

ROCKY MOUNTAINS CESU

“Less Traditional” RM-CESU Expertise Directory

March 13, 2008

Most RM-CESU projects are focused on academic research topics in the areas of natural and cultural resources. Increasingly, however, NPS units also are using RM-CESU partners for assistance with “less traditional” projects in the areas of planning, conflict resolution, exhibit design, tourism studies, transportation plans, curriculum development, etc. To help facilitate such projects, the RM-CESU offers the following guide (incomplete and somewhat random) to this less traditional expertise within the RM-CESU – to be continually updated.

Schools within the RM-CESU:

University of Montana (host university)
Montana State University
Salish Kootenai College
University of Colorado – Boulder and Denver
University of Idaho
University of Wyoming
Utah State University
Washington State University
University of Northern Colorado
University of Calgary
Colorado State University

EDUCATION AND CURRICULUM DEVELOPMENT

Washington State University has worked with the Upper Columbian Basin I&M Network to prepare an “Aliens in Your Neighborhood” curriculum geared for K-12 on exotic plants:

Lynda Paznokas
Washington State University
509-335-0987
lpaznokas@wsu.edu

University of Northern Colorado has worked with the Continental Divide Research Learning Center on the development of a geology science curriculum. For more information, contact:

Michael Taber
University of Northern Colorado, Earth Science
970-351-2470
michael.taber@unco.edu
<http://esci.unco.edu/faculty/taber/taberm.htm>

FILM, ANIMATION, E-LEARNING, and WEBSITE DESIGN AND DEVELOPMENT

Montana State University has worked with NPS parks and programs to develop films, including those for visitor centers. MSU’s Science and Natural History Filmmaking program, which receives funding from the Discovery Channel, is headed by Ron Tobias.

Ronald Tobias, Professor of Cinematography
Montana State University
Media & Theatre Arts; VC 228
406-994-6227
tobias@montana.edu

The University of Colorado Denver, Center for Innovations in Training Technology (CITT) is a multimedia instructional design studio specializing in eLearning and organizational web presence, including the development of multimedia online courses and websites that can assist the NPS in training, interpretation and planning projects. Among the services that CITT offers: modularized courses that trainees can complete in less than 30 minutes; web pages of less than 180 words; scenario-based practice every 3-6 screens, and web-appropriate writing with active voice, action-based explanations, stories, and humor. Note: CITT does not participate in any competitive-bid contracting and, as such, is only available to the NPS through the CESU cooperative agreement. For examples of CITT projects, visit the CITT "Our Work" website at: http://thunder1.cudenver.edu/citt/our_work.htm

For more information, contact:

Marty Tessmer
UCD Center for Innovations in Training Technology (CITT)
UCDHSC - DDC
Box 198
PO Box 173364
Denver, CO 80217-3364
303-556-6585
martin.tessmer@cudenver.edu

University of Colorado-Denver also is currently working with the NPS on web-based "Views of the National Parks" modules (Mike Marlow), and has consulted with NPS on web-based learning and education projects (Marty Tessmer). For more information, contact:

Dr. Michael Marlow
Associate Professor of Science Education
University of Colorado at Denver and Health Sciences Center
Box 106, NC-4018B
Denver, CO
Phone: 303-556-8111
Email: mike.marlow@cudenver.edu

University of Colorado-Boulder has provided animation for geologic films at Arches and Florissant.

Paul Weimer
Geological Sciences
University of Colorado, Campus Box 399
Boulder, CO 80309-0399
303-492-3809
paul@emarc.colorado.edu

Colorado State University – Center for Environmental Management of Military Lands (CEMML) As noted above, CEMML provides technical support on a variety of projects, including films. CEMML has collaborated with CSU videographer Ron Bend on two training videos dealing with natural resources management/conservation and military training; both videos resulted in national-level awards (1998 Telly Award and 1999 Communicator Award). Among the services that CEMML offers:

- promotional and recruitment videos
- classroom educational videos
- television spots and news video
- television program production
- special event video
- training videos
- web video and multimedia
- location shooting
- concept development
- editing and post-production services.

