Society of Independent Professional Earth Scientists

SIPES 56th Annual Meeting & 2019 Convention

Program Book

The Sphere of Independence: Sharing Successful Strategies

Estes Park • Colorado

June 3–6, 2019

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Convention at a Glance

**Monday - June 3**
- 8:00-9:45 a.m. SIPES Foundation BOD Meeting & Continental Breakfast
- 8:30 a.m.-5:00 p.m. Registration
- 10:00 a.m.-2:00 p.m. SIPES BOD Meeting
- 10:00 a.m.-12:00 p.m. Chapter Chairmen's Meeting
- 12:00-1:00 p.m. Lunch for Board of Directors, Chapter Chairmen, & Past Presidents
- 3:00-5:00 p.m. SIPES Foundation Seminar
- 6:00-7:30 p.m. Icebreaker

**Tuesday - June 4**
- 8:15-11:45 a.m. Technical Sessions
- 8:30 a.m.-4:30 p.m. Registration
- 12:00-1:15 p.m. All-Convention Luncheon & Annual Business Meeting
- 1:30-4:30 p.m. Off-Road Wilderness Jeep Tour
- 1:45-3:15 p.m. Historic Stanley Hotel Tour
- 6:30-9:30 p.m. SIPES Awards Banquet

**Wednesday - June 5**
- 8:15 a.m.-12:00 p.m. Technical Sessions
- 8:30 a.m.-12:00 p.m. Registration
- 8:30-11:30 a.m. Guided Hike Tour
- 11:00 a.m.-12:00 p.m. Ethics Course
- 1:30-4:30 p.m. Guided Hike Tour
- 2:00-3:30 p.m. Aerial Tramway Tour
- 6:00-9:00 p.m. Cornerstone Group Reception (by invitation only)

**Thursday - June 6**
- 9:00 a.m.-4:30 p.m. Post-Convention Field Trip to Rocky Mountain National Park

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Welcome to Estes Park

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The SIPES Denver Chapter and the SIPES National Board of Directors would like to welcome you to the SIPES 2019 Convention in Estes Park, Colorado. Estes Park is the gateway to Rocky Mountain National Park and has some of the most spectacular mountain scenery in the country. We hope that everyone enjoys this beautiful setting.

We have an excellent slate of speakers with talks focused on subjects relevant to the independent. This year it was decided to limit the talks to two half-day sessions to give people time to network and take advantage of the many activities available in the area. A complimentary local shuttle pass is included with your registration materials. If you would like to sign up for any of the tours, see the registration desk to check availability.

We hope everyone has a great time!

George M. Carlstrom, Co-Chairman
Denver Chapter

Gary C. Huber, Co-Chairman
Denver Chapter

Estes Park Restaurants

(Restaurants ranked by www.mycoloradoparks.com/where-to-stay-camp-eat/estes-park-restaurants)

Ed's Cantina & Grill — Tex-Mex (casual)
390 E. Elkhorn Avenue  (970) 586-2919

Mama Rose's Restaurant — Classic Italian
338 E. Elkhorn Avenue  (970) 586-3330

Grubsteak Restaurant — Burgers, steaks, wild game (casual)
134 W. Elkhorn Avenue  (970) 586-8838

Wapiti Pub and Grill — Microbrewery with patio seating (casual)
247 W. Elkhorn Avenue  (970) 586-5056

The Other Side Restaurant — Traditional American with scenic views of the Big Thompson River
900 Moraine Avenue  (970) 586-2171

Waterfront Grille at the Estes Park Resort — Fine dining with scenic views of the mountains and Lake Estes
1700 Big Thompson Avenue  (970) 577-6400

Park Theatre Cafe — Sandwiches - quaint cafe on the riverwalk
132 Moraine Avenue  (970) 586-8904

Chicago's Best — Pizza, Greek salad & calzones (casual)
112 W. Elkhorn Avenue  (970) 586-4796

Claire's on the Park Restaurant — Fresh seasonal plates at reasonable prices
225 Park Lane  (970) 586-9564

Penelope's Old Time Burgers — Burgers including elk and buffalo, located in the heart of downtown Estes Park (casual)
229 W. Elkhorn Avenue  (970) 586-2277
Please note that all meetings and events will be held in the main hotel — shown here as Building 1.
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At least $1,100 to be given away in cash prizes!

