

Friday, 23 April 2021 - 11:00 A.M.

NMGS Executive Committee Meeting Minutes – Q2 2021

Held online via Zoom video conference due to COVID-19 Pandemic

Reported by Kevin Hobbs

Attending

Dan Cadol
Adam Read
Kevin Hobbs
Shari Kelley
Talon Newton
Brian Hampton
Shannon Williams
Scott Baldrige
David Lemke
Bonnie Frey
Dan Koning
Diane Agnew

Open Meeting:

1. Called to order at 11:03 A.M. by Dan Cadol.
2. FFC Update
 - a. 2021 Mt. Taylor (Bonnie Frey, Shari Kelley): Bonnie's updates attached (Attachment 1). Road logs will be redone due to Laguna Pueblo not responding to Bonnie's requests for access. Day 1 will be slightly revised. Day 2 likely will change to a visit to Mesa Chivato instead of Laguna Pueblo. Lobo Ranch Manager has expressed interest in hosting the FFC on Lobo Ranch (east side of Mt. Taylor). FFC will highlight the recent Mt. Taylor Geologic Map, wherever it may happen. Bonnie says catering is changing, but all is well. Catering will include Grants High School Culinary Program students. Evening gatherings will happen at Grants Golf Course, which has a bar and bathrooms. FFC might use Lobo Ranch Lodge for an evening, as well. Sevilleta Land Grant managers have approved most FFC proposals for access to edge of Mesa Chivato.

Deadline for submitting road logs to Dana Ulmer-Scholle for proofing is in June.

The NMGS will send a survey to its members to gauge interest in the nature of the 2021 FFC w/r/t comfort with an in-person FFC. Adam Read has composed the survey and it will be mass emailed to NMGS members ASAP (this evening, perhaps). The survey asks members about what they expect, what they're comfortable with, etc.

The FFC Committee is investigating possibility of group camping for the FFC.

- b. 2022 Socorro (Dan Koning): Day 1 = Socorro to Quebrada Hills. Day 2 = Socorro to Ft. Craig and Bosque del Apache. Day 3 = San Lorenzo Canyon. Dan is trying to get necessary permission from Bosque del Apache for access to Chupadera Peak. Dan's interim 2022 FFC agenda is attached

as attachment 2.

- c. 2023 SE NM (Lewis Land): Report submitted via email (attached as Attachment 3).
3. Spring Meeting 2022 – proposal to coordinate with Ft. Stanton Cave Conference (Talon Newton, Dan Cadol): Talon states that 2021-2022 is the International Year of Karst. 2021 is the 20th Anniversary of the discovery of Snowy River Passage in Ft. Stanton Cave. Talon has already been planning a Ft. Stanton/Snowy River Karst Conference. Was supposed to be in 2020, but COVID cancelled it. Instead, it will be in Spring 2022. He and other conveners are considering having the Ft. Stanton conference run along with the NMGS Spring meeting. Ft. Stanton conference was to be at Macey Center as a 3-day conference with a Saturday field trip. The Ft. Stanton trip log is pretty much completed. Talon proposes that the NMGS Spring Meeting take place on Thursday, then the Ft. Stanton conference starts the next day (Friday) and include the Saturday field trip. Talon wants the committee to consider this proposal.

Discussion: the NMGS conference would be separate from the Ft. Stanton conference, but they would be geographically and temporally related. Some in the EC are worried that moving NMGS Spring meeting to Thursday would decrease attendance. Dan Cadol suggests that he and Talon put together a proposal for the EC to vote on. Scott Baldrige voices that it would be a good idea to pursue, though the logistics may prove challenging. Bonnie offers to help organize a mixer for the 2022 Spring Conference.