For more information, contact:
James A. Zeidler, Ph.D.
Associate Director for Cultural Resources
Colorado State University CEMML
1490 Campus Delivery
Fort Collins, CO 80523-1490
(970) 491-3741
jzeider@cemml.colostate.edu
website: <http://www.cemml.colostate.edu>

Salish Kootenai College is working on an interactive DVD project with Glacier NP. Dr. Frank Tyro and Roy Bigcrane of the SKC Media Center, who will do the filming and editing, are experienced in filming, editing, and producing documentaries relating to Native American issues. The design of the DVD will be done by David Rockwell, who designed the interactive content for the “Fire on the Land” project, an interactive DVD that details the cultural and ecological interrelationship of the Salish people and fire. For more information, contact:

Adrian Leighton
Natural Sciences, Engineering and Math Department
Salish Kootenai College
406-275-4948
Adrian_leighton@skc.edu

HIGH-ELEVATION ARCHEOLOGY

University of Colorado-Boulder, Institute of Arctic and Alpine Research, has worked with Wrangell-St. Elias National Park and Preserve to pinpoint rapidly melting glaciers and ice fields that may contain prehistoric artifacts, enabling archeologist to retrieve those items before exposure triggers their decomposition.

Dr. E. James Dixon, Professor of Anthropology,
and Curator of Museum and Field Studies Program

University of Colorado-Boulder
303-735-0464
jdixon@colorado.edu

OCCUPATIONAL HEALTH MONITORING – NOISE AND AIR QUALITY

Montana Tech, part of the **University of Montana** system, has assisted Yellowstone in noise and air quality monitoring associated with the park's winter use plan.

Terry Spear, Professor/Dept. Head
Department: Occupational Safety & Health
Montana Tech
1300 West Park Street
Butte, MT 59701
Campus Location: SHIH S&E 325
406-496-4445

ARCHIVES PROJECTS

University of Colorado-Boulder has a program through which it can place archives students at NPS parks throughout the region. The student internship salary is matched by funds from the university. Students have been placed at Yellowstone, Glacier, Everglades, Yosemite, the Horace Albright Training Center, and the USS Arizona. For more information, contact:

David Hays, Archivist
University of Colorado, Boulder
Norlin Library, 184 UCB
Boulder, CO 80309-0184
(303) 492-7242
arv@colorado.edu

Bruce P. Montgomery,
University of Colorado, Boulder
Norlin Library, 184 UCB
Boulder, CO 80309-0184
303-492-7242
Bruce.Montgomery@Colorado.edu

ENVIRONMENTAL MICROBIOLOGY – INCLUDING DETOXIFICATION OF MUSEUM ARTIFACTS

University of Colorado Denver. Dr. Timberley Roane at the University of Colorado-Denver was awarded a NPS National Center for Preservation Training and Technology (NCPTT) grant for her work on using bacteria to remove toxins from museum artifacts. Toxins, such as mercury and arsenic, were once used as preservatives on museum artifacts, including American Indian objects that may be subject to repatriation.

Timberley Roane
University of Colorado-Denver

Department of Biology, CB# 171
P.O. Box 173364, University of Colorado
Denver, CO 80217
Office phone: 303-556-6592
timberley.roane@cudenver.edu

EXHIBIT DESIGN

Montana State University's School of Architecture has the expertise to provide exhibit design. Bill Rea (who has been involved in several set design projects for films, including the Titanic) assisted with an exhibit project at Grant-Kohrs Ranch NHS. Tom McNab (who, when he was in private practice, worked on the Lolo Pass Visitor Center) is head of the Community Design Center, which is very interested in setting up student projects with federal agencies. Maire O'Neil is also part of the CDC. For more information, contact:

Bill Rea
Adjunct Assistant Professor
Montana State University
237 Cheever Hall
Bozeman, MT 59717
(406) 994-7570
brea@montana.edu

Tom McNab
Adjunct Faculty, Head of the Community Design Center
Montana State University
237 Cheever Hall
406-994-3793
tmcnab@montana.edu

Maire O'Neill, AIA, NCARB
Associate Professor
Montana State University
243 Cheever Hall
406-994-3950
maireo@montana.edu

Colorado State University has a program in Museum Studies, through the History Department. They are currently working with Florissant Fossil Beds on a visitor center exhibit project. For more information, contact:

Jennifer Fish Kashay
Assistant Professor, History and Museum Studies
Colorado State University
Clark B-372
(970) 491-5516
jfkashay@lamar.colostate.edu

Colorado State University – Center for Environmental Management of Military Lands (CEMML) CEMML was established to provide resource management support to the

Department of Defense, and has recently begun working with NPS. Among other things, CEMML provides assistance on interpretive media, including waysides and museum exhibits, and has an in-house graphics designer/publications expert with experience in a variety of media projects. For more information, contact:

James A. Zeidler, Ph.D.
Colorado State University CEMML
Associate Director for Cultural Resources
1490 Campus Delivery
Fort Collins, CO 80523-1490
(970) 491-3741
jzeider@cemml.colostate.edu
website: <http://www.cemml.colostate.edu>

University of Colorado-Boulder has a graduate-level Museum and Field Studies Program which offers a graduate professional certificate in museology (with a requirement of an internship). For more information, contact:

Kathy Freeman, Graduate Program Coordinator
Museum and Field Studies Program
University of Colorado-Boulder
303-492-5437
Kathleen.Freeman@Colorado.EDU

PLANNING/CONFLICT RESOLUTION

As noted in the “Film, Animation, E-Learning and Website Development” section of this list, the **University of Colorado Denver, Center for Innovations in Training Technology (CITT)** is a multimedia instructional design studio specializing in eLearning and website development that can assist the NPS in planning projects, specifically interactive websites that enable online public participation and comment. For more information, contact:

Marty Tessmer
UCD Center for Innovations in Training Technology (CITT)
UCDHSC - DDC
Box 198
PO Box 173364
Denver, CO 80217-3364
303-556-6585
martin.tessmer@cudenver.edu

The University of Montana Public Policy Research Institute (PPRI) offers a range of planning services, including public participation plans, clinics, stakeholder identification, facilitation and mediation – with an emphasis on conflict resolution. The PPRI is currently working with Grand Teton on stakeholder and issue identification associated with its GMP. The PPRI also is working with BLM to design public participation processes associated with the development of resource management plans. For more information, contact:

Matthew McKinney
Director, Public Policy Research Institute

The University of Montana, School of Law
516 North Park Avenue
Helena, MT 59601
406-457-8475
matt@umtpri.org

University of Colorado, Center of the American West takes as its mission: “the creation of forums for the respectful exchange of ideas and perspectives in the pursuit of solutions to the region’s difficulties. We at the Center believe that an understanding of the historical origins of the West’s problems, an emphasis on the common interests of all parties, and a dose of good humor are essential to constructive public discussion.”

Center of the American West
CU-Boulder, Macky 229, 282 UCB,
Boulder, CO 80309-0282
Voice: (303) 492-4879
Fax: (303) 492-1671
info@centerwest.org

Patricia Limerick
Department of History
282 UCB
MCKY 229
Voice - (303) 735-0104
Fax - (303) 492-1671
Patricia.Limerick@colorado.edu

PUBLIC HISTORY/HISTORIC PRESERVATION

University of Colorado-Denver has one of the most comprehensive public history/historic preservation programs within the RM-CESU. The historic preservation certificate program is an interdisciplinary program between the College of Architecture and Planning and the College of Liberal Arts and Sciences (History). Among the areas of expertise are HABS/HAER/HALS documentation, historic resource surveys, building condition assessments, determinations of eligibility, National Register nominations, cultural landscape documentation, and assistance with the List of Classified Structures. For more information, contact:

Christopher Koziol
Associate Professor, Architecture
College of Architecture and Planning
303-556-6516
christopher.koziol@cudenver.edu

Kris Christensen, MSS, Instructor
Colorado Center for Preservation Research
College of Architecture and Planning
University of Colorado - Denver
Campus Box 126
P.O. Box 173364
Denver, CO 80217

kirsten.christensen@colorado.edu
303-352-3601

Tom Noel
Department of History
University of Colorado-Denver
Campus Box 182, Post Office Box 173364
Denver, CO 80217-3364
303-355-0211
noel@carbon.cudenver.edu

Washington State University's public history program has worked with NCPA on "State of the Parks" reports, including the one at Fort Laramie National Historic Site. Students are required to do a public history internship as part of their graduation requirements. For more information, contact:

Robert McCoy
Assistant Professor of History
Washington State University
509-335-3985
rmccoy@wsu.edu

Colorado State University initiated a Center for Public History and Archaeology in 2007. The center is headed by Ruth Alexander, Mark Fiege, and Jason La Belle, with two Research Associates. For more information, contact:

Ruth Alexander
Professor, History
Colorado State University
B 363 Andrew G. Clark
970-491-6840
Ruth.Alexander@ColoState.EDU

Mark Fiege
Associate Professor, History
Colorado State University
B365 Andrew G. Clark
970-491-6468,
mark.fiege@ColoState.EDU

Jason La Belle
Assistant Professor, Anthropology
970-491-7360
Jason.LaBelle@ColoState.EDU

The American Studies Program, University of Wyoming includes several former members of the Wyoming State Historic Preservation Department on its staff. Recently, the American Studies Program prepared a DOE at Grand Teton and at the Tom Sun Ranch NHL. For more information, contact:

Mary Humstone

American Studies Program
Cooper House, P.O. Box 4036
University of Wyoming
Laramie, Wyoming 82071-4036
307-766-4600
humstone@uwyo.edu

LANDSCAPE ARCHITECTURE

Schools within the RM-CESU that have Landscape Architecture schools/departments are:

University of Colorado-Denver

Mark Gelernter
Dean, College of Architecture and Planning
University of Colorado - Denver
Campus Box 126, POB 1733364
Denver, Colorado 80217-3364
303-556-5938
Mark.gelernter@cudenver.edu

University of Idaho

Stephen Drown
Professor/Department Chair
Landscape Architecture
University of Idaho
208-885-7902
srdrown@uidaho.edu

Utah State University

Michael Timmons
Associate Professor
Department of Landscape Architecture and Environmental Planning
Utah State University
Logan, Utah 84322-4005
Phone: 435-755-0510
michael.timmons@usu.edu

John Ellsworth
Professor, Landscape Architecture and Environmental Planning
Utah State University, UMC 4006
435-797-0504
John.ellsworth@usu.edu

Craig Johnson
Professor, Landscape Architecture and Environmental Planning
Utah State University, UMC 4005
435-797-0507

Craig.johnson@usu.edu

Tamara Shapiro
Professor, Landscape Architecture and Environmental Planning
Utah State University, UMC 4005
435-797-0960
shapirot@hass.usu.edu

HISTORIC BRIDGES

University of Colorado-Denver. Historic bridges often do not possess code-compliant lateral resistance to modern requirements. Kevin Rens (and doctoral student Fred Rutz) at the University of Colorado-Denver are researching non-traditional load paths as an alternative to the traditional “skeleton” approach, the goal of which is to preserve historic iron and steel bridges. For more information, contact:

Kevin L. Rens, P.E., Ph.D.
Associate Professor, Structural Engineering
Department of Civil Engineering
Campus Box 113, P.O. Box 173364
Denver, CO 80217-3364
303-556-8017
krens@carbon.cudenver.edu
Website: carbon.cudenver.edu/~krens

