

# DIGITAL & ARCHIVE SERVICES

Department Newsletter

## Reaching out

Mara Sedlins presented at the Rocky Mountain Advanced Computing Consortium, and the University of Oklahoma Supercomputing Center Virtual Residency.

The department hosted a social in June with other scientific/cultural departments on campus to discuss collaboration, collections, and disaster response.

## BY THE Numbers

### Archives & Special Collections

308 users served

66 feet of new/additional collections

4 tours

843 conservation treatments

### Data Management

8 data deposits

1 software carpentry workshop with Agricultural Sciences

### Digital Repository

50,000 scans created

120,514 Mountain Scholar page views (CSU-FC)

23,618 Mountain Scholar downloads (CSU-FC)

## Digital Repository & Data Management HIGHLIGHTS

### New Colorado Water Interviews



In partnership with the Poudre Heritage Alliance, the Water Resources Archive has completed eight interviews with recently retired Colorado water professionals. The videos capture stories,

knowledge, and insights from these leaders that might not otherwise have been conveyed to future generations. Perspectives represent different areas of Colorado, varied professions, and a range of experiences. The project is ongoing.

<https://mountainscholar.org/handle/10217/172792>

### New Data Set

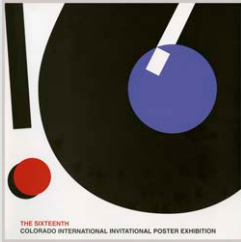
Researchers from four CSU departments collaborated on a study of moisture content in solid fuel cookstoves. Air pollution from these cookstoves is a leading risk factor for premature death in many parts of the world, but the effect of fuel moisture on pollution has been poorly understood. The researchers analyzed emissions, combustion efficiency, and the energy required to vaporize the water content in the fuel. They found that optimizing the moisture content could reduce emissions by a factor of two across different geographic regions. The article, published in *Environmental Science & Technology*, is available at <https://doi.org/10.1021/acs.est.9b00235>, and the data set

is available in Mountain Scholar at <https://dx.doi.org/10.25675/10217/194289>.

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## Archives & Special Collections HIGHLIGHTS



### Colorado International Invitational Poster Exhibition Catalogs

This fall marks the 21st biennial exhibition sponsored by CSU's Department of Art and Art History, featuring posters from prominent graphic designers from around the world. The 20 catalogs from the exhibitions are available in Mountain Scholar, which complement the nearly 2800 posters which can also be found in the repository. The exhibition is the only one of its kind in the U.S. and the collection includes posters from more than 380 artists and 50 countries.

<https://mountainscholar.org/handle/10217/196108>

### Jack Cermak Papers Available

Dr. Jack E. Cermak (1992-2012), a CSU faculty member for nearly 50 years, was an internationally-recognized authority in wind engineering. His groundbreaking research led to the development of unique wind-tunnel facilities capable of simulating motion in the atmospheric boundary layer. The *Engineering News-Record* identified the wind tunnel laboratory as one of the top 125 engineering innovations between 1874-1999. Among his projects, Cermak led important studies of wind impacts on San Francisco's Candlestick Park, the Sears Tower in Chicago, and New York City's World Trade Center. Motion picture films, research files and reports, publications, and other materials are included in the collection.

<https://lib2.colostate.edu/archives/findingaids/university/ucer.html>



## FOCUS FORWARD

### Colorado Craft Brewing

In partnership with the History Department, Linda Meyer is supervising a graduate student intern to arrange and describe existing craft brewing materials from several area breweries, and to identify and complete five oral history interviews by the end of the year.

## Notable

As featured in the June CSU *Source*, researchers from the departments of Chemistry and Mechanical Engineering deposited datasets of images and code from their study on improving the durability and tinting speed of "smart glass." Their research at the nanoparticle level, which are 100 times smaller than the width of a human hair, studied how tungsten-oxide nanoparticles absorb and scatter light. The researchers' article has been published in *Proceedings of the National Academy of Sciences* at <http://dx.doi.org/10.1073/pnas.1822007116>, and the dataset can be found in Mountain Scholar at <https://dx.doi.org/10.25675/10217/195014>.