

# NEWSLETTER

Serving the Petroleum and Geothermal Community

Nevada Petroleum Society; P. O. Box 11526; Reno, NV 89510

Visit our NPS Homepage: <http://www.nbmq.unr.edu/nps/>

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## Dinner Meeting: Thursday, Jan 6, 2011

**Speaker:** Dr. Mark Coolbaugh  
Chief Geoscientist, Renaissance Gold Inc.  
Adjunct Assistant Professor, Great Basin  
Center for Geothermal Energy, UNR

**Title:** "Recent Grass-Roots (Green Fields)  
Geothermal Discoveries in the Great Basin"

**Place:** Ramada Reno Hotel, Washoe Room  
1000 East 6<sup>th</sup> Street, Reno, Nevada

**Agenda:** Cocktails begin at 6:30 PM  
Dinner Served at 7:00 PM

**Dinner Costs:**  
NPS Members \$ 20; Non-Members \$23; Students \$10

**Menu**  
Buffet style; including chicken & beef entrees, side  
dishes and salad.

**\*\*RSVP by Monday, Jan 3**

**Diane Phillips (775) 267-4663 or [trailsend@pyramid.net](mailto:trailsend@pyramid.net)**

► **ABSTRACT – NPS Monthly Dinner Meeting – Jan 6, 2011**

**Mark Coolbaugh**

*Chief Geoscientist, Renaissance Gold Inc.*

*Adjunct Assistant Professor, Great Basin Center for Geothermal Energy, UNR*

***Title: Recent Grass-Roots (Green Fields) Geothermal Discoveries in the Great Basin***

**Abstract**

From a geological perspective, the potential for making new geothermal discoveries in the Great Basin remains excellent because many geothermal systems in the Great Basin are blind or hidden at the surface in the sense that hot springs or steam vents are not present. Structural and heat flow conditions favorable for the formation of economic electricity producing geothermal systems occur over a broad portion of the Great Basin, and it is not easy to pinpoint where to find undiscovered resources. Further enhancing the potential of finding new systems is the fact that grass-roots or green-fields geothermal exploration in the Great Basin has not been as extensive or thorough as it has been for metals. Socio-economic reasons for this include the relatively low profit margin for geothermal power plants, the expense of accessing the electric power grid in many remote portions of the Great Basin, and a public-auction-based BLM leasing system.

In spite of a relatively low level of grass-roots exploration, at least 15 previously unknown geothermal systems have been identified in the Great Basin over the last 5 years. Many of these systems were found by accident during drilling for water or metals exploration, but others were found purposefully. In this talk, we examine some of these recent discoveries to gain insights into how more geothermal systems might be found in the future.

► ***About the Speaker:***

***Dr. Mark Coolbaugh***

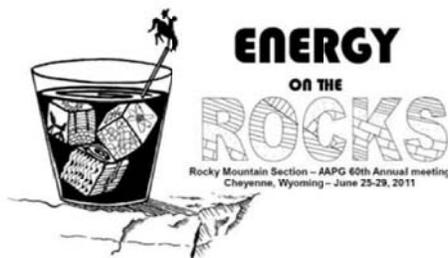
Mark Coolbaugh is Chief Geoscientist for Renaissance Gold Inc. in Reno, Nevada and Adjunct Assistant Professor for the Great Basin Center for Geothermal Energy at the University of Nevada, Reno. He received his B.Sc. from the Colorado School of Mines, M.Sc. from the University of Arizona, and Ph.D. from the University of Nevada, Reno. He has 20 years experience in metal mining and exploration in the US, Asia, and Latin America, and 10 years experience in geothermal research and exploration in North America, South America, and Europe. His research activities at the University of Nevada, Reno have focused on regional assessments of geothermal potential, as well as investigations into the linkages between young gold mineralization and modern geothermal activity in the Great Basin, and, more along the lines of today's talk, the development of exploration techniques for locating additional geothermal resources.

## Call for Papers – Press Release

2011 Rocky Mountain Section – AAPG Annual Meeting

June 25 – 29

Little America Conference Center, Cheyenne, Wyoming



[www.rms-aapg.org/2011\\_meeting/](http://www.rms-aapg.org/2011_meeting/)

The Rocky Mountain Section (RMS) of the American Association of Petroleum Geologists (AAPG) and the Wyoming Geological Association (WGA) is issuing a Call for Papers for their 2011 Conference, which will be held, in Cheyenne, Wyoming. The conference is taking place at Cheyenne's Little America Conference Center from June 25-29, 2011 and will include oral and poster sessions, exhibits, short courses, and field trips, including a pre-meeting Niobrara Shale trip.

