

Michigan Geological Survey Report 23 from the K-12 Outreach Director, Peter Voice, June 23rd, 2017

New Items:

1. Nov. 30th – presented Report 22 to the Director of the Survey
2. Dec. 2nd – exchanged emails with Sita Karki – updates to CoreKids website
3. Dec. 4th – exchanged emails with Kandiah Balachandran (Bala) – Kalamazoo Valley Community College – he wanted to discuss outreach on Earthquakes – I sent him a couple of websites.
4. Dec. 6th – exchanged emails with Keith Agdanowski (KGMS) – he asked if the society had left a projector at MGRRE – I informed him that they did and arranged with Jenny for him to pick it up.
5. Dec. 8th – exchanged emails with Mark Francek (MESTA) – he was looking for information on undergraduate online courses for a student of his at CMU.
6. Dec. 8th – exchanged emails with Tom Howe, Linda Harrison, Duane Hampton and Mohamed Sultan – there was a request for a groundwater model for the EUP program for Florida – Tom took care of it.
7. Dec. 10th – exchanged emails with Kathy Wright – she had been contacted by Kalamazoo Country Day School – looking for a student to give a presentation to a class.
8. Dec. 15th – exchanged emails and phone calls with Air Zoo staff – organized event. Sent emails out to CoreKids staff enlisting their help with these events.
9. Dec. 22nd – Scheduled CoreKids event at Kalamazoo Air Zoo
10. Dec. 30th – Jan 2nd – Jan 4th – Exchanged emails with Lisa Winniger (Plainwell Middle School) – she wanted to arrange tours of MGRRE for her classes. Three MGRRE visits tentatively scheduled for Jan. 24, 26, and 31st.
11. Jan. 5th – Scheduled CoreKids event, Kalamazoo Air Zoo
12. Jan. 6th – exchanged emails with Hannah Pankratz – she passed on the news that the Jan. 5th Air Zoo event was attended by roughly 100 people.
13. Jan. 9th – exchanged emails with Joan Crockett (Illinois State Geological Survey and Eastern Section AAPG) – she solicited nominations for the section’s annual teachers award – I reached out to MESTA stating that I could help write the nomination if they had a teacher in mind. Joan also asked me to help out with Eastern Section’s Outreach Committee – I said yes.
14. Jan. 12th – Linda Dull (Branch Library System) reached out to me to ask whether CoreKids could help out with their summer programming – I informed her that I would use up my funds before then.
15. Jan. 12th – received email from Eric Wildfang (DEQ) with the registration materials for Earth Day.
16. Jan. 18th – exchanged emails with Nancy McKenzie (Kentwood Public Schools) – she requested a display for their Family Discovery Night – I was unable to schedule the event.
17. Jan. 20th – Jan. 23rd – exchanged emails with Lisa Anderson (MSU Extension Program) – she wanted an update on whether I planned on attending NC-GSA and whether we could continue

to collaborate on the GO-MPS group. I said no that I wasn't attending. She was going to work with Polly Sturgeon (Indian Geological Survey) to make sure the GO-MPS kept going. I also passed onto the ES-AAPG teacher nomination material to send out to teachers that she works with.

