



THE GEODE

Lakeside Gem and Mineral Club, Inc. (LGMC)

www.lakesidegemandmineralclub.com E-mail: lakesidegemandmineralclub@yahoo.com

Volume 81, Issue 5

May 2014

Club purpose: Promote activities of mutual interest for collecting and displaying of gems and minerals.

Address: Lakeside Gem & Mineral Club, Inc., PO Box 6652, Kennewick, WA 99336-0603

Club Meetings in May

May 7, 2014 Club meeting – 6:30 social, 7:00 p.m. meeting.

Seventh Day Adventist Church, 7305 W 10th Ave., Kennewick, WA

Refreshments: Judi Allison, Ralph Eichner, Cynthia Guettinger, Sally Lyon.

Coordinator: Mary Lou Omstead. **Thank you!**

Program: **Cost Saving Tools for Silversmithing.** Presenter: Dennis Wall of Hepner, Oregon.

Bragging table theme: cost saving ideas for rock hounds and jewelry makers

What is it? Members are invited to bring one rock or mineral per meeting for identification

May 13, 2014 Junior Club meeting -- 6:30 pm

Banner Bank, 203 W 1st Ave., Kennewick, WA; Junior Club Leader Thora Trumbo (509) 582-4297

May 19, 2014:

Board meeting – 6:30 pm; Seventh Day Adventist Church (address above). Members welcome.

Note of Appreciation

Special thanks to all Club members and our many dealers from around the region who have combined your time, talents and energy so generously to make the 2014 LGMC Gem and Mineral Show a success. We are all grateful for the leadership and event coordination of Show Chair Evelyn Cataldo.

GEODE Submission Deadlines:

15th - articles and photos

Day after Bd mtg - officer and committee contributions

E-mail them to carol.devine2@frontier.com

or call (509) 967-0589 to make other arrangements

GEODE Reprint Permission:

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appropriate credit is given to the source.

Member contact information updates:

Please notify Pat Lambert or Carol Devine.

Happy Mother's Day!



In this Issue

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7	Library feature of the month Keep it legal, keep it fun!

The Junior Club newsletter is attached.

Minutes – Board meeting – Apr. 21, 2014

Present: (Board Members) Dave Westland, Marty Casto, Michelle Isom, Bert Kae-Jé, Larry Hulstrom, Steve Shoemaker, Yvonne Legare, Carol Devine. (Quorum present.)

(Members) Evelyn Cataldo, Pat Lambert, Myrene Northey, Mary Lou Omstead, Patricia Richardson.



Marty Casto,
Club Vice-President

Club Vice-President Marty Casto called the meeting to order at 6:30 p.m.

Old Business

- Treasurer’s report – Bert Kae-Jé. Financial matters related to the coming Show.
- Program planning – • Steve Shoemaker suggests Kathy Larson contact Nick Zentner, of the CWU Geology Department, to schedule a club presentation on Ellensburg blue agate. • Kathy Larson seeks guidance on stipends and expense reimbursement for non-Club member speakers. She and Carol Devine to bring proposed policy incorporating tonight’s discussion to the next Board meeting for review and approval. • Ideas: Mini Hancock Station event in a community facility. Shared workshops and programs with regional rock and mineral clubs.
- Club owned equipment inventory – status report, with recommendations. Marty Casto will evaluate condition of the rock saws and sanders at the Omstead’s so the club can benefit from discounts offered by dealers at the show later this week.
- Benton Franklin Fair exhibit (Aug 2014) – Larry Hulstrom will hand deliver the contract this week.

New Business

- One of the show dealers had to cancel a week before the show due to health issues. Steve Shoemaker will fill the dealer vacancy on short notice.
- **Motion passed** -- In memoriam donations will be made to the Northwest Federation Graduate Scholarship Fund in recognition of recently deceased Club members Tim Pegram and Glenn Lee. The Board is also saddened to learn of the passing of long-time Club activity supporter Warren “Tex” Ross of Hermiston.
- Club shop – Bert Kae-Jé suggests the club consider writing a grant proposal to fund a shop. Steve Shoemaker shared what he has learned about up-front and maintenance costs, and staffing considerations. Evelyn Cataldo verbally summarized results of another club’s year-long cost effectiveness study of this issue.
- Professional expertise of Club members an untapped resource. Options to learn what members can offer.
- **Club Librarian** – With regret, the Board accepts the resignation of Ron Northey as Club Librarian, and thanks him for his many years of service. Ron is working with Jean Smith, who is transitioning into the role.

