

NEW MEXICO GEOLOGICAL SOCIETY, INC.
MINUTES FROM THE FIRST-QUARTER 2016 EXECUTIVE COMMITTEE MEETING

DATE: January 15, 2016

TIME: 2:00 pm

PLACE: Room 256 in the New Mexico Bureau of Geology and Mineral Resources, Socorro, NM

Attending: Dave Love, Shannon Williams, Matt Heizler, Bonnie Frey, Dave Ennis, Susan Lucas Kamat, Daniel Koning, Mary Dowse, Ginger McLemore

OPEN MEETING

1. **Call to order, 2:01 pm, by Dave Ennis**
2. **Outcome of elections --** Dave Love reports 69 total votes that include 4 paper ballots and 1 blank ballot. Slate of officers approved.
3. **Installation of officers --** Officers installed as such: Past President Mary Dowse, President Dave Ennis, Vice President Matt Heizler, Treasurer Susan Lucas Kamat, Secretary Daniel Koning. To be added onto Nusenda account: Treasurer Susan Lucas Kamat, Secretary Daniel Koning. To be removed from Nusenda account: Mary Dowse and ~~Ginger McLemore~~ ^{Vivian McLemore}.
4. **2015 Fall Field Conference Wrap up --** Dave Ennis reports that Mike and Jennifer still need to submit a final budget.
5. **Priority Agenda Item: 2016 Fall Field Conference update --** Shannon Williams reports: 1) she still needs to finish the road logs [70% done for Day 1, 20% done for Day 2, nothing done for Day 3], 2) Guidebook papers are coming in, and 3) she needs to finalize arrangements with the food vendors. She asks how to pay for expenses and Dave Ennis replies that she needs to work with the Treasurer. Ginger McLemore states that the trip organizers can pay via: 1) check from the Treasurer, 2) NMGs debit card, 3) Purchase Order from NMGs, or 4) organizers can personally pay expenses and get reimbursed. Matt Heizler says usage of debit card is commonly a problem with vendors. Mary Dowse states that the admission price needs to be set in the June meeting. Shannon Williams further reports that: 1) Guidebook publisher has been contacted by Dana Ulmer-Sholle, and 2) liability waivers are needed to access lands of two landowners plus BNSF. The latter is probably most efficiently handled by attendees signing a single collective form (i.e., a form with all attendees signatures) when picking up registration materials.

Bonnie Frey wonders if advertisements can be placed in the NMGs guidebook to offset costs, adding that Dana Ulmer-Sholle is O.K. with it. There is general support for ads among the group, provided they are placed in the back of the Guidebook and the revenue goes directly into the Field Conference budget. Bonnie wants to send a solicitation for ads to the NMGs membership. Ginger McLemore suggests contacting the American Institute of Professional Geologists (Wendy at Denver Office) regarding ad charges. Susan Lucas Kamat says if there is too much money

generated from ads, then this can jeopardize the non-profit status of NMGs. Bonnie would also like to have an acknowledgment page in the front of the Guidebook listing the individuals or companies providing funds for the Guidebook.

6. Priority Agenda Item: 2016 Spring meeting update -- Matt Heizler states that Elaine Jacob (Los Alamos National Laboratory) agreed to be the Science Chair and that he will be the technical chair. Theme of session will be geohazards. Key-note speaker will likely be a professional who has worked in the Gold King mine spill. There was an error in the December newsletter regarding the topic of the meeting (it stated the theme would be water resources), but the new topic would be communicated via the Spring Meeting announcement mailing (email and snail-mail). Also, the date of the meeting has been moved to the 8th of April, 2016. Matt H. says he will establish the date of next year's spring meeting with Macy Center.

7. Additional Agenda Item: 2017 Spring meeting proposal -- Ginger McLemore proposes that the key-note session be "Uranium Issues in New Mexico," with emphasis on in-situ recovery and reclamation. Exhibit 1 provided as handout. Motion to adopt the this proposal made by MATT Heizler to approve this key-note session, which was approved by all five committee members.

8. Publications Committee

Ginger McLemore presents four handouts (Exhibits 2 through 5) respectively pertaining to NMGs 2015 Year end sales , 2015 NMGs Year End Inventory, Out-of-print NMGs publications, and 2015 Summary of NMGs publication sales. Ginger states that sales have been declining since 2010 (where they were \$30, 865), but remained relatively steady at \$20,000-23,000 during the years of 2013-2015.

- a. Status of editor for 2016 FFC Guidebook -- Ginger said that Dana Ulmer-Scholle has agreed to be the editor. Dan Koning asks if these editors are paid. Mary Dowse affirms editors are paid; additionally, it would be good to have a contract with editors to know costs up-front. Ginger McLemore suggested having different editors for NMGs Guidebooks vs. NMGs Special Publications.
- b. Selling NMGs books on Amazon -- Tabled by the executive committee because they want more detail about this. Ginger requested that Susan Kamat-Lucas write down her comments/concerns and submit them to April Brunson.
- c. Use of Digital Object Identifier (DOI) -- Ginger said that the annual costs of using a DOI for NMGs publications would be \$275/year and a one-time fee of \$300. Handout presented (Exhibit 6) expressing a motion to approve NMGs to use DOIs and pay for the cost unless it is possible to piggy back on NMBMGR. No action was taken later in the closed session.
- d. Energy and Mineral Resources of New Mexico Special Publication -- Ginger presents a memo (Exhibit 7) outlining the status of the this Special Publication. This book is of top

concern to the Publications Committee and is planned to be released in June. Adam Read has been asked to help with editing. Executive council needs to decide how much NMGGS will pay towards printing costs and to finalize how much will be paid for editing. Final sales price has not yet been set. Matt Rhoads will ask specific industrial firms if they can pay some of the costs.