18. Jan. 30th – Exchanged emails with Johnson Haas, Dan Cassidy, Robb Gillespie and Tom Howe about setting up a meeting of the Department's Outreach Committee.
19. Jan. 30th – exchanged emails with Joan Crockett (Illinois Geological Survey, ES-AAPG) – she requested an update on who I contacted about the Society Teacher award – as she hadn't received any nominations.
20. Jan. 31st – exchanged emails with Tom Howe – he had scheduled an outreach event with an elementary school in Hannover, MI. I allowed him to borrow CoreKids equipment for the event.
21. Feb. 2nd – received an email from Amanda Hayden (former WMU alumna at Vertex Engineering) – she wanted to solicit a proposal for supporting a CoreKids event through her Company's foundation.
22. Feb. 2nd – scheduled CoreKids event – Concord Elementary. 43 students. Event coordinated by Tom Howe. Michigan Geologic History Module.
23. Feb. 5th – received email from Evan Yang – he was requesting a reference for Zachary Waber – I filled out the reference and sent it in.
24. Feb. 6th – exchanged emails with Mike Velbel (MSU) about arranging a class tour of MGRRE – scheduled tentatively for Feb. 25th.
25. Feb. 6th – Tom Howe forwarded me the evaluation form for his outreach event.
26. Feb. 7th-9th – exchanged emails with Eric Wildfang requesting clarification on the DEQ Earth Day registration form.
27. Feb. 7th - Exchanged emails with Johnson Haas, Dan Cassidy, Robb Gillespie and Tom Howe about setting up a meeting of the Department's Outreach Committee.
28. Feb. 7th – exchanged emails with Erin Lewis (Kalamazoo Air Zoo) - tentatively scheduled Air Zoo event on March 25th.
29. Feb. 8th – exchanged emails with Kristi Kusek, Fennville K-8 Charter School teacher – replied that I did not have funds for school visits.
30. Feb. 17th – exchanged emails with Sita Karki about printing CoreKids overview posters for a joint Survey-MGRRE presentation to legislators.
31. Feb. 21st – exchanged emails with Mitzi Fitzpatrick (Constituent Services Representative for Congressman Fred Upton) – we discussed CoreKids outreach to Home school groups.
32. Feb. 22nd – exchanged emails with Karin Fender (Mattawan Middle School) – she requested a CoreKids visit to her school – we were unable to accommodate them.
33. Feb. 23rd – exchanged emails with Mary Jo Warwick (Washington Writer's Academy) – I sent my regrets that we would be unable to help out with their Career Day this year.
34. Feb. 24th – exchanged emails with Chuck Schepke – he wanted to arrange a MGRRE tour for his class on March 8th – I tentatively agreed.
35. Feb. 25th – Scheduled MSU class visit to MGRRE – 30 students.

36. March 1st – exchanged emails with Laura Weber (WMU) – she put together the proof of liability insurance form – for the DEQ Earth Day event. I submitted the registration to Eric Wildfang – after receiving the liability form.
37. March 1st – exchanged emails with Keith Agdanowski about doing a CoreKids event for a home school group. Worked on setting up a tentative date.
38. March 2nd – exchanged emails with Keith Agdanowski – tentatively set date of March 23rd for his corekids visit.
39. March 7th–March 10th– exchanged emails with Linda Hensel (MI-AIPG) – she was looking for a potential speaker for the April joint MI-AIPG-MBGS meeting. I volunteered to do it – but Peter Rose (MBGS) found a different speaker.
40. March 8th – Scheduled MGRRE Visit – Roscommon Highschool – 8 students
41. March 14th – exchanged emails with a WMU student, Trista Straube – she had brought back samples from near the Grand Canyon, and wanted help to identify them (Mohamed Sultan and Joyashish Thakurta were also involved with the thread of emails). I set up an appointment to meet with her (March 17th) and was able to identify the minerals – several Cu-bearing minerals.
42. March 16th – exchanged emails with Erin Lewis (Kalamazoo Air Zoo) about the March 25th event.
43. March 20th – exchanged emails with Keith Agdanowski – asking for confirmation of location of March 23rd event.
44. March 22nd – exchanged emails with Jerry VanNocker (KGMS) about logistics for the KGMS Annual Show.
45. March 25th – scheduled CoreKids event Kalamazoo Air Zoo – 50 children.
46. March 28th – sent out emails to CoreKids staff to start working on scheduling people for the upcoming big events.
47. April 3rd–April 6th– exchanged emails with Pam Howd and John Esch (DEQ) – Pam solicited mineral cards as gifts for the winners of the poster contest at the DEQ Earth Day. I put together 15 cards and sent them out to her.
48. April 19th – exchanged emails with John Esch, Mark Wollensak and Mark Nida (MBGS) – they wanted to share the CoreKids booth – we were able to arrange with Eric Wildfang for both groups to use three tables.
49. April 20th – scheduled CoreKids event – DEQ Earth Day – had a booth for the entire event (myself and 3 students manned it). Totals will be updated when Eric Wildfang sends out the data.
50. April 20th – exchanged emails with Robin St. Arnauld (Moorsbridge Elementary School) – I had to inform her that we would be unable to help with her school event.
51. April 24th – exchanged emails with Jerry VanNocker – requesting update on logistics for the KGMS event.
52. April 25th – exchanged emails with Marty Goodman – sent my regrets that we would be unable to attend the Tech-Savvy conference.
53. April 27th – exchanged emails with Linda Hensel (MI-AIPG) – she had sent the CoreKids funding proposal out to the rest of the executive committee of MI-AIPG.