Tickets are $10 each

See the Registration Desk to get your tickets before the Awards Banquet on Tuesday night.

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**Convention Schedule**

**Monday, June 3**

- **8:00-9:45 a.m.** SIPES Foundation BOD Meeting & Continental Breakfast
  - Music Room
- **8:30 a.m.-5:00 p.m.** Registration
  - Piñon Room
- **10:00 a.m.-2:00 p.m.** SIPES BOD Meeting
  - Music Room
- **10:00 a.m.-12:00 p.m.** Chapter Chairmen’s Meeting
  - Dunraven Room
- **10:00 a.m.-12:00 p.m.** SIPES Presidents’ Council Meeting
  - Billiard Room
- **12:00-1:00 p.m.** Lunch for Board of Directors, Chapter Chairmen, and Past Presidents
  - MacGregor Room
- **3:00-5:00 p.m.** SIPES Foundation Seminar
  - Billiard Room
- **6:00-7:30 p.m.** Icebreaker *(Registered Attendees Only)*
  - Longs Peak Lawn

**Tuesday, June 4**

- **8:15-11:45 a.m.** Technical Sessions
  - Billiard Room
- **8:30 a.m.-4:30 p.m.** Registration
  - Piñon Room
- **12:00-1:15 p.m.** All-Convention Luncheon & Business Meeting
  - MacGregor Room
- **1:30-4:30 p.m.** Off-Road Wilderness Jeep Tour
- **1:45-3:15 p.m.** Historic Stanley Hotel Tour
- **6:30-9:30 p.m.** SIPES Awards Banquet
  - MacGregor Room
Wednesday, June 5

8:15 a.m.-12:00 p.m. ..................................................... Technical Sessions ..................................................... Billiard Room
8:30 a.m.-12:00 p.m. ..................................................... Registration ............................................................ Piñon Room
8:30-11:30 a.m. ............................................................... Guided Hike Tour
11:00 a.m.-12:00 p.m. .................................................. Ethics Course by David Abbott .................................. Billiard Room
1:30-4:30 p.m. ............................................................... Guided Hike Tour
2:00-3:30 p.m. ............................................................... Aerial Tramway Tour
6:00-9:00 p.m. ............................................................... Cornerstone Group Reception
(by invitation only)

Thursday, June 6

9:00 a.m.-4:30 p.m. ........................................................ Post-Convention Field Trip to Rocky Mountain National Park
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SIPES Foundation Seminar

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Monday, June 3 — 3:00-5:00 p.m.

Members: $90 • Non-Members: $100 • Spouses/Guests: $60

Rocky Mountain National Park: Then and Now

by Michele Bratschun, Park Ranger, Rocky Mountain National Park — Estes Park, Colorado

Join Ranger Michele Bratschun in exploring how Rocky Mountain National Park came to be and what makes it so special. We will discuss current challenges the park faces and how those are being addressed. With over 100 years of existence, we’ll have plenty to talk about! Plus, be inspired by some spectacular images from this amazing place.

Michele Bratschun earned both her undergraduate degree in science communication, and her graduate degree in conservation leadership from Colorado State University. She has devoted her career to supporting the conservation of wild spaces through educating others about them and by working behind the scenes on budget, hiring and management evaluation. She has worked in formal and informal education for Walking Mountains in Vail, Aspen Center for Environmental Studies, and has taught for Denver Public Schools. She has had the privilege and pleasure of working at Rocky Mountain National Park for the past six years, focusing primarily on administration, but also translating for our visiting Sister Park of Monte Verde, Costa Rica, and assisting with a youth internship program. She spent this last summer in our largest national park, Wrangell Saint-Elias in Alaska, acting as the visitor center manager.

People and Places of Historic Estes Park

by Bruce Davies, Tour Estes Park — Estes Park, Colorado

Bruce Davies is a Colorado native, avid outdoorsman, and the owner/operator of Tour Estes Park LLC, specializing in historic and nature tours of Rocky Mountain National Park and the Estes Park area. Bruce studied business administration, economics, performing arts, and religion at Grand Canyon College in Phoenix, Arizona, then spent thirty years as a commissioned salesperson. Moving to Estes Park in 2009, he took a position at the historic Stanley Hotel as a concierge where part of his duties required studying the incredible story of F. O. Stanley. As he became enthralled with the history of the area, Bruce became a board member and docent for the Estes Park Museum doing walking tours of historic buildings in the downtown area. Five years ago, Bruce decided to start his own tour company and has since conducted almost 500 tours.
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-Dr. A. I. Levorsen
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Entrance to all SIPES Convention events and tours will be by convention name badge.