4. Webmaster Report (Adam Read): (Attachment 4 includes most of the report). Adam thanks the conveners of the 2021 Spring Conference for pulling off a new format with success. The ability to upload presentations from the Spring Meeting likely will carry over to future in-person meetings.
5. Upcoming videography workshop (David Lemke and Bonnie Frey): Bonnie has organized a workshop hosted by a student from UT Dallas(?) to learn effective videography techniques. The workshop will include a ½ day intro, ½ day shooting video in the field, and ½ day learning editing on the videos we shot. David Lemke hopes this will be a seed for future incorporation of videos into what the NMGS does. There is currently one slot open for the workshop. Discussion ensues; there is general excitement about the idea.
6. Spring Meeting 2021 review and lessons learned (Diane Agnew, Susan Lucas-Kamat): Adam Read learned some new techniques for coding the two-day meetings. In future virtual meetings, we should limit the maximum size of PowerPoint presentations, as some of the files at last week's meeting were far too large and led to lagging/not loading. Diane suggests making the PDFs of Powerpoints available to all meeting attendees both during the meeting and afterwards. Diane suggests that NMGS provide suggestions to presenters re: organizing a Powerpoint, graphics, etc.; this will help NMGS grow its students' skills and abilities. Adam says that there is a NMGS webpage on suggestions to presenters that needs to be updated. Diane suggests that NMGS should provide support to future spring meeting conveners so that more people outside the Bureau will volunteer to convene Spring Meetings. Diane suggests that there is a "bubble" in NMGS and that outsiders don't feel welcome; perhaps NMGS should consider ways to create more openness to outsiders. Susan raises the question: what is the benefit of NMGS membership? Susan states that for NMGS to survive, we need members but membership is declining. Where do professionals go after they graduate from NM geology programs? Diane and Susan both state that people don't maintain NMGS membership after they graduate. Susan suggests that having in-person meetings will automatically exclude many working people and therefore having virtual meetings might broaden NMGS's appeal outside its normal appeal. Discussion ensues; there is talk about having presentations publicly available before the meeting so that attendees can view them during the meeting. Diane suggests that the Spring Meetings need a committee that consists of more than just the

chairs and Adam Read. More discussion ensues. Bonnie suggests a mentorship program for future Spring Meeting and FFC conveners. Susan, Diane, and Shannon Williams will meet after this meeting to discuss frustrations regarding the Spring Meeting and how to make the NMGS more open to “outsiders” (NB, this is the self-applied term used by Diane Agnew).

7. Publication Committee Report (David Lemke): (see Attachment 5) Sales are better than they have been, but are still not great. \$1991.73 in Q1 sales. David has been working through Tom Giordino’s “History of Geology Program at NMSU” book; it is currently 85% ready. David is working through the difficult issue of how to handle the copyright.

David’s ideas for new publications include videography for FFCs; making web-based versions of NMGS FFC Road Logs (Guidebook 46, 51, and Mt. Taylor Day 1 are all complete).

Dan Cadol suggest discussion of changing the way that road logs are accessible; will continue discussion next EC meeting.

8. Proposed new outreach committee discussion (Dan Cadol): Susan Lucas-Kamat says that the idea for a committee on outreach arose from the Spring Meeting last week. She says a committee could focus on building membership, or K-12 education, or geology-adjacent groups.
9. Scholarship Committee: (Susan Lucas Kamat): (Attachment 6 from Susan Lucas-Kamat) Scholarship budget is in the black, largely because there were fewer-than-normal students at the Spring Meeting. Big question going forward concerns what will happen with the FFC (how many students will be allowed to attend; this will affect expenditures on FFC student scholarships). Perhaps this just means getting NMGS members in touch with local groups to give talks.

10. End of open meeting 1:58 P.M.

Closed meeting

1. Dan Cadol calls meeting to order at 1:59 P.M.
2. Dan moves, Shannon seconds that NMGS Secretary Kevin Hobbs be added to the NMGS Nusenda financial account for the duration of his term as secretary.
3. Approval of minutes (Dan Cadol). Dan Cadol moves to add to the Q1 minutes the following: Kevin Hobbs as NMGS Secretary will be added to the NMGS Nusenda Checking Account and add this to Q1 minutes. Shannon motions, Dan seconds, and minutes are approved.
4. Secretary Report (Kevin Hobbs): Some items are hanging from last meeting (approval of minutes and approval of budget for scholarships). Dan moves, Scott seconds, motion passes to accept Q4 2020 minutes.
5. Treasurer Report (Brian Hampton): Tax forms are coming in, and Connie Apache is sending those to Brian as they arrive. Dan Cadol has paid the \$10 nonprofit fee and the \$500 bond.
6. Vice Presidents Report: (Scott Baldrige): Scott had nothing to report at the most recent Board Meeting. The Board was very interested in the upcoming videography workshop. James Cearly expressed interest in being kept up-to-date on the upcoming FFC; Scott does not exactly know why. Scott and Connie will keep him posted. Scott wonders if the EC should send Diane

Agnew and Susan Lucas-Kamat a thank-you letter. Dan Cadol will send such letters.