Oral and poster sessions include:

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• <b>Niobrara-Featuring a Special Plenary Session</b></li><li>• Tertiary Resources of the Powder River Basin</li><li>• Fractured Shale Plays</li><li>• Producing Fields</li><li>• Evaluation of Unconventional plays</li><li>• CO<sub>2</sub> EOR and Sequestration</li><li>• EMD including Geothermal, Uranium and Coal</li><li>• Seismic Detection of Fractures</li></ul> | <ul style="list-style-type: none"><li>• Legal and Surface Issues Affecting Current Oil and Gas Operations</li><li>• Completions and Engineering Economics</li><li>• Gravity/Aeromagnetic Data and Collection Methods</li><li>• Structure of Rocky Mountain Basins</li><li>• Sedimentology and Stratigraphy of Rocky Mountain Basins</li><li>• Student Papers</li></ul> |
|---|--|

The abstract deadline is **January 15, 2011**.

Abstracts may be submitted at: <http://aapg2011rms.abstractcentral.com>.

#### CONTACT INFORMATION

Technical Program Chair, Andy Finley – [andy@goolsbyfinley.com](mailto:andy@goolsbyfinley.com)

The following is a tentative list of Short Courses to be offered:

- Niobrara Core Workshop
- Petrophysical Analysis of Unconventional Reservoirs
- Carbonate Diagenesis
- Bakken Shale Workshop

A Prospect Expo is planned for Wednesday, morning, June 29.

► ***NPS profits from RMS-AAPG Durango Annual Meeting***

From Jerry Walker;

*We received a check for \$451.39 from the RMS-AAPG as part of our share of the profits from the RMS-AAPG (Durango) annual meeting. The Section allocates profits from its annual meetings like this: 50% to the Section, 40% to the host or host societies (i.e., the Four Corners Geological Society for the 2010 Durango meeting), and 10% split equally among the non-host affiliated societies.*

November 2, 2010

Greetings,

The 2010 AAPG-RMS meeting in Durango was a big success and resulted in a profit of \$45,139.49. As per RMS rules, the profits will be distributed among the societies as follows:

<b>total profit</b>	<b>\$45,139.49</b>
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<u>Society</u>	<u>Share of profits</u>	<u>Distribution of funds</u>
RMS	50%	\$22,569.75
FCGS - host	40%	\$18,055.80
Wyoming	1%	\$451.39
Montana	1%	\$451.39
Idaho	1%	\$451.39
Albuquerque	1%	\$451.39
New Mexico	1%	\$451.39
Utah	1%	\$451.39
RMAG	1%	\$451.39
Nevada	1%	\$451.39
Grand Junction	1%	\$451.39
North Dakota	1%	\$451.39

Please find an enclosed check for your share of the profits. If you have any questions, please don't hesitate to ask.

Sincerely,

Michael Vanden Berg  
RMS secretary/treasurer  
And Utah Geological Survey  
801-538-5419

► ***Nevada BLM Oil & Gas Lease Sale Schedule***

BLM State office, 1340 Financial Blvd, Reno, NV – 10:00 AM

***Nevada's Competitive Oil & Gas Lease Sale Schedule  
(Tentative)***

<b>Sale Date</b>	<b>Parcels Offered for District Office at Sale</b>	<b>*EOIs Due</b>	<b>Sale Posting Date</b>	<b>Protest Deadline</b>
March 8, 2011	Elko/Southern Nevada	June 11, 2010	December 3, 2010	January 3, 2011
June 14, 2011	Battle Mountain	September 17, 2010	March 11, 2011	April, 11, 2011
September 13, 2011	Ely	December 17, 2010	June 10, 2011	July 11, 2011
December 13, 2011	Winnemucca/Carson City	March 18, 2011	September 9, 2011	October 10, 2011

\*EOI = Expression of Interest

Note: Lease sales will be held at Bureau of Land Management, Nevada State Office, 1340 Financial Boulevard, Reno, Nevada 89502.

[http://www.blm.gov/nv/st/en/prog/minerals/leasable\\_minerals/oil\\_gas/oil\\_and\\_gas\\_leasing/upcoming\\_sales.html](http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/oil_gas/oil_and_gas_leasing/upcoming_sales.html)

**One parcel listed for the March O&G Lease Sale:**

[http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/oil\\_gas/2011\\_lease\\_sales.Par.7926.File.dat/20110308\\_OG\\_Sale\\_Parcels.pdf](http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/oil_gas/2011_lease_sales.Par.7926.File.dat/20110308_OG_Sale_Parcels.pdf)

► ***March 22, 2011 Next Nevada BLM Geothermal Lease Sale***

**58 parcels offered for March 2011 Geothermal Lease Sale**

Note: Lease sales will be held at Bureau of Land Management, Nevada State Office, 1340 Financial Boulevard, Reno, Nevada 89502.

