' and Other Techniques That Spur Innovation

Fortune

School district announces 'bold' proposals to revamp middle school math

News | Palo Alto Online

Want to Make Your City a Startup Hub? You'll Need to Befriend 25 Founders, 8 Investors, and 10 Experts First

Inc.com

Science quality and the value of inventions

Science Advances

The Brain Science of Listening to a Diverse Array of Music

Verily

Is It Ethical to Grow a Brain in a Petri Dish?

JSTOR Daily

Screens in the Classroom: Tool or Temptation?

The New York Times

The true nature of creativity: pilfering and recombining the work of your forebears (who, in turn, pilfered and recombined)

Boing Boing

The songwriter is creative -- the singer, not so much

EurekaAlert! Science News

Innovation Hub provides funding to seven entrepreneurial teams

UB Now | University at Buffalo

Future-proofing engineers for the 21st century

Study International

How Amazon is helping train the next generation of engineers

The Hill

STEM bill sponsored by Jacky Rosen heads to president's desk

Las Vegas Review-Journal

Chance the Rapper Enlists Chicago Students to Code 'I Love You So Much' Video Game

Rolling Stone

Diversity initiatives help change the face of Berkeley computer science

Berkeley News

Antibiotic resistance and cancer: six surprising places scientists are looking for new drugs

The Conversation

The Ten Best Science Books of 2019

Science | Smithsonian

How China Manipulates Foreign Firms | OZY

Around the World | OZY

SpaceX will test making Starlink satellites less shiny to appease angry astronomers

MIT Technology Review

After Leading a Dozen Startups Here is What Four Biotech Founders Had To Share About Their Success

BioBuzz

Is Free Shipping Sustainable for Retailers?

Knowledge@Wharton

The Accidental Movie Mogul

Chicago Magazine

This ingenious airline seat will making flying coach less awful

Fast Company

The world's most beautiful architecture is also the most equitable

Fast Company

Should you get medical advice from a bot? Doctors aren't so sure

Fast Company

Personalized brain maps could improve treatment for Parkinson's disease, other neurological conditions

Medical Xpress

How to Give Sensitively: Edmund Burke's Remarkable Letter to His Children About Generosity and the Importance of Honoring the Dignity of Those in Need

Brain Pickings

How reading has changed in the 2010s

BBC - Culture

Is this cave painting humanity's oldest story?

Nature

How the Hawaiian Language Was Saved From Extinction

The Atlantic

Join us in celebrating CSEdWeek

Google for Education

What businesses can learn from the arts

Bartleby | The Economist

Who's the Tallest?

Brain Workout | Psychology Today

2019 Education Research Highlights

Edutopia

Bloomberg 50

Bloomberg

Want To Drive Innovation? Hire More Women Leaders.

Forbes

Creatives Should Be Paying Attention to the Ongoing Fight Over 'Shake It Off'

LA Magazine

New Missoula library to provide STEM training in partnership with UM

Missoula Current

To Decode the Brain, Scientists Automate the Study of Behavior

Quanta Magazine

How the Science of Brain Health Inspires a Storyteller

Next Avenue

7 of the best games and toys invented by women

Big Think

8 artworks that made us question the value of art

CNN Style

A Few Cities Have Cornered Innovation Jobs. Can That Be Changed?

The New York Times

Scientist or entrepreneur? Blavatnik Fund lets Yale researchers be both

Yale News

Expanding Female Engagement In STEM Can Prepare Industries For The Fourth Industrial Revolution

Forbes

College still indispensable to black empowerment | Kim Trent

Opinion | Detroit Free Press

Scientists Pumped Ovarian Tissue Full of Sugar and Microwaved It. Here's Why

At the Smithsonian | Smithsonian

The World's Oceans Are Being Starved of Oxygen

Smart News | Smithsonian

A new take on creating an invisibility shield borrows from classical physics

Popular Science

Meet the man who restores old music to its original glory

Popular Science

Codifying collective intelligence with UNDP

Nesta

Hold that thought: a bite-sized episode

Nesta

The Age of Moonshots

Barron's

Brookings Institute Suggests Congressional Action for Innovation Sectors

Morning Brew

The worst tech of the decade, including the Galaxy Fold & Google Glass

Business Insider

Debunking the Myth of Who Funds Biomedical Innovation

Morning Consult

Why You Should Teach Your Kids to Cook

TIME

2020 SAG Nominations: Full List of Nominees

Variety

How the exhibit designer behind the Obama Presidential Center captures the attention of children and adults alike

Fast Company

Greta Thunberg was just named 'Time' magazine's 2019 'Person of the Year'

Fast Company

AIM was the killer app of 1997. It's still shaping the internet today

Fast Company

Amazon and Apple will be our doctors in the future, says tech guru Peter Diamandis

