Providing Access to the Photographic Collection of Charles F. Dwyer

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- Introduction
- Charles F. Dwyer Biography
- Description of Dwyer’s Photographic Contributions
- Digitization Projects at Arthur Lakes Library
- The Image Database
- Conclusion
Introduction

• Information Center for Ropeway Studies
  – Physical facility continues to serve well
  – Ropeway Database
    • 4000 records, added about 900 in the last two years
      – Current monograph and journal acquisitions
      – Engineering and Mining Journal historic articles (full text)
      – Casper Meals collection of papers (historic)
      – Manufacturers’ Catalogs from Morse Brothers Collection
Database Search Statistics 2003-2004
Introduction (continued)

• Paper given at Associated Wire Rope Fabricators regarding possible partnership arrangement
• Informal agreement reached with O.I.P.E.E.C. to place records of their publications in the database
• Concurrent digitization of photographs and other documents happening elsewhere in the Library
Charles F. Dwyer Biography

• Denver native, born in 1921
• University of Colorado Class of 1942, B. S. in Civil Engineering
• U. S. Naval Reserve, European and Asian theaters in World War II
• Heron Engineering Company, 1946
  – No. 1 Single-chair lift at Aspen
  – No. 2 Single-chair lift at Aspen
Chuck Dwyer (continued)

– 1st continuously circulating, fixed-grip, double-chair lift at Berthoud Pass
– Two tandem, bi-cable, single-chair lifts at Arapahoe Basin (1947)
– Several monocable, double-chair lifts in California and Utah (1952)
– Gondola at Sugar Bowl (1953)
– Reversible 12 passenger tramway at Estes Park (1955)
– Other materials ropeways and access tramways
Chuck Dwyer (continued)

- Ketchum, Konkel & Hastings, 1960
- E. G. Constam, 1962
  - 15 Chair lifts and T-bars
- Breckenridge Lands Corporation, 1965
- Chief Aerial Tramway Engineer – U. S. Forest Service, 1966
  - Walt Disney proposal for ski area development in the Mineral King area of California
  - Materials transport associated with mining projects in White Clouds area of Idaho
  - Ropeway for El Unke in Puerto Rico
  - Possible ski area near Mendenhall Glacier in Alaska
Chuck Dwyer (continued)

- Forest Service tenure continued
  - Large cabin reversible tramways in Palm Springs (California),
    Jackson Hole (Wyoming), Sandia Peak (New Mexico)
  - Investigation of accidents in Vail (1976), Keystone (1986),
    Loveland Basin T-bar, Squaw Valley (1978), and Heavenly Valley
  - Wrote many manuals, articles, and papers
  - B77.1 Aerial Passenger Tramways Committee
  - Retired after 21 years
Chuck Dwyer (continued)

- Working library including photographs and slides gifted to the Arthur Lakes Library, Colorado School of Mines and beginning of Ropeway Center (1991)
Description of Dwyer’s Photographic Contributions

• Nearly 1,500 slides and photos taken between 1957 and 1985
• Depict construction, components and evacuations
• Ropeways in Europe as well as the United States and Canada
• Include Colorado, Stratton Mountain Resort, Vermont; Teton Village, Wyoming; Park City, Utah; Sun Valley Resort, Idaho; and Mt. Hood, Oregon
• OITAF-NACS Photos
Value of the Images

- Document ropeway historical use
- Document accidents
- Document equipment configuration
- Document facility design
- Educational and cultural content
Construction Site Depiction

- Taken in early 1970s at Copper Mountain, Colorado; Winter Park, Colorado; Cheyenne Mountain, Colorado; Lake Eldora, Colorado; and Mt. Shasta, California
- Erection of ropeways
- Construction of access roads
- Land surveys
Ropeway Components Depiction

- Towers, sheaves, bull wheels, wire rope, chairs and grips
- Ramps for loading and unloading passengers and materials
- Other structures for housing drive terminals and machinery
Evacuation Depiction

- Many taken at safety seminars
- Emergency situations: images from Vail, Colorado; Park City, Utah; Mammoth Mountain, California; Grouse Mountain, Vancouver, British Columbia; and Seven Falls, Colorado
Digitization Projects at Arthur Lakes Library

- Scanning hardware is getting cheaper
- Free and open access promoted by the Internet
- Wide availability benefits a broad audience
- Digitization projects at the Library and elsewhere
- Digitization is *not* preservation
The Digitization Process

• A wide variety of materials can be digitized.
• “Best Practices” are needed for:
  – Creation
  – Storage
  – Management
  – Metadata
• The importance of descriptive information
Descriptive Elements

- Title
- Creator
- Date
- Description
- Narrative (if available)
- Subject terms
- And more!
The Image Database

• Project undertaken in 2001-2002 to convert old database to new state-of-the-art bibliographic system

• Includes historical and recent images of mining, ropeways, Colorado scenery, and the Colorado School of Mines campus.

