Agriculture & Biosciences

New Video Provides Overview of New Hampshire’s Forest-Based Industry

NH Wood – NH Good: Working Forests for New Hampshire, produced by UNH Cooperative Extension, showcases the state’s forestry industry, including its foresters, loggers, truckers, sawmill managers, and wood energy facilities. The video is designed to inform economic development practitioners and community decision makers about the NH forestry industry, which contributes $1.4 billion to New Hampshire’s economy. View the video here.

http://extension.unh.edu/articles/New-Video-Provides-Overview-New-Hampshire%E2%80%99s-Forest-Based-Industry

NHAES Sets Research Education Sessions for 2015 NH Farm and Forest Expo

Scientists with the NH Agricultural Experiment Station and the College of Life Sciences and Agriculture will discuss their latest research on forest resource management and innovations for New Hampshire agriculture at the upcoming 2015 New Hampshire Farm and Forest Expo. According to Tori Berube, manager of the Expo, “the research UNH scientists will share during this expo workshop will undoubtedly help those working in the forestry and agriculture fields in New Hampshire make informed decisions about their own business.” The education sessions will be held on Friday, February 6th from 9:30 am to 12:30 pm in the Webster Room, Radisson Hotel, 700 Elm Street, Manchester, NH.

http://colsa.unh.edu/aes/article/2015farmandforest

Business & Technology

If You (Re)build It, Will They Come?

Christine Soutter, economic development manager for the city of Somersworth, was one of 26 community leaders to attend UNH’s Economic Development Academy, a recent series of intensive workshops created by the UNH Cooperative Extension and the Office of the Senior Vice Provost for Engagement and Academic Outreach. Soutter’s experiences in the Academy – exploring research, hearing from experts, and conversations with other Academy attendees – have inspired her as she spearheads an effort to rejuvenate downtown Somersworth.

http://extension.unh.edu/articles/If-You-Rebuild-It-Will-They-Come
Restaurant Sector Drags Down UNH Franchising Index in 3rd Quarter 2014

The UNH Rosenberg Center Franchise 50 (RCF 50) Index, which tracks publicly traded companies in the U.S. engaged in business format franchising, reflects a 1.0 percent decline in the third quarter of 2014. Hachemi Aliouche, co-director of the Rosenberg International Franchise Center at the UNH Peter T. Paul College of Business and Economics, attributes the drop to the poor performance of restaurant franchisors, although he points out that the RCF 50 index “continues to outperform the S&P 500 Index” for 2014.

http://www.unh.edu/news/releases/2014/12/em17franchising.cfm

The Innovators: Entrepreneurs Earn Top Honors, Seed Dollars in N.H. Social Venture Innovation Challenge

The N.H. Social Venture Innovation Challenge is designed to be an “innovation accelerator” as participants develop original proposals for sustainable, market-based solutions to societal challenges. Organized and hosted at UNH by the Peter T. Paul College of Business and Economics, the Carsey School of Public Policy, the Sustainability Institute at UNH, NH EPSCoR, and Net Impact UNH, the 2014 Challenge had 158 individuals representing 71 teams of college students and community members who competed to design entrepreneurial concepts to tackle major local and global challenges such as climate change, access to clean water, food access and food waste, and community economic development.

http://www.unh.edu/news/releases/2014/12/em18svic.cfm

Engineering & Physical Sciences

UNH’s Kevin Short Named a National Academy of Inventors Fellow

UNH mathematics professor Kevin Short has been named a fellow of the National Academy of Inventors (NAI). Short’s research has catalyzed innovations in audio and video compression, audio restoration, speech recognition, improved hearing aids, and data encryption and storage. Election to NAI Fellow status is a distinction accorded to academic inventors who have demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions that have made a tangible impact on quality of life, economic development, and the welfare of society.

http://www.unh.edu/news/releases/2014/12/em16short.cfm

Health, Behavioral & Social Sciences

Carolyn B. Gamtso, Associate Professor/Reference and Instruction Librarian, UNH Manchester  & Patricia A. Halpin, Assistant Professor of Biology, UNH Manchester – Ireland

With assistance from the UNH Center for International Education, the UNH Manchester Humanities and Science & Technology Divisions, and the UNH Manchester Deans and Chairs, Carolyn Gamtso and Patricia Halpin travelled to Limerick, Ireland in August 2014. While there, the two UNH Manchester professors participated jointly in a panel discussion at the Information Literacy Section Satellite Meeting of the International Federation of Library Associations,
presenting the results of their collaborative research on student learning and information literacy in an online environment.

