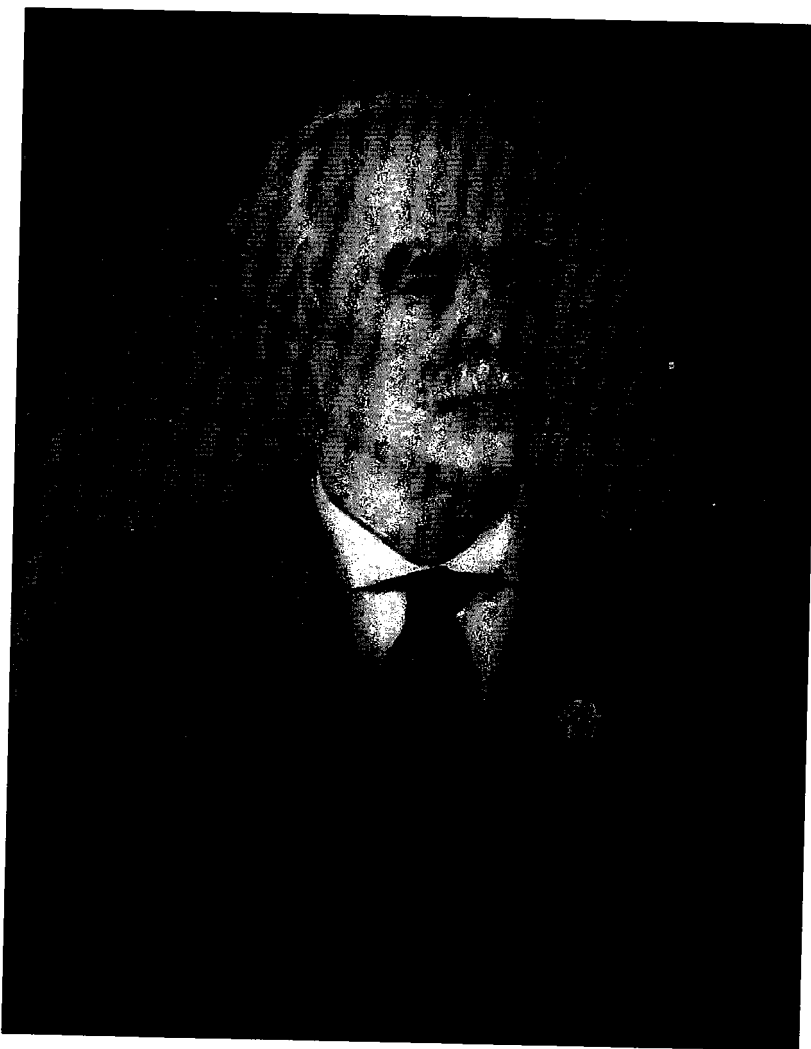
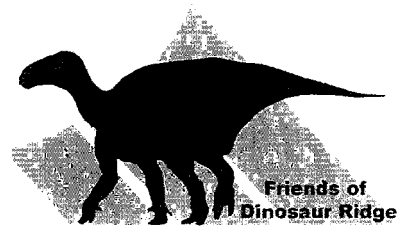


2006 Annual Report



Professor Arthur Lakes (1844-1917)

Arthur Lakes was 33 years old when he found dinosaur bones on what is now known as Dinosaur Ridge near Morrison, Colorado. Born in 1844 in the County of Somerset in western England. He was educated at Oxford University, and after immigrating to Canada, he briefly taught school and later ended up at Jarvis Hall Collegiate School in Golden, Colorado. He first taught English and Latin, but when the School of Mines opened as part of Jarvis Hall in 1870, he started to teach writing and drawing. In 1874, he took up preaching in several foothills towns, and it was on his return from such a trip that he made his big discovery.

In 2007, the Friends of Dinosaur Ridge will be celebrating 130 years since

Arthur Lakes discovered dinosaur bones on Dinosaur Ridge

Volume 19, Number 1

Friends of Dinosaur Ridge
16831 West Alameda Parkway
Morrison, Colorado 80465

Tel: 303-697-DINO (3466)
www.dinoridge.org

Editor: Ed Warren
Design and Production: Ed Warren

The Friends of Dinosaur Ridge (FODR), a 501 C3 non-profit tax exempt organization, was established to protect the natural resources on Dinosaur Ridge and Triceratops Trail, and to educate visitors about the area's geologic, prehistoric and natural features.

