

## SHASTA GEM & MINERAL SOCIETY, INC.

Shasta Gem & Mineral Society, Inc                      ROC TOC                      2011

| <u>Elected Officers</u>                       | <u>Board of Directors</u>                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------|
| President<br>Steve Puderbaugh..... 604-2951   | Marianne Sweetwood..... 549-4598                                                        |
| Vice President<br>Sara Fenske..... 528-2651   | Steve Szynter                      241-2010                                             |
| Secretary<br>Phyllis Szynter ..... 241-2010   | Bill Doyle..... 549-3039                                                                |
| Treasurer<br>Sandra Park and..... 246-9822    | Junior Advisor & Work Shop Advisor:<br>Rochelle Ohlson...                      221-8050 |
| Rochelle Ohlson..... 221-8050                 | Assistant Junior & Shop Advisor<br>Steve Szynter ..... 241-2010                         |
| <br><u>Appointed Committees</u><br>           |                                                                                         |
| Programs<br>Sara Fenske..... 528-2651         | Sunshine<br>Jim Willis .                      222-2331                                  |
| Field Trips<br>Jim Foster..... 347-1819       | Scholarship<br>Marianne Sweetwood                      549-4598                         |
| Sara Fenske ..... 528-2651                    | Raffle<br>Jim & Pat Foster ..... 347-1819                                               |
| Properties<br>Bill Seward ..... 365-8641      | Hospitality<br>Jan Stone ..... 549-077                                                  |
| Publicity<br>Kelly O'Leary ..... 221-7281     | Roc Toc<br>Gretta Seward ..... 365-8641                                                 |
| Show Chairman<br>Steve Puderbaugh             | Coffee<br>Jan Stone ..... 549-4077                                                      |
| Assistant Show Chairman ..... 604-2051        | Superior Cal.<br>Steve Puderbaugh ... 604-2951                                          |
| Bill Seward..... 365-8641                     | CFMS Directors<br>Bob & Jeane Stultz ..... 243-3024                                     |
| Dealer Chairman<br>Bill Seward ..... 365-8641 | Kitchen: ALL MEMBERS                                                                    |
| Membership<br>Gretta Seward..... 365-8641     | Parliamentarian<br>John Ellwanger ..... 275-1055                                        |
| Chaplain<br>Jim Willis ..... 222-2331         |                                                                                         |

**Board Meeting:** Next to last Monday of each month, location to be determined by the Board.

**Regular Meeting:** The second Friday of each month, at the Anderson Grange Hall, south of the Redding Airport on Figtree Lane. Potluck dinner starts at 6:30, meeting after approx at 7:30.

**Dues:** \$15.00 each adult per year, junior membership is \$8.00 each per year paid to the membership chairman. Bulletins for life members are \$5.00 membership chairman.

**SGMS** is a member of the Superior Federation of the Mineralogical Societies and the Superior California Association. The SGMS is a non-profit organization dedicated to increasing knowledge of gem, minerals and the lapidary arts programs through reading, classes and field trips to perpetuate a deep friendship of fellow rock hounds. Permission is given for use of the material printed in the ROC TOC, provided credit is given. Exchange bulletins are welcome and can be mailed to Gretta Seward 20361 River Valley Dr., Anderson, California 96007-8406.

Shasta Gem & Mineral Society Club workshop is located at the "Marx House", 6471 Airport Road, Anderson, CA 96007.      [www.shastagemandmineral.com](http://www.shastagemandmineral.com)

## December 2010 board Meeting

The meeting was held at Bill and Susan Doyles house in Bella Vista. The meeting started at 6:55 PM. Secretary Phyllis Sznyter read the minutes of the December General Meeting and highlights of the November Board Meeting. The notes were accepted as read.

The showcases were brought up by Steve Puderbaugh. February 5, 2011 was selected for the construction of new showcases weather permitting. The board meeting for January will be held at the workshop. February's will be there hosted by Sara Fenske. Steve Puderbaugh will host March's board meeting at the shop and Sandy Park will host April's. There will be no board meeting in May due to the show.

The first Saturday in March will be a parking lot sale. Sandy and Steve are putting an agenda on our website.

