



Museum Without Walls

Series History

Fall 2003: BIOLOGICAL DIVERSITY

Dave Wood

Wes Dempsey

Patricia Edelman and Donna Murrill

Michael Marchetti

Spring 2004: AGE and AGES

Kathryn Silliman

The Lowdown on Low Carbohydrate diets

Michelle Neyman

The Graying of the North state – Implications for Senior Nutrition

Ann Bykerk-Kaufman

500 Million Years of Subduction and Orogeny in Northern California

Rachel Teasdale

Pacific Volcanoes: Eruptions in the Cascades and Galapagos Islands

Fall 2004: WATER

Tocoy Dudley

The Geology of the Fresh and Saline Water Aquifer Systems of the North Sacramento Valley

Dave Brown

Connections Between Flowing Waters and the Landscape

Michael Marchetti
Effects of Altering Flow on Stream Systems in California

Edward Teasdale
Water Pollution

William Murphy
Gold, Mercury, and Water

Rachel Teasdale and Tom Shirley
Deep Water Biology and Geology Explorations in the Gulf of Alaska from the Alvin Submersible

Raymond Bogiatto
The Importance of Sacramento Valley Wetland Habitats to Wintering Water Birds

Spring 2005: THE NATURAL HISTORY OF BIDWELL PARK

Rachel Teasdale
Building the Landscapes of Bidwell Park

Dick Hilton
Prehistoric Life of Bidwell Park and Surrounding Areas

Don Miller
Bidwell Park's Insects and the Plants They Need

Tag Engstrom
Snakes and Salamanders Meet Molecular Biology

Kristina Schierenbeck
The Wrong Kind of Volunteers in Bidwell Park?

Roger Lederer
A Gateway to Bird Watching

Fall 2005: BIDWELL PARK AND BEYOND, HISTORY, HERITAGE, HAPPENINGS

Michael Gillis
An agricultural history of Rancho Chico

Arlene Ward
The Mechoopda along Chulamsewi

Don Pickard
Aquatic insects of Big Chico Creek and Bidwell Park

Dave Wood
Fire ecology of ancient Sacramento Valley

Greg White
Population Ecology of Ancient Sacramento Valley

James West
Climate Changes in Northern California Following the Last Ice Age

Spring 2006: LIVING IN A DANGEROUS WORLD

Bev Marcum
Predators, Poisons, Parents, Pestilence, and Perceptions

Tag Engstrom
Venomous Snakes of California: What to Look for...What to Look Out For

Stephanie Bianco-Simeral
Do you know what lurks in your kitchen?

Don Alger
Risks from Nitrates in Our Drinking Water: the Rest of the Story

Josh Indar
Outbreak: The Once and Future Flu

Jim Houpis
The New Cold War: Will America's Science and Math Education Rise to the Challenge?

Fall 2006: HEALTH AND THE ENVIRONMENT

Janet Wright
Stem Cells 102: Facts Not Fantasies

Randy Senock
Health and the Environment: From Paradise to Paradise

Gail Williams
Protecting Those We Serve

Linda Davis-Reed
Sizzlin' Skin: Why and How to Enjoy the Sun Safely

Joel Rothfeld

A Stroll Through the Human Brain: Looking at Treatments and Advances

Winter 2007: Astronomy Series with KCCO

Jan. 4: Study of the Universe; Observing the Sky

Jan. 11: Celestial Cycles; The Birth of Astronomy

Jan. 18: Astronomical Tools; The Science of Starlight

Jan. 25: Mark Giampapa: The Sun – Our Star

Feb. 1: The Family of Stars; Stellar Births

Feb. 8: Stellar Deaths; Stellar Remnants

Feb. 15: Our Galaxy: The Milky Way; Galaxies

Feb. 22: Active Galaxies

Mar. 1: Steven Beckwith: Cosmology

Mar. 8: Natalie Batalha: Solar Systems

Mar. 15: The Terrestrial Planets, panel discussion

Mar. 22: Nathalie Cabrol: The Jovian Worlds; Solar System Debris

Mar. 29: Set Shostak: The Search for Life Beyond Earth – Are We Alone? Roundtable discussion

Spring 2007: OUR CHANGING PLANET

Jeff Price

Climate change: state of the art

Mike Abruzzo

Stone Agers in the fast lane: An Evolutionary Perspective on the Survival of Homo sapiens

Kristina Schierenbeck

Fast – food and Kudzu: The Problems of Biotic Homogenization

James Pushnik

Why All This Talk about Sustainability? What Is It and Do We Need It?