54. April 28th – received updated statistics for the DEQ Earth Day event from Eric Wildfang – 2,300 children, parents and teachers attended the event.
55. April 28th – exchanged emails with Amy Ashford (Kingston Schools) – she sent feedback on the CoreKids website and requested a resource be added to the rocks and minerals page.
56. May 2nd – exchanged emails with Laura Cross (Kalamazoo Air Zoo) – she wanted to tentatively schedule a CoreKids event. I explained that I was out of funds after the KGMS event and that I would try to get back to her when I knew I had funds.
57. May 2nd – exchanged emails with Pam Howd and John Esch (DEQ) – Pam provided feedback on the mineral cards.
58. May 5th-7th – Scheduled CoreKids event – Kalamazoo Geological and Mineral Society Annual Show. Statistics will be updated when I get the feedback from Jerry VanNocker.
59. May 7th – Scheduled CoreKids event – Boy Scout troop tour of MGRRE – organized by Robb Gillespie. 30 kids and parents.
60. May 10th – exchanged emails with Jerry VanNocker (KGMS) – he wanted to know what kind of funding CoreKids would need to continue funding our help at the KGMS annual show. I sent him my budget for the event.
61. May 11th – met with Steve Kaczmarek – discussed a NSF teachers workshop that he has funding for. Started working on advertising the workshop to teachers. Workshop scheduled for August 9th.
62. May 11th–May 15th– exchanged emails with John Yellich – he requested a bio and abstract for the fall MBGS – MGRRE meeting – I had tentatively volunteered to be the speaker at the Sept. meeting. I sent him the bio and abstract.
63. May 12th – exchanged emails with Karen Robyn (MICareerQuest Southwest) – we talked about CoreKids attending the event. I secured permission from John Yellich to reserve Survey funds to support having staff manning a booth at the event.
64. May 15th – exchanged emails with Steve Kaczmarek – he had a draft workshop flier for us to look over. I sent the flier out to MESTA, MDSTA, MSTA and MAEOE that day.
 - a. Andrea Williams (MESTA) sent it out to her group that afternoon.
65. May 15th – exchanged emails with Caleb Miller – he wanted to sign up for the workshop.
66. May 15th – exchanged emails with Leslie Montgomery (Bemis Junior High) – she wanted to sign up for the workshop
67. May 15th – exchanged emails with Dave Chapman (Okemos High School) – signed him up for the workshop.
68. May 16th – exchanged emails with Angela Bowen (Joy Preparatory Academy) – signed her up for the workshop.
69. May 16th – exchanged emails with Torrey Wenger, Bloomington Public Schools – signed up for the workshop.
70. May 16th – exchanged emails with Heather Petcovic and Steve Kaczmarek – to set up a planning meeting for the teachers workshop.
71. May 17th – exchanged emails with Tracy Cropsey (Marcellus Community Schools) – signed up for the workshop.

72. May 17th – exchanged emails with Suzanne Lutwick (WMU Foundation), Suzanne Beals (WMU Development and Alumni Relationships) and Kathy Wright – set up fundraising meeting for CoreKids.
73. May 17th – exchanged emails with Lisa Anderson – we talked about setting up a session at next spring's NC-GSA meeting.
74. May 18th – exchanged emails with Michelle Gates – she wanted to know if I needed to update the CoreKids webpage.
75. May 19th – exchanged emails with David Lattas (Camp Bold Eagle and Camp Killarney) – signed him up for the workshop.
76. May 19th – exchanged emails with Zakiya Jackson (Detroit Public Schools) – provided information on the workshop.
77. May 23rd – met with Heather Petcovic and Steve Kaczmarek – discussed science standards and our plan for the teachers workshop
78. May 23rd – May 24th – exchanged emails with David Shane (MI Section, American Association of Physics Teachers) about the workshop – he sent the flyer out to his membership.
79. May 24th – May 25th – exchanged emails with Sita Karki – asked her to update the CoreKids map. She and Guzalay Sataer worked on it and sent a new draft May 25th.
80. May 29th – responded to a request for information on Mi clay. Linda Harrison forwarded me Deb Perry's request. I sent her some older publications on glaciolacustrine clays and the brick industry in MI.
81. May 30th – met with Suzanne Beals and Kathy Wright – discussed fundraising for CoreKids from WMU alumni. Later in afternoon forwarded to Suzanne the requested materials on what CoreKids is, what it does and what it needs in terms of funds.
82. May 30th – exchanged emails with Lisa Anderson – she will prepare a session proposal to submit to NC-GSA for the annual meeting.
83. May 30th – exchanged emails with Modhi Alshehri (Kalamazoo Area Math and Science Center) – signed up for teachers workshop.
84. May 30th – exchanged emails with Vance Nannini (Divine Child High School) – signed him up for the teachers workshop.
85. May 31st – exchanged emails with Leslie Ann Burseson (Western International High School) – signed her up for the teachers workshop.
86. June 1st – exchanged emails with Kathy Wright and Mohamed Sultan – provided detailed list of my activities as Director of K-12 Outreach.
87. June 1st – exchanged emails with Joe Ficht (Michigan Youth Challenge Academy) – signed him up for the Teachers workshop.
88. June 1st – exchanged emails with Mike Sinclair (Kalamazoo Area Math and Science Center) – signed him up for the teachers workshop.
89. June 1st – exchanged emails with Jerry VanNocker – he sent the statistics for the KGMS annual event. 4,808 people attended the event.
90. June 5th – exchanged emails with Linda Hensel and John Yellich – answered some questions that Linda had about the CoreKids proposal to MI-AIPG.