- e. **Train log** – This is being spearheaded by Shari Kelley, and she has done a lot of work already. At some point, she will need to speak with Matt Rhoads regarding splitting of profit between NMGGS and NMBGMR.
- f. **Permian geology** – This is headed by Greg Mack. Mary Dowse suggests the publication committee talk with April about the how much sales appeal this publication could have.

Break between 3:03 and 3:09 p.m.

- 9. **Webmaster's Report** – Prepared by Adam Read and submitted for the record as Exhibit 8.

10. Future fall field conferences

- a. **2017 – Durango (Heizler/Dave Gonzales/Karl Karlstrom)** – Matt Heizler said that no proposal has yet been prepared. Matt will push Dave Gonzales to get proposal out, which will likely be in the Spring. Dave Ennis said that the Durango proposal is needed by next meeting.
- b. **2018 – Las Cruces (Greg Mack)**, proposal received – Details read aloud by Dave Ennis. Proposal submitted for the record as Exhibit 9.
- c. **2019 – Raton (Zeigler, Zimmerer, Ramos)**, proposal received – Proposal submitted for record as Exhibit 10.

Susan Lucas Kamat motioned to approve the two proposals for the 2018 and 2019 field trips. Motion seconded by Mary Dowse. Approved by all five committee members.

CLOSED MEETING

- 1. **Call to order** -- At 3:15 p.m., Susan Lucas Kamat motioned to move the meeting to be closed, which was seconded by Dave Ennis. Motion approved by all five executive committee members.
- 2. **Approval of minutes of last meeting** -- Tabled.
- 3. **Vice President's report** -- Dave Ennis presents a report (Exhibit 11) outlining a summary of the Foundation's last meeting, reimbursement request to the Foundation (Nov. 12, 2015) and subsequent payment (Dec. 5, 2015), and two Foundation requests: 1) if NMGGS could write checks for scholarships ("float the money") and 2) if we could request reimbursement from the Foundation in June and December rather than just in December. Dave Ennis also states that Nelia Dunbar was voted onto the Foundation board.
- 4. **Priority Agenda Item: 2016 Budget Discussion**

a. **Scholarship budget** -- Mary Dowse says we can probably use the Trauger Fund for printing costs, since reprinting out-of-print publications is generally not necessary given that they are available on the internet as PDFs. Matt Heizler motions for \$40,000 be spent in 2016 on scholarships, which is seconded by Susan Lucas Kamat and Mary Dowse. Motion approved by 4 ayes and 1 nay (Dan Koning). Preliminary values for individual scholarships and Grants in Aid (which included the Kottlowski Fellowship) were decided.

Break between 4:40 and 4:50

Committee decides to reflect further on the scholarship budget over the next two weeks and hold a final vote on this budget on or before January 29, 2016.

- b. **NMGGS contribution to costs of printing the NMGGS Special Publication "Energy and Mineral Resources of New Mexico"** -- the committee decides to pay \$10,000 for editing but not to contribute to printing costs. This decision results in an approximate 80:20 ratio of expenses between the NMBGMR and NMGGS. NMGGS considers that ratio fair in light of the 80:20 split of the profits desired by Matt Rhoads. Matt Heizler motions we contribute \$10,000 for editing this Special Publication, which was seconded by Susan Lucas Kamat and unanimously approved by the executive committee.
- c. **Increase life-time membership dues** -- Susan Lucas Kamat motions to increase Lifetime Membership fees from \$150 to \$350, seconded by Mary Dowse and approved by unanimous vote.
2. **Schedule 2nd Quarter Meeting** -- Next meeting is scheduled for Thursday, April 7, at 2 p.m. Location would be at the NMBGMR.
3. **Adjournment at 5:05 p.m.** -- Dave Ennis Motions to adjourn, seconded by Matt and approved by unanimous vote.

Exhibit Z

Hi Everybody -

I apologize for not being able to attend this meeting but I had to take MSHA training. I'd be happy to discuss any questions, comments, or concerns you may have on Friday at the Spring Meeting.

We are all frantically working on material for the Guidebook. Roadlogs are about 90% complete, all are receiving final edits and photo editions now. Half of the technical papers are reviewed and in Dana's hands. Dana has talked with Starline and knows the deadlines.

Land access is still good. BNSF has been cooperative and pleasant to work with. Mike Mechenbier is still onboard for escorting us to Carrizo Arroyo. Jim Lardner has also been a pleasure to work with and we're keeping our fingers crossed that we can have a block wall removal demonstration. We recently heard back from Isleta and they are working on our request. Finally, Laguna is planning on escorting us to Rio San Jose Gorge. We need to finalize access waivers for all parties. Hopefully we can combine everything into one waiver that folks sign when they receive their registration packet.

Food arrangements are in hand. We have contacted two local wineries (Jaramillo and Black Smuggler) and they are finalizing logistics for providing the drinks at the Ice Breaker. Currently, the idea is for each winery to offer tastings and then members and use their drink ticket to select a glass of wine. Then, simple as it is, there is a local pizza place that is a Belen institution, Casa de Pizza; and I propose pizza and salad as the Ice Breaker food to go with the wine tasting. As I've mentioned, instead of a traditional Texas-style BBQ, we are having a New Mexican matanza since Belen is host to the World's Largest Matanza - an event Bonnie and I had the pleasure of attending earlier this year. Our visit was fruitful and we secured a vendor. He has been great to work with and is finalizing our quote now. I'm definitely excited to feast on carne adovada, carnitas, and calabacitas, with smoked tofu adovada for our vegetarian members. The hotel is reserved and I have asked Susan to make the deposit. Items still outstanding for food are: (1) finalizing lunches, we have quotes but haven't committed; (2) securing refreshments for the matanza; (3) deciding on the dinner entre for the banquet.