Major Contributors

- ❖ Gates Family Foundation
- ❖ Coors Foundation
- ❖ Great Outdoors Colorado
- ❖ Jeffco Conservation Trust Funds
- ❖ Scientific & Cultural Facilities District (SCFD)
- ❖ Jefferson County Open Space
- ❖ Boettcher Foundation



**Scientific & Cultural
Facilities District**

Friends of Dinosaur Ridge 2006

Officers

President	Chris Carroll	CO Geological Survey
Vice-President	Sam Bartlett	Bureau of Recl. Retired
Secretary	Bob Raynolds	Consulting Geologist
Treasurer	Keith Meakins	Accountant

Executive Committee Members

Norb Cygan	Geologist
Duff Kerr	Kerr & Associates
Kathleen McCoy	Lawyer
Pete Martin	U. S. Bureau of Reclamation
Betty Rall	Geologist
Ed Warren	Geological Engineer, Ret.

Board of Directors.

Tim Connors	National Park Service
Harald Drewes	Geologist
DuWayne Ebertowski	Fed. Hwy Admin., Ret.
Jan Jacobs	Technical Editor
John Kelly	Geologist
Susan Landon	Thomasson Partner Associates
Martin Lockley	University of Colorado, Denver
Marge MacLachlan	Geologist
Pete Modreski	United States Geological Survey
Kermit Shields	Geologist
Beth Simmons	Metro State College
Jeff Stephenson	Denver Museum of Nature and Science
Andy Taylor	Metro State College

Committee Chairs

Pete Martin	Budget
Beth Simmons	Education
Joe Tempel	Fundraising
Tom Moglestad	Outreach
Sam Bartlett	Preservation
Martin Lockley	Publications
Kermit Shields	Volunteer

Staff – Friends of Dinosaur Ridge

Executive Director	Joe Tempel
Program & Operations Director	Tom Moglestad
Educational Programs Assistant	Erin Fair
Visitor Center Manager	Roger Bennett
Visitor Center Assistant	Jack Davidson
Visitor Center Assistant	Barb Davidson
VC Assistant & Computer Tech	Brian Davidson

President's Page

By

Chris Carroll

I have been associated with the Friends of Dinosaur Ridge for nearly eight years now. In that time we have grown from being a small local community organization to now a well respected "don't miss" tourist destination in Colorado. I have watched our budget go from thousands of dollars annually and being able to build just a few signs on the ridge, to now hundreds of thousands of dollars and the complete reconstruction of our barn. We have grown from one paid employee to over seven employees in that time as well. The tasks achieved by the many volunteers and employees have far outpaced my expectations since I joined.

We successfully reached our goals in 2006. Education and preservation goals were both set at high bars last year. We cleared the bar on both attempts. For education, we established the **Ancient Environmental Education Center** to display murals and interactive exhibits to the public. Throughout 2006 **Joe Tempel**, our executive director, was able to acquire grants and donations to cover over \$150,000 in new construction for our barn to create a beautiful space in the barn for both our education team members and a new education room (thanks to a generous donation from **Chevron**). In fact, he oversaw the entire construction progress from the ground up to the new roof on the barn in just six months time. Congratulations **Joe Tempel** for your very hard work, dedication, and commitment to us.

Preservation goals in 2006 were equally important to us, as we battled the elements of Mother Nature's erosion forces on our trackway. **T. Caneer, Sam Bartlett, and Tim Connors** each expressed their passionate concerns about preservation of the tracks last year. They established the **Preservation Committee** and proceeded to identify many of the erosion problems on the ridge. They followed up with new materials and methods of preserving the trackways and slowing the erosion process down for the time being. The long-term goals of this team are quite large in terms of constructing a cover to protect the trackway. I am confident that this team will achieve their goal in the not so distant future. A special thank you goes out to these three for their passionate commitment to preservation of our most important feature, the trackway.

Overall 2006 was a wonderful year on the ridge. Our **Gift Shop** surpassed expectations for sales. The tours and visitors to the ridge increased as well. **Our Education and Outreach Committee** achieved new standards with **Beth Simmons** at the helm. She has organized and brought our fireside chat series and educational hikes program to new levels. Thanks to **Tom Moglestad** and **Erin Fair** our tours and educational programs have grown beyond expectation in 2006. **Clare Marshall** has also helped put Dinosaur Ridge on the map in 2006. Our highly successful **Boy Scout Day** and **Girl Scout Day** events on the ridge were so well managed and organized by so many volunteers that I can't thank you all enough. These events put us on a statewide scope not seen before. **Rock Out for the Ridge** was again a success as well.