7. President Report: (Dan Cadol) No report.
8. Past President Report (Shannon Williams): nothing to report.
9. Schedule 3rd quarter meeting: July 9 9:00 A.M.
10. Call for discussion: none.
11. Dan moves to adjourn, Shannon seconds the motion. Meeting adjourned 3:00 P.M.

First Quarter 2021 Executive Committee Email Business

10 February 2021: Dan Cadol **motions** that the EC accept the amended Q4 2020 Executive Committee Meeting minutes that were provided to the EC via email from Brian Hampton on 27 January 2021. **No votes are cast.**

12 March 2021: Dan Cadol informs EC that there is a request from Cynthia Connolly (Outreach and Education Manager for NMBGMR) for NMGS to co-sponsor the Excellence in Geoscience award at the NM State Science Fair in the amount of \$200. Dan motions that the EC donate \$200 for the award from the NMGS checking account. Kevin Hobbs **seconds** the motion. With 4 votes in favor, the motion **passes**.

24 March 2021: David Lemke introduces the idea of a videography workshop for NMGS members in order to address the likelihood that the 2021 FFC will be at least partially virtual. After discussion and Q&A, Kevin Hobbs **motions** and Dan Cadol **seconds** that the NMGS provide \$500 to match the \$500 donated by NMBGMR to pay for the workshop, to be held in Socorro in May 2021. The motion **passes** unanimously.

31 March 2021: Susan Lucas Kamat shares the 2021 NMGS scholarship budget, showing that students requested \$31,640.80 and the Scholarship Committee awarded \$30,500.00.

31 March 2021: At the request of Susan Lucas Kamat and Dianne Agnew (conveners of the 2021 NMGS Spring Meeting), Dan Cadol **motions** that the EC approve expenditure of up to \$1,000 for the purchase of software licenses to run the online spring meeting AND that the EC eliminate the registration fee for the Spring Meeting while still requiring membership in NMGS to attend. Scott Baldrige **seconds** the motion. The motion **passes**.

14 April 2021: Susan Lucas Kamat informs the committee that a coding error in the 2021 grant-in-aid application system resulted in a student's application being erroneously marked as incomplete and therefore not considered by the Scholarship Committee. The student provided documentation that the application was in fact complete and on time, which was confirmed by NMGS webmaster Adam Read. Susan wants the Scholarship Committee to review the application as it did all other complete and on-time applications, even though the deadline is passed, so that the student is treated fairly. Susan also requests that the EC increase the scholarship budget for 2021 by up to \$1,500 so that the application in question can be funded based on its strength. Dan Cadol motions and Shannon Williams seconds that the EC increase the scholarship budget for 2021 by up to \$1,500. **The motion receives two votes in favor.**

Attachment 1

- 2021 Mt. Taylor FFC
- Update 4/23/21
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- Road logs – still working on revising this. Had to wait on permissions.
- Day 1 is set
- Day 2 We are having trouble hearing from Laguna ENRD. We may be switching to Mesa Chivato.
- Day 3 Visit some uranium sites, Cerro Negro
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-
- Food – so far, no concerns about numbers of people
- The Grants High School culinary program is still planning on catering the ice breaker. They may help out with a few other meals.
- Wow! Diner has changed ownership. Grants HS may help with this.
- The lunch caterer may be doing all lunches, but we may need a backup for Saturday.
- Golf course is planning two nights for us. We might be able to use the Lobo Ranch for a dinner venue.
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- COVID survey
- Ready to go. May ask Adam to push out this afternoon
-
- Editor?
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----- END OF ATTACHMENT 1 -----

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Attachment 2

2022 NMGS FFC, Socorro area

Geology aspects: Dan Koning, Richard Chamberlin, Steve Hook, Walter John Nelson, David Love, Kevin Hobbs

Food: Susan Lucas-Kamat

DAY 1

Socorro to Quebradas Hills.

Stop 1: View of Socorro Peak and interpreting geologic history of late Quaternary deposit.

Stop 2: Bursum Spring and Pennsylvanian stratigraphy + Neogene geologic history of eastern margin of Rio Grande rift.

Stop 3: Fault-bend folds in Pennsylvanian strata (Steve Hook)

Stop 4: Dan Cadol's bedload monitoring gauge.