I have a quote from enterprise for van rentals and will maintain this as a placeholder, but will continue to work on securing department vans to decrease the cost.

Again, I apologize for not being able to attend this meeting. I'd be happy to answer any questions, address any concerns, and welcome any comments.

Sincerely,
Shannon

(with oodles of help from Bonnie, Karl, Phil, Dana, Dave, Richard, Spencer, ...)

Exhibit 3

FFC 2016 NMGS C BUDGET

ITEM	QUANTITY	UNIT COST	ESTIMATED COST	ACTUAL COST	NOTES
Ice Breaker - Harvey House					
Location fee			\$500		Actual cost is \$0; Suggest \$500 (?) donation
Food	150	\$6	\$900		Casa de Piza estimate, 40 pizzas (\$12ea) and 30 salads (\$11ea) + 8%tax
Drinks	150	\$4	\$600		estimate from 2 wineries (Black Smugler & Jaramillo)
Liquor license + 2 servers + security	1	\$170	\$170		2 winerys, \$25 event license ea, 2 servers @ \$10/hr, 1 security @ \$10/hr
Subtotal					
			\$2,170		2015 cost: \$3,857.83 ice breaker
Day 1 - East Side					
Lunch - sandwiches	150	\$8	\$1,200		discussed with places, estimated
BQ - manzana	150	\$18.50	\$2,775		quote, -\$2300 + \$400 gratuity
Drinks	150	\$4	\$600		place-holder estimation
Subtotal					
			\$4,575		2015 cost: \$5,347.50 BQ + \$1,181 lunch = \$6,529
Day 2 - WestSide					
Lunch - burritos	150	\$4	\$600		burritos, quote received, still approximated
Banquet - Holiday Inn	150	\$28	\$4,200		confirmed - all inclusive, except actual alcohol
Drinks	150	\$4	\$600		place-holder estimation
Subtotal					
			\$5,400		2015 cost: \$5,332.07 banquet + \$1,181 lunch = \$6,513
Day 3 - Traveline					
Lunch - sandwiches	150	\$8	\$1,200		discussed with places, estimated
Subtotal					
			\$1,200		2015 cost: \$1,181 lunch
Snacks					
Supplies, snacks, drinks	450	\$5.00	\$2,250		place-holder estimation
Subtotal					
			\$2,250		2015 cost: \$2,535 snacks
Guidebooks					
Guidebooks	1	\$6,500.00	\$6,500		place-holder estimation
Complimentary Guidebooks	10	\$50.00	\$500		place-holder estimation
Guidebook Editor (half)	1	\$4,000.00	\$4,000		place-holder estimation
Subtotal					
			\$11,000		2015 cost: \$7,520 (didn't include guidebook editor)
Vehicles					
Vehicles (TBD)	12	\$675.00	\$8,100		estimate from enterprise, going to try to get donations from departments to decrease this expense
Gas	1	\$500.00	\$500		place-holder estimation
Subtotal					
			\$8,600		2015 cost: \$9,125.95 all vehicle expenses
Start Costs					
Drink truck (1 truck, 2 people)	1	\$600.00	\$600		place-holder estimation
Trip Leader Registrations	2	\$300.00	\$600		place-holder estimation
Student Registrations	4	\$300.00	\$1,200		place-holder estimation
Subtotal					
			\$2,400		2015 cost: \$3,100 all complimentary registrations
TOTAL					
			\$37,595		
Costs before contingency	150	\$37,595	\$5,639		
Contingency (15%)			\$5,639		
Costs after contingency	150	\$43,234	\$288		
Registration fee					
Revenue					
Revenue	150	\$300.00	\$45,000.00		\$1,765.75

Exhibit 4

Date: 11/2015 12:00:00 AM to 3/31/2016 11:59:59 PM

Item Description	Qty Sold	Ext Price
Gdbk 2 San Juan Basin (AZ & NM)	1	3.75
Gdbk 3 Rio Grande Country	2	8.75
Gdbk 5 Southeastern New Mexico	2	10
Gdbk 6 South-Central New Mexico	1	3.75
Gdbk 8 Southwestern San Juan Mtns. (Colorado)	4	17.75
Gdbk 9 Black Mesa Basin (Northeastern AZ)	2	10
Gdbk 12 Albuquerque Country	3	12.5
Gdbk 13 Mogollon Rim Region - SPE	2	8.75
Gdbk 15 Ruidoso Country	1	5
Gdbk 16 Southwestern New Mexico	2	10
Gdbk 19 San Juan, San Miguel, La Plata Region	1	5
Gdbk 20 The Border Region	1	5
Gdbk 21 Tyrone, Big Hatchet Min., Florida Mtns. Region	4	20
Gdbk 23 East-Central New Mexico	1	3.75
Gdbk 24 Monument Valley	2	10
Gdbk 25 Ghost Ranch	5	22.75
Gdbk 26 Las Cruces Country	1	5
Gdbk 26 Map Tectonic Map of Rio	6	13.65
Gdbk 27 Vermejo Park	1	3.25
Gdbk 28 San Juan Basin III	4	17.5
Gdbk 29 Land of Cochise	2	10
Gdbk 30 Santa Fe Country	3	12.75
Gdbk 31 Trans-Pecos Region	2	8.75
Gdbk 32 Western Slope	2	10
Gdbk 33 Albuquerque Country II	5	22.75
Gdbk 34 Socorro Region II	1	5
Gdbk 35 Rio Grande Rift (Northern NM)	3	15
Gdbk 36 Santa Rosa, Tucumcari Region	3	12.75
Gdbk 37 Truth or Consequences Region	1	5
Gdbk 38 Northeastern New Mexico	3	12
Gdbk 39 Cretaceous & Laramide Tectonic Evolution of SW NM	3	15
Gdbk 40 Southeastern Colorado Plateau	4	17.5
Gdbk 41 Tectonic Development of	4	17
Gdbk 42 Geology of The Sierra Blanca, Sacramento & Capitan Ranges	3	12.75
Gdbk 43 San Juan Basin IV	3	14
Gdbk 45 Mogollon Slope	1	5
Gdbk 46 Geology of the Santa Fe	6	26
Gdbk 48 Mesozoic Geology & Paleontology of the Four Corners	3	12.5
Gdbk 50 Albuquerque Geology	7	30.75
Gdbk 51 Southwest Passage: A Trip through the Phanerozoic	2	10
Gdbk 52 Geology of Llano Estacado	2	7.75
Gdbk 53 Geology of White Sands	1	3.75
Gdbk 54 Geology of the Zuni Plateau	4	18.75