SIPES Member, Associated Member and Non-Member Registration includes the following items:
- Icebreaker
- Technical Sessions on Tuesday & Wednesday
- All-Convention Luncheon on Tuesday
- SIPES Ethics Course on Wednesday
- Ability to register for all optional tours and events
- Use of the complimentary shuttle

Spouse/Guest Registration includes the following:
- Icebreaker
- Ability to register for all optional tours and events
- Use of the complimentary shuttle

Extra fees are required for the SIPES Foundation Seminar, all optional tours and events, the Awards Banquet, and the Post-Convention Field Trip. Please check with the registration desk to register for any additional tours or events.

Non-registered spouses and guests may not attend the Monday icebreaker or register for optional tours and events. If space is available, non-registered spouses and guests may register for the Thursday Post-Convention Field Trip at the higher rate. See the registration desk for more information.

Icebreaker
Monday, June 3 — 6:00-7:30 p.m.
Meet with friends and colleagues while enjoying outstanding hors d’oeuvres and drinks at the 2019 Convention Icebreaker. Each registrant will receive two complimentary drink tickets. A cash bar will also be available. Convention registration is required to attend.

All-Convention Luncheon & Annual Business Meeting
Tuesday, June 4 — 12:00-1:15 p.m.
How SIPES came to be, and where we are today
by Marc D. Maddox, #2777
Maddox Oil Properties, Inc.
Midland, Texas

History of SIPES
SIPES was formed by a group of Houston independents in 1963 as a venue to network with non-affiliated earth scientists with common cause and who face common challenges in business. This talk will trace the origins, intent of the founders, purpose and history of the organization and how it has evolved through the ensuing fifty-six years.

The SIPES All-Convention Luncheon is included in the registration fee for members, associated members and non-members. Registered spouses or guests who want to attend can purchase an individual ticket for the event if space is available.
This talk discusses that honesty is a basic principle of geoscience ethics. We all use models, but all models are incomplete and flawed. Nevertheless, some models are useful in assisting understanding of a particular system. Honesty requires disclosure of the limitations and deficiencies of a particular model. Modern computer modeling permits examination of complicated models, but these models are still not “the truth.” Professional judgement is still required in determining the utility of a model and to guard against self-deception.

David Abbott earned geology degrees from Dartmouth College and the Colorado School of Mines; he began his career as a geologist for the U.S. Securities and Exchange Commission in Denver. At the SEC he assisted both mining and oil and gas companies in complying with disclosure requirements of the securities laws, and investigated and helped prosecute mining and oil and gas frauds when warranted. The enforcement work stimulated his interest in professional practices and ethics. He left the SEC after 21 years and became a consulting geologist. His consulting practice focuses on disclosures by natural resources firms, the application of resources and reserves classification systems to particular deposits, litigation support and professional geoscience ethics. As an author, Abbott’s publications focus on the intersection of the natural resources business and the securities laws. His works also include 50 papers on professional ethics, published by U.S. and international geoscience organizations.

There is no fee to attend this talk; it is presented to help meeting attendees meet ethics course requirements. Certificates of completion will be available at the registration desk for attendees who pre-registered for and attended the talk.
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Tuesday, June 4

8:15-8:30 a.m. — "Opening Comments"

8:30-9:00 a.m. — David Shiels, #3171 — Shiels Engineering, Inc., Kaufman, TX
"Cost-Effective Methods of Cleaning up Old Well Sites"

9:00-9:30 a.m. — Robin Vasicek, #2354 — QP, Inc., Midland, TX
"Operating and Living with Stripper Wells"

9:30-10:00 a.m. — Kirk Kolar, #3343 — DKT Energy, LLC & Hydrocarb-en, LLC, Edmond, OK
"1031 Like Kind Exchanges for Oil and Gas Assets"

10:00-10:15 a.m. — Break

10:15-10:45 a.m. — John Wright, #2497 — Wright Consulting Company, Inc., Golden, CO
"Quick Look Economics to Help Sell Your Deal"

10:45-11:15 a.m. — Bill Goff, #2068 — Cholla Production, LLC, Littleton, CO
"Considering the Future of the Geologist Entrepreneur: Will There be a Chair at the Table?"