BANQUET

DAY 2

Socorro to Fort Craig and Bosque de Apache

Stop 1: Chupadera Peak and caldera + early Oligocene volcanic history

Alternative: Socorro lineament and regional tilt change

Stop 2: Quaternary terrace stratigraphy and Santa Fe Group stratigraphy of San Marcial basin and San Marcial fissure.

Stop 3: Fort Craig and lunch

Stop 4: Fault deformation-band faults near Bosque de Apache

BAR BQ AT BOSQUE DE APACHE HEADQUARTERS

DAY 3

Socorro to San Lorenzo Canyon

Stop 1: Early rift stratigraphy and sedimentation history. Structure at a faulted relay ramp accommodation zone.

-----END OF ATTACHMENT 2-----

ATTACHMENT 3

2023 NMGS Fall Field Conference Logistics

Conference scheduled for September 27-30, 2023

Wednesday, 9/27

Pre-conference field trip 1: Half-day tour of Carlsbad Cavern, 10am – 2pm

Pre-conference field trip 2: Full day hike up Guadalupe Peak, Guadalupe Mountains NP, 7am – 4pm

Icebreaker at Stevens Inn (?): 5pm - ?

NMGS Executive Committee meeting: 5pm – 6:30pm

Thursday, 9/28: Regional geology & stratigraphy, Delaware Basin, Capitan Reef & backreef facies.

Stop 1: State line roadcut, Castile gypsum

Stop 2: Rader Formation submarine landslide roadcut

Optional stop: Brushy Canyon submarine channel sand roadcut

Stop 3: El Capitan photo-op

Stop 4: Dark Canyon arroyo: Capitan Reef outcrop

Stop 5: Yates-Tansill contact

Stop 6: Sitting Bull Falls: regional stratigraphy; tufa deposits. Catered barbecue?

Friday, 9/29: Evaporite Karst

Stop1: Chosa Draw: Parks Ranch cave; additional sites displaying sinkholes & caves in Castile gypsum

Stop 2: Burton Flats: multiple sites displaying sinkholes & caves in Rustler gypsum

Banquet, awards ceremony at Stevens Inn

Saturday, 9/30: Karst geohazards, karst hydrology

Stop 1: Lake McMillan

Stop 2: Bottomless Lakes State Park

-----END OF ATTACHMENT 3-----

ATTACHMENT 4

NMGS Webmaster Report

Adam Read

23-April-2021

Spring Meeting:

Quite a bit of coding was needed to make the transition from a one-day in-person event to a two-day virtual event. In the end, it seemed to work well, and the addition of the ability of presenters to upload presentations will be useful for all future meetings.

Registration was a little challenging too. Some members, seeing that they didn't owe either membership meeting fees, assumed that their registration was complete and didn't 'submit' the order online. Consequently, Zoom links were mailed to all active members the day of the meeting regardless of registration status. We only had a few last-minute link requests.

Spring Sale:

Our former Annual January Sale has been permanently switched to our "Annual Spring Sale" in April and is currently in effect (25% off for members).

Scholarships:

The application system worked OK this year, except for one glitch where the system showed that a student had not formally 'submitted' their application, but they insisted otherwise and had a confirmation email to prove it. In the code, the confirmation email should only have been sent when submission was completed. This hasn't ever happened before and I have no idea what caused it. We'll need to keep an eye out for this situation occurring again. I recommend that the scholarship committee remind applicants before the submission deadline that they need to click the 'Submit Application' button when they are done and that they will get a confirmation email. There is a tool in the system that will 'Send Reminders' to students with pending applications.

Metadata Tool:

I've created a tool that can semi-automatically populated metadata fields (title, author, description, copyright, etc.) I am almost done using this tool on Bureau publications (only periodicals remain). PDF metadata gets used as text in search results, which have greatly improved on the Bureau's website. Most of the NMGS PDFs are guidebook papers and I'll begin working on that metadata soon.

Website Statistics for Calendar Year 2020:

Details: https://nmgs.nmt.edu/webstats/2020/NMGS-Report_2020.html

Summary:

Requests for pages: 901,655

Distinct hosts served: 67,650 (number of unique devices that connected)

Data transferred: 576,278,988,271 bytes (or 536.7 GB)

Ongoing:

- The NMGS website has automated News, Events, and Announcements functions. If there is anything new that should be posted, please let me know. It is also possible for EC members, with permission, to create postings via a web form.
- New banner pictures, especially of NM, are welcome. It is also possible for any member, with permission, to create postings via a web form.