Next Meetings

- **Club meeting:** May 7, 2014, 7:00 p.m. (social at 6:30). Program: Cost saving tools for silversmiths. Presenter: Dennis Wall. Bragging table theme: cost saving ideas for rock hounds and jewelry makers
- **Board meeting:** May 19, 2014 at 6:30 p.m. Club members are invited and welcome.

The meeting adjourned at 8:00 p.m., followed by the final Rock Show Organizing Committee meeting.

Michelle Isom, Secretary

LGMC Board of Directors - May 2014			
Officers E-mail: lakesidegemandmineralclub@yahoo.com			
President	Dave Westland – 735-9678	Director	Steve Shoemaker – 521-5623
Vice President	Marty Casto – 628-3509	Director*	Yvonne Legare – 585-5514
Secretary	Michelle Isom – 528-7638	Federation Representative	Larry Hulstrom – 783-6210
Treasurer	Bert Kae-Jé – 582-3766	Junior Club Leader	Thora Trumbo – 582-4297
Past President	Larry Hulstrom – 783-6210	Bulletin Editor	Carol Devine – 967-0589
Phone numbers are all Area Code 509. By-Laws specify two year elected terms of office for Board Members, beginning in November. President, Vice President and one Director begin in even numbered years. Secretary, Treasurer and one Director (*) begin in odd numbered years. Federation Representative, Junior Club Leader, Bulletin Editor and Committee Chairs are Board-approved volunteers. By-Laws at www.lakesidegemandmineralclub.com			

Minutes – Club Meeting – April 2, 2014

Club President Dave Westland opened the meeting at 7:00 p.m.

Guests and new members were introduced and welcomed.

Treasurer's report: Bert Kae-Jé. Please give show receipts and requests for reimbursement to Bert promptly.

Committee updates:

- **April Gem & Mineral Show Planning:** Evelyn Cataldo provided an update on preparations, with a summary displayed via PowerPoint slides.
 1. Road signs: Take them road signs tonight, display them 4/20-27. Obtain permission prior to posting them on private property.
 2. Display cases: Members interested in displaying treasures are still invited to sign up.
 3. Volunteer opportunities are still available. Review of resources and supplies needed, including pickup trucks.
 4. Items for the consignment auction and silent auctions are needed; forms here tonight. Process reviewed.
 5. Schedule: **Thursday 4/23:** 4:00 meet under signs at Fairgrounds to load pickups. **Friday 4/24:** show set-up starts at 9:00 a.m. Lunch provided. Club potluck dinner at 6:00 p.m. Please bring salads and desserts not later than 5:00 p.m. After meal, move tables and chairs to Building 16. **Saturday 4/25:** Show 10-5:00. **Sunday 4/26:** Show 10-4:00. Tailgating Sunday morning (set-up 7:00; selling 8:00-noon). Bring your stuff to sell and trade. 4:00: Please help take down and transport show equipment. Many hands = light work.
- **Society competitive exhibit cases:** Contributors please bring materials to Kennewick Public Library on Union Street Sunday **April 6, 2014**. Conference room, first door on right from entrance.
- **Club vests:** available through Patricia Richardson and Mary Early.
- **Field trips:** Ammon Bruce reviewed field trips in planning: April through August, beginning with Bickleton (carnelian agate); May – Saddle Mountain; Moses Lake (meteorites); late May--Elgin Museum. Last minute notices and updates provided through new club e-mail maillists. Announcements at meetings and through Geode when possible.