11:15-11:45 a.m. — David Nicklin, #3328 — David F. Nicklin International Consulting, LP, Gardnerville, NV
"Twenty Years of Professional Independence — Variety is the Spice of Life"

Wednesday, June 5

8:15-8:45 a.m. — Jamie Robertson, #2826 — Salt Creek Petroleum, LLC, Fort Worth, TX
"Climate Change: A Technical Perspective"

8:45-9:15 a.m. — Randy Bissell, #3547 — Headington Energy Partners, LLC— Corpus Christi, Texas
"Architecture of Wolfcamp Carbonate Debris Flows, Midland Basin, Texas"

9:15-9:45 a.m. — Gregg Alletag, #3484 — Barite Rose Energy, Inc., Oklahoma City, OK
"A Career of Professional Flexibility in Geoscience"

9:45-10:00 a.m. — Break

10:00-10:30 a.m. — Robert Slocum — Slocum Geophysics, LLC & Polatomic, Inc., Richardson, TX
"Ultra-High Resolution Aeromagnetic (U-HRAM) Surveys for Drilling Hazard Avoidance & Geophysical Applications"

"A Rational Approach to the Exploration for Helium"

11:00 a.m.-12:00 p.m. — David Abbott — Consulting Geologist, Denver, CO
Ethics Course — "Honesty — Avoiding the Misuse of Models"

Speakers and schedule are subject to change. Please see www.sipes.org for updates.
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Awards Ceremony
There will be an awards ceremony to recognize retiring national directors. The SIPES Outstanding Service Award will be presented to Ralph J. Daigle, #2467, of The Woodlands, Texas, who will be honored for his many years of service to both SIPES and the SIPES Foundation.

F. O. Stanley:
An Enterprising Yankee Goes West
by Kurtis Kelly
Character Infusion — Estes Park, Colorado

Yankee ingenuity had made the twin Stanley brothers famous by 1903: their innovations in photography, their steam-powered automobiles, and even a knack for violin-making were legendary. But that year, tuberculosis sent a dying F. O. Stanley to the West, seeking salvation. Not only would he recover, he and wife, Flora, fell in love with the Rockies, reveling in their new summer home, inspired to be part of its future. Six years later, Stanley opened one of the most famous hotels in the West, while befriending Enos Mills in a shared quest for a new national park, and using Stanley Steam Mountain Wagons to reintroduce the near-extinct elk. This New Englander’s visionary spirit would pave the way for future generations to share in the joy of discovery of the Rocky Mountains.

For two decades, Kurtis Kelly’s first-person portrayals of history legends have thrilled and educated audiences of all ages. Through the magic of live storytelling, his one-man shows awaken the past, drawing upon thoughtfully-crafted and factually-accurate story arcs. His many clients include Rocky Mountain National Park, the National Council of Geography Educators, the Salvation Army USA, as well as museums, libraries, senior centers, and historical societies throughout Colorado.

In addition to historic re-enactment and storytelling, Kurtis has performance credits that include emceeing and voiceover. Most recently, he emceed a gala event celebrating the 100th anniversary of Rocky Mountain National Park, which welcomed dignitaries from throughout Colorado. Kurtis provided the voice of Enos Mills in the acclaimed new film, The Living Dream: 100 Years of Rocky Mountain National Park, currently airing on PBS stations around the U.S.

Kurtis lives in Estes Park, Colorado, and his characters travel to wherever enthusiastic audiences await.

Winning tickets for the SIPES Foundation’s No Hassle Raffle will be drawn. You do not need to be present to win!
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2019 Convention Tours

There will be no tour refunds. A limited number of tour spaces may still be available. Please check with the registration desk. In order to sign up for these tours, you must be a registered meeting attendee.

Tuesday, June 4

Green Jeep Tours
Off-Road Wilderness Tour
1:30-4:30 p.m.
$110 per person

Get off the beaten path for an off-road adventure that tests the limits of our Green Jeeps on the national forest access roads near Allenspark. You will learn some history about the area, and go places not many people can go!

Includes round-trip transportation, guided tour, tax and gratuity.