• Additional images added continually – including Dwyer’s photographs.
The Image Database provides access to historical and recent images of mining, ropeways, Colorado scenery, and the Colorado School of Mines campus. These images represent photographs and other graphic formats held by the Colorado School of Mines Library and the National Mining Hall of Fame and Museum in Leadville, Colorado.
<table>
<thead>
<tr>
<th>#</th>
<th>Title Long</th>
<th>Author</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>[Base of Alpine Slide and Lower Terminal of Chair #7, Peak 8 in background, Breckenridge Ski Area, Colorado].</td>
<td>Dwyer, Charles F.</td>
<td>1978</td>
</tr>
<tr>
<td>2</td>
<td>[Upper terminal of Chair #7, Peak 8 in background, Breckenridge Ski Area, Colorado].</td>
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<td>1978</td>
</tr>
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<td>[View of Alpine Slide track, Chair #7 in background, Breckenridge Ski Area, Colorado].</td>
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<td>1978</td>
</tr>
<tr>
<td>5</td>
<td>[View of Chair #7 above the Alpine Slide, Breckenridge Ski Area, Colorado].</td>
<td>Dwyer, Charles F.</td>
<td>1978</td>
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<td>[View of Chair #7 above the Alpine Slide, Breckenridge Ski Area, Colorado].</td>
<td>Dwyer, Charles F.</td>
<td>1978</td>
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<tr>
<td>7</td>
<td>[View of the Alpine Slide track and base, Chair #7 in the background, Breckenridge Ski Area, Colorado].</td>
<td>Dwyer, Charles F.</td>
<td>1978</td>
</tr>
</tbody>
</table>

Contact the Circulation Desk for Assistance Regarding Holdings Information
Database: Image Database
Call Number: R0001
Title: [Gondola lift at Treasure Mountain Resort]
Other Author(s): Arthur Lakes Library,
Russell L. and Lyn Wood Mining History Archive.
Linked Resources: Full size image.

Description: Photograph : b&w; 8 x 10 in.
Held in the Russell L. and Lyn Wood Mining History Archive, Arthur Lakes Library, Colorado School of Mines. 1400 Illinois St., Golden, CO 80401

Access: Restricted access.
Narrative: Trail and Gondola lift at Treasure Mountain Resort near Silver King Mine. In 1963 United Park City Mines Company created the Treasure Mountains Resort (now Park City Mountain Resort). They installed a gondola, J-bars and chairlifts.

Subject(s): United Park City Mines Company,
Passenger ropeways Aerial Utah,
Ropeway Machinery and equipment Carriers Gondola,
Park City (Utah),
Summit County (Utah).

Notes: Item title supplied by cataloger.
"Text on verso: Neg. No. D-3551 (2A)-DX; If this photograph is used for publications please give credit to the Bureau of Mines United States Department of the Interior.".
The following information applies to the digital image:
Date scanned: 2000-10-19.
Computer file. 1 file : 488,096 bytes ; 600dpi.
Corresponding digital image available from the Colorado School of Mines; online via http://www.mines.edu/library/digitalphoto/db/R0001.jpg.
Tetrahedrite on pyrite. Colorado, Eagle County, Gilman, Eagle Mine 20-28...

**Database:** Image Database

**Call Number:** FRM0699

**Title:** Tetrahedrite on pyrite: Colorado, Eagle County, Gilman, Eagle Mine 20-28 Level.

**Date:** 2003.

**Linked Resources:** [Full size image](image_url)

**Description:** JPG (image file)

Digital image : col.

Copy of image held in the Russell L. and Lyn Wood Mining History Archive, Arthur Lakes Library, Colorado School of Mines. 1400 Illinois St., Golden, CO 80401

**Access:** Restricted access.

**Narrative:** The mineral specimen comes from the Eagle Mine, located near Gilman in the Gilman mining district, Eagle County, Colorado. Rich silver-lead carbonate ores were discovered in the Gilman area around 1879. By the early 1880s, a number of the area's mines were producing silver and gold. District production of these metals declined by the 1890s and lead and zinc became the district's primary products by the early 1900s. In 1912 the New Jersey Zinc Company consolidated some of the mines on Battle Mountain into the Eagle Mine, which became Colorado's major zinc producer. The Mine also became known for its attractive mineral specimens. The Eagle was operated by New Jersey Zinc until 1933 when it was purchased by the Battle Mountain Corporation. The Mine was closed in 1984 and subsequently flooded. Because of mine seepage, groundwater contamination and pollution from tailings the area of the Eagle Mine and the town of Gilman was declared a Superfund site in 1986. Remediation work started in 1988, and was mostly completed by 1994.

**Subject(s):** Zinc mines and mining Colorado, Mineral and rock specimens Colorado, Eagle County (Colo.)

**Notes:** "A very aesthetic specimen composed of a steep dome of intergrown pyrite crystals with a sharp crystal of tetrahedrite perched on its top; the specimen is 1.5 x 1.5 x 0.3 in, the crystal is 0.3 x 0.3 x 0.3 in."
The following information applies to the digital image:

Computer file. 1 file: 831,000 bytes.

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