-----END OF ATTACHMENT 4-----

ATTACHMENT 5

NMGS Publications Report

2nd Quarter 2021 NMGS EC Meeting

David Lemke

Publications Committee Chair

April 23, 2021

- Q1 2021 Publication Sales

- o Sales are still lower than past years, but, with the bookstore open for business, they are beginning to improve. Sales totaled \$1991.73 for the quarter. See the attached charted table and chart for details.

- Tom Giordino manuscript on History of Geology Program at NMSU 1890-2015

- o First draft layout completed, less the table of contents and figures. I got Tom to provide some photos to provide some visual relief from pure text and tables. Put together a cover page and a back cover is in progress. I've sent it to Tom to review and it will be ready for Shari's review shortly.

- o This is a new form of publishing books for NMGS, so the copyright page will need to be a cross between a print book and our guidebook articles.

- o Due to our inability to use NMT Adobe licenses, I'm funding the Adobe InDesign license to format this manuscript.

- Spring Conference student presentations and poster judging

- o We had 10 people volunteer to judge this year's presentations and posters.

- o I've received 100% of the scoring sheets from judges. I will review the scores this weekend. Due to some judges having network issues, we have a couple of presentations that only have one judge. I need to resolve how to deal with that.

- o From my perspective, the judging challenge with the Zoom format was tight presentation schedule (15 minutes) and lack of recordings of the talks. It was difficult to get past first impressions before moving on to the next presentation.

- Publication sales analysis and potential future publication ideas

- o New ideas in progress:

- Add videography to a media form that NMGS adopts.

- In conjunction with FFC committee and a recently formed Videography Committee of NMT, Bureau and NMGS folks, a Videography Workshop has been organized to train a core group of geoscientists to develop professional quality video in Bureau and NMGS work. Workshop meets May 10 and 11. First workshop is full.

- I've continued work on a web-based version of NMGS Fall Field

Conference road logs.

- Guidebook 46, The Geology of the Santa Fe Area is complete.

Guidebook 51, Geology of the Llano Estacado Day 1 is in progress.

- The Mt Taylor Day 1 Road log has been completed and available to review. A decision needs to be made about how to make it available, if at all.

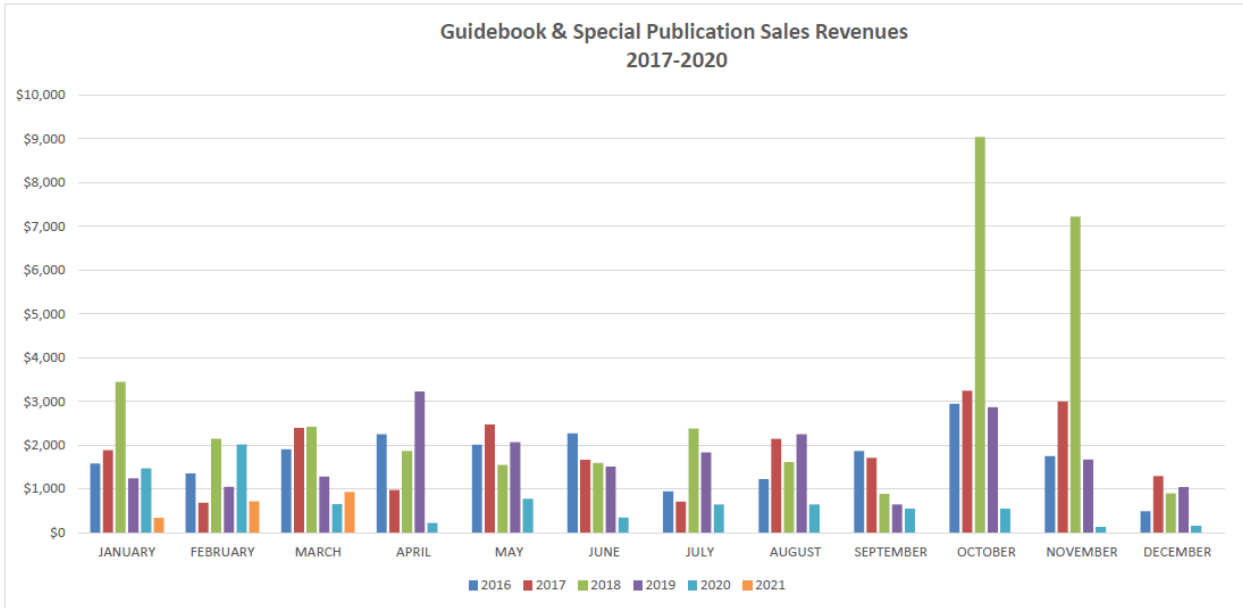
- I've really started to tread into areas that need some discussion, specifically about copyright, use of the NMGS name, etc.