Gdbk 55 Geology of the Taos Region	2	21.25
Gdbk 57 Caves & Karst of SE New	1	18.75
Gdbk 58 Geology of the Jemez Region II	2	40.5
Gdbk 58 Geology of the Jemez Region II Road Log	2	25.94
Gdbk 59 Geology of the Gila Wilderness-Silver City area	2	29.26
Gdbk 59 Geology of the Gila Wilderness-Silver City area Road Log	5	64.84
Gdbk 60 Geology of the Chupadera Mesa	3	72
Gdbk 61 Geology of the Four Corners County	5	237.5
Gdbk 61 Geology of the Four Corners County Road Log	1	19.95
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	1	55
Gdbk 63 Geology of the Warm Springs Region	1	0
Gdbk 63 Geology of the Warm Springs Region	3	48.75
Gdbk 64 - Geology of Route 66 Region: Flagstaff to Grants	8	503.75
Gdbk 65 Sacramento Mountains Region	15	652.5
Gdbk 65 (road logs only) Sacramento Mountains Region canvas bag	3	70
	1	15
Geologic Highway Map of NM 2005	243	1,773.50
SP2-History of NM Geologic-SPE	3	4.5
SP7-Field Guide Caudrons & Mining Dist. Datil-Mogollon Volcanic Field	1	5
SP8-Archaeology & History Santa	1	1.5
SP9-Ash-Flow Tuffs	2	15
SP11-The Geology of New Mexico	17	616.5
SP12-A Brief History of Geological Studies in New Mexico	16	520
	<u>452</u>	<u>5,311.89</u>

Date: 4/1/2015 12:00:00 AM to 6/30/2015 11:59:59 PM

Item Description	Qty Sold	Ext Price
Gdbk 3 Rio Grande Country	1	5
Gdbk 5 Southeastern New Mexico	1	5
Gdbk 6 South-Central New Mexico	2	10
Gdbk 8 Southwestern San Juan Mtns. (Colorado)	2	10
Gdbk 11 Rio Chama Country	1	4
Gdbk 12 Albuquerque Country	3	14
Gdbk 16 Southwestern New Mexico	1	5
Gdbk 20 The Border Region	3	15
Gdbk 23 East-Central New Mexico	4	20
Gdbk 24 Monument Valley	1	5
Gdbk 25 Ghost Ranch	3	12.25
Gdbk 26 Las Cruces Country	5	25
Gdbk 31 Trans-Pecos Region	3	15
Gdbk 33 Albuquerque Country II	2	10
Gdbk 33 Road Logs to Albuquerque Country	4	20
Gdbk 34 Socorro Region II	1	5
Gdbk 35 Rio Grande Rift (Northern NM)	5	25
Gdbk 36 Santa Rosa, Tucumcari Region	2	7.25
Gdbk 37 Truth or Consequences Region	4	20
Gdbk 38 Northeastern New Mexico	1	5
Gdbk 41 Tectonic Development of	1	5
Gdbk 42 Geology of The Sierra Blanca, Sacramento & Capitan Ranges	2	9
Gdbk 43 San Juan Basin IV	2	8
Gdbk 47 CD-ROM Jemez Mountains Region	1	10
Gdbk 48 Mesozoic Geology & Paleontology of the Four Corners	2	8.25
Gdbk 49 Las Cruces Country II	3	15
Gdbk 50 Albuquerque Geology	5	23
Gdbk 51 Southwest Passage: A Trip through the Phanerozoic	2	10
Gdbk 52 Geology of Llano Estacado	1	5
Gdbk 53 Geology of White Sands	5	23.25
Gdbk 54 Geology of the Zuni Plateau	4	19
Gdbk 55 Geology of the Taos Region	2	45
Gdbk 56 Geology of the Chama Basin	1	24
Gdbk 57 Caves & Karst of SE New	1	25
Gdbk 58 Geology of the Jemez Region II	2	45
Gdbk 58 Geology of the Jemez Region II Road Log	2	39.9
Gdbk 59 Geology of the Gila Wilderness-Silver City area	8	180
Gdbk 59 Geology of the Gila Wilderness-Silver City area Road Log	5	64.84
Gdbk 60 Geology of the Chupadera Mesa	6	77.81
Gdbk 61 Geology of the Four Corners Country	2	90
Gdbk 61 Geology of the Four Corners Country Road Log	1	19.95
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	3	90.75
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	6	97.5

