

# DINOSAUR RIDGE



Ridge Report – Spring 2011

# FRIENDS OF DINOSAUR RIDGE 2010

**Friends of Dinosaur Ridge**  
**16831 W Alameda Pkwy**  
**Morrison, CO 80465**  
**Phone: 303-697-3466**  
**Web: www.dinoridge.org**

The mission of the Friends of Dinosaur Ridge is to preserve the paleontologic, geologic and historic resources on Dinosaur Ridge, Triceratops Trail and the outlier sites in the Golden-Morrison Fossil Area National Natural Landmark and to educate the public about these resources.

## Major Contributors:

- \* Rocky Mountain Association of Geologists (RMAG)
- \* Greater Denver Area Gem & Mineral Council
- \* Jeffco Conservation Trust Funds
- \* Scientific & Cultural Facilities District (SCFD)
- \* Golden Civic Foundation
- \* Dan & Mac Turner Estates
- \* Xcel Energy Foundation
- \*Western Interior Paleontological Society (WIPS)



**Scientific & Cultural  
Facilities District**

*Making It Possible.*

Cover Photo: Actors in the Friends' movie about Arthur Lakes' dinosaur discoveries. L-R: John Ghist as Henry C. Beckwith, George Daggett as Arthur Lakes, and Dan Green as a man from Morrison.  
 Photo by Pete Modreski.

## Executive Committee:

President	Sam Bartlett	Bureau of Recl. (Ret.)
Vice-President	Kathleen McCoy	Lawyer
Secretary	Beth Simmons	MSCD Geo. Instructor
Treasurer	Keith Meakins	Accountant
Norb Cygan	Geologist (Ret.)	
Pete Martin	U.S. Bureau of Reclamation	

## Board of Directors:

Marsha Barber	Science Coordinator Jeffco Schools (Ret.)
Chris Carroll	Colorado Geological Survey
Tim Connors	National Park Service
Harald Drewes	Geologist (Ret.)
DuWayne Ebertowski	Trans. Planner (Ret.)
John Ghist	High School Earth Science Teacher
Jonna Gentry	High School Earth Science Teacher
Martin Lockley	University of Colorado, Denver (Ret.)
Marj MacLachlan	Geologist (Ret.)
Judy Peterson	Paleo Artist
Betty Rall	Geologist (Ret.)
Robert Reynolds	Denver Museum of Nature & Science
Kermit Shields	Geologist (Ret.)
Lou Taylor	Denver Museum of Nature & Science

## Committee Chairs:

Sub Committee Chairs:

### **Beth Simmons**

Martin Lockley  
 Lou Taylor  
 Clare Marshall  
 Tom Moklestad  
 Marsha Barber

### **Kermit Shields**

Tom Moklestad

### **Clare Marshall**

### **Bruce Wyre**

Pete Martin  
 Robert Reynolds  
 Keith Meakins

### **Sam Bartlett**

### **Tom Moklestad**

### **Joe Tempel**

## Committees:

Sub Committees:

### **Education**

Publications  
 Curation/Ridge Report Editor  
 Exhibits  
 Tours, Events, Brochures, Posters, Signs  
 K-12 Education

### **Volunteers**

Community Outreach

### **Membership**

### **Finance**

Budget  
 Investments  
 Accounting

### **Preservation & Long Range Planning**

### **Marketing**

### **Development**

## Staff - Friends of Dinosaur Ridge:

Executive Director	Joe Tempel
Programs & Operations Director	Tom Moklestad
Education Programs Assistant	Erin Fair
Visitor Center Manager	Roger Bennett
Visitor Center Assistant	Barbara Davidson
VC Assistant and Computer Tech	Brian Davidson
Driver/Birthdays/Visitors Center	Bobbi Kilgore
Membership/Exhibits	Clare Marshall
Maintenance	Ted Gildea
Driver/Tour Guide	Morgan Gray
Driver/Tour Guide	Amber Cain
Driver	Sue Kaberline
Driver	Dan Fanelli
Driver	Thornton Geise
Docent (Sat/Sun)	Merlin Barnes
Docent (Sat/Sun)	Jamie Paul

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*Friends of Dinosaur Ridge Executive Director Joe Tempel and Secretary Dr. Beth Simmons proudly show the award received by the Friends from the Jefferson County Good News coalition. (See the Executive Directors Report in this issue.)*

# MANAGEMENT REPORTS

## PRESIDENT'S MESSAGE

On January 29<sup>th</sup> the Board of Directors held a retreat to look at future governance for the Friends of Dinosaur Ridge, in light of the phenomenal growth that we have been experiencing, as a means to bolster our influence when working with outside entities and in soliciting funding for our new initiatives.