- Developed a spreadsheet index of guidebook paleontology papers, with links to the pdf files on the website.

- Why doesn't NMGS make the minipapers in the guidebook road logs available to download?
- I'd like to find out the cost of road logs so I can determine whether we're overproducing them.
- A publication of classical literature in New Mexico geology. Something showing the foundational work done that is built into our current understanding of NM geology. A reprint of work dating back to the early 20th century to the present. It would be a complementary volume to SP-12, A Brief History of Geological Studies in New Mexico with Biographical Profiles of Notable New Mexico Geologists.

NMGS Publications Sales Revenues

MONTH	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
JANUARY	\$2,591.67	\$3,988.20	\$2,379.22	\$2,367.07	\$1,771.00	\$2,307.00	\$1,579.26	\$1,882.50	\$3,444.55	\$1,243.01	\$1,466.03	\$ 340.51
FEBRUARY	\$2,090.13	\$2,010.19	\$2,566.62	\$1,633.94	\$1,690.00	\$1,105.00	\$1,354.00	\$679.76	\$2,140.53	\$1,048.07	\$2,012.55	\$ 717.55
MARCH	\$3,078.12	\$2,088.63	\$2,551.51	\$2,201.45	\$2,520.00	\$1,901.00	\$1,904.38	\$2,389.99	\$2,417.45	\$1,285.09	\$ 651.24	\$ 933.67
APRIL	\$2,297.26	\$1,806.45	\$2,010.97	\$1,445.16	\$3,046.00	\$1,644.76	\$2,248.35	\$970.65	\$1,864.12	\$3,225.13	\$ 224.00	
MAY	\$2,774.45	\$2,252.63	\$2,812.58	\$1,122.27	\$1,175.31	\$1,532.84	\$2,006.41	\$2,471.03	\$1,550.61	\$2,065.91	\$ 775.18	
JUNE	\$3,043.00	\$2,643.89	\$5,115.82	\$1,589.70	\$2,337.24	\$3,130.00	\$2,267.85	\$1,662.23	\$1,595.42	\$1,506.78	\$ 348.13	
JULY	\$2,045.22	\$1,786.20	\$479.63	\$1,367.14	\$760.66	\$791.00	\$941.71	\$713.71	\$2,381.84	\$1,832.71	\$ 641.88	
AUGUST	\$1,398.94	\$2,936.96	\$1,508.33	\$1,941.97	\$1,462.00	\$1,765.00	\$1,226.29	\$2,146.36	\$1,613.12	\$2,247.25	\$ 641.88	
SEPTEMBER	\$1,814.25	\$1,721.58	\$1,459.50	\$1,338.45	\$3,452.83	\$1,671.00	\$1,867.03	\$1,706.84	\$884.90	\$644.80	\$ 549.38	
OCTOBER	\$5,315.99	\$2,530.60	\$2,529.64	\$2,171.25	\$1,542.98	\$2,568.00	\$2,940.90	\$3,242.30	\$9,036.58	\$2,868.17	\$ 549.39	
NOVEMBER	\$2,957.88	\$2,551.34	\$2,797.70	\$1,954.75	\$2,640.57	\$2,237.00	\$1,748.05	\$2,996.02	\$7,215.53	\$1,672.72	\$ 132.98	
DECEMBER	\$1,458.50	\$1,642.75	\$1,303.96	\$947.50	\$293.00	\$1,017.26	\$486.12	\$1,293.47	\$899.57	\$1,038.95	\$ 156.00	
TOTAL REVEN	\$30,865.41	\$27,959.42	\$27,515.48	\$20,080.65	\$22,691.59	\$21,669.86	\$20,570.35	\$22,154.86	\$35,044.22	\$20,678.59	\$8,148.64	\$1,991.73



-----END OF ATTACHMENT 5-----

ATTACHMENT 6

NMGS Scholarship Committee Report

Susan A Lucas Kamat

23-April-2021

2021 Scholarship Budget:

See attached for updated budget. FFC scholarships numbers and amounts are projections. Once the 2021 Mt Taylor FFC Committee finalized plans, amounts and numbers will be finalized based on attendance caps, in-person versus virtual, etc.

