



WAYNE COUNTY GEM AND MINERAL CLUB NEWS

Volume 39 #10 October 2011



2010-2011
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President's Message



Baby it's cold outside...33⁰ this morning. Better check that the porch isn't iced over. It's too early for this stuff. Luckily, it's going to be MUCH warmer for the Walworth Dig this weekend. Mike Bagney tells me they blew some new stuff down for the rock hounds to go through AND they have the big rock smasher up and running and available to anyone who asks them for help with that particularly pesky boulder.

Hopefully, the rain has washed the dirt away but it's been known to be very slick on the rocks[frozen dew possible] so bear that in mind as your work on those piles. A Club presentation to Mike will occur at 6:45 AM on Sat. Oct. 8th so we're encouraging any and all to show up to help thank him for his outstanding effort to accommodate rock hounds in times when other quarries or shutting their doors to us. Coffee, doughnuts and a nearby bathroom are the basic eye openers. Bring your favorite drink, sunscreen, snack & PPE. Personal Protective Equipment needed are sturdy shoes, hard hat or bicycle helmet, and eye protection. Other Suggestions: gloves, hammer & chisel, flashlight [to check out those vugs], long sleeves and pants & safety colors worn.

Think safety & remember WWMMS! [What Would My Mother Say?]

Have fun and hope to see you soon!

Pat



Daylight Saving Time Doesn't End Until Nov. 6th so go back to sleep...



WCGMC Monthly Meeting Minutes

9-9-11

7pm our meeting started with Stephanie Mason..She educated us on magnetic rocks. There are many different igneous minerals, .feldspar, quartz, mica, auquite, .olivine....iron oxide are all igneous rocks. She also educated us about our magnetic field and how rock age can be determined by its "magnetic memory". Thank You Stephanie !!

Our club picnic at Linda's was wonderful , thru rain, a tornado,... all was fine.... and the food was wonderful.

A field trip is planned to ace of diamonds tomorrow...9/10/11 and the club will camp at Crystal Grove.

Bill Lesniak gave the treasures report. A copy has been filed for audit.

Bill Chapman has Marion Wheaton's tools & minerals for sale ...microscope, minerals etc. Susie Hoch wants to see them.

November 11/11/11 is the November meeting open house for the children.

The Financial Audit will be done between 11/11/11 & 11/19 with the help of Linda Schmidtgall, Dan Schiltz, and Sue Hoch.

Susie is checking on the next show.....Is there room for a straw draw? Room for the sluice? Susie and Linda will do a display on Bancroft Ontario. Susie will do a Fossil and snail display. Bill Chapman suggested the children do a display on trilobites. Bill Chapman and Linda will teach soapstone carving at the show. Linda will make them into smaller pieces, before the show. Pat C. will e-mail members to notify them of the show.

Bill L. got an email from Jesse Sackett, he is an organizer at the Glendon dig.(for pyrite)

Pat made a motion to adjourn, Linda seconded it.

Respectfully Submitted,
Eva Weiler

Eastern Federation Of Mineralogical and Lapidary Societies, Inc.

Affiliated with the American Federation of Mineralogical Societies, Inc.

With an eye towards increasing exhibiting at your club show and among your members, the Eastern Federation is pleased to donate the enclosed copy of Exhibiting – The Show Biz Aspect of the Hobby to your club library. Written by EFMLS Past President Pat Mummert and Bill Shelton, the contents are designed to give exhibitors some help in setting up their display cases and to take the fear out of doing so.

We hope that you will encourage your members to borrow, read and use the book.

Additional copies may be obtained for \$2.00 each plus postage from the EFMLS Supplies Chair,
Suzie Milligan, 931 Carmichael Rd., Owego, NY 13827-3320.

A complete listing of all EFMLS supplies can be found on page 85 (inside back cover) of the 2011 EFMLS Directory mailed to you in March.

Betsy Oberheim

EFMLS President

*WCGMC : We received this and a free copy this week. Contact Ken Rowe, club librarian, to check it out.

Comets created Earth's oceans, study concludes

By Charles Q. Choi

updated 10/5/2011 6:22:50 PM ET

http://www.msnbc.msn.com/id/44792926/ns/technology_and_science-space/

The dirty snowballs known as comets might be the sources of Earth's water after all, scientists say. Water is critical to life on Earth— life is found virtually wherever there is water on our planet. Researchers have spent decades debating where Earth's water and other key ingredients of life came from.

Prior studies had suggested that early Earth was dry, lacking water and other so-called volatile materials.

Now Earth-like water has been discovered in the small oddball comet Hartley 2, which the Deep Impact/EPOXI spacecraft flew by in November 2010. This comet originated in the disk-shaped Kuiper belt, a region of the solar system beyond the orbit of Neptune, suggesting this is ultimately where much of Earth's water came from.

"When the Earth formed it was so hot that most volatiles escaped to space, so when the Earth cooled down it was dry," said study lead author Paul Hartogh, a planetary scientist at the Max Planck Institute for Solar System Research in Katlenburg-Lindau, Germany. "Water and other volatiles must have been delivered at a later stage."

Earth water from comets?

Comets are natural candidates for the original sources of the world's seas, loaded with ice as they often are. However, computer models of how the solar system formed have suggested that asteroids actually were the source of most of the planet's oceans, with comets delivering no more than 10 percent of Earth's water.