http://unh.edu/cie/carolyn-gamtso-and-patricia-halpin

**Citizen Schools Founder Named Carsey 2014 Social Innovator of the Year at UNH**

Eric Schwarz, founding CEO of the Boston-based Citizen Schools and executive chairman of US2020, has been named the Carsey 2014 Social Innovator of the Year in recognition of his demonstrated commitment to social innovation. Schwarz was honored at the New Hampshire Social Venture Innovation Challenge in December, where he led a workshop and delivered the keynote address on social entrepreneurship and systemic social change.

http://www.unh.edu/news/releases/2014/12/em09carsey.cfm

**In Science We Trust?**

Lawrence Hamilton, professor of sociology and senior fellow at the Carsey School of Public Policy at UNH, and Kei Saito, a Ph.D. student in sociology at UNH, have found that climate change is currently the most divisive political issue for New Hampshire residents. Hamilton says that Republicans and Democrats are more at odds over their beliefs on climate change than on any other science and environmental issue, but also that the majority of Republicans are closer to Independents than they are to Tea Party members on this issue.

http://www.unh.edu/unhtoday/unhtoday/2014/12/science-we-trust
http://cola.unh.edu/article/2014/12/unh-research-environment-republicans-closer-independents-tea-party
http://www.unh.edu/news/releases/2014/12/bp02environment.cfm

**International Research by UNH Faculty**

Information about UNH professors’ international research activities, grants, and related publications was presented in the Fall 2014 issue of *The UNH International Educator* newsletter.

http://www.unh.edu/cie/newsletter/2014/fall/intl-research.html

**MVP: Tackling Some of Football’s Biggest Safety Questions**

Erik Swartz, professor of kinesiology, is a leader in the efforts to improve safety in football. He serves on the National Football League’s Head, Neck, and Spine Safety Equipment and Rules Subcommittee, and his research contributed to the league’s banning of overbuilt facemasks in the 2014-15 season. His research also affects younger players – he currently is working with the UNH Wildcats football team to test Helmet-less Tackling Training (HuTTTM) which trains players to tackle in a way that reduces head and neck injuries. Swartz will extend the HuTTTM testing to high school football players in 2015.

http://www.unh.edu/unhtoday/unhtoday/2014/12/mvp

**New Population Projections Reflect Slower Growth and Increasing Diversity**

According to Kenneth Johnson, professor of sociology and senior demographer in UNH’s Carsey School of Public Policy, new data released by the Census Bureau shows that the pace of population growth in the U.S. is slowing while the population continues to become more diverse. Johnson analyzed the Census Bureau’s projections, which he said were in keeping with recent population growth trends.
Our Better Angels

In his new book, *All Eyes Are Upon Us: Race and Politics from Boston to Brooklyn*, assistant history professor Jason Sokol examines the complicated race relations in the northeast United States. He says that the actions of white northeasterners frequently have not lived up to their professed ideals, and presents current examples to show that this pattern still exists today.

http://cola.unh.edu/article/2014/12/our-better-angels
http://cola.unh.edu/article/2014/11/sokol-racial-equality-northeast

Professor Corinna Jenkins Tucker Publishes Carsey Brief

Through the Carsey School of Public Policy at UNH, professor of human development and family studies Corinna Jenkins Tucker recently published a brief based on data from the Coös Youth Study in which she examined Coös County adolescents’ reports of household chaos. Tucker found that household chaos – characterized by high levels of environmental noise, crowding, disorganization and instability – generally is low in Coös County, but there is variability in the extent of adolescents’ experiences with chaos. She also found, consistent with previous research, that household chaos was related to adolescents’ reports of lower quality relationships with mothers and fathers.

http://chhs.unh.edu/article/2014/12/professor-jenkins-tucker-publishes-carsey-brief

Rosemary M. Caron Publishes Book Titled *Preparing the Public Health Workforce: Educational Pathways for the Field and the Classroom*

To help provide a clear understanding of public health and its goals for the general public, Rosemary Caron, associate professor of health management and policy in UNH’s College of Health and Human Services, has written a book that summarizes the state of the field and proposes standardizing training, establishing best practices, and coordinating public health systems with their healthcare counterparts. *Preparing the Public Health Workforce: Educational Pathways for the Field and the Classroom* addresses many challenges faced by public health workers and offers possible solutions that would lead to the public being more informed and healthier.