BUSINESS/POSITION MANAGEMENT PLANS

The RM-CESU has gotten requests regarding partner assistance with the development of business and position management plans. Among the many school programs that can provide this kind of assistance are:

University of Idaho, Psychology and Communication Studies. The department specializes in institutional and organizational psychology, as well as personnel and social psychology. For more information, contact:

Richard Reardon, Professor and Department Chair
Psychology and Communication Studies
University of Idaho, Student Health 207
208-885-7165
rreardon@uidaho.edu

Todd Thorsteinson, Professor
Psychology and Communication Studies
University of Idaho, Student Health 220
208-885-4944
tthorste@uidaho.edu

Washington State University, College of Business and Economics

Cheryl Oliver, Director, Graduate Programs in Business

College of Business and Economics
Washington State University
PO Box 644744
Pullman, WA 99164-4744
509-335-7617
cabaker@wsu.edu

TRANSPORTATION PLANNING

Montana State University. The Western Transportation Institute at Montana State University has assisted in several park transportation planning projects. For more information, contact:

David Kack, Research Associate
Western Transportation Institute
PO Box 174250
Montana State University-Bozeman
Bozeman, MT 59717-4250
Phone: 406-994-7526
Email: dkack@coe.montana.edu

Stephen Albert
Prof Emeritus-Ph D
Western Transportation Institute; CF 102
Montana State University
406-994-6114
stevea@coe.montana.edu

Chris Strong
Res Engr-MS
Western Transportation Institute; CF 151
Montana State University
406-994-7351
chriss@coe.montana.edu

TOURISM

University of Colorado-Boulder. Several RM-CESU universities have tourism programs, including the University of Colorado-Boulder's Center for Sustainable Tourism:

Patrick T. Long, Professor
Faculty Director, Center for Sustainable Tourism
Leeds School of Business
University of Colorado at Boulder
Boulder, CO 80309-0419
patrick.long@colorado.edu
(303) 492-2381
Fax (303) 492-5962
www.sustainabletourism.org

Charles Goeldner, Professor Emeritus, Marketing and Tourism

Center for Sustainable Tourism
Leeds School of Business
University of Colorado at Boulder
Boulder, CO 80309-0419
Charles.goeldner@colorado.edu

In addition to the Center for Sustainable Tourism, other UC-B researchers have been involved in tourism-related projects, including Mark Williams, who was involved with a project funded by the City of Aspen to determine whether they will have skiable snow in the next 100 years. Bill Travis did a study on the economic impacts of climate change on the City of Aspen and Pitkin County.

Mark Williams
Professor, Geography and Fellow
INSTAAR, University of Colorado-Boulder
markw@snowbear.colorado.edu
303-492-8830

Bill Travis
Professor, Geography
Center for the American West
University of Colorado-Boulder

University of Colorado-Denver As part of CU-Denver's Western Lands Program, the following professors were involved in an international conference on mountain town tourism.

Tom Clark, Professor, College of Architecture and Planning
University of Colorado-Denver, 1380 Lawrence Street, Suite 1425
Campus Box 120, Post Office Box 173364
Denver, CO 80217-3364
303-556-3296
Tom.clark@cudenver.edu

Rudi Hartmann, Senior Instructor
Geography Department
University of Colorado-Denver, NC 4017-D
303-556-5296
rudi.hartmann@cudenver.edu

Deborah Thomas, Assistant Professor
Geography Department
University of Colorado-Denver, NC 3107-B
303-556-6370
deborah.thomas@cudenver.edu

Colorado State University Among other things, the Department of Natural Resource Recreation and Tourism is currently involved in setting up a workshop to address the "top tourism needs for sustainable tourism in Colorado."

