

Michigan Geological Survey Report 10 from the K-12 Outreach Director, Peter Voice [May 23, 2014]

New Items:

1. May 9: Contacted by Katie Bir, Sturgis District Library – I sent her copies of our brochures and a short description of the program.
2. May 9: Sarah Bruha, Auburn Elementary School sent me additional information for her scheduled school visit (76 students).
3. May 9: Renewed my membership with the National Science Teachers Association (Membership: \$75.00)
4. May 9: I was contacted by Brittany Chunn (Program Manager, University of Michigan Museum of Natural History) to discuss possible collaborations. They would like us to help out with their Geology Day events (currently scheduled for Nov. 19, 2014 and March 18, 2015. They get ~150-200 students for each day (Mostly 2nd-6th grade level). I expressed interest and told her that I would get back to her once we figured out our funding situation for next year.
5. May 9: Presented Report 9 to the Survey Committee.
6. May 12: Contacted by Anessa Martin (Polk Elementary School, Dearborn Heights) – with regard to scheduling an event. I had previously contacted her with dates, unfortunately the date she picked was already booked, so we are still working on scheduling her class visit.
 - a. Scheduled a school visit to Polk Elementary School for May 30th. 6 sessions of 3rd grade. Michigan Geologic History Module. 168 students.
7. May 12: Contacted by Shada Biabani (Michigan Aggregate Association), who thanked me for sending another teacher contact to her.
8. May 20: Received feedback forms from both the Greater Heights Academy visit on May 8 and the Upton Middle School visit on May 13-14.
 - a. Updated metrics for Module scores
9. May 20: Finished scheduling Polk Elementary School visit – after confirming enough staff to handle two events on May 30.
10. May 20: Contacted by Pnina Ari-Gur who wanted to schedule a MGRRE visit for her Summer Camp – 10-12 students (6th grade and up, some time the week of June 23). I am waiting to hear back from her on specific details.
11. May 20: Additional responses on attendance to the MGRRE Online Education Portal Workshop II: Matthew Baleja (Paw Paw Public Schools), Keith Lang (Sturgis High School), Julie Young (Loy Norrix High School), Jenni Snider (Marshall Greene Middle School), and Pam Opolsky (Academy of International Studies).

12. May 21: Met with Heather Petcovic and Brian Horvitz to discuss the upcoming MGRRE Online Portal Workshop II
 - a. Developed agenda and outline
 - b. Developed Core Exercise idea
13. May 21: Met with Kathy Wright and Heather Petcovic to discuss the upcoming MGRRE Online Portal Workshop II
 - a. Discussion of travel authorization for participants
 - b. Discussion of catering
 - c. Discussion of student staffing for the event
14. May 21: Met with Bill Harrison to discuss the MGRRE Online Portal Workshop II Core Exercise
 - a. Gathered geologic data for support of project
15. May 21: Edited Workshop II documents from Heather Petcovic.
16. May 21: Contacted by Brittany Chunn (U of M, Museum of Paleontology) – she asked if we could be available for two of their summer camps (July 3 and August 12).
17. May 21: worked on scheduling staffing for upcoming CoreKids events – met with Ann Gilchrist, Dawn Caldwell and Zakk Waber.
18. May 22: Sent out Welcome letter, Workshop I summary and a Survey to the list of people interested in attending the second workshop.
 - a. Also performed several administrative tasks for the workshop – updating the contact list
 - b. Already received confirmations of attendance from Ardis Herrold and Keith Lang.
19. May 22: Wrote a letter of recommendation for Steve Barone for DeWitt High School Science Teacher position.