In 2006 we achieved many high goals and were able to fund them all with style. It will be exciting to see how we can top this in 2007. Maybe we will be able to see a cover on the track-site from our **Educational Center!** So when I think back to 1999, when I first set foot into a very small cluttered room next to the fireplace for a Board Meeting, and I compare it to the beautiful new **Chevron Education room** upstairs in our new barn (thanks for installing the wonderful floor **Boy Scout volunteers**), I can say that I am very glad to have been a part of the growth and transition that is today's Friends of Dinosaur Ridge.

Gift Shop News By Roger Bennett

This past year has been a very unusual one for the Gift Shop. We were sailing along at a great pace beating the previous year's sales each month until December when the snows started, thereby closing the Shop for ten days over the Christmas holidays due to the deep blocking drifts. In spite of the big drop in sales that month, we still exceeded our year's goals.

We are accumulating a rock garden of sorts in front of the Visitor Center. The larger rock specimens are for everyone to enjoy and the smaller ones can be collected by kids. We receive lots of rocks and fossils from many sources and this is a good way to pass them on to interested visitors.

We just finished installing a badly needed new wood floor in part of the Gift Shop, and improved signage around the areas has helped people finding us.

We look forward to this year with great anticipation. Come by and look at our selection of books, mineral and fossil specimens for people of all ages.

Volunteer Opportunity

Doris Meakins needs help casting dinosaur teeth, claws and tracks for the Gift Shop. Please contact Roger at 303-697-3466 Ext 10 if you are interested.

Executive Director's Report by Joe Tempel

By Joe Tempel

Dinosaur Ridge was selected as one of "*Our Top 10 Things to Do Before You Die*" by the **Denver Post**. We had good company with **Red Rocks, Mesa Verde and Great Sand Dunes National Park**. Dinosaur Ridge also received a certificate from the **Colorado Natural Areas Program** that designated the Hogback from I 70 to Deer Creek Canyon a State Natural Area. I would like to report on all of the following capital improvements that were completed in 2006 to make Dinosaur Ridge and Triceratops Trail better places to visit.

Site Improvements at the Visitor Center

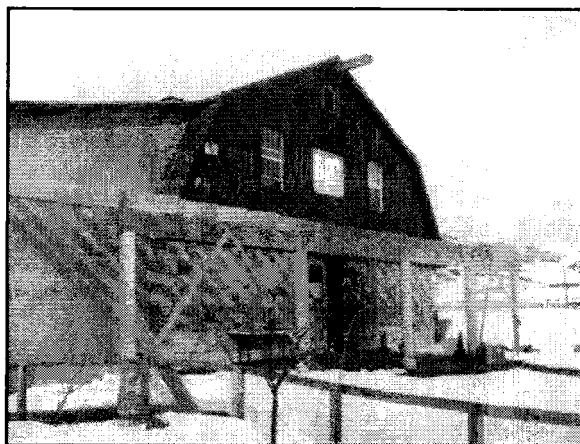
Andrews and Anderson, under the direction of **Nan Anderson**, was responsible for the design of the renovation of the barn. The barn was renovated for offices upstairs and exhibits downstairs. We have moved into our offices and the downstairs is finished and ready for exhibits to be installed in 2007. The driveway on the west side of the property and parking lot north of the gift shop were paved. The "solar" porch was constructed and ready for photovoltaic panels to be installed in 2007. The installation of the stonework on the outside of the addition was slowed by cold weather and will be completed in 2007. Three hands-on exhibits were constructed and tested at the February 2007 **Home and Garden Show** and will be installed downstairs.

Martin Lockley with the help of boy scouts created a "**Dinosaur Track Pit**" west of the deck. **Clare Marshall** is coordinating the development of all of the exhibits and murals that will be installed in 2007. While **L.P.'s Construction** was primarily responsible for the renovation of the barn, **Dan Green** and **Don Walker** were responsible for wiring the barn for telephone, computers and electricity.

Scouts were responsible for doing the following projects at the Visitor Center: constructing split rail fencing, grading recycled asphalt for the base course for the driveway and parking lot, extending our landscaped area north of the gift shop, installing insulation, installing oak flooring, and painting the inside of the barn.