The retreat was facilitated by Dr. Didi Fahey of Qrem. As a result of the retreat, Didi supplied us with a potential organizational structure and a timeline for implementation. Since then the executive committee has held two meetings to refine the board structure and has recommended the following structure based on eight key committees:

**Governance** – bylaws, meetings, and procedures. Experience required with by-law development, non-profit compliance implementation, Robert's Rules of Order, and organizational procedures.

**Publications and Research** – books, guide pamphlets, films, *Ridge Reports* and research activities. Experience required with research activities and funding, communications and editing skills.

**Education** – *Trek Through Time*, exhibits, educational brochures, school outreach, k-12 programs, school tours, adult education and tours, bus tours, weekend and evening activities, and posters and signs. Experience required with curricula development, knowledge of current standards, working with educators, schools and administrators.

**Events, PR, and Marketing** – marketing, public relations, outreach events, Dinosaur Discovery Days, and Rock out for the Ridge. Experience required with event coordination, scheduling and marketing techniques.

**Volunteer and Membership** – membership and volunteer recruitment policies, database, drives, and goals, support, and recognition. Experience required with volunteer management and organizational operations

**Preservation** – preservation requirements and initiatives, facilities, maintenance, collections, buildings, Dinosaur Ridge and Triceratops Trail maintenance. Experience required with engineering, preservation techniques, and requirements and facilities.

**Development, Futures and Evaluation** – long-range planning, governmental interactions, monitoring effectiveness and overall evaluations of programs, future initiatives and funding goals. Experience required with strategic planning, risk management, quantitative, qualitative and observational evaluation techniques and knowledge of existing community entities.

**Finances** - Budget, accounting, gift shop, investments, grants and fund raising. Experience required with fund raising, grant procurement, accounting principles, tax preparation, grant preparation and investment strategies.

Each committee will consist of a chairperson and 4-5 committee members. Meetings will be held monthly and minutes will be distributed within 20 days. Each committee will have one staff representative as an advisor. FODR members can serve on only one committee at a time and cannot change committees until the next yearly cycle. Additionally, the president and the executive director will work together to address HR, staff and grievance issues.

It is envisioned that the FODR board consist of the committee chairpersons from each of the eight committees, two at-large members from the general membership, and the president. The Executive Director will become a non-voting board member. Board members will be limited to three consecutive, three-year terms. The board will handle all policies and procedures governing the overall running of the Friends of Dinosaur Ridge. The staff and volunteers will be responsible for implementing those policies and procedures.

We also plan on keeping the executive committee to handle emergency decisions and unexpected actions between board meetings. As per our current bylaws, executive committee actions can be questioned at board meetings and repealed by the full board if deemed necessary.

The executive committee and the board will continue to refine the structure as we move towards implementation. In the interim, we will contact other non-profits that have gone through this process and learn from their experiences.

We hope to implement the new board structure by the start of the next budget cycle. However, we want to progress slowly to

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# MANAGEMENT REPORTS

*Continued from previous page*

make sure that we accommodate everyone's needs and adjust as circumstances dictate. Part of the ultimate goal is to create a policy-making board and reduce the requirement for the board to get bogged down in the day-do-day details of FODR operations, and to reduce the number of board meetings to four a year. We plan to work slowly towards achieving the quarterly schedule once we are comfortable with the overall structure and direction. Since we have just elected one half of the board for a two-year term, we plan to use these two years to fully implement the board structure and reach the target number of 11 board members.

So what does this mean to the FODR members? I realize that the committee functions are somewhat sketchy for now but the committee structure and the number of committee members is a good target. As one member noted, we will need somewhere between 28 and 37 committee members to flesh out the eight committees, and more to support sub-groups to complete specific tasks. This is more people than we now have within the current board and committee structure. Thus, we will need to recruit many more active

members to fill the vacancies and grow the FODR to its long-term potential. **Therefore, we are asking you, the members, to scrutinize the potential committee and board structure, decide which committee you would like to serve on and volunteer for that committee. In this manner we can all take an active role in "organizing for success" and grow the FODR to its full potential.**

If you have any questions, comments or want to be part of our future growth by volunteering for one of the eight committees, please do not hesitate to contact me or any member of the FODR Board of Directors.

One of the biggest challenges for our members and staff will be to insure that the Friends of Dinosaur Ridge remains the vibrant organization that we all cherish, hold dear to our hearts, and enjoy being a strong part of.