[http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/geothermal.Par.93993.File.dat/20100322\\_Geo\\_Sale\\_Parcels.pdf](http://www.blm.gov/pgdata/etc/medialib/blm/nv/minerals/geothermal.Par.93993.File.dat/20100322_Geo_Sale_Parcels.pdf)

► **News from Nevada Bureau of Mines and Geology:**

**From Charlotte Stock, NBMG Publication Sales**

**New publications at NBMG**

OF10-10 - Preliminary geologic map of the northeastern margin of the Caetano caldera, Lander County, Nevada, by Steve C. Moore and Christopher D. Henry, scale 1:6,000 plate and 3-page text, \$21.00 or free on the Web:

<http://www.nbmj.unr.edu/sales/pbsdtls.php?sku=OF10-10>

OF10-11 - Preliminary revised geologic maps of the Verdi, Reno, and Vista 7.5' quadrangles, Reno urban area, Nevada, by Alan R. Ramelli and Christopher D. Henry, with contributions by John W. Bell, Patricia H. Cashman, Larry J. Garside, P. Kyle House, James H. Trexler, Jerome P. Walker, and Michael C. Widmer, scale 1:24,000, rolled or folded, \$21.00 or free on the Web:

<http://www.nbmj.unr.edu/sales/pbsdtls.php?sku=OF10-11>

OF10-12 - Preliminary geologic map of the northern part of the lower Walker River area, Mineral County, Nevada, by P. Kyle House and Kenneth D. Adams, scale 1:24,000 (34x32"), rolled or folded, \$16.00 or free on the Web:

<http://www.nbmj.unr.edu/sales/pbsdtls.php?sku=OF10-12>

P-21 - Major mines of Nevada 2009: Mineral industries in Nevada's economy, by Doug Driesner and Alan Coyner, \$3.00 or free on the Web:

<http://www.nbmj.unr.edu/sales/pbsdtls.php?sku=P-21>

Charlotte Stock

NBMG Publication Sales, University of Nevada

mailing address for US Mail, Fed Ex, and UPS:

Nevada Bureau of Mines and Geology

Great Basin Science Sample and Records Library

2175 Raggio Parkway

Reno, NV 89512

phone (775) 682-8766; fax (775) 784-6690

Directions to our new office: [www.nbmj.unr.edu](http://www.nbmj.unr.edu)

You may place an order or check for shipping charges through our shopping cart at:

<http://www.nbmj.unr.edu/sales.htm>

**Remember the NPS publications are available for sale through the NBMG on their website.**

<http://www.nbmj.unr.edu/sales/pbs.php?ser=nps>

**► NPS February 2011 Meeting Announcement:**

**Thursday, February 3, 2011; Ramada Reno Hotel**

**Speaker: John Lopez, Director Coastal Stability Program**

**Lake Pontchartrain Basin Foundation, Metairie, LA**

**Topic: Gulf Oil Spill**

<b>Nevada Petroleum Society Calendar: Year 2010/2011</b>	
Jan 6, 2011	<b>NPS Monthly Dinner Meeting</b> – Thursday Jan 6, 6:30 PM Ramada Reno Hotel, 1000 E 6 <sup>th</sup> St, Reno, NV <b>Speaker: Dr. Mark Coolbaugh, Research Asst Professor</b> <b>GBCGE</b> Exploration/GIS, University of Nevada – Reno Topic: Grassroots Geothermal Exploration Techniques
Feb 3, 2011	<b>NPS Monthly Dinner Meeting</b> – Thursday Feb 3, 6:30 PM Ramada Reno Hotel, 1000 E 6 <sup>th</sup> St, Reno, NV <b>Speaker: John Lopez, Director Coastal Stability Program</b> <b>Lake Pontchartrain Basin Foundation, Metairie, LA</b> Topic: Gulf Oil Spill
Mar 3, 2011	<b>NPS Monthly Dinner Meeting</b> – Thursday Mar 3, 6:30 PM Ramada Reno Hotel, 1000 E 6 <sup>th</sup> St, Reno, NV <b>Speaker: Dr. Corne Kreemer, Research Asst Professor, NBMG</b> University of Nevada – Reno Topic: Applications of geodetic studies to Nevada
Apr 7, 2011	<b>NPS Monthly Dinner Meeting</b> – Thursday Apr 7, 6:30 PM Ramada Reno Hotel, 1000 E 6 <sup>th</sup> St, Reno, NV <b>Student Speakers</b> , Details TBA
Apr 10 2011	<b>AAPG Annual Convention &amp; Exhibition</b> – Houston TX <i>Making the Next Giant Leap in Geosciences</i> <a href="http://www.aapg.org/houston2011/">http://www.aapg.org/houston2011/</a>
May 5, 2011	<b>NPS Monthly Dinner Meeting</b> – Thursday May 5, 6:30 PM Ramada Reno Hotel, 1000 E 6 <sup>th</sup> St, Reno, NV Details TBA
Jun 25, 2011	<b>2011 Rocky Mountain Section – AAPG Annual Meeting</b> <b>June 25-29, Little America Conference Center</b> <b>Cheyenne, Wyoming – <a href="http://www.rms-aapg.org/2011_meeting/">www.rms-aapg.org/2011_meeting/</a></b>

The NPS Newsletter is provided to members of the Nevada Petroleum Society.  
For information about membership and events, see the NPS website at <http://www.nbmng.unr.edu/nps/>  
To submit articles, corrections or suggestions for the newsletter; Contact Vicki Ehni 775-883-1107, cell 775-720-6387; email [vehni@aol.com](mailto:vehni@aol.com) .

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Nevada Petroleum Society; Jan 2011

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TO: NPS Member