The Historic Stanley Hotel
SIPES Private Day Tour
1:45-3:15 p.m.
$50 per person
Space is limited to 20

Immerse yourself in the rich story of the historic Stanley Hotel! This 75-minute, private walking tour will introduce you to Mr. F.O. Stanley, his wife Flora, Stephen King, and other noteworthy visitors of the last 110 years. This is a unique way to experience the hotel’s history, architecture, folklore, and pop culture with a knowledgeable storyteller. The tour route varies based on availability and does not go into guest rooms.

Includes guided tour and gratuity.

Wednesday, June 5

Guided Flora & Fauna Hike,
Rocky Mountain National Park
8:30-11:30 a.m. or 1:30-4:30 p.m.
$140 per person

This three-hour hike will be led by Marlene Borneman, author of Rocky Mountain Wildflowers and The Best Front Range Wildflower Hikes. Mrs. Borneman lives in Estes Park and is an accomplished and knowledgeable hiking guide. You will pass by cascading waterfalls, serene mountain lakes, and across breathtaking mountaintop views. Rocky Mountain National Park offers some of the most spectacular scenery in the country! We will walk downhill to the flyshop where transportation to the trailhead will be provided. For your convenience, the same hiking trip will be offered in the morning and afternoon.

Includes tour guide, return transportation, tax and gratuity.

Estes Park Aerial Tramway Tour
2:00-3:30 p.m.
$30 per person

This tramway utilizes a free span design which is fairly uncommon in the U.S., and affords a smooth ride and outstanding views! Mr. Heron was one of the pioneering chair lift builders for the U.S. ski industry, and built the first double chair lift in this country. The Estes Park Aerial Tramway opened to the public in July 1955. The tramway is still owned and operated by the Heron family.

Includes round-trip transportation and tram ticket.
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Photos courtesy of nps.gov

Boulder Creek
The Importance of SIPES National

Benefits are not always recognized or understood, but every organization or situation has them. My participation on the National Board of Directors led me to a review and subsequent rethinking of the importance of a national organization that I failed to understand before. I was thinking locally, but we are much more than that.

As stated in our SIPES Constitution Preamble (My emphasis is underlined):

“The premise for the creation of a Constitution, Bylaws and Code of Ethics of the Society of Independent Professional Earth Scientists is the need for standards of Professional competence and professional and business ethics on the part of the practitioners of the earth sciences. The Society establishes these standards which every member pledges himself/herself to uphold in his/her relationship with the public, with his/her clients, and with other members of the Society.

The Constitution, Bylaws and Code of Ethics, hereinafter set forth, provides for the Structure and operating procedures of the Society and includes the Code of Ethics under which every member is required to practice.”

We increasingly work in an environment of national exposure in our business and personal lives. National input for the vetting process leading to membership in SIPES is not only beneficial but necessary to establish credibility for the stated goals and standards that define our group. While the local chapters represent the body parts that comprise and help define this whole entity, they do not and cannot function independently from, or in place of, this national organization without potentially compromising member credibility within the National group. Yet the National organization can only be effective with the input and cooperation of all the chapters and members. The impetus for us to cooperate is simply that recognition of the standards that define our group are much better served and understood if the organization is nationally based. We still need to work in a national environment.

We are not just warm bodies for head count and budget income, nor are we a collection of independent groups under a common banner. We are, instead, a group of Independent Earth Scientists located in numerous disparate locations across the country, but joined together to espouse a common theme of high professional and ethical standards that sets us above the crowd. The importance of a National Organization then lies in the recognition we have as members of this elite group.

Beyond this now obvious primary benefit, what else does SIPES National provide? (This is not a complete list.)

- Central location for membership data
- Access to technical references specific to independents
- Access to professional expertise beyond our own local resources
- Networking opportunities for contacts to reach new markets, etc.

Citizenship requires learning the rules – Independence requires responsibility for your actions

W. R. (Bill) Finley, #2167 National President 2009-10
Post-Convention Field Trip

Thursday, June 6 — 9:00 a.m.-4:30 p.m.

Fee: $200 per person

Tour of Rocky Mountain National Park via Trail Ridge Road

Join National Park Rangers Paige Lambert of the National Park Service Geologic Resources Division, and Kurt Baze of Rocky Mountain National Park on a geologic sightseeing tour of Rocky Mountain National Park. Along the way, we’ll highlight the park’s geologic history, unique features and formations, and stories from both deep time and recent history. The trip will also feature discussions on wildlife, plants and ecosystems hosted in the park.