Funding (\$270,000) for the site improvements has been received from the following organizations and individuals:

• Great Outdoors Colorado:	\$131,000
• Jefferson County Conservation Trust Fund:	\$30,000
• Scientific and Cultural Facilities District:	\$29,000
• Coors Foundation:	\$20,000
• Gates Foundation:	\$20,000
• Boettcher Foundation:	\$15,000
• Chevron Oil Company:	\$10,000
• Motocross Park:	\$5,000
• Colorado Garden Show:	\$5,000
• Ray Rally Memorial Fund:	\$3,000
• Paul Koroshetz Memorial Fund:	\$800
• Denver Area Gem and Mineral Council:	\$500
• <u>Friends of Dinosaur Ridge:</u>	<u>\$700</u>
• TOTAL:	\$269,300



Barn Renovation March 1, 2007

Production of the Triceratops Trail DVD

Utilizing funds provided by **SCFD** and **Karin Bond**, one thousand DVDs were printed of a 10-minute video of Triceratops Trail. This DVD was printed on the back side of our Dinosaur Ridge DVD so you get two for the price of one!

Fundraising for Track Preservation

The Friends have been very successful in raising the following funds to preserve the track site at Dinosaur Ridge. We will be using the funds to stabilize the sandstone slabs with metal pins (\$7,000) and to prepare a preliminary design for a cover over the track site (\$6,000). We will be looking for funds (\$30,000) to prepare the final design of the track cover in 2007.

Rock Out for the Ridge:	\$5,200
Adopt A Track Program:	\$3,300
Rocky Mountain Geologists:	\$2,000
Walt Junhke:	\$1,000
Dudley Bolyard:	\$1,000
Lockley-Peterson Publications:	\$1,000
<u>SCFD:</u>	<u>\$750</u>
TOTAL:	\$14,250

Fundraising for the Mural in Morrison

\$35,000 has been raised to paint a mural (15' high and 60' long) in Morrison depicting Morrison through time. The first panel shows an Allosaurus and Stegosaurus. The mural will be painted the summer of 2007. Funds were received/committed from the following organizations and individuals:

• Federal Highway Administration:	\$24,000
• Cy and Jeanne Esphahanian:	\$4,000
• Denver Theaters and Arenas:	\$2,000
• Karin Bond:	\$1,000
• Dinosaur Ridge:	\$2,000
• <u>Lariat Loop Heritage Alliance:</u>	<u>\$2,000</u>
TOTAL:	\$35,000

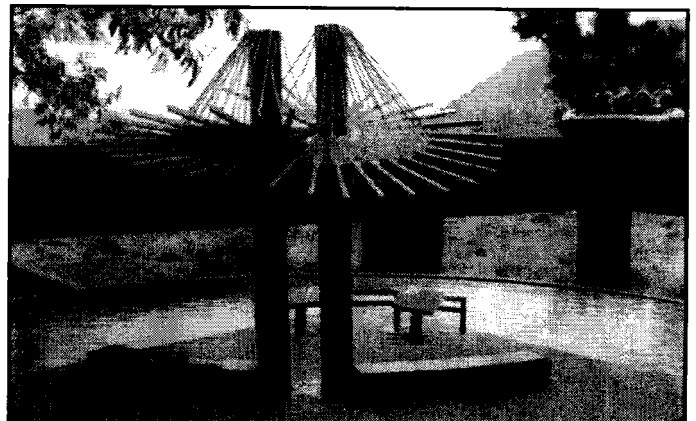


Mural at Morrison, Colorado

Fundraising for the Palm Frond Structure at Triceratops Trail

\$47,600 was raised to construct a shade structure along Triceratops Trail. It will look like two overlapping palm fronds and seating and interpretive signs will be installed underneath. Construction will begin the spring of 2007. Funds were received/committed from the following organizations and individuals:

• Jefferson County Conservation Funds:	\$20,000
• Golden Civic Foundation:	\$15,000
• Scientific and Cultural Facilities District:	\$7,600
• <u>City of Golden:</u>	<u>\$5,000</u>
TOTAL:	\$47,600



Shade Structure at Triceratops Trail

Planning for Additional Improvements at the Visitor Center

Andrews and Anderson was hired to prepare a master plan for additional improvements at either our existing site or a new site closer to the Ridge. This is being done in response to a developer who has an option to buy and develop Rooney Ranch. We are looking at the opportunity of bringing the CU Tracks Museum and the Morrison Natural History Museum into one new facility at Dinosaur Ridge. Development of the Rooney Valley is imminent because the interchange at Alameda/C470 will be under construction before the end of 2007 and be completed by the end of 2008. Already, 1,400 homes are under construction east of C470 and south of Alameda Parkway. If everything goes perfectly (which it never does) we would not start the new improvements until 2009.