Gdbk 63 Geology of the Warm Springs Region	3	195
Gdbk 64 - Geology of Route 66 Region: Flagstaff to Grants	6	234
Gdbk 64 (road logs only) - Geology of Route 66 Region: Flagstaff to Grants	1	25
Gdbk 65 Sacramento Mountains Region	8	312.5
Gdbk 65 (road logs only) Sacramento Mountains Region canvas bag	1	25
	3	45
Geologic Highway Map of NM 2005	556	3,722.50
SP4-Subsurface Geology East-Central NM	1	3
SP6-Tectonics & Mineral Resources SW North America	1	7.5
SP7-Field Guide Caudrons & Mining Dist. Datil-Mogollon Volcanic Field	2	10
SP8-Archaeology & History Santa	1	2
SP9-Ash-Flow Tuffs	1	7.5
SP10-Environmental Geology & Hydrology in NM	1	4.05
SP11-The Geology of New Mexico	6	184.5
SP12-A Brief History of Geological Studies in New Mexico	7	340
	<u>714</u>	<u>6,290.30</u>

Date: 7/1/2015 12:00:00 AM to 9/30/2015 11:59:59 PM

Item Description	Qty Sold	Ext Price
Gdbk 2 San Juan Basin (AZ & NM)	1	5
Gdbk 3 Rio Grande Country	1	5
Gdbk 5 Southeastern New Mexico	1	5
Gdbk 6 South-Central New Mexico	1	5
Gdbk 8 Southwestern San Juan Mtns. (Colorado)	1	5
Gdbk 9 Black Mesa Basin (Northeastern AZ)	1	5
Gdbk 10 CD-ROM West-Central New Mexico	1	10
Gdbk 11 Rio Chama Country	1	5
Gdbk 12 Albuquerque Country	2	10
Gdbk 13 Mogollon Rim Region - SPE	1	5
Gdbk 15 Ruidoso Country	2	9
Gdbk 16 Southwestern New Mexico	4	14.75
Gdbk 19 San Juan, San Miguel, La Plata Region	1	5
Gdbk 20 The Border Region	1	5
Gdbk 21 Tyrone, Big Hatchet Min., Florida Mtns. Region	5	19.75
Gdbk 23 East-Central New Mexico	2	10
Gdbk 24 Monument Valley	1	5
Gdbk 25 Ghost Ranch	4	20
Gdbk 26 Las Cruces Country	1	5
Gdbk 27 Vermejo Park	1	5
Gdbk 28 San Juan Basin III	1	5
Gdbk 29 Land of Cochise	5	19.75
Gdbk 30 Santa Fe Country	2	10
Gdbk 31 Trans-Pecos Region	2	10
Gdbk 32 Western Slope	1	5
Gdbk 33 Albuquerque Country II	2	10
Gdbk 33 Road Logs to Albuquerque Country	1	5
Gdbk 34 Socorro Region II	1	5
Gdbk 35 Rio Grande Rift (Northern NM)	6	30
Gdbk 36 Santa Rosa, Tucumcari Region	1	5
Gdbk 37 Truth or Consequences Region	2	5
Gdbk 38 Northeastern New Mexico	1	5
Gdbk 39 Cretaceous & Laramide Tectonic Evolution of SW NM	4	14.75
Gdbk 40 Southeastern Colorado Plateau	4	19
Gdbk 41 Tectonic Development of	3	15
Gdbk 42 Geology of The Sierra Blanca, Sacramento & Capitan Ranges	3	14
Gdbk 43 San Juan Basin IV	3	15
Gdbk 45 Mogollon Slope	3	14
Gdbk 46 Geology of the Santa Fe	5	25
Gdbk 47 CD-ROM Jemez Mountains Region	3	30
Gdbk 48 Mesozoic Geology & Paleontology of the Four Corners	2	10
Gdbk 49 Las Cruces Country II	1	5
Gdbk 50 Albuquerque Geology	3	15

Gdbk 51 Southwest Passage: A Trip through the Phanerozoic	2	10
Gdbk 52 Geology of Llano Estacado	1	5
Gdbk 53 Geology of White Sands	3	15
Gdbk 54 Geology of the Zuni Plateau	4	20
Gdbk 55 Geology of the Taos Region	4	82.5
Gdbk 56 Geology of the Chama Basin	1	30
Gdbk 57 Caves & Karst of SE New	2	37.2
Gdbk 58 Geology of the Jemez Region II	3	67.46
Gdbk 58 Geology of the Jemez Region II Road Log	5	78.8
Gdbk 59 Geology of the Gila Wilderness-Silver City area	3	67.5
Gdbk 59 Geology of the Gila Wilderness-Silver City area Road Log	11	156.61
Gdbk 60 Geology of the Chupadera Mesa	2	45
Gdbk 60 Geology of the Chupadera Mesa	1	19.95
Gdbk 61 Geology of the Four Corners Country	3	150
Gdbk 61 Geology of the Four Corners Country Road Log	4	79.8
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	4	189.75
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	3	70
Gdbk 63 Geology of the Warm Springs Region	2	130
Gdbk 63 Geology of the Warm Springs Region	3	68.75
Gdbk 64 - Geology of Route 66 Region: Flagstaff to Grants	8	507
Gdbk 64 (road logs only) - Geology of Route 66 Region: Flagstaff to Grants	3	70
Gdbk 65 Sacramento Mountains Region	9	355
Gdbk 65 (road logs only) Sacramento Mountains Region	8	142.5
Gdbk 66 Geology of the Las Vegas Region	1	0
Gdbk 66 (road logs only) Geology of the Las Vegas Region	3	39.9
canvas bag	2	30
Geologic Highway Map of NM 2005	156	990.5
SP1-Biblio & Index of NMGS GDBKs, 1950-63	1	3
SP2-History of NM Geologic-SPE	1	2
SP3-The San Andres Limestone	1	10
SP4-Subsurface Geology East-Central NM	1	3
SP5-Cenozoic Volcanism SW NM	1	5
SP6-Tectonics & Mineral Resources SW North America	2	15
SP7-Field Guide Caudron & Mining Dist. Dall-Mogollon Volcanic Field	2	10
SP8-Archaeology & History Sania	2	4
SP9-Ash-Flow Tufts	1	7.5
SP10-Environmental Geology & Hydrology in NM	1	4.5
SP11-The Geology of New Mexico	3	126
SP12-A Brief History of Geological Studies in New Mexico	2	82.5
	<u>361</u>	<u>4,180.72</u>