Thank you for your continued support as we look towards the future.

-SAM BARTLETT



*A large rock fell from the south side of the hairpin curve on Dinosaur Ridge Sunday evening, April 10, 2011. As shown in the before and after photos, the rock split as it fell.*

# MANAGEMENT REPORTS

## EXECUTIVE DIRECTOR'S REPORT

### Preservation

**Protective Covers Completed over the Trace Fossils at Triceratops Trail** — Two protective covers were constructed by the Yenter Company at Triceratops Trail in March. These covers are constructed of steel and painted to match the sandstone walls containing the trace fossils. This is one of only a handful of places in the world where dinosaur, bird and mammal tracks can be seen on the same surface. The sandstone also contains impressions of palm fronds and other leaves. The covers will protect the fossils from further weathering by rain, snow and freeze-thaw cycles.

Thank you to all of the following organizations who provided the funding (\$102,000) for these covers:

- Jefferson County Conservation Trust Fund: \$30,000
- Harvey Family Foundation: \$25,000
- Friends of Dinosaur Ridge: \$13,000
- Adolph Coors Foundation: \$10,000
- Gates Family Foundation: \$10,000
- MDU Foundation: \$5,000
- City of Golden: \$5,000
- Golden Civic Foundation: \$4,000



*Protective cover at Triceratops trail  
Credit: Joe Tempel*

### Funding

**Requests for funding to the Scientific and Cultural Facilities District (SCFD)** — We have requested \$100,000 for tours and \$2,500 for a video about the dinosaur discoveries of Arthur Lakes from SCFD. In preparing these grant proposals, Clare Marshall prepared the charts below that depict the visitation trends from the six counties in SCFD over the last eight years. While the percentages from the counties have not changed dramatically over the last eight years, the total numbers have increased. This is a tribute to the great programs we offer to the schools and the general public, and to the fact that access to Alameda Parkway over Dinosaur Ridge was restricted to pedestrians, bicyclists, and tour buses in July 2008.



*New automatic gate opener*

**Automatic Gate Opener on the West Side** — The Friends received a \$5,000 grant from the Jefferson County Conservation Trust to install an automatic gate opener in April. This will allow buses to exit the west side of the Ridge rather than having to turn around on the Ridge to return to their schools. **Thank you Jefferson County.**

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# MANAGEMENT REPORTS

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## Facilities

**New Tour Bus** — The Friends purchased a 14 passenger 2005 Ford bus in April for \$16,000 (see photo). It will be used for our tour program throughout the year, especially during the busy summer season.



*New 24-passenger tour bus*

## Award

**Jefferson County Good News Coalition** — On April 26, 2011 the Friends of Dinosaur Ridge was honored by the Jefferson County Good News Coalition with the “Growing Legacy of Good Works” award. This year is the sesquicentennial for Jefferson County, so the Coalition honored 12 individuals and organizations including the Colorado Railroad Museum, the Golden History Museums, Jefferson County Historical Commission, and the Ken-Caryl Ranch Historical Society. Beth Simmons and Joe Tempel were present to receive the Friends’ award for preserving the fossils and educating the public about them (See photo on Table of contents page.).

— JOE TEMPEL

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## PROGRAM DIRECTOR’S REPORT

### First Quarter, 2011

#### Visitation, Attendance and Sales

Program	2010	2011	Change
Visitors to Visitor Center	7,156	8,621	+20%
Tours (Total Attendance)*	3,031	3,758	+24%
Trek Through Time	2,745	3,401	+24%
Birthday Parties	50	89	+78%
Chats, Hikes, Field Trips	101	93	- 8%
Traveling Exhibit Visitors	1,000	300	-70%
Off Season Exhibits/Events	NA	342	---
Sales (\$) **	29,334	40,086	+37%

\* includes attendance for guided school tours, shuttle bus tours, and school outreach

\*\* includes receipts from Gift Shop, Shuttle Bus, Trek Through Time, School Tours, Snack Shack and Birthday Parties.

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# MANAGEMENT REPORTS

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The first quarter started slowly with the Gift Shop bouncing back in February and then having a record March. Guided school tours also had a record March that made up for a slow start. Fair to excellent weather throughout spring break during the second half of March contributed to the record numbers. For the first time we committed two shuttle bus drivers per day to the spring break and were pleased with the results. Birthday parties continued their very strong growth.