Current Totals

Total K- 12 Student Interactions – Youth Groups and School Visits (As of July 2013)	2,869
Total Adult Interactions (As of July 2013: Chaperones and teachers at events)	86
WMU Hydrogeology Field Trip; CMU Petroleum Geology Class (College Students); Saudi Arabia Geological Survey Visit; WMU Geology Club, MBGS Meeting, Michigan Oil and Gas Association Meeting	236
Conferences (Teachers Associations, Teachers Workshop; Other Professional Groups)	723
K.G.M.S. Seminar Series, etc.	3343
Cranbrook Institute Events (Rouge River Festival 2013, Fossil Festival, Earth Week Festival)	5,220

DEQ Earth Day Festival:	2,300
<u>Total:</u>	<u>14,777</u>

Projected Totals of Upcoming Events

Scheduled School Visits:	356
K.G.M.S. Seminar Series May Event	30
Branch Co. Library System	150?
Kalamazoo Air Zoo Summer Events	40?
<u>Total Projected:</u>	<u>576</u>
<u>Total Projected + Actual</u>	<u>15,353</u>

a. Past Outreach Events (During Voice Tenure as Director, K-12 Outreach)

- i. July 30th – Cub Scout Group, Kalamazoo MGRRE Tour
- ii. Aug. 5th – WMU Hydrogeology Camp MGRRE Tour
- iii. Aug. 22nd – Lego Robotics League MGRRE Tour (Natural Hazards – Impacts Module)
- iv. Sept. 11-13th – Cranbrook Institute of Science Rouge River Festival (Hydrogeology Module)
- v. Oct. 4-6th – Michigan Earth Science Teacher Association/Michigan Alliance of Environmental and Outdoor Educators Annual Meeting
- vi. Oct. 14th – Loaned Module to Kalamazoo Geological and Mineral Society for a School Visit – Star Elementary, Plainwell
- vii. Oct. 21st – Scheduled School Visit - St. Mary Visitation School, Bryon Center (Michigan Geologic History Module)
- viii. Oct. 25th – Petroleum Geology Class, Central Michigan University – MGRRE Tour
- ix. Oct. 30th – Kalamazoo Reformed Heritage Christian School MGRRE Tour
- x. Nov. 1st – MGRRE Online Education Portal Workshop
- xi. Nov. 1st - Okemos High School Geology Class MGRRE Tour
- xii. Nov. 5th – Saudi Arabia Geological Survey MGRRE Tour
- xiii. Nov. 11th – Scheduled School Visit, Upton Middle School, St. Joseph (Michigan Geologic History Module)
- xiv. Nov. 12th and 14th – Scheduled School Visit, Gull Lake Middle School (Michigan Geologic History Module)

- xv. Nov. 16th – Kalamazoo Geological and Mineral Society Lecture Series – MGRRE talk and tour
- xvi. Nov. 18th – Scheduled School Visit, St. Francis School of Ann Arbor (Michigan Geologic History Module)
- xvii. Nov. 20th – WMU Geology Club Tour
- xviii. Dec. 11th – Scheduled School Visit, St. Francis of Ann Arbor (Natural Hazards – Earthquakes Module)
- xix. Dec. 12th-13th - Scheduled School Visit, Upton Middle School, St. Joseph (Natural Hazards – Earthquakes Module)
- xx. Dec. 26th – Dec. 30th – Cranbrook Institute of Science Fossil Festival (Michigan Fossils Module)
- xxi. Dec. 30th – Kalamazoo Air Zoo Digging Michigan Camp (Michigan Fossils Module)
- xxii. January 18th – WMU STEMulating Career Day (Michigan Geologic History Module)
- xxiii. Jan. 21st – Scheduled School Visit, Gull Lake Middle School (Natural Hazards: Earthquakes Modules)
- xxiv. Jan. 22nd – Scheduled School Visit, Gull Lake Middle School (Natural Hazards: Earthquakes Module)
- xxv. Jan. 25th – Dr. Hampton borrowed CoreKids equipment for outreach event with a Webelos Scout Pack.
- xxvi. Feb. 8th – Kalamazoo Geological and Mineral Society Seminar Series (MGRRE)
- xxvii. Feb. 11th – Grand Haven Public Schools – MGRRE Tour
- xxviii. Feb. 14th – Scheduled School Visit, Berkshire Middle School
- xxix. Feb. 28th – Schedule School Vist, Gull Lake Middle School
- xxx. Mar. 3rd - Scheduled School Visit, Gull Lake Middle School
- xxxi. March 5th—Scheduled School Visit, Hastings Middle School
- xxxii. March 6th -8th -Michigan Science Teachers Association Annual Meeting
- xxxiii. March 17th – Scheduled School Visit, Mattawan Middle School (Tom Howe)
- xxxiv. March 18th – Scheduled School Visit, Okemos High School
- xxxv. March 19th -20th – Michigan Section of the Petroleum Technology Transfer Council Spring Meeting
- xxxvi. March 28th – Scheduled School Visit, Lake Shore High School
- xxxvii. April 1st – Scheduled School Visit, Northwestern Middle School, Battle Creek
- xxxviii. April 8th-11th – Cranbrook Earth Week Festival?
- xxxix. April 9th – Hydraulic Fracking Demo at MBSG Meeting
 - xl. April 15th – Scheduled School Visit, Detroit Public Safety Academy [Hydrogeology Module]
 - xli. April 17th – Michigan Oil and Gas Association 12th Annual Michigan Petroleum Geology Conference
 - xlii. April 22nd -Michigan Dept. of Environmental Quality Earth Day Event
 - xliii. April 24th-25th -North-Central GSA Section Meeting
 - xliv. May 2nd -4th -Kalamazoo Geological and Mineral Society Annual Show