To identify the original sources of Earth's oceans, scientists compared isotopes of the hydrogen

found in the planet's water to isotopes of hydrogen seen in extraterrestrial bodies such as comets. All isotopes of an element have the same number of protons, but each has a different number of neutrons — for instance, regular hydrogen has no neutrons, while the hydrogen isotope known as deuterium has one neutron.

Scientists used the European Space Agency's Herschel Space Observatory to observe the ratio of deuterium to regular hydrogen in comet Hartley 2. In Earth water, about 1,558 deuterium atoms are seen per 10 million regular hydrogen atoms.

Comets, icy water-bearers

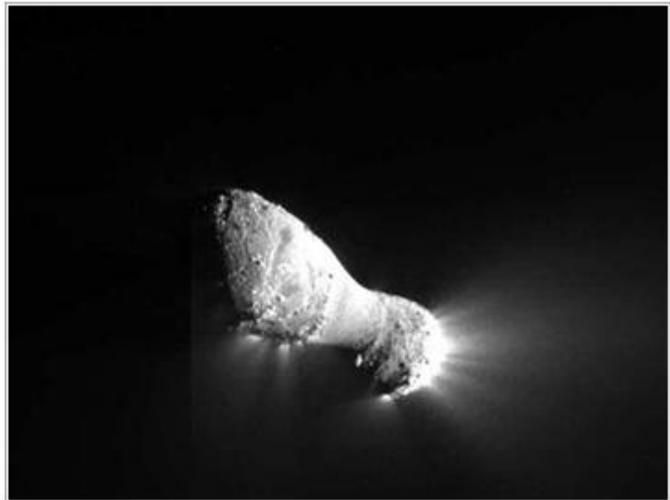
Past measurements of six comets from the giant spherical Oort cloud beyond the Kuiper belt saw about 2,960 deuterium atoms there per 10 million regular hydrogen atoms, which had suggested they were not the source of Earth's water. Prior [studies of meteorites](#) known as carbonaceous chondrites originating from asteroids had water more like that seen on Earth, with about 1,400 deuterium atoms per 10 million regular hydrogen atoms.

Now researchers find that water seen in Comet Hartley 2 is very close to Earth's, with about 1,610 deuterium atoms per 10 million regular hydrogen atoms.

"With our finding it may be that more than 10 percent and perhaps all water on Earth possibly stems from comets," Hartogh told Space.com.

It may be that all bodies in the inner solar system get their water from these comets. Sampling a larger number of comets for their deuterium-hydrogen ratios could shed light on the matter, Hartogh said.

The scientists detailed their findings online Oct. 5 in the journal Nature.



NASA / JPL-Caltech / UMD
A stunning close-up photo of Comet Hartley 2 from the November 2010 flyby performed by NASA's Deep Impact spacecraft.

Wayne County Gem & Mineral Club, Inc.

Meetings held 2nd Friday of each month
Mini-Miner Program at 6:30 P.M.
Regular Program & meeting at 7:00 P.M. at
Park Presbyterian Church
Maple Court, Newark, NY 14513

WEBSITE: www.wcgmc.org

Organized: 1973 Incorporated: 1976

Objective: To stimulate interest in earth sciences,
collecting, classification of minerals, & in the art of
gem cutting.

Fiscal Year: Oct. 1st to Sept. 30th

Dues: Due Oct. 1st.

Juniors or students [18 yr.> w/o parent in club] \$10.00

Single Adult [over 18 years old] \$15.00

Family Membership [includes 2 adult votes & kids] \$20.00

Send dues to WCGMC

PO Box 4, Newark, NY 14513

Affiliated with the American Federation of

Mineralogical Societies [A.F.M.S.] www.amfed.org

The Eastern Federation of Mineralogical

& Lapidary Societies [EFMLS] www.amfed.org/efmls

The Eastern Field Trip Alliance [E.F.T.A.] www.efta.biz



WCGMC -
Always looking For New
Places to Dig!

Upcoming Events

October

8th & 9th Dolomite Open House 1200 Atlantic Ave. Walworth, NY 14568
Sat. 6:45 AM WCGMC Presentation

6:50 AM Safety Meeting & sign in Sat. Dig is 7AM until 2 PM.

Sun. 6:50 AM Safety Meeting & sign in Sun. Dig is 7AM until Noon
Restroom facilities available. PPE required hard hat (children may
wear bicycle helmets), safety glasses, sturdy boots. Specimens to found
fluorite, dolomite XLS, sphalerite glacial polish.

**10th WCGMC Field Trip- Checking Honeoye creeks for turtle
stones [septarian nodules]**

Meet at Canandaigua McDonald's at 9AM. Questions?

Call Field Trip Coordinator: Bill Chapman 607-868-4649

14th WCGMC Monthly Meeting Program: metal detectors ⇨

⇨ **Note: Meeting is next week.**

22nd & 23rd Rochester Gem, Mineral, Jewelry & Fossil Show
Monroe Co. Fair & Expo Center "Earth Bling"

Sat. 10-6 & Sun 10-5 www.rasny.org/show

22nd WCGMC-Cub Scout Event: Volunteers Needed:

Contact Bill Lesniak at 315-483-8061

31st Happy Halloween!



First Class: Dated, Meetings & Time Valued

The Public is Always Welcome



Wayne County Gem and Mineral Club
P.O. Box 4
Newark, New York 14513