## Volunteer Awards

About 65 guests attended the volunteer awards ceremony for 2010 at the annual meeting on March 16, 2011. Thanks to FirstBank for sponsoring the event. Qdoba catered the Mexican food, and Clare Marshall provided corned beef. Members who attended dined in the spectacular clubhouse and patios of Solterra, our partner in the Rooney Valley Association. Following the meal, awards were presented to deserving volunteers and staff. Dr. Martin Lockley, a founding member of FODR, spoke about the dinosaurs and trackways of China.

**Rock Out Star (for Rock Out for the Ridge)** -- Janie Bennett

## Lifetime Achievement Awards

### **Marj MacLachlan**

Member since 1990 (20+ years); currently leading effort to account for all volunteer hours accurately

Secretary of the board 1993-96; current board member

Geologist for the U.S. Geological Survey, in the names unit

Funded the life-size dinosaurs in the courtyard of the FODR Visitor center and the mural at Confluence Park

### **Betty Rall**

Member since 1990 (20+ years); current volunteer in *Trek Through Time* and at Dinosaur Discovery Days

Second president of FODR (1997-1999); current board member

Geologist in the petroleum industry  
“a stabilizing influence on the board”

## Excellence Awards (for outstanding performance in 2010)

**Outstanding Media Performance of the Year** -- Keith Patton, for Ridge stop lectures on *YouTube*

**Designer and Builder of the Year** -- Richard Kerr

**Author/Compiler of the Year** -- Martin Lockley, for *Colorado's Dinosaur Artist*; Beth Simmons, Jack Davidson, and Kathy Honda, for *Rooney Ranch*

**Outstanding Caster of the Year** -- Karen Eberhardt

**Top Gun Awards (for outstanding performance in 2010)**

**FODR Partner of the Year** -- Ann Sarg (Morrison Natural History Museum), for Reptile Day in July

**Team Leader of the Year** -- Kermit Shields, for leading the Brochures, Posters & Props Team

**Trek Through Time Docent of the Year** -- Sharon Carosella (Received

*Tyrannosaurus rex*)

**Community Outreach Volunteer of the Year** -- Cindy Barnes, for the Denver Gem & Mineral Show (Received Dinosam) and Merlin Barnes, for the Old Navy Grand Opening (Received *Stegosaurus*)

**Dinosaur Discovery Day Volunteer of the Year** -- Don Brehm, for Gold Panning;

Ed Post, for Gold Panning; and DuWayne Ebertowski, for Metal Detecting (All received *Apatosaurus*)

**School Tour Guide of the Year** -- John Townrow (Received *Iguanodon*)

**Volunteer of the Year** -- Sue Jenne (Received *Triceratops*)

**Purple Heart** -- Richard Fantel, for docenting with a broken wrist.

**Tundra (Leading Centennial K-8 School in snow)** -- Richard Kerr and Sam Bartlett

**Mariah (Leading Cole Arts & Science Academy in high winds)**-- John Townrow and Ed Post

**Sully Award (Bus drivers and dispatchers had a record year)**-

Ted Gildea

Bobbi Kilgore

Morgan Gray

Amber Cain

Dan Fanelli

Sue Faberline

Jack Davidson

Barb Davidson

Brian Davidson

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# MANAGEMENT REPORTS

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## **Golden Guide (Tour guides during record-setting April and/or October) –**

John Townrow  
Richard Kerr  
Frank Adler  
T Caneer  
DuWayne Ebertowski  
Bob Munger  
Sam Bartlett  
Curt Johnson  
Bill Danley  
Harald Drewes  
Chris Carroll  
Kermit Shields  
Norb Cygan  
Mel Glerup  
Keith Patton  
Al Kleebe  
Marsha Barber  
Curtis Elder  
Beth Simmons  
Don Brehm  
Pete Varney  
John Ghist  
Ed Post  
Larry Donnithorne

## **Certificates of Merit**

### **Tour Guides 2010**

John Townrow (Tour Guide of the Year)  
Kermit Shields (Committee Chair of the Year)  
Richard Kerr (Designer & Builder)  
Sam Bartlett  
Bill Danley  
Norb Cygan  
Duwayne Ebertowski (DDD award)  
Frank Adler  
T Caneer

Guy DiTorrice  
Marsha Barber (Docent Certificate)  
Al Kleeb (Rookie Award)  
Bob Munger  
Curt Johnson  
Mel Glerup  
Keith Patton (Media Award)  
Ed Post (DDD Award)  
Curtis Elder  
Beth Simmons (Author/Compiler award)  
Don Brehm (DDD award)  
Jonna Gentry  
Tim Connors  
Larry Donnithorne (Rookie award)  
Karin Bond (Docent Certificate)  
Chris Carroll  
John Ghist (Special Projects Certificate)