91. June 8th – exchanged emails with Erika Carr (WMU Office of Pre-College Programming) and Kathy Wright – tentatively scheduled meeting for June 28th to discuss CoreKids program and WMU’s outreach and minor policies.
92. June 19th – exchanged emails with Lisa Anderson – read through the draft proposal for our GO-MPS session at NC-GSA. She sent it in.
93. June 19th – exchanged emails with Bryan Corkins (WMU alumnus) - he wanted advice on Earth Science teaching and careers in MI – as he was moving back into the area.
94. June 20th – exchanged emails with Jessica Smock (Lawrence Junior/High School) – signed her up for the workshop.
95. June 20th – exchanged emails with Steve Kaczmarek about scheduling a planning meeting for the Teachers workshop in early July – date still not scheduled.
96. June 21st – exchanged emails with Jennifer Billington (Parchment High School) – added her to the workshop.
97. June 23rd – discussed with Robb Gillespie a possible collaboration with the Kingman Museum (Battle Creek) – I forwarded him CoreKids brochures to pass onto the director of the Museum.

Event Totals July 1, 2016 to June 30th, 2017

Kalamazoo Air Zoo Events	222
MESTA Annual Meeting	20
Michigan Basin Geological Society Meeting	30
School Events	261
MSU Museum Fossil Day	690
MAEOE Field Trip	8
Central Michigan Mineral Show	1,014
MiCareerQuest-Southwestern Career Days	5,000
College Events	38
KGMS Meeting at MGRRE	30
MESTA Earth and Space Science STEM Career Day	400
Fall Science Update	14
Bedford Homeschool Group	10
DEQ Earth Day	2,300

Boy Scout Group	30
KGMS Annual Show	4,808
Total:	14,875

Past outreach events July 1st, 2016 to June 30th, 2017

- I. Aug. 1st – Kalamazoo Air Zoo
- II. Aug. 4th – MESTA Annual Meeting
- III. Aug. 29th – Kalamazoo Air Zoo
- IV. Sept. 16th – The Gagie School (MI. Geologic Resources Module)
- V. Oct. 9th – MSU Museum Fossil Day
- VI. Oct. 14th – MAEOE MGRRE Tour (Michigan Alliance for Environmental and Outdoor Educators Annual Meeting)
- VII. Oct. 18th – Starr Elementary School (Bill Mitchell – borrowed Core Pumps)
- VIII. Oct. 21st – Central Michigan Mineral Show School Day
- IX. Nov. 1-2nd – MiCareerQuest Day
- X. Nov. 2nd – KGMS Meeting at MGRRE
- XI. Nov. 3rd – The Gagie School (Mineral identification)
- XII. Nov. 5th – MSU class tour at MGRRE
- XIII. Nov. 11th – MESTA Career Day
- XIV. Nov. 11th – The Gagie School (Mineral and Rock identification)
- XV. Nov. 16th – Fall Science Update Conference, Grand Valley State University
- XVI. Dec. 22nd – Kalamazoo Air Zoo joint event
- XVII. Jan. 5th – Kalamazoo Air Zoo joint event
- XVIII. Jan. 24th – Plainwell Middle School MGRRE visit
- XIX. Jan. 26th – Plainwell Middle School MGRRE visit
- XX. Jan. 31st – Plainwell Middle School MGRRE visit
- XXI. March 8th – Roscommon High School MGRRE visit
- XXII. March 23rd – Homeschool event, Bedford, MI
- XXIII. March 25th – Kalamazoo Air Zoo Joint Event
- XXIV. April 20th – DEQ Earth Day Celebration
- XXV. May 5th – 7th – Kalamazoo Geological and Mineral Society Annual Show
- XXVI. May 7th - Boy Scout troop, MGRRE tour