The Best Laid Plans

UNH Cooperative Extension’s Molly Donovan, Charlie French, Sue Cagle, and Sharon Cowen have developed a new series of information briefs that address current community planning challenges. The briefs, created as part of the N.H. Housing Finance Authority’s N.H. Community Planning Grant Program, will educate and inform lay planners on a range of topics that communities grapple with, such as changing demographics, planning for an aging population, and integrating health into the community planning process.

http://extension.unh.edu/articles/Best-Laid-Plans

The Hidden Cost of the Recession: Two Million Fewer Births and Still Counting

Kenneth Johnson, senior demographer in the Carsey School of Public Policy at UNH, has analyzed U.S. Census Bureau data and found a hidden cost of the Great Recession – a decrease in the birth rate, especially among women of age 20 to
24. According to Johnson, nearly 2.3 million fewer babies were born in the U.S. between 2008 and 2013 than would have been expected had the recession not occurred.

http://campaign.r20.constantcontact.com/render?ca=2ad49271-83c0-4ad9-b3be-5f1ca5e4d33e&c=10e4c220-45a3-11e3-b9d6-d4ae5292c40b&ch=12810d00-45a3-11e3-ba92-d4ae5292c40b

Understanding Connections Between Rural Communities and Family Well-Being: A Study of Hampton, Iowa

The Carsey School of Public Policy at UNH has published a report by Cynthia Fletcher (professor of human development and family studies at Iowa State University) that examines the role of “place” in shaping the futures of rural residents, especially those with lower incomes. Using data from studies conducted in 1997 and 2012-13, Fletcher’s research on the connections between place, policy, and poverty helps provide insights needed to design effective antipoverty policies and programs. Her work was supported by a Nancy Nye Fellowship in Rural Community Development awarded in 2010 by the Carsey Institute at UNH.

http://campaign.r20.constantcontact.com/render?ca=8ff3d536-efab-4909-b96a-05f34744af50&c=10e4c220-45a3-11e3-b9d6-d4ae5292c40b&ch=12810d00-45a3-11e3-ba92-d4ae5292c40b

UNH Law’s Rudman Center Announces Appointment of Leadership Fellows

Ned Helms, founding director of the Institute for Health Policy and Practice at UNH, and Tom Rath, former New Hampshire attorney general and senior national advisor for many presidential campaigns, have been selected to serve as the first leadership fellows in the Warren B. Rudman Center for Justice, Leadership and Public Policy at UNH. Known for their distinguished professional accomplishments, civility, integrity, and commitment to the public good, Helms and Rath will offer advice and consultation to support the Center’s efforts to “train our next generation of leaders to seek justice, serve their country, and work together for the common good.”

http://www.unh.edu/news/releases/2014/12/em22unhfellows.cfm

UNH Professor’s "Occupy" Book Wins National Recognition

The National Communication Association recently honored lecturer in communication Renee Heath with an “Outstanding Edited Book” award. The book, co-edited with C. Vail Fletcher and Ricardo V. Munoz and titled Understanding Occupy from Wall Street to Portland: Applied Studies in Communication Theory, uses economic insights and contemporary theories of communication to better understand the constantly evolving Occupy movement.


Winter/Spring 2015 Portsmouth Science Café Series Announced

NH EPSCoR has announced the Winter/Spring 2015 schedule for the Portsmouth Science Café, a series of free gatherings held with a panel of experts to better communicate science to the public. The first event, “Encroaching Tides: How Sea Level Rise and Tidal Flooding Threaten U.S. East and Gulf Coast Communities over the Next 30 Years” on January 21st, featured panelists Erika Spanger Siegfried, senior analyst in the Climate and Energy Program at the Union of Concerned Scientists, and Julie LaBranche, senior planner with the Rockingham Planning Commission. Other sessions are planned for February 18th and March 25th in Portsmouth Brewery’s Jimmy LaPanza Lounge from 6 to 8 pm.

http://nhepscor.org/sciencecafe/winter2015
Humanities & the Arts

2014 in Books and Recordings
The products of UNH’s College of Liberal Arts (COLA) faculty-wide variety of scholarly and creative endeavors range from books and journal articles to recordings and visual art. The College Letter, COLA’s newsletter, has compiled a list of 35 books and recordings released by COLA faculty in 2014.