Announcements

- **Earth Day (4/22/14) speaker** for a group of Girl Scouts is sought. Contact Dave Westland to volunteer.
- **Rock & Mineral Show guide** requested: Hudson Car Club of Spokane visits Tri-Cities Apr 26-27, seeks guide for the rock show. Contact Dave Westland to volunteer.
- **Regional events:** • **April 5** Wire Wrapping Class. • **April 11-13** British Columbia, Canada show. • **April 12-13** Yakima show – note new location. • **April 12-13** N. Central WA Prospectors show Cashmere. • **May 3-4** Everett show. • **May 5** table reservation deadline (\$20), for **May 18th** Bizarro! In Hermiston. • **May 17** glass beads class. • **Aug 30-31** Hancock Station still has openings. See fliers on table at back of meeting room during break.
- **All Rockhounds Pow Wow Club of America events this summer:** see April Geode, or visit www.allrockhoundspowwowclubofamerica.com for details.
- **Sanding wheels** – Jerry Sorensen has a new set of sanding wheels for sale at his cost.

Next Meeting: May 7, 2017, 6:30 social, 7:00 pm meeting

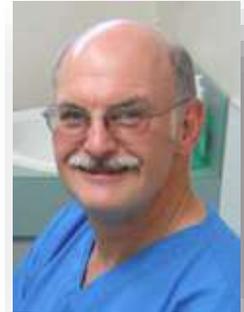
- Program: Cost Saving Tools for Silversmithing. Guest speaker: Dennis Wall, Hepner, Oregon

Program

- **Gorgeous Garnets!** Presenter: Carol Devine. **Bragging table:** anything garnet
- **Door prize winners:** Elaine Senn, Larry Hulstrom, several others

The meeting adjourned at 9:15 p.m.

Michelle Isom, Secretary



Dave Westland
Club President

Field Trip Summary: Bickleton, Apr. 19th

Nearly 20 LGMC members and their families enjoyed perfect weather as they searched for carnelian on gravel roads of the LDS Church Farm on the bluffs overlooking the Columbia River near Bickleton. The site provided ample parking, port-a-potties, and the luxury of good roads and minimal hiking. Many who participated in the 3 hour field trip made new friends, and nearly everyone felt the thrill of locating a carnelian agate that may have been a million years in the making. Thanks to all who participated, and especially to our trip coordinator, Ammon Bruce!



Photo courtesy Ed Marchand



Prosser Public Library – Frank and Mary Lou Omstead, and Kerry Norton

E-Mail Addresses Requested

Lakeside Gem and Mineral Club is using the new e-mail mail list to provide timely information, such as the announcement of final arrangements for the April 19th field trip. Please keep Pat Lambert advised how we can reach you on short notice. Simply:

- Send an e-mail to palambert@charter.net In the subject line, type “e-mail mail list update”
- In the body of the message, list your updated e-mail address, and the LGMC club members who will receive notices at that address.

Providing your e-mail address for this mail list will not change how you receive your Geode each month.

LGMC Earth Month Library Displays

Patrons at three regional libraries enjoyed displays of rocks, minerals, semi-precious gemstones and flint knapping in April thanks to LGMC Club members. Great job!



Pasco Public Library – Andy Johnson



West Richland Public Library – Marvin Barger and Carol Devine

Members of LGMC are its' greatest resource.			
To get acquainted, get involved. New talent always welcome!			
Field Trips	Ammon Bruce, Heather Moon	Memberships	Pat Lambert
Meeting Programs	Kathryn Larson	Historian	Mary Lou Omstead
Website Manager	Sean Hall	Meeting Refreshments	Mary Lou Omstead
Librarian	Ron Northey	Door Prizes/Speaker Gifts	Ron Passage
Junior Club Leader	Thora Trumbo	Sunshine Chairman	Pat Harmon
Welcome Packets	Carol Devine, Maurine Hansen	Gem & Mineral Identification	Club members