Under new business Bill Doyle suggested we publicize our scholarship recipients in the Record Searchlight. Sandy Park and Bill Seward will be getting our raffle table items at Quartzite early next year.

We are contacting the state rock club lawyer for a letter of approval for our education fund.

The workshop needs a new brass grinding wheel to be bought out of the workshop funds. This can be bought at Quartzite.

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. December 2010 board Meeting

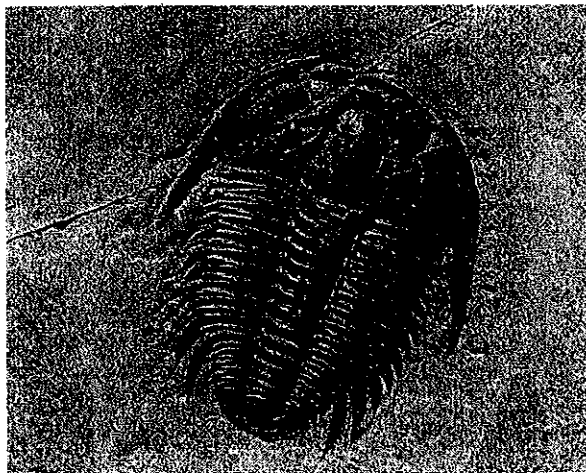
## Trilobite Babies

Trilobite eggs have never been found, but undoubtedly, trilobites laid eggs as all arthropods do, and certain trace fossils are thought to be pits dug by trilobites to lay their eggs in. After a trilobite hatches, it's a soft larval form called a naupilus. At this stage, the larva is less than a millimeter in length and looks similar to those of modern marine arthropods like the horseshoe crab. The naupilus was capable of movement, but mainly drifted on the ocean currents.

The next step in development is called the protaspid stage and this is when the trilobite develops an external, mineralized shell called an exoskeleton. It's during this period that a division between the cephalic region (head) and the protopygidium (tail) appears. Structures like facial sutures, eye ridges, spines and hypostoma begin to develop.

The next step is called the meraspid stage, and this is when the trilobite begins to develop thoracic segments, which are formed at the anterior portion of the tail. The meraspid begins to grow larger by a series of larval molts, and adult features begin to appear.

The next period of development is called the holaspid stage, and this stage starts when the last thoracic segment is formed. The adult features are nearly complete. At this point there is a great increase in size, and the tail is then referred to as the pygidium. The holaspid stage continues until the animal dies.



## JANUARY BIRTHDAYS

Happy Birthday! We hope you have a wonderful day.

BIRTHSTONE; GARNET  
FLOWER; CARNATION

Nearly everyone thinks of garnets as a red gem, but some jewels in this family range in color from pale orange to dark red to violet. Garnets can also range from cinnamon to brown and from olive to green. A flawless clear green garnet of the demantoid variety is one of the most beautiful and costly green in existence. Of the red variety, the deep red Almandine is the most valuable. In ancient writings it was referred to as a "Carbuncle". This was the stone that was said to have provided the light in Noah's Ark during the wet dark days and nights of the flood.

The more common variety is known as Pyrope garnet. As with many other gemstones, garnet was thought to have magical powers-potents against poison, bad dreams, drowning, etc. Carvings in the figure of a lion (called Simbas) were worn toward off disease and to protect travelers.

Garnets have a hardness of 6 ½ on MOH scale, although this may vary with the quality of the stone.

CHRISTMAS DINNER: The Christmas party was wonderful. The food was excellent, but we needed one more turkey or ham. The members were given a ticket and everyone received a gift.

We would like to thank all the people that donated money and brought food. It has been our tradition to donate can foods and or cash and deliver it to the Anderson Cottonwood Assistance Program. It is wonderful to be able to help make the Holidays a little brighter for someone in need. Thank you very much for your generosity.

DUES ARE DUE: Dues are \$15 per adult and juniors are \$8 each, and were due October 1

through September 30. There are no dues for children that do not wish to participate in the junior member activities. The dues pay our insurance, newsletter costs and other club activities. Please pay your dues as soon as possible by sending it to Gretta Seward, 20361 River Valley Drive, Anderson, California 96007.

INSTALLATION OF OFFICERS: The installation of the new officers will be held at the January meeting.