Pipkin Book Scholarships and Outstanding Senior Awards/Scholarships:

The scholarship committee successfully solicited nominations from all the colleges/universities eligible for scholarships. A total of \$6,000 was distributed to undergrads: \$3,000 for outstanding seniors and \$3,000 for books. This year was the first year NMGS expanded the book and senior scholarships to NMSU-Grants, Southwest Indian Polytechnic Institute (SIPI), and Navajo Technical University (NTU). Those schools will also be offered fall field conference scholarships.

Grants-In-Aid and Research Awards:

A total of \$33,000 was awarded for undergraduate research awards, graduate grants-in-aid, geochronology awards, and graduate mentorships. See attached for details. The rollover geochronology money has now been expended.

There was glitch in the application system that a submitted proposal was not marked as submitted. The proposal has now been reviewed and monies awarded.

NMGs 2021 Scholarship Budget

Updated by Susan Lucas Kamat (April 23, 2021)

Funds available for scholarships

Funding, CY2020 NMGs Foundation Awards	\$	42,000.00	Amount determined by Foundation
Funding, NMGs EC approval additional funds	\$	1,400.00	Voted by EC in April 2021
Donation, Cearley Grants-In-Aid (2021)	\$	5,000.00	
Donation, Cearley Grants-In-Aid (2020 roll-over)	\$	1,400.00	\$1,400 rollover from 2020
Donation, LAGS FFC Scholarships	\$	2,000.00	
Donations, general membership spring meeting scholarships	\$	-	2021 Spring Meeting actuals
Donations, general membership FFC scholarships	\$	1,000.00	Based on 2019 donations

Notes:

Total money available: \$ 52,800.00

Non-Competitive Awards Undergraduates Description	Qty	CY2021 PROPOSED Amount	Total	CY2021 ACTUAL	Guidelines
Lucille H. Pipkin Outstanding Senior Scholarship	6	\$ 500	\$ 3,000	\$ 3,000	ENMU, NMHU, NMT, NMSU, NTU, UNM. 1 outstanding senior per school. Student selected by school.
Lucille H, Pipkin Book Scholarship, Universities	7	\$ 300	\$ 2,100	\$ 1,950	ENMU, NMHU, NMT, NMSU, NTU, UNM, WNMU. Each school is allocated \$300 maximum for 3 undergraduate students maximum. Individual book award is a maximum of \$150 per student. Student and amount selected by school. (As examples, a school can award 1x \$150 scholarship, or 2x \$150 scholarships, or 3x \$100 scholarships.)
Lucille H. Pipkin Book Scholarship, Community Colleges	7	\$ 150	\$ 1,050	\$ 1,050	CNM, DACC, Mesalands, NMSU-Grants, San Juan, SIPI, and UNM Taos. Each school is allocated \$150 for 3 undergraduate students maximum. Individual book award is a maximum of \$150 per student. Student and amount selected by school. (As examples, a school can award 1x \$150 scholarship, or 2x \$75 scholarships, or 3x \$50 scholarships.)
Outstanding Senior Western New Mexico University	1	\$ 150	\$ 150	-	WNMU. \$150 award. Student selected by school.
\$ 6,300				\$ 6,000	Total, non-competitive awards undergraduates

Description	CY2021 PROPOSED		CY2021 ACTUAL		Guidelines
	Qty	Amount	Total	Total	
Robert Wellnitz Memorial Scholarship	1	\$ 1,000	\$ 1,000	\$ -	Graduate student (UNM 2021). Student selected by school.
Beverly Wellnitz Memorial Scholarship	2	\$ 500	\$ 1,000	\$ -	Graduate student (NMT & NMSU for 2021). Student selected by school.
		\$ 2,000	\$ 2,000	\$ -	Total, non-competitive awards graduate