Date: 10/1/2015 12:00:00 AM to 12/31/2015 11:59:59 PM

Item Description	Qty Sold	Ext Price
NMGS Aluminium Water Bottle - in red, green, and blue	12	0
Gdbk 2 San Juan Basin (AZ & NM)	1	5
Gdbk 8 Southwestern San Juan Mins. (Colorado)	2	10
Gdbk 9 Black Mesa Basin (Northeastern AZ)	2	10
Gdbk 11 Rio Chama Country	1	5
Gdbk 13 Mogollon Rim Region - SPE	2	10
Gdbk 15 Ruidoso Country	1	5
Gdbk 16 Southwestern New Mexico	1	5
Gdbk 21 Tyrone, Big Hatchet Min., Florida Mins. Region	1	5
Gdbk 23 East-Central New Mexico	1	4
Gdbk 25 Ghost Ranch	3	15
Gdbk 26 Las Cruces Country	1	5
Gdbk 27 Vermejo Park	2	10
Gdbk 28 San Juan Basin III	3	13
Gdbk 29 Land of Cochise	2	9
Gdbk 30 Santa Fe Country	1	5
Gdbk 31 Trans-Pecos Region	2	8.25
Gdbk 32 Western Slope	2	9
Gdbk 33 Albuquerque Country II	1	5
Gdbk 33 Road Logs to Albuquerque Country	1	5
Gdbk 34 Socorro Region II	4	19
Gdbk 35 Rio Grande Rift (Northern NM)	3	13
Gdbk 36 Santa Rosa, Tucumcari Region	1	4
Gdbk 37 Truth or Consequences Region	1	4
Gdbk 39 Cretaceous & Laramide Tectonic Evolution of SW NM	1	5
Gdbk 40 Southeastern Colorado Plateau	2	8
Gdbk 41 Tectonic Development of	2	8.25
Gdbk 43 San Juan Basin IV	1	5
Gdbk 45 Mogollon Slope	1	4
Gdbk 46 Geology of the Santa Fe	3	15
Gdbk 49 Las Cruces Country II	1	5
Gdbk 50 Albuquerque Geology	1	5
Gdbk 55 Geology of the Taos Region	7	100
Gdbk 56 Geology of the Chama Basin	1	19.5
Gdbk 57 Caves & Karst of SE New	1	25
Gdbk 58 Geology of the Jemez Region II	1	22.5
Gdbk 58 Geology of the Jemez Region II Road Log	1	19.95
Gdbk 59 Geology of the Gila Wilderness-Silver City area Road Log	2	35.91
Gdbk 61 Geology of the Four Corners Country	4	170
Gdbk 61 Geology of the Four Corners Country Road Log	5	78.8
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	1	0
Gdbk 63 Geology of the Warm Springs Region	2	130
Gdbk 64 - Geology of Route 66 Region: Flagstaff to Grants	2	107.25

Gdbk 65 Sacramento Mountains Region	1	50
Gdbk 65 (road logs only) Sacramento Mountains Region	2	39.9
Gdbk 66 Geology of the Las Vegas Region	207	2,021.25
Gdbk 66 (road logs only) Geology of the Las Vegas Region	15	239.4
canvas bag	11	165
Geologic Highway Map of NM 2005	319	2,099.50
SP5-Cenozoic Volcanism SW NM	1	5
SP7-Field Guide Caudrons & Mining Dist. Dall-Mogallon Volcanic Field	4	19
SP8-Archaeology & History Santa	1	1.6
SP9-Ash-Flow Tufts	2	13.5
SP10-Environmental Geology & Hydrology in NM	2	9
SP11-The Geology of New Mexico	7	227.25
SP12-A Brief History of Geological Studies in New Mexico	3	150
	<u>665</u>	<u>5,987.81</u>

Date: 1/1/2016 12:00:00 AM to 3/31/2016 11:59:59 PM

Item Description	Qty Sold	Ext Price
Gdbk 2 San Juan Basin (AZ & NM)	2	8.75
Gdbk 5 Southeastern New Mexico	1	5
Gdbk 6 South-Central New Mexico	1	5
Gdbk 8 Southwestern San Juan Mins. (Colorado)	5	20.75
Gdbk 11 Rio Chama Country	1	5
Gdbk 15 Ruidoso Country	1	5
Gdbk 16 Southwestern New Mexico	4	20
Gdbk 19 San Juan, San Miguel, La Plata Region	2	7
Gdbk 20 The Border Region	1	5
Gdbk 21 Tyrone, Big Hatchet Min., Florida Mins. Region	2	10
Gdbk 25 Ghost Ranch	2	10
Gdbk 26 Las Cruces Country	1	5
Gdbk 27 Vermejo Park	1	5
Gdbk 28 San Juan Basin III	3	13.25
Gdbk 29 Land of Cochise	1	5
Gdbk 30 Santa Fe Country	4	20
Gdbk 32 Western Slope	3	11.5
Gdbk 33 Albuquerque Country II	2	10
Gdbk 34 Socorro Region II	1	5
Gdbk 35 Rio Grande RIR (Northern NM)	5	25
Gdbk 37 Truth or Consequences Region	4	20
Gdbk 38 Northeastern New Mexico	2	10
Gdbk 39 Cretaceous & Laramide Tectonic Evolution of SW NM	2	10
Gdbk 40 Southeastern Colorado Plateau	3	15
Gdbk 41 Tectonic Development of	1	5
Gdbk 42 Geology of The Sierra Blanca, Sacramento & Capitan Ranges	2	10
Gdbk 43 San Juan Basin IV	4	20
Gdbk 45 Mogollon Slope	3	13.75
Gdbk 46 Geology of the Santa Fe	4	17.5
Gdbk 48 Mesozoic Geology & Paleontology of the Four Corners	4	16.5
Gdbk 50 Albuquerque Geology	6	30
Gdbk 51 Southwest Passage: A Trip through the Phanerozoic	2	10
Gdbk 53 Geology of White Sands	1	5
Gdbk 54 Geology of the Zuni Plateau	2	10
Gdbk 55 Geology of the Taos Region	8	133.75
Gdbk 57 Caves & Karst of SE New	1	25
Gdbk 58 Geology of the Jemez Region II	2	34.88
Gdbk 58 Geology of the Jemez Region II Road Log	12	149.63
Gdbk 59 Geology of the Gila Wilderness-Silver City area	3	59.63
Gdbk 59 Geology of the Gila Wilderness-Silver City area Road Log	5	64.84
Gdbk 60 Geology of the Chupadera Mesa	2	52.5
Gdbk 61 Geology of the Four Corners Country	4	160
Gdbk 61 Geology of the Four Corners Country Road Log	2	25.94

Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	2	77
Gdbk 62 Geology of the Tusas Mountains and Ojo Caliente	6	77.81
Gdbk 63 Geology of the Warm Springs Region	5	292.5
Gdbk 63 Geology of the Warm Springs Region	2	39.9
Gdbk 64 - Geology of Route 66 Region: Flagstaff to Grants	6	344.5
Gdbk 65 Sacramento Mountains Region	6	287.5
Gdbk 65 (road logs only) Sacramento Mountains Region	1	19.95
Gdbk 66 Geology of the Las Vegas Region	18	778.25
Gdbk 66 (road logs only) Geology of the Las Vegas Region	5	78.8
Geologic Highway Map of NM 2005	146	1,099.50
SP5-Cenozoic Volcanism SW NM	3	14
SP6-Tectonics & Mineral Resources SW North America	1	7.5
SP7-Field Guide Cauldrons & Mining Dist. Dali-Mogollon Volcanic Field	3	15
SP9-Ash-Flow Tufts	7	47.26
SP10-Environmental Geology & Hydrology in NM	2	9
SP11-The Geology of New Mexico	9	369
SP12-A Brief History of Geological Studies in New Mexico	4	160
	<u>346</u>	<u>4,817.64</u>

Exhibit 5

NMGS Amazon Fees

Product	NMGS Price	Amazon Fees	Price after amazon fees	Normal Profit	Amazon Profit	STU. Discount Profit
Highway Map	\$10.00	\$3.84	\$6.16	\$6.00	\$3.70	\$3.90
55 Taos	\$25.00	\$6.09	\$18.91	\$15.00	\$11.35	\$9.75
56 Chama	\$30.00	\$6.84	\$23.16	\$18.00	\$13.90	\$11.70
57 Caves	\$25.00	\$6.09	\$18.91	\$15.00	\$11.35	\$9.75
58 Jemez	\$22.50	\$5.72	\$16.78	\$13.50	\$10.07	\$8.78
59 Gila	\$22.50	\$5.72	\$16.78	\$13.50	\$10.07	\$8.78
60 Chupadera	\$60.00	\$11.34	\$48.66	\$36.00	\$29.20	\$23.40
61 Four Corners	\$50.00	\$9.84	\$40.16	\$30.00	\$24.10	\$19.50
62 Tusas	\$55.00	\$10.59	\$44.41	\$33.00	\$26.65	\$21.45
63 Warm Springs	\$55.00	\$10.59	\$44.41	\$33.00	\$26.65	\$21.45
64 Route 66	\$65.00	\$12.09	\$52.91	\$39.00	\$31.75	\$25.35
65 Sacramento	\$50.00	\$9.84	\$40.16	\$30.00	\$24.10	\$19.50
66 Las Vegas	\$55.00	\$10.59	\$44.41	\$33.00	\$26.65	\$21.45
Spiral Bound Versions	\$19.95	\$5.33	\$14.62	\$11.97	\$8.77	\$7.78
Special Pubs. 3 San Andres	\$10.00	\$3.84	\$6.16	\$6.00	\$3.70	\$3.90
11 NM Geology	\$45.00	\$9.09	\$35.91	\$27.00	\$21.55	\$17.55
12 Brief History	\$50.00	\$9.84	\$40.16	\$30.00	\$24.10	\$19.50

224 Y

Exhibit 6

NMGS Webmaster Report

Adam Read
7-April-2016

Scholarships:

The 2016 online scholarship application and disbursement process worked fairly well again this year except that we had some problems with servers going down. A few minor tweaks were made to make the system easier to use from both the applicant and reviewer points of view. The system is mature enough now that I don't feel that I necessarily need to be the third member of the committee. However, I am still willing to serve in that capacity.

Spring Meeting:

The online registration and abstract submission systems worked well again this year. Again, a few changes were made to fix a few minor bugs.

Banner Images:

I don't recall if I mentioned that I can allow members with a login to contribute images for the rotating banner on the website. I would still want to curate the images before they went live, but the submission system is entirely online. If anyone is interested in this, please let me know. I'm not quite willing to announce this option to the entire membership yet though.

Future Work:

I'd like to make the sidebar announcements rotate when there are more than can fit above the fold on the website.