NEW MEMBERS: We would like to welcome the following new members: Bob & Kathleen Lewis to the Shasta Gem & Mineral Society. We hope you will find being a member a rewarding experience.

Please introduce yourselves when you see some one at our meeting or at the workshop that you do not know. We want every one to feel welcome.

NO ROC TOC in February, but it will be back in print in March. Those of you that do not have a computer; we will continue to put your copy in the mail. If you do have a computer please log into [www.shastagemandmineral.com](http://www.shastagemandmineral.com).

SCHOLARSHIP: The Shasta Gem & Mineral Society, Inc. is proud to announce that the following students were awarded scholarships from the Society for their academic achievements in Earth Science Studies:

Melanie Stephens, Redding \$1,000.00  
Eric Sweetwood, Redding \$1,000.00  
Kevin Pfeiffer, Palo Cedro \$500.00  
Gabrielle Costa, Redding \$500.00

Each year the SGMS awards Scholarships to outstanding students pursuing degrees in Earth Science. Congratulations students for a job well done.

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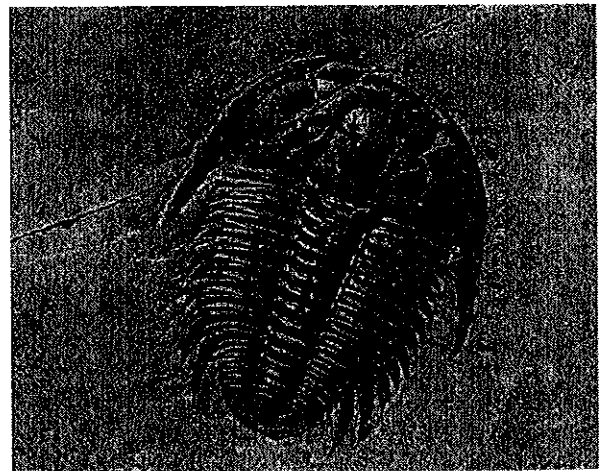
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# 2011 Mineral & Gem Show