Bob Raynolds

### **Docents 2010**

Merlin Barnes (Outreach Award)  
Brook Carlsen (Rookie Award)  
Sharron Carosella (Weekend Warrior)  
Steward Christopher  
Bill Danley (Tour Guide Certificate)  
Richard Fantel  
TJ Giese (Rookie Award)

George Griffin

Sue Jenne (Volunteer of the Year)

Duff Kerr

Marjorie MacLachlan

Kathleen McCoy

Pat Morris

Betty Rall

Blair Robert

Paul Williams

Barbara Harvey

### **Special Projects 2010**

Sarah Buchner

Jane Dianich  
John Ghist  
Dan Green  
Kathy Honda  
Jay Hooley  
Jan Jacobs  
Larry Jankowski  
Bill Kurtz  
Kris Kubiak  
Keith Meakins  
Judy Peterson  
Evin Scherer  
Tamra Schultz  
Joan Welton  
Bruce Wyre  
Pete Martin

### **DDDays 2010**

Jason Burriss  
Jack Reed  
Leroy Shaser  
Lou Taylor  
Mary Taylor  
Dave Jenne  
Barbara Kretsch  
Dale Moser  
Ed Post  
Larry Lange

**Casters 2010** -- Derek Olson and Doris Meakins

### **Rookie Awards**

**Tour Guide Rookie of 2010** -- Al Kleeb and Larry Donnithorne

**Rookie Caster of 2010** -- Linda Evans

**Rookie Docent of 2010** -- TJ Giese  
Congratulations to the winners and a big “thank you” to all volunteers and staff for making Dinosaur Ridge so special.

—TOM MOKELSTAD

# CALENDAR OF EVENTS

**Saturdays, May 14 and 21, 2011** -- Teacher Enhancement Course, *Introduction to Paleontology and Geology (K12)*, at Visitor Center. Taught by Dr. Louis Taylor. Lecture and field trips. 8 a.m. – 5 p.m. Continuing education credit available through Colorado School of Mines. For more information and to register go to <http://te.csmspace.com/register.php> or [te@mines.edu](mailto:te@mines.edu) or call 303-279-3855.

**Saturday, June 4, 2011** -- Triceratops Trail Day on National Trails Day. Guides stationed along the trail will point out dinosaur tracks and other fossil evidence. Directional signs one block east of 6<sup>th</sup> Ave and 19<sup>th</sup> St. in Golden. See the new Palm Frond Structure.

**Thursday and Friday, June 9-10, 2011** -- Teacher Enhancement Course, *Dinosaur Ridge Teachers' Workshop*, taught by Dr. Pete Modreski and Dr. Norb Cygan, classroom and outdoor instruction, 8:30 a.m. - 5 p.m. Continuing education credit available through Colorado School of Mines. For more information or to register visit <http://te.csmspace.com/register.php>

**Saturday, June 11, 2011** -- Dinosaur Discovery Day: *National Get Outdoors Day*. Geology exhibits and hands-on fossil activities at the Visitor Center. Expert guides stationed along the Ridge trail. Hike at your own pace or take the shuttle bus (\$3, 4 & 5 yrs. half price, 3 & under ride free). Outdoor activities include gold panning and fossil sieving. 10 a.m. – 2:30 p.m. Free (except for optional shuttle).

**Thursday through Saturday, June 22-24, 2011** -- Teacher Enhancement Course, *Geologic Principles for Educators*, by Mike Zawaski, geologist and educator. College credit available through Western State College. Visit [www.ObservantNaturalist.org](http://www.ObservantNaturalist.org) or call Mr. Zawaski at 970-302-8043.

**Saturday, August 9, 2011** -- Dinosaur Discovery Day: *Reptile Day*. Live reptiles on display and hands-on activities at the Visitor Center. Expert guides stationed along the Ridge trail. Hike free or take the optional shuttle bus (\$3, 4 & 5 yrs. half price, 3 & under ride free). 10 a.m. – 2:30 p.m. Free (except for optional shuttle).

**Monday through Thursday, August 1-4, 2011** -- Teacher Enhancement Course, *Hands-on Rock & Fossil Activities for Middle School Students, Aligned to Dinosaur Ridge and Triceratops Trail* by Marsha Barber, K12 educator. Continuing education credit offered through the Colorado School of Mines. [marshabarber@mywdo.com](mailto:marshabarber@mywdo.com)

**Saturday, August 9, 2011** -- Dinosaur Discovery Day: *Geocaching Day*. Rockhounding activities and hands-on fossil searches. Expert guides stationed along the Ridge trail. Hike free or take the optional shuttle bus (\$3, 4 & 5 yrs. half price, 3 & under ride free). 10 a.m. – 2:30 p.m. Free (except for optional shuttle).