We are planning a grand opening in October 2007!

**DINOSAUR RIDGE TOUR AND VOLUNTEER SYSTEMS AS MODELS FOR
FIELD GEOLOGY CLASSES IN JAPAN.**

Dr. Masaki Matsukawa, a Professor of Geology from Tokyo, and his wife Mariko Matsukawa, a middle school teacher, are frequent visitors to Colorado. In collaboration with CU Denver Dinosaur Tracks Museum researchers, Dr. Matsukawa has published many papers on dinosaur tracks. He has spent two sabbaticals in Denver with his family, observing Colorado's schools and universities. On their recent sabbatical Mariko Matsukawa collected data on school tour visitation to Dinosaur Ridge and the activity of volunteer tour guides as the basis of her master's thesis. The thesis results were subsequently published in Japanese (Matsukawa and Matsukawa 2005). The full title citation and abstract (in English) are given below, with minor edits:

Matsukawa M. and Matsukawa M. 2005. A proposed support system for field geology in school education and its practical study, based on a comparison between Colorado and Japan. Bull. Tokyo Gakugei Univ, Nat. Sci. 57: 199-232.

Abstract: Field geology classes in Japanese school education have conventionally been structured with teachers leading and teaching students in the field. However, this structure has not been maintained recently due to revisions in the courses of study, reductions in the number of school days, and other reasons. To counteract this problem, we researched and analyzed a support system for field geology in school education at Dinosaur Ridge, Colorado, United States of America. Using the results of this research and analysis, we then developed a support system for field geology class in Japanese school education. We practiced implementing this field geology class for Japanese elementary school using Plio-Pleistocene deposits exposed in a bank of the Tamagawa River, Tokyo.

The enthusiasm of teachers who are poor in geology can be appreciably enhanced by utilizing volunteers who are both geological experts and custodians. The high efficiency of the proposed support system is reflected in the results of questionnaires completed by the teachers, volunteers and students.

In the future, we hope that the proposed support system will be implemented and enhanced by museums and other facilities in Japan with teaching and educational mandates. Then Japanese teachers will be able to enjoy the teaching of field geology classes using the support system.

Program Director's Report By Tom Moglestad

Visitation and Attendance

	<u>2005</u>	<u>2006</u>	<u>Change</u>
Visitors to Visitor Center	47,865	48,135	+1%
Tours (Attendance)	6,070	7,257	+20%
Other Educational Programs	268	822	+207%
DDD (Dinosaur Discovery Day)	2,710	4,460	+65%
Saturday Shuttle Bus (New Program)	-----	400±	-----

Dinosaur Discovery Days

With total attendance for six Dinosaur Discovery Days in 2006 at an all time record, registration has already begun for the first DDD of the season, May 5, Boy Scout Day. Congratulations to **Isaiah Curtis**, who is a Cub Scout from Firestone, Colorado, representing the **Long's Peak Council of Boy Scouts**. He submitted the winning design for the Official Boy Scout Patch that will commemorate the May 5 event:



Boy and Girl Scout Patch Designs



Isaiah won a membership for his family to the Friends of Dinosaur Ridge, casts of two Iguanodon footprints and a Dinosaur Ridge t-shirt (a \$105 value).

Gray Line Bus Tour Program

Gray Line, the world's largest sightseeing company, has announced an all day tour of Dinosaur Ridge, Red Rocks, and Coors Brewery as part of their new Blue Diamond Collection. Beginning March 10 and continuing through the spring on Tuesdays and Saturdays these tours may be conducted several days a week during the summer. Plans are for the tour to arrive at the Visitor Center at 9:00AM and then depart for the Ridge at 9:30AM to be guided by **Brian Davidson**. After the Ridge the tour moves on to Red Rocks for a tour of the amphitheatre followed by lunch at the Ship Rock Grill. Then the tour heads for the Coors Brewery for a tour and "refreshments." The cost for participants is \$80. FODR will receive \$2 per participant.

Knott's Kids – Interactive Children's Literacy Program

FODR was one of five Jeffco museums invited to the **Knott's Kids Kickoff** at the new Jefferson County Arvada Public Library on October 6. The library incorporated materials loaned by FODR into a large dinosaur book exhibit. **Knott's Kids** will begin this spring as a series of month long exhibits that will travel by bus to disadvantaged children. FODR will assist with the **Dinosaur Bus Exhibit** by loaning materials and/or training the bus driver/docent.