Dates		May 2014 Regional Events	
3-4	Everett Rock & Gem Club Annual Show 10:00 am – 5:00 pm	Everett Com. Col. Student Fitness Ctr., 2206 Tower St., Everett, WA	Fritz Mack (425) 232-0809
	Umpqua Gem & Mineral Club Annual Show 10:00 am – 4:00 pm	Douglas Co. Fairgrounds I-5 Exit 123, Roseburg, OR	Janet Stringfellow soldbyjanets@yahoo.com
8	LGMC: flint knapping, self-paced workshop. 6 - 9:00 pm No fee.	803 S. Edison St., Kennewick, WA Shaped flint slabs and tools provided	Frank Omstead (509) 783-2798
10-11	Bozeman Gem & Mineral Club Annual Show 10:00 am – 4:00 pm	Gallatin Co. Fairgrounds Bldg. #1 901 N. Black, Bozeman, MT	Jerry Hancock jaegers@bresnan.net
17	LGMC Field Trip: Summerville, Oregon Meet 7:30 a.m. at Fred Meyers gas station parking lot, 2811 W 10 th Ave., Kennewick	Grow Wiser, 69512 Pumpkin Ridge Rd. Summerville, OR (541) 534-2155 Host: Andy Huber, Ph.D.	Ammon Bruce (509) 551-6526
	WA State Mineral Council field trip accessible to the public – 10:00 am – 6:00 pm	Ginkgo Interpretive Center & Gem Shop, Vantage, WA	Howard Floyd (509) 662-1016
18	Hatrock Gem & Mineral Society -- <i>Bizarro!</i> 10:00 am – 4:00 pm. Vendor tables still available (\$20).	Hermiston Conference Center, 415 S. Hwy 395, Hermiston, OR Includes, but is not limited to, rocks and minerals.	Judi Allison (541) 720-4950
17-18	Bitterroot Gem & Mineral Society Show 10:00 am – 4:00 p.m.	Ravalli Co. Fairgrounds, 1 st Interstate Ctr. 100 Old Corvallis Rd, Hamilton, MT	Mike McConnell (406) 360-4944
20, 21	LGMC: cabochon, self-paced workshops. 5:30 - 9:30 pm Fee \$1/hr.	803 S. Edison St. Kennewick, WA	Mary Lou Omstead (509) 783-2798
22	LGMC: flint knapping, self-paced workshop. 6 – 9:00 pm No fee	803 S. Edison St., Kennewick, WA Shaped flint slabs and tools provided	Frank Omstead (509) 783-2798
Dates		June 2014 Regional Events	
6-8	Puyallup Valley Gem & Mineral Club Show 10:00 am – 5:00 pm	Swiss Park, 9205 198 th Ave E. Bonney Lake, WA 98390	Nancy LeMay info@puyallupgemclub.org
7-8	North Idaho Mineral Club Annual Show 10:00 am – 4:00 pm	Kootenai Co. Expo & Center Kathleen & Gov't Way, Coeur d-Alene, ID	Mike Burton (208) 772-9347
12	LGMC: flint knapping, self-paced workshop. 6 – 9:00 pm No fee.	803 S. Edison St., Kennewick, WA Shaped flint slabs and tools provided	Frank Omstead (509) 783-2798
14-15	Oregon Coast Agate Club Annual Show 10:00 am – 4:30 pm	Yaquina View Elementary Sch. 351 SE Harney St., Newport, OR	K. Myers (541) 991-0311
17,18	LGMC: cabochon, self-paced workshops. 5:30 – 9:30 pm Fee \$1/hr	803 E. Edison St. Kennewick, WA	Mary Lou Omstead (509) 783-2798
25-29	All Rockhounds Pow Club of America event – Jefferson County Fair Grounds, Madras, OR	Daily field trips (agate, jasper, thunder eggs, petrified wood) Details: www.allrockhoundspowwowclubofamerica.com	
26	LGMC: flint knapping, self-paced workshop. 6 – 9:00 pm No fee.	803 S. Edison St., Kennewick, WA Shaped flint slabs and tools provided	Frank Omstead (509) 783-2798

Resources for Club Members

- **Rock saw oil.** Max Hatfield - (509) 582-6028; Ralph Eichner – (509) 582-9017
- **Tumbling grit.** \$2/lb. For every 5 lbs. of tumbled rock you donate, get 1 lb. of grit free. Frank & Mary Lou Omstead - (509) 783-2798



Founders of Lakeside Gem & Mineral Club

In 1951, rock enthusiasts met at Del Bateman's shoe repair shop in downtown Kennewick. Del sponsored this meeting each Thursday night as he repaired shoes, giving information and help to all interested. He also gave rock samples and shells from Mexico, where he spent his one week vacation each year. Del made Indian artifacts and taught many others these skills. Del Bateman was the charter member of Lakeside Gem and Mineral Club when it was started. As far as I can remember, I and my three children are the only surviving members of the original informal group. **Marvin Barger**

Gorgeous Garnets!