**Saturday, September 10, 2011** -- Dinosaur Discovery Day: *Reading Really Rocks*. Festivities will include a story time for kids. Hands-on activities include gold panning and exploring for fossils. Expert guides stationed along the Ridge trail. Hike free or take the optional shuttle bus (\$3, 4 & 5 yrs. half price, 3 & under ride free). 10 a.m. – 2:30 p.m. Free (except for optional shuttle).

**Saturday, October 8, 2011** -- Dinosaur Discovery Day: *Girl Scout Day and National Fossil Day* as part of Earth Science Week. Geology and hands-on fossil activities suitable for scouts to earn patches and awards. Expert guides stationed along the Ridge trail. Hike free or take the optional shuttle bus (\$3, 4 & 5 yrs. half price, 3 & under ride free). Small astronomy section as part of International Astronomy Day. 10 am – 3 pm. Scouts must register. Free admission to general public.

**Friday, November 11, 2011** -- Annual FODR Fundraiser: *Rock Out for the Ridge*. Includes dinner, a silent auction, live auction, and a program. Red Rocks Visitor Center (at the top of the amphitheater).

**Saturday, November 19, 2011** -- Dinosaur Detectives: *Backyard Bones*, short course on dinosaur bones at the Visitor Center includes a dig. For 6 to 9 year olds, with all ages welcome. 10 a.m. – 11:30 a.m.

# RECENT ACTIVITIES

## UNVEILING OF MURAL AT CONFLUENCE PARK



Life members Kermit and Beth Shields were on hand at Confluence Park on November 20 for the unveiling of the new Dinosaur Mural. The South Platte River Environmental Education (SPREE), the educational arm of the Greenway Foundation organized this project. The mural was funded by Marj MacLachlan in memory of Jim MacLachlan, and supported by Friends of Dinosaur Ridge.

Denver elementary school students and local artist Emanuel Martinez, who painted the *History of Morrison* mural, painted this mural.

**Be sure to stop by and see this mural!**

— KERMIT SHIELDS

## FIRESIDE CHATS

In February, Friends board member John Ghist took the Fireside Chat podium to describe the life and times of Edwin D. McKee, the great geologist who spent most of his life studying the Grand Canyon. McKee was well respected as a geologist at the U.S. Geological Survey, taught for a time at the University of Arizona, and is remembered for early research into sedimentological structures of sand dunes.

On April 26, Dr. Kent Hups, discoverer of the most complete ankylosaur in existence, showed us how the Morrison Formation in his western Colorado quarry is similar to the Morrison strata in the type section on Dinosaur Ridge. Kent's specimens are remarkable, and he is still collecting from the site.

**Fireside Chats to be discontinued** -- The spring of 2011 commemorates the end of a Dinosaur Ridge tradition, the Fireside Chat series of public talks given by experts on dinosaurs or geology. Attendance has dropped off significantly over the past two years, to the point at which it is not fair to ask speakers to travel and prepare talks for fewer than 10 people.

— BETH SIMMONS



*Dr. Kent Hups describing the discovery of an ankylosaur skull in western Colorado*

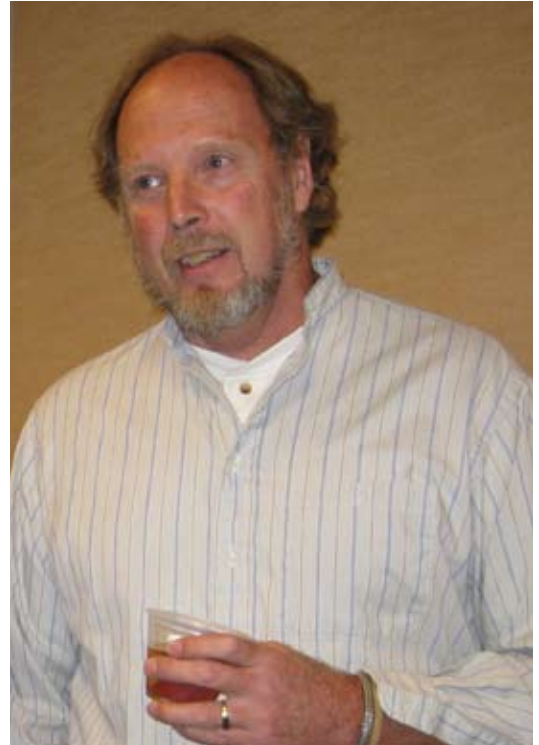
# RECENT ACTIVITIES

## NEW LIFE MEMBERS



**Leroy Shaser**

Leroy is a tall, quiet gentleman. He is a petroleum geologist who enjoys interpreting the Denver Basin overlook on Dinosaur Discovery Days. You'll also see Leroy at most of the Friends social events, like Rock Out for the Ridge and the Annual Meeting. Leroy became a Life Member in March.