New Membership Benefit

The Friends of Dinosaur Ridge has joined the American Hiking Society's (AHS) **Alliance of Hiking Organizations**, a nationwide community of trail enthusiasts that works to protect and promote America's footpaths. In 2007 FODR will sponsor **13 hiking events** including the June 2 DDD, which will celebrate **National Trails Day** (see "Calendar of Events for 2007" in this issue). Members of FODR are eligible to join the **American Hiking Society** at a reduced rate. For more information visit www.americanhiking.org

Outreach

During 2006 volunteers, board members and/or staffers represented Dinosaur Ridge at 42 community events. Thanks to all of you who gave of your time to help market Dinosaur Ridge, and FODR's facilities and programs.

Colorado Garden and Home Show

FODR began the new year as guests at the *Colorado Garden and Home Show* where life-sized robotic dinosaurs lured children with their parents (see **Clare Marshall's** report elsewhere in this issue). Approximately 70,000 people attended the show. A special "thank you" goes to volunteer **Terry Heister** who used his considerable woodworking skills to build the framing for "Iguanodon: Shaped by Discovery." Thanks to 39 volunteers who together with staff contributed nearly 240 hours to the Show. And many thanks to the management of the *Colorado Garden and Home Show*.

Adopt a Track (AAT) Program Update

As previously reported, the **Preservation Committee** began a program of numbering the dinosaur and crocodile tracks at the **Main Track Site** and then adopting them out to the public. For \$75, donors receive a cast of an Iguanodon track with a small custom plaque, a certificate, and a map showing where their adopted track is situated within the track site. At their January monthly meeting members of the **Western Interior Paleontological Society (WIPS)** adopted 13 tracks. Thanks WIPS! **Tim Connors** has made three excellent slide presentations, **Sam Bartlett** and **Beth Simmons** have made several sales, **Doris Meakins** has manufactured several casts and **Kathleen McCoy** has designed and printed attractive packets that include the certificates and maps. To date 44 tracks out of approximately 300 have been adopted. Proceeds are going directly toward the preservation of the Main Track Site.

New Volunteers

Welcome to **George Griffin**. George made the forms for the tracks to be poured on the new barn floor and later volunteered at the FODR booth at the **Garden and Home Show**. Welcome to **Don and Barbara Kretsch** who volunteered at the Garden and Home Show booth. **Don** will help guide groups on the Ridge when the weather improves this spring and **Barbara** wants to assist with retail sales, particularly at busy events like DDD.

Membership Program

The Friends of Dinosaur Ridge welcome the following new members:

Dennis Cocoran, Arvada, Sponsor Level

Donna & Paul Tanzer, Wauwatosa, WI, Family Level

Wild Bird Store, Wadsworth and Yale, Sponsor Level

Volunteer's of 2006/2007

Frank Adler
Sam Bartlett
Roger & Janie Bennett
Karin Bond
Evan Booth
Chris Carroll
Nancy Cocroft
Tim Connors
Norb & Royann Cygan
Curtis Elder
George Griffin
Jan & Jake Jacobs
Don & Barbara Kretsch
Larry Lange
Martin Lockley
Pete Martin
Kathleen McCoy
Tom & Lorie Moglestad

Bob & Eileen Munger
Leroy Shaser
Kermit Shields
Beth Simmons
Joe & Holly Tempel
Don & Doris Walker
Pete Modreski
Mel Glerup
Marjorie MacLachlan
T Caneer
Harald Drewes
Betty Rall
Jeff Stephenson
Gary Robinson
DuWayne Ebertowski
Jen Franklin
Dan Green
John Kelly

Duff Kerr
Doris & Keith Meakins
Ed Post
Jack Reed
Ed Warren
Terry Heister
Judy Peterson
Tim Connors

Friends of Dinosaur Ridge

Corporate Sponsors:

Newmont Mining Company
Andrews and Anderson Architects - Nan Anderson
Greater Denver Gem & Mineral Council - Carol Smith
Rocky Mountain Association of Geologists - Bruce Kelson
Bandimere Speedway - Tami Shrader
Kerr-McGee Rocky Mtn Corp - Bret Siepman
The Fort Restaurant
Rocky Mountain Homebuilders Association - Barbara Frederick