Fast Company

The world's first 3D-printed neighborhood now has its first houses

Fast Company

Why the rise of the app has put thousands of people in the hospital

MIT Technology Review

China orders government agencies to replace all foreign computer equipment within 3 years

SiliconANGLE

5 libraries doing innovative things to help their communities

World Economic Forum

2020: How tech has changed our lives in 10 years before Alexa and Uber

USA Today

Unleashing the Disruptive Forces of 3D Printing

MarketWatch

New report displays the perils of not spreading the wealth on innovation

SFGate

Watches, Art & Ownership

The Creativity Post

Learn from what you find, if it helps

Seth's Blog

Winning the Explore and Exploit Game

Innovation Excellence

Holiday-Books-2019 | Bill Gates

Gates Notes

What are carbon offsets? Here's why travelers are buying them.

National Geographic

The Responsibility Of Intellectuals Who Teach

3 Quarks Daily

Revised Guidelines Redefine Birth Years and Classifications for Gen X, Millennials, and Generation Z

Mental Floss

Is Mobile Phone Shaming Next?

Bill Geist's Zeitgeist

The cofounder of Refinery29 has some frank truths about creativity and leadership you need to hear

Fast Company

Science is a Visual Medium, Fall 2019

University of Minnesota

December 10

From depression to Parkinson's disease: The healing power of dance

The Conversation

Would Prince Have Wanted His Rough Drafts Made Public?

The New York Times

How Do You Raise The Odds Of Creative Breakthrough? Rather Than Search For Answers, Seek Out Your Simple Truths

The Creativity Post

Tech CEOs Visit Africa As 'Source Of Innovation And Talent'

Forbes

Why We Need To Disseminate Innovation To Overcome The Productivity Paradox

Forbes

Animation: Visualizing Moore's Law in Action (1971-2019)

Visual Capitalist

Merriam-Webster's Word of the Year Is 'They'

Mental Floss

New Book Collects ROA's Black-and-White Creatures in Photographs from Around the World

Colossal

Spotlight on the American Samoa Council on Arts, Culture and the Humanities

National Endowment for the Arts

Self-censorship is the enemy of creativity

spiked

How to See Change Before Everyone Else

Innovation Management

His Piano-Playing Phenom Is Turning NBA Scouts' Heads

The New and the Next | OZY

The trolls are teaming up—and tech platforms aren't doing enough to stop them

Fast Company

The secret history of the Motorola Razr, the first great phone of the millennium

Fast Company

Sam Smith and other gender-nonconforming people helped make 'they' Merriam-Webster's 2019 word of the year

Fast Company

These are the 10 worst states for millennials

Fast Company

How AIM, the original killer app, invented the web

Fast Company

Nike debuts a groundbreaking new modesty swimsuit

Fast Company

The Window of Corporate Innovation Opportunity

Innovation Excellence

Great Ideas are NOT Accidental!

Innovation Excellence

The Courage To Speak Up

Innovation Excellence

15 Books To Inspire A Culture Of Empathy

Imagination Matters

Why the Whakaari/White Island volcano eruption caught the world by surprise

National Geographic

These are the top 20 scientific discoveries of the decade

National Geographic

Curiosity, Creativity, and a Meaningful Christmas

Adventures in Divergent Thinking | Psychology Today

Creative Ways of Dealing With the Loss of a Loved One

The Empowerment Diary | Psychology Today

Book review of Edison by Edmund Morris

The Washington Post

Here's why North Texas dance artists are growing a podcast and presenting an international film festival

Dallas Morning News

A Paper Monster Named Musgor Inhabits a Future World in 'Urban Mutations'

Colossal

How an Icy Moon of Saturn Got Its Stripes

The New York Times

Bipartisan support for tech innovators makes U.S. No. 1

Washington Times

How Technology Is Augmenting Traditional Theater

Forbes

Opinion: Alberta's own Silicon Valley will double down on innovation

Edmonton Journal

'Innovation Lab' Takes STEM Technology From School To School

CBS Denver

As Big Pharma Abandons Neuroscience, Can Biotech Provide Answers?

Labiotech.edu

Crab Neurons Help Decode the Human Brain

Technology Networks

How Playing the Drums Changes the Brain

Technology Networks

For the First Time, Scientists Have Reversed Dementia in Mice With Drug That Reduces Brain Inflammation

Good News Network

Research reinforces music's impact on the developing brain

ScienceBlog.com

Will the next Mozart or Picasso come from artificial intelligence? No, but here's what might happen instead

Ladders

Caroll Spinney, Big Bird's Alter Ego on 'Sesame Street,' Is Dead at 85

The New York Times

Teen Makes 'Armor' That Blocks Radiation During Cancer Treatments, Reducing Exposure By Whopping 75%

Diversity In STEAM Magazine

Why Learning With Imagination Matters In Education

Imagination Matters

Can Biology Class Reduce Racism?