Spanish Professor Publishes First English Language Book on Prominent Chilean Artist/Poet
In December, Bucknell University Press published UNH assistant professor of Spanish Scott Weintraub’s first English-language book on acclaimed Chilean visual artist and poet Juan Luis Martínez. Weintraub is a renowned Martínez scholar who last year published an account of a discovery he made while researching this book: Martínez had appropriated a set of poems from a Swiss-Catalan poet of the same name.

http://cola.unh.edu/article/2014/12/weintraub-jlm-english
http://www.unh.edu/unhtoday/unhtoday/2014/12/spanish-professor-scott-weintraub-uncovers-literary-mystery

UNH Linguist Honored with Book Award from Linguistic Society of America
Professor of linguistics Rochelle Lieber has been awarded the Linguistic Society of America's Leonard Bloomfield Book Award for her book The Oxford Reference Guide to English Morphology, which she co-authored with Laurie Bauer and Ingo Plag. The annual award recognizes the volume published in the preceding year that makes the most outstanding contribution to developing the understanding of language and linguistics.

http://cola.unh.edu/article/2014/12/lieber-book-award

UNH Philosopher Explores Nature of Morality in New Book
In Morality’s Critics and Defenders: A Philosophical Dialogue, associate professor of philosophy Timm Triplett explores the nature and scope of morality through a fictional dialogue among four college students, their teaching assistant, and the course professor. The characters embody differing viewpoints and raise broad, fundamental questions on morality in today’s world.

http://cola.unh.edu/article/2014/12/triplett-morality

Marine & Ocean Sciences

Cloudy With a Chance of Copepods
Kate Cart ’15 spent the summer of 2014 at the University of Maine’s Darling Marine Center, where she studied how water turbidity levels affect the foraging behavior of mysids, shrimp-like crustaceans that play an integral role in the estuarine food webs in the Gulf of Maine and many temperate estuarine ecosystems around the world. Cart’s work, was supported by a Summer Undergraduate Research Fellowship grant from the UNH Hamel Center for Undergraduate Research. The results of her research will contribute to a
better understanding of how overall estuary and coastal health are affected as turbidity is changing in response to factors such as stronger storms, longer growing seasons, and increased coastal development.

http://www.unh.edu/unhtoday/unhtoday/2014/12/cloudy-chance-copepods

**Research Professor, Paleoceanographer...Hollywood Collaborator?**

In 2014, James Gardner of the UNH Center for Coastal and Ocean Mapping/Joint Hydrographic Center licensed to Warner Bros. Entertainment one of his images from a 2010 underwater survey of the Mariana Trench for use in the studio’s movie “Godzilla.” The survey yielded highly accurate maps of the western Pacific seafloor as well as the most precise estimate to date of the depth of the Challenger Deep, the deepest spot on Earth.

http://www.unh.edu/unhtoday/unhtoday/2014/12/research-professor-paleoceanographerhollywood-collaborator

**The Coral Microbiome: Understanding a Piece of the Paradox**

Michael Lesser, professor of molecular, cellular and biomedical sciences in UNH’s College of Life Sciences and Agriculture, has received a grant from the National Science Foundation to study the role of coral in nutrient cycling in coral reef ecosystems. Lesser and his team will collect samples from coral reefs throughout Australia, Hawaii, and Curacao for genomic analysis and classification. The research will help scientists to better understand the crucial ecosystem services that coral reefs provide that are becoming increasingly threatened by climate change.

http://colsa.unh.edu/article/coral-microbiome

**Sustainability & the Environment**

**Near and Far: The Global Effects of Non-native Species**

Jeffrey Foster, assistant professor of molecular, cellular and biomedical sciences in UNH’s College of Life Sciences and Agriculture, will help research the loss of native flora and fauna on a large parcel of land near Army installations on Oahu, Hawaii. Foster brings his background as a wildlife biologist with expertise in studying the effects of non-native birds on Hawaiian ecosystems to this collaboration with scientists from a variety of organizations and academic institutions, all working to maintain the island’s fragile ecosystem. Foster is grateful for this opportunity from the U.S. Dept. of Defense to return to the field and join forces with colleagues who are just as passionate as he is about maintaining the imperiled Hawaiian ecosystem.


**Sustainability Briefings Launched**

The Sustainability Institute at UNH has launched the Sustainability Briefings initiative, a collection of essays, thought pieces, case studies, and research briefings through which UNH faculty, staff and students can connect with larger audiences on the complex issues of sustainability. The first installment is a series of 12 case studies on climate change and the New England food system, written by Ruby Woodside, the Institute’s 2014 Thomas W. Haas Climate Fellow.

http://www.sustainableunh.unh.edu/briefings