Description	CY2021 PROPOSED		CY2021 ACTUAL		Guidelines
	Qty	Amount	Total	Total	
Frank E. Kottlowski Research Award	1	\$ 2,500	\$ 2,500	\$ 2,500.00	Top-ranked proposal. Graduate student at a NM university/college (\$2,500). Award determined by NMGS Scholarship Committee.
James and Susan Cearley Grant-In-Aid	2	\$ 2,500	\$ 5,000	\$ 5,000.00	Top-ranked undergraduate proposal and second-ranked graduate proposal. Graduate and undergraduate students at NM university/college (\$2,500 each for 2018 to 2022). Depending on proposal quality, may be awarded to 2 graduates. Award determined by NMGS Scholarship Committee.
Cearley Geochronology Award	variable	variable	\$ 5,500	\$ 6,400.00	Undergraduate and graduate students at NM university/college (maximum \$2,000 for 2020 to 2024). Award determined by NMGS Scholarship Committee.
GJAs and RAs	variable	variable	\$ 17,500	\$ 14,350.00	Multiple awards to graduate and undergraduate students at NM university/college (maximum \$2,000 graduates, \$1,500 undergraduates, and \$1,500 graduate mentorships). Awards determined by NMGS Scholarship Committee.
Graduate GIA				\$ 1,750.00	
Lucille H. Pipkin Undergraduate RA				\$ 3,000.00	
Graduate Mentorship				\$ 3,000.00	
		\$ 30,500	\$ 30,500	\$ 33,000	Total, grants-in-aid and research awards

Description	CY2021 PROPOSED		CY2021 ACTUAL		Guidelines
	Qty	Amt	Total	Total	
Student memberships, spring meeting	125	\$ 25	\$ 3,125	\$ 550	22 students as of 4/15/2021
Student memberships, FCC	25	\$ 25	\$ 625	\$ -	projecting 36 students for FCC
		\$ 3,750	\$ 3,750	\$ 550	Total, student memberships

Description	CY2021 PROPOSED		CY2021 ACTUAL		Guidelines
	Qty	Amt	Total	Total	
Student registrations (on-time)	125	\$ -	\$ -	\$ -	
Student registrations (late)	25	\$ -	\$ -	\$ -	
		\$ -	\$ -	\$ -	Total, student memberships

Spring Meeting Outstanding Papers Description	Qty	CY2021 PROPOSED Amt	Total	CY2021 ACTUAL Total	Guidelines
Outstanding student presentation, undergraduate	2	\$ 100	\$ 200	\$ -	Oral presentation & poster for graduate student. Selected by NMGs poster judging group.
Outstanding student presentation, graduate	2	\$ 100	\$ 200	\$ -	Oral presentation & poster for graduate student. Selected by NMGs poster judging group.
Total, outstanding papers			\$ 400	\$ -	

Fall Field Conference Scholarships Description	Qty	CY2021 PROPOSED Amt	Total	CY2021 ACTUAL Total	Notes
Los Alamos Geological Society (LAGS) FFC Scholarship	4	\$ 550	\$ 2,200	\$ -	LAGS funds 4 scholarships (\$350 registration + \$200 stipend) for 3 Wellnitz winners and 1 additional student.
James and Susan Cearley FFC Scholarship	10	\$ 550	\$ 5,500	\$ -	Cearley funds 10 scholarships (\$350 registration + \$200 stipend).
FFC Scholarship	18	\$ 550	\$ 9,900	\$ -	NMGs Scholarship Committee determines scholarship numbers. NMGs Scholarship Committee may reassign unused scholarships to other schools OR reassign to FFC flaggers OR may vacate. For 2021, 3 scholarships per university (NMSU, NMT, UNM, ENMU, NTU, NMHU) and 2 scholarships per community college/ minor (WVNMU, CNM, Mesalands, San Juan, NMSU-Grants, SIPI, Dona Anna). Students selected by school.
Total, FFC Scholarships			\$ 17,600	\$ -	

FCC specific assumptions and notes

Assume 36 students (budgeted) & 4 flaggers (paid by FCC). NMGs Scholarship Committee may decide to fund flaggers.
 Actual student scholarships may be reduced due to COVID-19 related event size and car restrictions.
 Projected stipend increased due to COVID-19 related hotel prices. Actual stipend may be increased or decreased to hotel costs.

Science Fair Awards Description	Qty	CY2021 PROPOSED Amt	Total	CY2021 ACTUAL Total	Guidelines
Science & Engineering Fair Winners	2	\$ 100	\$ 200	\$ -	Junior and Senior award at NM Science & Engineering Fair. Coordinate with NM BGM Outranch Coordinator.
Total, science and engineering fair			\$ 200	\$ -	

CY2021 BUDGETED	CY2021 PROJECTED	CY2021 ACTUAL TO DATE
\$ 60,750.00	\$ 60,450.00	\$ 39,550.00

Spring reimbursement request \$30,550 plus outstanding poste/orals.

-----END OF ATTACHMENT 6-----