Fall 2007: IT'S ALL IN YOUR HEAD

Heidi Houlihan

I only have eyes for you

Stephen Forner

Migraine—it's not just a headache

Leena Singh

Thyroid Power!

Crystal Chalmers

Your ears: gateway to the brain, hearing, learning, and understanding

Winter 2008: EXPLORING THE FINAL FRONTIER (Astronomy)

Dave Schlom

Fire and Ice on Frozen Worlds – the Satellites of the Outer Solar System

Jennifer Heldmann

Return to the Moon, NASA's Lunar Exploration Plans

Virginia Wolf

Archeoastronomy in the Southwest: Calendars of the Anasazi

Laura Barger

The Sleep of NASA Space Shuttle Crewmembers on Short Duration Missions

Spring 2008: EARTH'S BOUNTY: PRESERVE, PROTECT, ENJOY

Don Hankins

What Smokey Bear Could Learn from Aboriginal Fire Managers

Jeff Armstrong

Sustainability in Your Back Yard—How to Take Care of Your Soils So They Take Care of You

Don Miller and John Lane

Expedition Papua New Guinea 2007: Focus on Butterfly Biodiversity

Greg and Bill Johnson

California Rice: Past, Present, and Future

Marian Baldy

What's That Up Your Nose? The Science of 'Taste'

Fall 2008: MEDICAL MYSTERIES REVEALED

James Schlund

Tumor Biology and the Imaging of Breast Cancer

Mic Heib

Uncovering the Secrets of Anesthesia

(Terry Tempest Williams lecture at Laxson Auditorium)

Lester Wong

The Art and Science of Making a Diagnosis

Turhon Murad

Matters of Life and Death

Spring 2009: WATER, WATER EVERYWHERE, BUT...

Dave Steindorf

North Fork River: Rebuilding a River

Karin Hoover

Chico's Groundwater: Problems and Progress

Allen Harthorn

The Last Best Run of Wild Salmon

John Carlon

Protecting and Restoring the Sacramento River

Dan McManus

Northern Sacramento Valley Groundwater and Surface Conditions

Fall 2009: ENERGY

Jon Stallman

Solar Energy

Cristina Archer

The Role of Wind Power in a Clean and Renewable Future

Tino Nava and Janet Walther

Hydro Electric Power and the Grid

James Pushnik

Fuels as an Alternative Energy Source: Myths and Realities

Jeff Lubenko and Debra Smith

LEED Certification and the Gateway Science Museum

Spring 2010: BUGS IN THE SYSTEM

Laurel Hill-Ward

Bees Through the Seasons

Patrick Schlemmer

Top 20 Questions I Get at the Insect Zoo

Jenny Marr

Biological Diversity – What's Extinction Got to do with it?

Jay Bogiatto

The Importance of Invertebrate Resources to Waterfowl

Fall 2010: NATURE COUNTS

Margaret Owens

Nature's Favorite Number?

Roger Lederer and Carol Burr

The Birds of Bidwell Park

James Karr

Tropical Forest Ecology: Magical Webs of Life

Kathy Gray

Fire in the Forest

Spring 2011: MICROBES ON EXTREME MISSIONS

Larry Hanne

Small Things Considered (Microbes: The Good without the Bad and Ugly)

Gordon Wolfe

Mud, Germs, and Steam: the Microbes of Boiling Springs Lake, Lassen Volcanic National Park

Patricia Edelman

From Microbes to Penguins, Seals and Whales – Antarctica, the White Continent

Eric Sulik and Debbie Stolp, City of Chico Wastewater Pollution Control

Microbes and the Wastewater Treatment Plant: An Unusual Partnership?