Michael Manfredo, Department Head
Department of Natural Resource Recreation and Tourism

Colorado State University
1480 Campus Delivery
Fort Collins, CO 80523-1480
970-491-0474
manfredo@cnr.colostate.edu

Stephan Weiler of the **Economics Department, Colorado State University** has studied the impacts of site designation (for example, “national monument” vs. “national park”) at NPS units. His articles include “A park by any other name: National Park designation as a natural experiment in signaling” (*Journal of Urban Economics* 60 (2006) 96-106).

Stephan Weiler
Department of Economics
Colorado State University
970-491-3883
Stephan.Weiler@colostate.edu

ENVIRONMENTAL HISTORY

Colorado State University

Mark Fiege
Department of History, Colorado State University,
970-491-6468,
mark.fiege@colostate.edu

University of Montana

Dan Flores, Professor
Department of History, University of Montana
406-243-4234
DLFNewMexico@aol.com

Diane Krahe
Department of History, University of Montana
406-243-2231
dkrahe@imt.net

Krahe’s dissertation is on the ultimately abortive efforts of the wilderness movement to include Indian tribal lands in the wilderness preservation system and tribal responses to the idea of wilderness preservation. She has a chapter entitled “A Sovereign Prescription for Preservation: The Mission Mountains Tribal Wilderness” in the anthology, *Trusteeship in Change: Toward Tribal Autonomy in Resource Management*.

HISTORIC ARCHEOLOGY

University of Montana

Kelly Dixon, Professor,

Department of Anthropology, University of Montana
406-243-2450
Kelly.Dixon@mso.umt.edu

Dixon specializes in historical archaeology in the American West, with recent research at the site of the ill-fated Donner Party in the eastern Sierra. Other research interests include the archaeology of frontiers, boomtowns, landscapes, the overseas Chinese and African Americans in the West, as well as mining and logging industries in that region. She is also experienced in forensic recovery techniques on historical sites.

NPS ADMINISTRATIVE HISTORIES

Northern Colorado University

Michael Welsh, Professor of History
University of Northern Colorado, Campus Box 116
970-351-2223
michael.welsh@unco.edu

Welsh's publications include: [Dunes and Dreams: A History of White Sands National Monument](#); [A Special Place, A Sacred Trust: Preserving the Fort Davis Story](#); and [Landscape of Ghosts, River of Dreams: A History of Big Ben National Park](#).

University of Montana

Ted Catton, Adjunct Faculty
Department of History, University of Montana
406- 243-2231
tedcatton@imt.net

Catton's book-length administrative histories have included: [Land Reborn: A History of Administration and Visitor Use in Glacier Bay National Park](#); [Steward of Headwaters: An Administrative History of the St. Paul District, U.S. Army Corps of Engineers, 1975-2000](#); [Commemoration and Preservation: An Administrative History of Big Hole National Battlefield](#); [Nez Perce National Historical Park Administrative History](#); [Wonderland: An Administrative History of Mount Rainier National Park](#); and [A Forest and a Tribe in Transition: Spokane Indian Reservation Forestry, 1870-1994](#).

Diane Krahe, Adjunct Faculty
University of Montana
406-243-2231
dkrahe@imt.net

WOMEN'S HISTORY

Washington State University

Susan Armitage
Director, Center for Columbia River History
Professor of History

Washington State University
509-335-8569
armitage@wsu.edu

HISTORIC PRESERVATION CRAFTS SKILLS

Two schools within the RM-CESU provide training in hands-on preservation craft skills.

Colorado State University

Christopher Koziol, AIA, AICP
Director, Architectural Preservation Institute
Department of Manufacturing Technology and Construction Management
Colorado State University
970-491-5665
koziol@cahs.colostate.edu
<http://www.colostate.edu/Depts/DIS/>

Montana Tech

Stephen Luft, Director, Trade and Technical Department
Montana Tech
1300 West Park Street
Butte, MT 59701
406-496-3740
sluft@mtech.edu