**Proposal for 2017 NMGS Fall Field Conference in Ouray, Colorado
Sept 20-23 or 27-30, 2017**

The western San Juan Mountain area is noted for a great variety of geologic features, as well as the unique flora, and scenery of the Rocky Mountains. The last time the NMGS FFC was headquartered in southern Colorado was 1968. Since that time new research has been carried out resulting in many new perspectives on the geologic history of the region. The 2017 FFC will be designed to highlight some of the new ideas and controversies of this geologically diverse region.

Leaders. The general chairman will be Dave Gonzales at Fort Lewis College who is very familiar with the area. Co-leaders will be Karl Karlstrom, Matt Heizler, Steve Cather and Ray Kenny. The division of labor is as follows:

Road Logs. Dave Gonzales, Steve Cather

Guidebook Editors: Matt Heizler, Karl Karlstrom and Dave Gonzales

Logistics: Dave Gonzales, Ray Kenny, Karl Karlstrom

Budget: Matt Heizler, Laurie Crosse

Headquarters. The headquarters hotel will be Box Canyon Lodge and Hot Springs with 40-50 rooms.

Transportation: For the first day we will be hiking directly from Ouray. We also plan to use University vans and carryalls from the geology departments at NMSU, UNM, NM Tech, NM Highlands and western NM as well as the NM Bureau of Geology. Private vehicles will be used on the last morning of the conference for transport to the Sunnyside Mine.

Schedule of Stops. Although the current list of geologic stops may change in the future, the general approach to the trip is set. The first day will explore the 2 billion years of geologic history via hiking. Day two will focus on Cenozoic mineralization, magmatism and volcanology. Day three will explore the recent Gold King mine spill and its environmental impacts. We are also planning an optional trip on the Wednesday preceding the main conference.

Tentative Schedule

Day zero: Optional day on Wednesday preceding the FFC. Molas Lake to Elk Park. Here we will explore the geology along the Colorado Trail as it extends down from Molas Pass to Elk Park. At Elk Park we will board the Durango/Silverton narrow gauge railroad and ride to Silverton.

Day One: Theme: 2 Billion Years of Geologic History (leader Karlstrom)

Start: Box Canyon Lodge

We will hike directly out of Ouray along the Ouray Perimeter Trail (6 miles) starting at the Box Springs Hotel. Exit points will be available and interpretive centers will be manned at key geologic locations. Folks can travel at their own pace and lunch will be provided along the trail with hot springs available at days' end preceding the BBQ.

End: Hot Springs Hotel

Barbeque: Elks Lodge Ouray, CO.

Day Two: Theme: Mineralization and Magmatism.

Start: Box Canyon Lodge

Stop 1: Silverton Caldera (tentative leaders Lipman, Zimmerer, McIntosh). ½ Day.

Stop 2: Red Mountain (leader Gonzales). ½ Day.

End: Box Canyon Lodge

Banquet: Elks Lodge Ouray, CO.

Day Three: Theme: Environmental issues, Gold King Spill.

Stop 1: Red and Bonita Mines. Drive to Sunnyside Mines main portal and hike ½ mile to Red and Bonita Mines.

RE: FFC 2017 proposal February 26, 2016 10:53 AM

From: Mary Dowse

To: matt heizler David Ennis, EMNRD Susan LucasKamat, NMENV Dan Koning

> If Matt can't second, I will.
 >
 > It looks like a good trip and I am in favor.
 >
 > I do have a concern that it is outside of NM and apparently in the
 > past that has been perceived as a problem. Can someone touch base
 > with Ginger and Nelia (as the ones with the best corporate memory) and
 > get their input or comments.
 >

> Mary

> -----Original Message-----

> From: matt heizler [mailto:matt@nmt.edu]

> Sent: Friday, February 26, 2016 10:15 AM

> To: Ennis, David, EMNRD; Mary Dowse; LucasKamat, Susan, NMENV; Dan Koning

> Subject: RE: FFC 2017 proposal

> I might have a COI, but I second.

> and vote yes.

> At 3:38 PM +0000 2/26/16, Ennis, David, EMNRD wrote:

>> Since this is a critical issue, I'd like to do an email EC motion/vote.

>> I motion to approve the proposal for FFC2017. Do I hear a second?

>> If there's a second, I vote "Yes"

>> Thanks,

>> Dave

>> -----Original Message-----

>> From: matt heizler [mailto:matt@nmt.edu]

>> Sent: Thursday, February 25, 2016 10:47 AM

>> To: Ennis, David, EMNRD <David.Ennis@state.nm.us>;

>> ginger@nmbg.nmt.edu; mary.dowse@wvnm.edu; matt@nmt.edu; LucasKamat,

>> Susan, NMENV <Susan.LucasKamat@state.nm.us>

>> Cc: kek1@unm.edu; GONZALES_D@fortlewis.edu

>> Subject: FFC 2017 proposal

>>Dear EC,
>>
>>Attached is the proposal for the FFC2017. We borrowed the format of
>>Mack's FFC2018 proposal as a nice template for laying out the proposal.
>>
>>We feel the Ouray, CO area offers excellent geology and logistics for
>>an exciting FFC. With our plan of less driving and less stopping we
>>expect plenty of time for small and large group interactions.
>>
>>Matt, David, and Karl.
>>
>>
>>--
>>Matt Heizler
>>NM Bureau of Geology and Mineral Resources NM Tech
>>801 Leroy Place
>>Socorro, NM 87801
>>
>>Office 575-835-5244
>>Argon Lab 575-835-5271
>>Main Office 575-835-5420
>>FAX 575-835-6333
>><http://geoinfo.nmt.edu/staff/mheizler/home.html>
>
>
> --
> Matt Heizler
> NM Bureau of Geology and Mineral Resources NM Tech
> 801 Leroy Place
> Socorro, NM 87801
>
> Office 575-835-5244
> Argon Lab 575-835-5271
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> FAX 575-835-6333
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