Fall 2011: TREASURES OF THE NORTHSTATE

Jim Postma, CSUC

Electric Car: Murder Victim, Suicide, or Still a Gleam in Its Parents' Eyes

Steve Zachary, National Park Service

Lassen Volcanic National Park – Land of Volcanoes, Land of Renewal

Jennifer Jewell, In a North State Garden

California Native Plants in the Garden – They Belong There

Kim Ornellas, CSUC and Arlene Ward, Mechoopda-Maidu Tribe

The Mechoopda Maidu and the Nome Cult Walk

Spring 2012: POLLINATORS

John Whittlesey, Canyon Creek Nursery & Design

Keeping Company with Flowers: A Glimpse into the World of Pollinators

Robert Schlising, CSUC

Nectar and Pollen in North State Wildflowers: Food for a Diversity of Native Pollinators

Gordon Frankie, UC Berkeley

Bees and Flowers, The Love Affair Continues, Urban Bee Gardens

Mary Jean "Corky" Quirk, Norcal Bat Rescue

Bats in Northern California

Rachael Morgan and Thomas Moore, USDA Natural Resources Conservation Service, Butte County

Pollinator Conservation: A Partnership Between NRCS and Agricultural Landowners

Fall 2012: LEGACIES OF MINING THE SIERRA NEVADA

Charles Alpers, PhD, USGS, Research Chemist

A Gold Rush Legacy: Mercury contamination, methylation, and bioaccumulation associated with historical gold mining in the Sierra Nevada

Chris Thomas, Senior Planner, Mining, SMARA, Butte County Dept. of Development Services

An Overview of Surface Mining in California - Past to Present

Carrie Monohan, PhD, Science Director, The Sierra Fund and CSUC

Fish and Dust: Legacy Impacts of the California Gold Rush

Rebekah Damazo, MSN, CSUC School of Nursing

The Impact of Gold Mining On Human Health in the Sierra Nevada

Spring 2013: MEDICINE IN MOTION: THE SCIENCE OF SPORTS

Josh Trout, PhD, CSUC, Kinesiology

The Skinny on Fat: Myths, Facts and Realities

Scott Nichols, MD, Enloe Behavioral Health

Motion/Emotion: Improving Health by Having Fun

Penelope Kuhn, PhD, CSUC, Psychology

Sport-Induced Central Nervous System Injury

David Valponi, P.T., Valponi & Wagner Physical Therapy Center

Common Overuse Syndromes: Cause and Prevention

Fall 2013: WHAT'S UNDERFOOT?

Peggy Hellweg, Ph.D., Operations Manager, Berkeley Seismological Laboratory
Earthquakes in Our Backyard

Curt Haselton, PhD, CSUC, Civil Engineering
Earthquakes Happen – How Safe are We?

Christina Buck, Ph.D., Butte County Water Resource & Conservation
Todd Greene, PhD, CSUC, Department of Geological and Environmental Sciences
Keeping Tabs on Our Groundwater: Where is it and Where Is It Going?

Debbie Viess, Biologist, Naturalist, Mycologist, Bay Area Mycological Society
Zen and the Art of Mushroom Hunting

Spring 2014: STORIES OF TRANSFORMATION

Greg Coostona, Ph.D., Associate Pastor, Bidwell Presbyterian Church
Evolution: What's God Got to do with it?

Jeffrey Bell, PhD, CSUC, Department of Biological Sciences
The Galapagos: Evidence of Evolution

Richard Hilton, PhD, Professor of Geology, Sierra College
Dinosaurs and Other Mesozoic Reptiles of California

Kristina Schierenbeck, PhD, CSUC, Department of Biological Sciences
Evolution of California Plants and Animals

Fall 2014: FARM TO TABLE

Joseph Connell, Farm Advisor Emeritus, UC Cooperative Extension, Butte County
The Science of Agriculture – Past and Present

Lee Altier, PhD, CSUC, College of Agriculture
Our Food Supply – What's Community Got To Do With It?

Grant Lundberg, CEO, Lundberg Family Farms
Why Not GMO's?