The New York Times

Golden Globes 2020: The Complete Nominations List

Variety

Also

Golden Globes: Women Shut Out of Directing Category

Variety

2020 Golden Globes Nominations Snubs & Surprises

Variety

How Can Beehives Help Engineers Remove Ice from Power Lines After A Storm?

Imagineer7's Weblog

How to Prototype Organizational Change

IDEO U

Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities, Says New Report, Which Identifies Effective Mentoring Practices

National Academies of Sciences, Engineering, and Medicine

Is it possible to draw the internet? This 22-year-old illustrator gets close

Fast Company

Why Teachers Need to Incorporate Physical Computing into Computer Science Lessons

THE Journal

Across the country, robots are helping students learn to love STEM

The Seattle Times

Women Head Five Engineering Departments at MIT

All Together

University incubators may lead to lower-quality innovation, new study shows

Spring Hill Insider

This map shows the fastest-dying jobs in every US state

Business Insider

Architects Are Playing With the Future of Design in Video Games

OneZero | Medium

Add a dash of chemistry for the best microwave mug cake of your life

Popular Science

Five ways that ESG creates value

McKinsey & Company

Stop Saying Driverless Cars Will Help Old People

WIRED

How to get out of the weeds and make time for big-picture thinking

Fast Company

Apple just bought the first-ever batch of carbon-free aluminum

Fast Company

Simon Sinek Explains Why Playing An 'Infinite Game' Could Define the Future of Work

The New and the Next | OZY

Best Art of 2019

The New York Times

Times Critics' Top Books of 2019

The New York Times

Best Movies of 2019

The New York Times

Best Theater of 2019

The New York Times

The 'department store of the future' is here to save NYC from the retail apocalypse

Fast Company

These 5 cities account for 90% of the growth in high-tech jobs

Fast Company

Machine learning could transform medicine. Should we let it?

Fast Company

Does a company really care about diversity and inclusion? Here's how to tell

Fast Company

Inside Intel's billion-dollar transformation in the age of AI

Fast Company

The first algae-based ink is derived from spirulina instead of petrochemicals

Fast Company

Why it matters that female M.D.'s aren't called "doctor" as often
Fast Company

Biased Algorithms Are Easier to Fix Than Biased People
The New York Times

The 2020 Crystal Ball: The Hope for 2020 (part 4 of 4)
Forbes

Also
The 2020 Crystal Ball: The Adversary (part 2 of 4)
Forbes

2020 Cyber Crystal Ball: Extending From 2019 (part 1 of 4)
Forbes

Amazon Officially Enters the Quantum Computing Race
Gizmodo

A dangerous woman: Pat Mitchell speaks TEDWomen 2019
TED Blog

Also
Wayfinders: Notes from Session 6 of TEDWomen 2019
TED Blog

Meaning Seekers: Notes from Session 5 of TEDWomen 2019
TED Blog

The Courage To Speak Up
Innovation Excellence

How To Stay Relevant In Complex Changing Times
Innovation Excellence

How To Build An Ecosystem Strategy
Innovation Excellence

Why Sick Care Innovation Centers Don't Deliver
Innovation Excellence

Bringing Storytelling Into 21st Century With Nesta
Imagination Matters

Creative Ways of Dealing With the Loss of a Loved One
The Empowerment Diary | Psychology Today

'The Irishman,' 'Gemini Man,' and the Rise of De-aging
The Atlantic

Paintings From Prado Museum Collection Given Climate Change Makeovers
Colossal

Intricate Battleships by Atsushi Adachi are Constructed from Vintage Newspaper
Colossal

NJ Labor Department Announces First Recipient of New Innovation Research Fellowship Grant
Insider NJ

'They're Trying to Wipe Us Off the Map.' Small American Farmers Are Nearing Extinction
TIME

Long Sidelined, Native Artists Finally Receive Their Due
Smithsonian

Letter: Standardized tests don't help students be creative
The Salt Lake Tribune

Yes, We Still Need to Focus on Women in Tech
NextGov.com

5 things to know about Sundar Pichai, CEO of Google and Alphabet
Silicon Valley Business Journal

People listen to Greta Thunberg because of her creativity, not just her science
Education | Guardian

There Still Aren't Any Rules Preventing Rogue Scientists From Making Gene-Edited Babies
OneZero | Medium

National Film Board of Canada announces restructuring and layoffs
660 City News

How William Gibson Keeps His Science Fiction Real
The New Yorker

The True History of the Aeronauts Who Transformed Our View of the World Above
History | Smithsonian

How Computer Code Became a Modern Design Medium—an Oral History
Eye on Design | AIGA

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

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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

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<http://nationalcreativitynetwork.org>

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