Club meeting program, April 2, 2014 – Carol Devine

Identifying and cutting garnets. Garnets are softer than topaz and harder than apatite, with a Mohs' rating of 6.5 to 7.5. Garnet crystals have no cleavage plane. Their fracture is conchoidal uneven. By volume, garnet is 4 times as heavy as water, with a specific gravity of 3.54 to 4.32. For their size, they are heavier than tourmaline, quartz or calcite, but lighter than zircon. Garnets sometimes contain air pockets, which must be located prior to cutting. The garnet may "explode" when a rock saw hits an air pocket in the stone. Faceters working with Star Garnets must use special techniques to get the four, or six, rayed "star" to align properly at the top center of the finished gem.

Garnets in jewelry. Garnets are beautiful in a wide variety of metal settings, and are often mounted in jewelry with citrine, opal, pearls, and diamonds. Stable to light and chemicals, garnets should be cleaned with a soft brush and warm soapy water, and protected from hard blows and extreme temperature changes.

Difference: Species vs Variety. Garnets pick up minerals during the metamorphism process in the rock cycle. *Mineralogists* classify gem-quality garnets into **six species** based on their chemistry. The aluminum silicates are Pyrope, Almandine and Spessartine, which contain magnesium, iron and manganese, respectively. The calcium silicates are Andradite, Grossular and Uvarovite. They contain iron, aluminum and chromium, respectively. A garnet containing minerals from two species is classified by mineralogists as one or the other species based on the predominant mineral. *Gemologists* take a different stance. They market that same garnet as a **variety** of the predominant species. For example, assume that a garnet has two Pyrope (magnesium) molecules and one Almandine (iron) molecule. A mineralogist calls it Pyrope, but gemologists call it Pyrope variety Rhodolite. Like Pyrope species, Rhodolite variety has few internal flaws. Both are recommended for faceting. Stunning, emerald green Tavorite variety (see photo) and top quality Demantoid variety garnets command high prices (Newman, 2011). Over the past 50 years, discoveries of color change garnet varieties like Malaya, and the iridescent Rainbow Garnet from Japan, have been expanding the varied and beautiful garnet family.



Learn more through online sales ads! Become a better informed garnet buyer and collector by mining online sales ads, such as those in eBay. Find a garnet sales ad that interests you. Save the item photo to your computer (Snagit software is recommended). Assign a number to the photo (i.e., "Garnet 14") and link it by that number to a notebook reference. Record details from the ad in the notebook reference, including species/variety, matrix, other crystals or gems in the piece, dimensions/weight, where it was mined, the vendor, final selling price and date. To learn the final selling price of an eBay auction item, save it to your "Watch List" and check the list periodically. The price history you develop over just a few fascinating months can help you recognize a good value when you find it.

Have you discovered this? Exotic Gems, Volume 2, published in 2011 by professional gemologist Renee Newman, devotes 50 pages to the garnet group. She includes valuation and pricing ranges for each semi-precious gemstone reviewed. ISBN 978-0-929975-45-0. The LGMC library is now acquiring all three volumes of this instant classic.

Sincere thanks! Lakeside Gem and Mineral Club members Marty Casto, Wayne Larson and Steve Shoemaker were influential in the research for and development of this program. Many other Club members, including but not limited to Jerry Johnson, Evelyn Cataldo and Larry Hulstrom, provided valued feedback following the presentation. Thank you!

Library Feature of the Month

The world of fluorescent minerals.

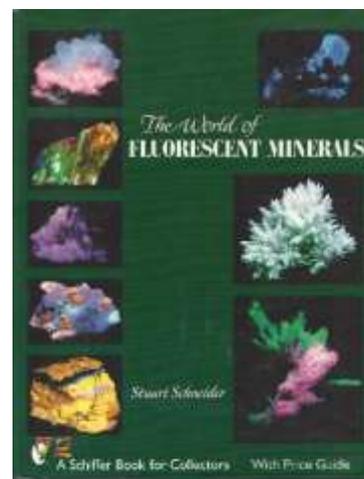
Stuart Schneider (2006). Atglen, PA: Schiffer Publishing Ltd.