Noelle Ferdon, JD, Director of Local Food Systems, Northern California Regional Land Trust

Jacob Brimlow, PhD, Assistant Professor of Agricultural Business, College of Agriculture
Developing Our Local Food System: The North Valley Food Hub

Spring 2015: IT'S THE LITTLE THINGS

Kevin Myers, M.D., Plastic and Reconstructive Surgeon, Chico
As The Worm Turns: Medicinal Use of Leeches Past & Present

Jennifer Jewell, Naturalist, Garden Writer and Photographer
Seeds: Nature's Artful Engineering

Matt Ball, District Manager, Butte County Mosquito & Vector Control District

Doug Weseman, Assistant Manager, Butte County Mosquito & Vector Control District
Ticks, Mosquitos & West Nile Virus

Kristina Schierenbeck, PhD, Professor, Biological Sciences, CSUC
Saving Seeds...Just in Case

Stephanie Bianco, Assistant Director of Center for Healthy Communities, CSUC and Associate Professor, Department of Nutrition and Food Science, CSUC
Farm to School Efforts Supporting Behavior Change and Economic Growth in the North State

Fall 2015: THINGS THAT GO BUMP IN THE NIGHT

Shahrouk Mistry, PhD, Professor, Butte College, Adjunct Professor, CSUC
Bats: All Your Questions Answered

Henry Lomeli, Wildlife Biologist, California Department of Fish & Wildlife
Mountain Lions & Bears in Your Backyard

Serban Sarbu, PhD, Cave Biologist
Caves as Bat Habitat

Marilyn Gamette, Wildlife Biologist, Formerly of California Department of Fish & Wildlife
Wise as an Owl

Spring 2016: PAGING DR. GROSS

Stephen Pearce, MD, Gastroenterologist, Chico
You've Gotta Have Guts

Linda Davis-Reed, MD, Dermatologist, Chico
Know Your Bumps

Joseph Matthews, MD, Colorectal Surgeon, Chico

Everyone Poops

Mona Sarbu, MD, Nephrologist, Chico
Tales from the Extraordinary Life of the Kidney

Fall 2016: IMPACT – STRIKES, HITS, AND NEAR MISSES

Scott Perry, Retired Professor, American River College
Comets, Asteroids and Meteors...Oh My!

Bill Koperwhats, Director, Chico Community Observatory
Chico's Night Sky

Dave Schlom and Jennifer Jewell, NSPR Hosts
Gene and Carolyn Shoemaker: A Love Story

David Des Marais, PhD, Senior Scientists, NASA Ames Research Center
Astrobiology – Life of Earth (and Elsewhere?)

Tiara Diamond, PhD, NASA Postdoctoral Program Fellow, Goddard Space Flight Center
Cosmic Horror Stories: Stellar Deaths and More!

Spring 2017: DESIGNING FOR TOMORROW

Greg Weddig, Sound Recordist, Nature Sounds Society
Preserving Soundscapes for Tomorrow

Greg Kallio, PhD, Professor, Dept. of Mechanical and Mechatronic Engineering and Sustainable
Manufacturing, CSUC
Off-Grid Solar Design for the Future

Jimmy Lillard, CSUC alumnus, Assistant Film Editor, Pixar Animation Studio
Building Stories Through Editing

David Alexander, PhD, Assistant Professor, Dept. of Mechanical and Mechatronic Engineering and
Sustainable Manufacturing, CSUC
Putting the Wind to Work

Fall 2017: WILD THINGS: MICROBES, TIGERS & ELEPHANTS!

Gordon Wolfe, PhD, Professor, Department of Biological Sciences, CSUC
The Human Microbiome: Our Microbial Selves

Gordon Wolfe, PhD, Professor, Department of Biological Sciences, CSUC
The Human Microbiome: Hip, Hope, or Hype?

Raymond Barnett, PhD, Author and Professor Emeritus, Department of Biological Sciences, CSUC
Is There a Future for Tigers?