- xlv. May 8th – Scheduled School Visit, Greater Heights Academy [Michigan Geologic History and Natural Hazards: Volcanoes Modules]
- xlvi. May 12th – 13th – Scheduled School Visit, Upton Middle School [Hydrogeology Module]

b. Upcoming Events

- i. May 22nd -23rd – Scheduled School Visit, Thornapple Kellogg Middle School [Natural Hazards: Earthquakes Module]
- ii. May 24th – K.G.M.S. Grand Ledge Trip
- iii. May 27th – Auburn Elementary School, Auburn Hills [Michigan Fossils Module]
- iv. May 27th – Polk Elementary School, Dearborn Heights [Michigan Geologic History Module]
- v. May 29th – Science Night, El Sol Elementary, Kalamazoo [Modified Michigan Geologic History Module]
- vi. May 30th - MGRRE Online Education Portal Workshop II
- vii. June 2nd (and maybe June 3rd) – Moorsbridge Elementary (Portage), St. Arnaud’s class [Michigan Geologic History and Sand Dunes]
- viii. June 18th – Quincy Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- ix. June 18th – Algansee Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- x. July 3rd – University of Michigan Museum of Paleontology Summer Camp
- xi. July 8th – Kalamazoo Air Zoo Eco Explorers Camp – on main campus
- xii. July 9th – Coldwater Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- xiii. July 10th – Bronson Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- xiv. July 10th Sherwood Branch, Branch Co. District Library [Natural Hazards: Volcanoes Module]
- xv. July 11th – Union branch, Branch Co. District Library [Natural Hazards: Earthquakes Module]
- xvi. July 16th – Kalamazoo Air Zoo Eco Explorers Camp – at Air Zoo
- xvii. July 17th – Coldwater Branch, Branch Co. District Library [Natural Hazards: Earthquakes Module]
- xviii. August 12th – University of Michigan Museum of Paleontology
- xix. August 12-16th – Michigan Science Teachers Association Annual Meeting

c. Fall Events (Tentative)

- i. Sept. 9-12. The Cranbrook Institute of Sciences Rouge River Festival
- ii. Oct. 10-12. Michigan Mineralogical Society Annual Show
- iii. Nov. 4. K.G.M.S. Club Meeting at MGRRE

- iv. Nov. 7-8. Gull Lake Community Schools Foundation – Sparks Series, Science and Engineering Fair.
- v. Nov. 8 Metropolitan Detroit Science Teachers Association Meeting
- vi. Nov. 19: U-M, Museum of Natural History Geology Day
- vii. March 18, 2015: U-M, Museum of Natural History Geology Day

d. Working on scheduling

- i. Grant Public Schools
- ii. Walled Lake Girl Scouts
- iii. Mr. Brook's Brownie Troop, Kalamazoo Area
- iv. St. Paul Catholic School, Grosse Pointe Farms
- v. Arcadia Elementary School 2nd graders – Rood Hall tour.
- vi. DEQ Office of Oil, Gas and Minerals – hydraulic fracking module demonstration
- vii. Mason Middle School
- viii. Caroline Chuby's class in Detroit area
- ix. WMU College of Engineering Summer Camp (through Pnina Ari-Gur's outreach program)