Rocky Mountain National Park is the product of a complex geologic history spanning almost two billion years. The area occupied by the park has been repeatedly uplifted and eroded. Although many of its mountaintops have been flattened by ancient erosion, recent glaciation has left steep scars, U-shaped valleys, lakes and moraines. Rocky Mountain National Park is located in one of the highest and most spectacular parts of the Colorado Front Range.

Paige Lambert earned her undergraduate degrees in earth and environmental science and education studies from Vanderbilt University in Nashville, Tennessee. After graduation, she moved to Estes Park, Colorado, to work for the Rocky Mountain National Park as a Geoscientists-in-the-Parks Geology Education Intern. Paige worked at Rocky National Park for three years and currently is located at the National Park Service Geologic Resources Division Headquarters in Lakewood, Colorado, where she coordinates the Geoscientists-in-the-Parks Internship Program.

Kurt Baze earned a B.S. in education from the University of Central Oklahoma and an M.Ed. from Oklahoma State University. Kurt was first hired by the Rocky Mountain National Park as a seasonal education ranger and worked in that position for three years before being hired in a permanent position with the Rocky Mountain National Park’s Education Program.

Tour price includes round-trip bus transportation, guided tour, boxed lunch, bottled water, taxes and gratuities.
Estes Park on your Own

A local shuttle will be available onsite for meeting registrants on Tuesday and Wednesday of the convention from 9:00 a.m. to 5:00 p.m. The shuttle will operate on a limited basis within Estes Park.
A shuttle pass is included with your registration materials. See the registration desk for more information.

- **Guided Flyfishing Trips**

  Half-day and full-day wade trips and full-day float trips available. Public and private waters; available locations depend on snow pack and run-off levels. One guide for every 2-3 people. Discount available for groups of 6 or more who book as a party (but will not fish as a party i.e., will be split into smaller groups for fishing; sub-groups may fish different days). Includes transportation and all gear if needed. Check their website for prices.

  **Kirks Flyshop**
  (970) 577-0790  www.kirksflyshop.com

- **Brewery and Distillery Tours**

  Explore two breweries and one distillery in Estes Park on a three-hour tour with transportation provided (van or trolley depending on number of registrants). Rates: $40 per person; six-person minimum; all participants must be 21 and have valid ID.

  **Estes Park Trolley Tours**
  (970) 481-8531  www.EstesParkTrolleys.com

- **Patterson Glassworks Studio & Gallery**

  Stop by and watch glassblowers at work in the studio and visit the art gallery. Free, self-guided.

  **Patterson Glassworks**
  (970) 586-8619  www.glassworksofestespark.com

- **Guided Bicycle Tours**

  Guided Bicycle Tours in Rocky Mountain National Park and historic Estes Park, Colorado. Bicycles, helmets, guides, snacks and van support are provided for an exhilarating downhill ride through the magnificent alpine scenery of Rocky Mountain National Park. Or take an easy, fun bike ride down a classic Colorado canyon road with a knowledgeable guide. These bicycle tours are educational, fun and conducted with safety in mind. See, hear and smell Rocky by bike in an out-of-car experience!
  Rates: $50-115 depending on tour selected.

  **New Venture Cycling**
  (970) 231-2736  www.newventurecycling.com

- **Estes Park Golf Courses**

  Estes Park has two golf courses. The Estes Park 18-Hole Golf Course offers a par 71 course surrounded by spectacular mountains. The Lake Estes 9-Hole Golf Course is situated along the Big Thompson River. It is not uncommon for golfers to share both courses with deer and elk. **If you are interested in scheduling golf with other SIPES members, please contact Denver SIPES member Mike Austin (303-887-5535) to assist you.**

  Or schedule on your own:


  9-Hole Course: (970) 586-8176  www.colorado.gov/pacific/evrpd/lake-estes-9-hole-golf-course

- **River Rafting**

  Rapid Transit Rafting offers river rafting on the Cache La Poudre and Upper Colorado rivers, and has been in business for over thirty years. They provide transportation from Estes Park to the river and offer half-day and full-day rafting adventures. Rates: $75-120 depending on tour selected.

  **Rapid Transit Rafting**
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