Rebecca Brunelli, PhD, Lecturer, Department of Biological Sciences, CSUC
Tusks & Trunks: The Lives of Elephants

Spring 2018: IT'S A NO BRAINER

Joel Rothfeld, PhD, Neurologist, Chico
Facts and Fallacies About the Brain

Navin Varma, MD, Neurologist, Chico
The Neuroscience of Creativity

Jonathan R. Day, PhD, Professor and Chair, Dept. of Biological Sciences, CSUC
Thanks for the Memories – The Aging Brain

Jeffrey Lobosky, MD, Neurological Surgeon, Enloe Medical Center
The History of Brain Surgery from Dr. Flintstone to Dr. Jetson

Fall 2018: NANOSCALE: WONDERS UNSEEN

Kathleen Meehan, PhD, Professor and Chair, Dept. of Electrical & Computer Engineering, CSUC
Nanoscience and Nanotechnology: Why Size Does Matter

Monica So, PhD, Assistant Professor, Department of Chemistry & Biochemistry, CSUC
Solving Sustainability Challenges with Nanomaterials

Ozgul Yasar, PhD, Assistant Professor, Department of Mechanical and Mechatronic Engineering & Sustainable Manufacturing, CSUC
Nanotechnology: Achieving Big Goals with Small Things

Nathan L. Anderson, PhD, Department of Mechanical and Mechatronic Engineering & Sustainable Manufacturing, CSUC
Nano-scale Simulations of Transistors, Structural DNA and Quantum Devices

Dennis Hunter, VP of Strategy and Corporate Development, Applied Materials, Inc. (Retired)
Are Improvements Forecast by Moore's Law Sustainable?

Spring 2019: ALL CREATURES GREAT AND SMALL

Don Miller, PhD, Professor, Biological Sciences Department, CSUC
Insects of Bidwell Park

Tom Batter, PhD Student, Mammalian Ecology and Conservation Unit UC Davis In Partnership with the
California Dept. of Fish & Wildlife

Elk in California: History, Current Status and Future of California's Largest Land Mammal
Katie Andrea Solari, PhD, Postdoctoral Scholar (Petrov Lab) and Associate Director of the Program for
Conservation Genomics, Stanford University
Into Thinner Air: How Pikas Live on the Roof of the World and Implications for their Persistence

Sarah J. Blackstone, PhD, Retired Dean of Fine Arts, University of Victoria, BC and Gateway CAB
Member
Wings and Feathers: Citizen Scientists and the World of Birds

Fall 2019: THE FRONTIER & BEYOND

Scott Perry, Retired Physics & Astronomy Professor
Beyond the Earth: 50 Years Since Apollo 11

Movie Night: The Dish

Fraka Harmsen, PhD, Geologist
Antarctica: A Scientific Odyssey

Stephen Robinson, Former NASA Astronaut
Humans in Space: Past, Present and Future

Dave Schlom, Host of Blue Dot on NSPR
Project Apollo: The Scientific Harvest

Fall 2020: OUR EARTH OURSELVES

Michael Abruzzo, PhD, Professor Emeritus, Department of Biological Sciences, CSU, Chico
The Changing Climate – Floating Down the River Denial

Linnea Hanson, Botanist, President of Northern California Botanists, and Founding Board Member of
the Friends of the Chico State Herbarium
Bloom Where You Are Planted

Cheri Chastain, Sustainability Programs Manager at CSU, Chico
Climate Action and Resilience Planning at Chico State; Charting a Path to 2030

Roger Lederer, PhD, Professor Emeritus and Former Dean, College of Natural Sciences, CSU, Chico
and Carol Burr, PhD, Professor Emerita, Departments of English and Multicultural and Gender Studies,
CSU, Chico
The Trees of Chico

Jennifer Jewell, Gardener, Author, Host of award-winning public radio broadcast “Cultivating Place –
Conversations on Natural History and the Human Impulse to Garden”
The Connective Power of Gardens in These Times

Rachel Teasdale, PhD, Professor of Geological and Environmental Sciences, CSU, Chico
Reconstructing the Growth and Destruction of Mt. Yana, an Ancient Volcano of the Cascades

Troy Cline, PhD, Associate Professor, Department of Biological Sciences, CSU, Chico.
Slamming the Door on a Pandemic: COVID-19 and the Science Behind Vaccine Development.