**Dr. Martin Lockley**

Martin, one of the Friends founding fathers and an Honorary Life Member, became a regular Life Member in April. Dr. Lockley is known as the "Sherlock Holmes of fossil footprints" and can often be seen giving a presentation to the Friends.

**Bruce Wyer and Deb Daur**  
**(not pictured)**

Bruce, a financial consultant, was on the Board of the Friends of Dinosaur Ridge for about three years. He helped the gift shop implement a point of sales program that promises to increase efficiency. Bruce moved to Ohio in 2010. Bruce and his wife, Deb Daur, became Life Members in April.



**Keith and Doris Meakins**

Keith and Doris, who have volunteered for decades as a board member and an accountant (Keith), and a fossil caster (Doris), became Life Members in February, even though they were awarded Honorary Life Memberships about nine years ago.

# COMMITTEE REPORTS

## EDUCATION COMMITTEE, PUBLICATIONS SUBCOMMITTEE

### Arthur Lakes Movie in Production!

Still photos are “in place” and building a framework for video placement and editing. Three major shootings are done, but filming will continue into November. Thanks go to John Ghist, Judy Peterson, Sam Bartlett, and Lou Taylor, FODR board members who have helped with acting and props.

The cast and crew:

**Director:** Beth Simmons

**Arthur Lakes:** George Daggett

**Henry Beckwith:** John Ghist

**Benjamin Mudge:** Lou Taylor

**Alex S. Young (voice):** Joe Payne

**Martin Lockley:** himself

### Arthur Lakes Shot at Hidee Mine on 9 April 2011!

The shooting was successful, but we are pleased to report that Arthur Lakes is fine and will reappear several more times this summer and fall as the FODR intrepid acting and filming troupe continues to reenact salient scenes from Lakes’ 1877 discoveries, public viewings, and lectures about Morrison dinosaur bones.

The first episode in the documentary movie was filmed on March 26 at the site of Quarry #1, where Lakes and H. C. Beckwith, Alex S. Young, and the other “men of Morrison” first discovered evidence of dinosaurs. Dressed in appropriate vintage clothing, the Friends of Dinosaur Ridge actors, extras, camera crew, directors, bearers, porters, and roustabouts trekked up a steep hogback path to reenact the original discovery at its actual site. They lugged some of the heavy bones down the hill to the waiting “wagon” at the base of the hogback.

The second “shooting” took place April 9 at the reconstructed wooden mine buildings at the Hidee Mine near Central City, dubbing in for the wooden shed where Arthur Lakes unloaded, stored, and then crated up his dinosaur bone finds. How distraught Lakes became when one of the young boys among the townspeople to whom he was showing off the bones, dropped and broke one!

Future episodes will include “crowd scenes” in Morrison and elsewhere as Lakes discusses and lectures about the bone finds to

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**Kenneth Carpenter:** himself

**Dan Brinkman:** himself

**Narrator:** Richard Kerr

**Workmen, quarrymen, assistants, and men, ladies, and boys of Morrison:** Sam Bartlett, Dan Green, Pete Modreski, Katherine Honda, Linda Barton, Cullen Green, Matt Jessup, Jane Dianich, Richard Kerr

**Videographers and Editors:** Larry Jankowski, Marjorie Payne, Stephanie Guerin, Steve Byrnes

**Prop makers and costumers:** Linda Barton, Sue Jenne, Karen Eberhardt, Linda Evans, Kathy Honda, Beth Simmons, Richard Kerr, Judy Peterson

— BETH SIMMONS, JANE DIANICH, AND PET MODRESKI



*Ladies of Morrison going into the office of Morrison Stone, Lime, & Town company to look at Lakes’ fossil bones. and Joe Payne*

# COMMITTEE REPORTS

Continued from previous page

with throngs of excited townspeople all dressed in their 1877 finest.