Family Memberships

Larry & Donna Anderson
Don G. & Lois Bebout
Scott & Elise Bennett
Alan Beshany
Dudley & Marion Bolyard
Louis & Shirley Bortz
Elmo & Kathy Brown
Bruce & Sandy Bryant
Steve, Teresa, & Isaiah Curtis
Norb & Royann Cygan
Jack & Barbara Davidson
Susan & David Delcour
John Dolson & Family
Terry & Karen Donze
Doran Family
Theodore Dulchinos
George & Freida Eisenbarth
Sarah & James Engel
Kenneth & Marie Engelbrecht
Susan Bassow & Eric Fajer
Mary & Jim Floerk
Irene Ludwig & Gerald Forney
Betsy & Jeff Forrest
Judy Fries
John Garber
Al & Joyce Geyer
Melvin & Bobbie Glerup
Earl Griffith
Elnore Grow
Jon & Mary Haacke
Samuel & Tanja Hard
Judith Judd
John Kelly
Laura Kelly
Duff Kerr
Holly Kinney
Doug & Pat Kline
Anne Kramer
Donald & Barbara Kretsch
Duane Larson
Jon & Beverly Lawrence
Martin Lockley
Jim & Marjorie MacLachlan
Christopher Martin
Neffra Matthews
Errol McAlexander
Kathleen McCoy
Phillip McKenna
Ward McMurtrey
Doris & Keath Meakins
Curtis Menefee
Karen Munoz
Carmen Neu
Mark & Tina Nevin
Doug Nichols
Steven Nofsinger & Jane Letsinger
Henry Ott

Lisa Turocy and Ty Pepin
Kurt Peterson
Edwin & Elizabeth Post
Betty Rall
Robert & Mary Raynolds
Linda Raynolds
Gary Rooney
Eileen Rooney
Bill & Cheryl Rooney
Joan & Owen Schooler
Jack Schuh
Diane & Charles Spickert
Donna & Paul Tanzer
Barb & Bill Tilzey
Kim & Lloyd Vickery
Don & Doris Walker
Ed & Pat Warren
Bob & Ruth Weimer

Sponsor Memberships:

Kim Ikeler
Thomas Eidsmoe
Sam & Eileen Bartlett
Angela Matthias
Dave & Mary Raynolds
Leroy Shaser
Camille & Joel Adler
Jacke & Kent Lazo
Jan & Willis Jacobs
Louis Taylor
Frank Byers Jr.
Karin Bond
Roy & Kathee Bartee
Barry Gager
The Wintergreen Nature Foundation
Bob Koehler
Susan Landon & Dick Dietz
Pete Martin
F.A. & Natalie Peterson
Gates Rock and Mineral Club
Herbert Gregor
Gerry Naugle
John Haun
Walt & Betty Juhnke
Michael & Susan Harkness
Rudi Hartmann
Jim Pride
Dennis Corcoran
Charollette Root
Michael Wilson
Tim Connors
Mary Jo and Jim Collins
Vince Matthews
Andy Taylor
Sandra Rushworth

Preservation Committee

By Sam Bartlett

For the Preservation Committee, it seems that 2006 was like a snowball rolling down hill. The year started out quietly enough with some catch up items from previous years, we then lost several *Iguanodon* tracks in the spring and the pace of preservation issues started to speed up exponentially.

At the July FODR Board meeting, it was resolved to start up a **Tracksite Preservation Team** to address the issues at the track site and to accelerate an overall preservation plan for this area. Team members include **Joe Tempel, Chris Carroll, T. Caneer, Martin Lockely, Ed Warren, Tim Connors, DuWayne Ebertowski, Tom Moklestad** and **Jan Jacobs**. One of the main obstacles for the **Tracksite Preservation Team** is that there is a very limited set of examples of successful track site preservation efforts, thus we are on the frontier of preserving dinosaur tracks in situ.

Since the track site is part of the Dinosaur Ridge, National Natural Landmark, the National Park Service (NPS) was asked to review the track site for deterioration and give us some possible recommendations for stabilization. An NPS team, led by **Heather Germaine**, visited the site and presented their findings to the FODR Board of Directors. One of these recommendations was a track site cover, which we are pursuing.

The first item for the **Tracksite Preservation Team** was to address was an interim stabilization of the tracksite in the areas where the tracks had been lost. **Joe Tempel** started work on a plan to fill in all of the voids adjacent to endangered tracks with textured and colored shot-crete. When this plan was presented to **Susan Collins**, Colorado State Archaeologist, **Susan** disapproved the plan because the variations in strengths between the new concrete and the old rock might further crack the surrounding rock and accelerate deterioration of the track surface.