- Fluorescent minerals by type
 - Finding fluorescent minerals; fluorescence tables by mining site and mineral
 - Photographing fluorescent minerals
 - 160 pages of color photos by mineral and locale in natural and shortwave light
 - Documenting and displaying your collection. Price guide.
 - Ultraviolet lamps; mines lamps; build a battery pack for your 12 Volt UV Lamp
- Library holdings are published on the Club website.

Pending acquisitions:

- Exotic Gems, Vols. 1-3, Renee Newman
- Revised Lapidary Handbook, J. Harry Howard

Your suggestions for Club Library acquisitions are invited!



Thank you, Ron Northey! For the past several years, Ron Northey has served as Club Librarian. This month, Ron notified the Board of his intention to resign from the position, and announced he has recruited Jean Smith to transition into the important role. Your help is requested. Please return all checked-out Club library books at the May meeting. Checking out an item from the Library is a great way to preview it before buying your own copy.

Keep it legal, keep it fun!

- **Discover Pass** – Needed to access State lands or lands managed by the State, or even travel across them. \$35/year or \$11.50/single use. Fine for noncompliance. <http://www.discoverpass.wa.gov/>
- **America the Beautiful Federal Recreational Land Pass** – Needed to access BLM and federal lands in Oregon and Washington. <http://www.blm.gov/wo/st/en/prog/Recreation/>
- Rockhounding on public lands <http://www.blm.gov/or/programs/minerals/rockhounding.php>
- Rockhound code of ethics <http://www.amfed.org> → Code of Ethics tab
- **Other websites to explore:**
 - <http://www.blm.gov/or/> US Dept. of Interior Bureau of Land Management (Oregon/Washington)
 - <http://wdfw.wa.gov/> Washington Department of Fish and Wildlife
 - <http://www.nps.gov/index.htm> National Park Service
 - <http://www.parks.wa.gov/> Parks and Recreation Commission
 - <http://www.fs.fed.us/> US Forest Service
 - <http://www.dnr.wa.gov/aboutdnr/managedlands/pages/home.sapx> Natural Area Preserves
 - <http://www.dnr.wa.gov/aboutdnr/managedlands/pages/> Natural Resources Conservation Areas
- Links to e-mail access for BLM offices at Wenatchee and Spokane, Washington, and Baker and Vale, Oregon are offered at <http://www.blm.gov/or/districts/>

Reminder...deadline July 15th

The advance registration deadline for the Northwest Federation of Mineralogical Societies Annual Show, held August 15-17, 2014 in Hermiston, Oregon, is July 15th. All activities involving meals require advance registration. The advance registration form is published on page 13 of the April 2014 Northwest Newsletter. Request a copy of the form by contacting Carol Devine at carol.devine2@frontier.com

Invitation to contribute to your Geode: Share your recent rock hound adventure and photos with your friends in the Club! Discuss what you have learned through an original, brief or feature article. Want to contribute, but dislike writing? Ask for a face-to-face or phone interview. Submission deadlines and options are on the front cover. Together, we can make the Geode great! Carol Devine, Geode Editor



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LAKESIDE GEM & MINERAL CLUB, INC.
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Next Club Meeting: May 7, 2014, 6:30 social, 7:00 p.m. meeting

- Program: *Cost Saving Tools for Silversmithing*. Presenter: Dennis Wall
- Bragging table theme: cost saving ideas for rock hounds and jewelry makers

Features this issue:

- LGMC Earth Month Displays in area libraries
- May and June Regional Events; Club resources
- Library feature of the month: *The World of Fluorescent Minerals*



Club Affiliations:

American Federation of Mineralogical Societies (AFMS)
Northwest Federation of Mineralogical Societies (NFMS)
American Lands Access Association (ALAA)

<http://www.amfed.org>
<http://www.amfed.org/nfms>
<http://www.amlands.org>

Member: Tri-Cities Visitor and Convention Bureau