Beautiful sunny days, fun, and fellowship are all part of filming these episodes in the life of Arthur Lakes, professor, Methodist minister, and natural scientist, as he satisfied his curiosity in exploring the hills and, indeed, discovering the first substantial evidence of dinosaurs in the West.

All of us who have been participating express our appreciation to Dr. Beth Simmons and others for the many Herculean hours they have invested in researching, planning, scripting, and costuming this accurate-as-can-be reenactment of Lake's historic discoveries. Thank you to all of the characters who are willing to also give of their time and efforts.

— JANE DIANICH AND PETE MODRESKI



Getting ready. L-R: Larry Jankowski, Jane Daianich, Kathy Honda, Linda Barton, and Joe Payne

## VOLUNTEER COMMITTEE

On March 19, we held a Dinosaur Ridge Volunteer Spring Training session. Twenty-four people attended and we had a great afternoon talking about the Jurassic side of Dinosaur Ridge. In addition to talking about teaching techniques, the *Trek Through Time* exhibit, and visiting the west side of the Ridge, we discussed six “Jurassic Tidbits”:

1. The extent of the Morrison Formation is greater than 1.5 million square kilometers, and the distribution of *Allosaurus* was widespread throughout this range.
2. *Camarasaurus* was also widespread across this range; recently paleontologists at the Yale Peabody Museum found evidence of this dinosaur in samples recovered from Dinosaur Ridge in 1877.
3. The quarries originally worked by Arthur Lakes are being re-discovered. Friends of Dinosaur Ridge volunteers are working Quarry #1, and Quarry #10 is being re-examined by workers from the Morrison Natural History Museum.
4. Definite identification of the fossils bones that are visible at our Bone Site is very speculative. We know that they are dinosaur bones, but the genus of the animal remains in question.
5. We discussed the Bone Wars between Othniel C. Marsh and Edward D. Cope, and talked about the pros and cons of their kind of exploration

6. We also discussed the chemical composition of the fossils at our Bone Site, based on an analysis conducted by researchers at the Colorado School of Mines.

More detailed discussions of these topics are available upon request, but volunteers and potential volunteers should know that training is available and that we have many resources to teach you about the big picture as well as the specific details that we present on tours and in the Visitor Center displays.

The Friends of Dinosaur Ridge depends on the dedication of many volunteers and the more the volunteers learn, the more able they are to advance the mission of Dinosaur Ridge. We welcome any ideas about training needs or training opportunities and look forward to seeing many of you at our next training session.

### Walk with a Geologist

This summer, starting in May, we will introduce a new program called “Walk With a Geologist.” On the first and third Saturdays of each month, a Friends of Dinosaur Ridge geologist will give a walking tour on the Ridge. The geologist will provide a more in-depth look at the rocks on the Ridge and the story that goes with them than is offered during a normal shuttle bus tours. We anticipate that these tours will last about two or two and a half hours and will offer a view and an understanding of the Ridge that very few visitors get to see. Check the Dinosaur Ridge website ([www.dinoridge.org](http://www.dinoridge.org)) to get the details or call the Visitors Center (303-697-3466).

— KERMIT SHIELDS

# COMMITTEE REPORTS

## MARKETING COMMITTEE

In March visitors mentioned seeing Dinosaur Ridge on the Discovery Channel in a program called *Prehistoric Denver*. More recently, Randy Hayes of the Bureau of Land Management, was filming on Dinosaur Ridge for a series of podcasts being produced by Cañon City.

The Board approved the Friends' participation in the *Blue Star Program*, sponsored by the National Endowment for the Arts. FODR will join 1000 other museums in offering free admission to active military personnel and up to five of their family members. The program runs from Memorial Day through Labor Day.

—TOM MOKLESTAD

## MEMBERSHIP COMMITTEE

FODR Member Bob Munger proposed the idea of paid life memberships in October of 2010. He and his wife Aliene, Kermit and Beth Shields, and Richard Kerr all became life members last year. The past few months has seen a doubling in our Life Memberships. Detailed elsewhere in this issue, the Friends gained new Life Members Keith and Doris Meakins in February, Leroy Shaser in March, and Dr. Martin Lockley and Bruce Wyer and Deb Dauer in April.

Also since January 1st, we have received 20 new members and 41 membership renewals, which is good. But, it is only a start. I urge each of you to ask a friend, neighbor, family member, or business associate to become a member of the Friends of Dinosaur Ridge. **Let's double our regular members the way we doubled the number of life members this quarter!**

— CLARE MARSHALL



On March 22, 2011, the Iguanodon blew over. A microburst that shot through the Visitor Center area did the damage. We hope to have it repaired and upright soon.

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