At this point, we went back to the drawing board to devise an acceptable interim stabilization plan for the track site. After numerous consultations with experts in the general field, we came up with a plan to install pins down-hill of the affected areas; install a fabric over the rock contact to allow future drainage; install a continuous metal band between the pins and the rock; and fill the remaining space with a flexible, mastic type material. This option was approved by the State Archeologist and a contract was awarded to **Yenter Companies, Inc.** to complete the work. After several iterations of the types of materials to be used, the work was scheduled to start three days after the first blizzard in December. Needless to say, the work did not get started and we are now waiting for the snow to melt before this work can be accomplished.

Along with the track site stabilization issue, it was realized that the joint/crack filling weeds and bushes were aggravating the stabilization problems and needed immediate removal. **Tim Connors** and **Sam Bartlett** spent a pleasant August day removing the offending vegetation. This vegetation removal process will probably become a yearly endeavor until we get the track site fully enclosed.

The **Tracksite Preservation Team** formulated a working outline of short- and long-term preservation requirements and work on these items was started. After a very short while, it was realized that the only viable long-term solution was to completely enclose the tracksite under a sealed, climate controlled structure. In the fall, an award for the preliminary design of this structure was awarded to the architectural firm of **Dan O'Brien and Associates** and **Dan O'Brien** then went to work by holding two on-site scoping meetings of interested FODR and Jefferson County personnel. From the results of these meetings, **Dan** is currently working on some preliminary design ideas for further discussion.

In the meantime, **T. Caneer** has compiled a preliminary historical timeline of previous actions at the tracksite. In addition, **Martin Lockely** has updated his tracksite map to show areas of track losses. This updated map is included in the Annual Report. The **Tracksite Preservation Team** continues to research track preservation methods and track site preservation examples.

Knowing that preservation of the tracksite on Dinosaur Ridge is going to be a long, expensive process. **Kathleen McCoy** and **Tom Moklestad** devised an **Adopt-A-Track** promotion to assist in financing our efforts. A very nice Adopt-A-Track package was designed and first presented at the Rock Out for the Ridge in November, where we were able to solicit 15 track adoptions. As of the 4th of January, we have completed 43 track adoptions out of approximately 317 available tracks. Many of these initial track adoptions were intended as Christmas presents. **Joe, Tom** and **Erin** made an extraordinary effort to get the adoption packages and track replicas ready for delivery by Christmas, only to get buried by the second blizzard of December, just 4 days before Christmas. In spite of the adverse weather, most of the Adopt-A-Track packages were delivered on time. To further support our preservation efforts and to promote the Adopt-A-Track program, **Tim Connors** has created a power-point presentation to highlight the problems and issues at the track site. **Tim** presented this power-point program at the Rock Out for the Ridge and it was well received. Since that time, **Tim** has presented it to WIPS with an equally enthusiastic reception, resulting in 15 track adoptions.

Early in the formation of the **Tracksite Preservation Team** it was realized that we were going to need expertise in the various related disciplines needed to complete a successful preservation program. The Colorado School of Mines (CSM) was the obvious partner and **Ed Warren**, a past CSM alumni president, agreed to contact CSM President **Bill Scoggins** to see what support CSM could give us. We spent a pleasant fall day on the Ridge with **Bill** and he was very supportive of our program and as a start agreed to appoint a liaison from CSM to identify faculty members that could support us with their expertise. (Note: **Bill** had appointed the head of the Geology Department to be the liaisons person with us, but this person resigned from the school so we will have to wait until a new department head is chosen.)

On other preservation efforts, a contract was awarded to **Yenter Companies, Inc.** for construction of a continuation of the masonry wedge above the bone site. This additional masonry wall is needed to prevent further rock falls from the sandstone bed immediately above the bone quarry. This work was completed in early December. However the shale and sandstone beds above this area and at the lower edge of the wire-mesh, slope protection continue to ravel and will need further treatment.

During the summer, three GIS students **Jim Cook, Chuck Hill** and **Jeff Pinkard** from **Stella Todd's GIS Seminar at Metro State** completed a survey of both Dinosaur Ridge and Triceratops Trail. We now have enough information, including GPS data to complete a preservation audit of Dinosaur Ridge in preparation for an overall preservation plan.

During the last open house at Triceratops Trail, the deteriorating condition of the small mammal track was discussed. This small track was in a very thin bed of sandstone, separating rapidly from the main wall and was in imminent danger of falling. It was decided that **Martin Lockley** would be notified and asked to remove this fragile track from the wall and replace it with a replica.