## Calendar

| Date                                                           | Club/Show Name                                                               | Show Location                                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>February 12 - 13</b><br>Sat 9 - 5, Sun 9 - 4                | Whidbey Island Gem Club<br>46th Annual Sweetheart of Gems Show               | Oak Harbor Senior Center<br>51 SE Jerome Street, Oak Harbor, WA 98277                                            |
| <b>February 26 - 27</b><br>Sat 10 - 6, Sun 10 - 5              | Idaho Gem and Mineral Club                                                   | Expo Idaho, 5610 Glenwood St.,<br>Boise, ID 83714                                                                |
| <b>February 26 - 27</b><br>Sat 10 - 6, Sun 10 - 5              | Everett Rock & Gem Club<br>58th Annual Gem & Jewelry Show                    | Washington National Guard Armory<br>2730 Oakes Avenue, Everett, WA 98201                                         |
| <b>March 5 &amp; 6</b><br>Sat 10-6, Sun 10-5                   | Owyhee Gem & Mineral Society<br>57th Annual Rock & Gem Show                  | O'Conner Field House<br>2200 Blaine, Caldwell, Idaho                                                             |
| <b>March 11 - 13</b><br>Fri 10 - 6, Sat 10 - 6<br>Sun 10 - 5   | Tualatin Valley Gem Club<br>53rd Annual Rock and Mineral Show                | Washington Co. Fairgrounds<br>873 NE 34th Avenue, Hillsboro, OR<br>(Cornell Road, across from Hillsboro Airport) |
| <b>March 12 - 13</b><br>Sat 9 - 5, Sun 10 - 4                  | Rock and Arrowhead Club, Annual Show<br>Featuring Petrified Wood             | Klamath County Fairgrounds<br>3531 South 6th Street, Klamath Falls, OR                                           |
| <b>March 12 - 13</b><br>Sat 9 - 6, Sun 9 - 5                   | 60th Annual Gem Show<br>Magic Valley Gem Club                                | Twin Falls County Fairgrounds, East side of<br>Filer ID on US Highway 30, Filer, ID                              |
| <b>March 18 - 20</b><br>Fri 10 - 7, Sat 10 - 7<br>Sun 10 - 5   | Timpanogos Gem & Mineral Society<br>52nd Annual Spring Parade of Gems        | Spanish Fork Fair Grounds<br>475 South Main Street<br>Spanish Fork, UT                                           |
| <b>March 26 - 27</b><br>Sat 10 - 6, Sun 10 - 5                 | Sweet Home Rock & Mineral Society<br>63rd Annual Show, Featuring Fossils     | Sweet Home High School Activity Gym<br>1641 Long Street, Sweet Home, OR                                          |
| <b>April 1 - 2</b><br>Fri 8:30 - 6, Sat 9 - 5                  | Panorama Gem and Mineral Club                                                | Fort Colville Grange Hall, Hwy. 20,<br>Colville, WA                                                              |
| <b>April 2 &amp; 3</b><br>Sat 10 - 6, Sun 10 - 5               | The Rock, Gem and Craft Show<br>Mount Hood Rock Club                         | Mt Hood Community College Gym<br>2600 SE Stark, Gresham, OR                                                      |
| <b>April 2 &amp; 3</b><br>Sat 10 - 5, Sun - 10 - 4             | South East Idaho Gem & Mineral Society                                       | Bannock County Fairgrounds<br>Commercial Bldg<br>Pocatello ID                                                    |
| <b>April 8 - 10</b><br>Fri 10 - 6, Sat 10 - 6<br>Sun 10 - 5    | Rock Rollers Club<br>52nd Annual Gem, Jewelry, Rock and<br>Mineral Show      | Spokane County Fair & Expo Center<br>North 604 Havana at Broadway<br>Spokane, WA                                 |
| <b>April 9 - 10</b><br>Sat 10 - 6, Sun 10 - 5                  | "Golden" Family Affair - 50th<br>Anniversary, Mt. Baker Rock and Gem<br>Show | Bloedel Donovan Park<br>2214 Electric Avenue, Bellingham, WA                                                     |
| <b>April 15 - 17</b><br>Fri 9 - 6, Sat 10 - 6<br>Sun 10 - 4:30 | Willamette Agate Mineral Society<br>56th Annual Show                         | Polk County Fairgrounds<br>520 South Pacific Hwy West, Rickreall, OR                                             |
| <b>April 16 &amp; 17</b><br>Sat 10 - 5, Sun 10 - 4             | Lakeside Gem & Mineral Club                                                  | Benton County Fairgrounds<br>1500 South Oak, Kennewick WA                                                        |
| <b>April 16 &amp; 17, 2011</b><br>Sat 10 - 6, Sun 10 - 5       | Idaho Falls Gem & Mineral Society                                            | Idaho Falls Recreation Center<br>Memorial & B Streets, Idaho Falls, ID                                           |
| <b>April 30 &amp; May 1</b><br>Sat 10 - 5, Sun 10 - 5          | West Seattle Rock Club                                                       | Alki Masonic Temple, 4736 40th Ave SW,<br>Seattle, WA                                                            |





# Northern California Treasures

May 13, 14, and 15, 2011

California Federation of Mineralogical Societies, Inc. Show  
and Convention

Shasta District Fairgrounds  
Briggs St. - Anderson, CA  
8 Miles South of Redding, CA



**Hours:**

Friday: 9am-5pm

Saturday: 9am-5pm

Sunday: 10am-4pm

Raffle

Speakers

World Class Displays

Silent Auction

Free Demonstrations

Adults: \$4.00

Seniors: 65+ \$3.00

Children: 13-18 - \$2.00

Children: 12 and Under - Free



Minerals

Fossils

Beads

Gems

Jewelry

Jewelry Supplies

Lots of stuff!

Loads of Fun!

Come for Lunch and  
stay through closing!



Sponsored by California Federation of Mineralogical Societies, Inc.

Hosted by:

Superior California Gem and Mineral Association a combined association of:

Shasta Gem and Mineral Society, Inc. - Redding, CA. - [www.shastagemandmineral.com](http://www.shastagemandmineral.com)

Paradise Gem and Mineral Club - Paradise, CA.

visit us at: [www.superiorcal.com](http://www.superiorcal.com)