



# The Fluorescent Mineral Society, Inc.

www.uvminerals.org

## CANDIDATES FOR FMS OFFICERS AND DIRECTORS

AS OF MAY 20<sup>TH</sup>, 2023

### OFFICERS:



**PRESIDENT – Dr. Phil Neuhoff** (FMS #2120) – term ending 02/28/2025

Phil is a mineralogist, geologist and chemist living in Eagle and McCall, ID. He has a B.S. in Geology from the University of Iowa and a PhD in Geological and Environmental Science from Stanford University. He currently serves as partner and chief geologist for Wildcat Diversified Investment LLC and Rock Flat Minerals, LLC. Rock Flat Minerals has mining claim holdings on a new source of fluorescent minerals from west central Idaho.

A lifelong mineral collector he has been collecting fluorescent minerals since the age of nine though this interest has grown in recent years due to his work on luminescence spectroscopy and discovery of Rock Flat Minerals holding. He joined the FMS in early 2017 and currently serves as a director of FMS, Chair of the Research Chapter and Editor of the Journal of the FMS. His particular interests in fluorescence include geologic applications of fluorescence, triboluminescence and tenebrescence.



**VICE PRESIDENT – Lee McIlvaine IV** (FMS #801) – term ending 02/28/25

At the request of the FMS President and encouragement from several FMS Board members, Lee agreed to take over the remaining term of the FMS Vice President in late 2020. He is now running for a full term.

Lee has been a member of the FMS since 1994 and has been collecting fluorescent minerals for more than 32 years. He became Vice President in 2020 and took over the responsibilities of the former President during his absence, in early 2022. Lee lives with his wife, Charlotte and their beautiful daughter, Noel (8) in Wyndmoor, PA just outside of Philadelphia. They are fortunate to be a short 2.5 hr. drive from Franklin and Sterling Hill, NJ. He was a past regional VP of the

Northern CA Chapter of the FMS when he lived in CA from 2003 to 2010. More recently he was the regional VP of the Northeast region fluoresophiles (NERF) chapter (2011-2020) until he accepted the role as FMS VP.

## **CANDIDATES FOR OFFICERS cont.:**

Professionally, Lee is a geologist with over 22 years' experience in environmental consulting. He received a BS and MS in Geological Science from the Lehigh University in Bethlehem, PA. He holds a Professional license in three states (PA, CA and WA).

When time allows, he enjoys field collecting fluorescent minerals and has collected in 13 states including AZ, CA, CT, FL, ID, IL, ME, MD, NV, NJ, NY, PA and RI. Internationally he has taken trips to Greenland and Langban, Sweden.

A few years ago, he took over the reins as the Show Chairperson of the Ultravioletation Show (fluorescent minerals only). He enjoyed hosting the shows in October 2018 and 2019. For obvious reasons the show was cancelled in 2020, but returned in 2021. Make plans now to attend next year's show on Saturday, October 29, 2022. Come see, purchase, (and sell (if you want) fluorescent specimens from around the world. Contact Lee for more details.

Lastly in 1996 he made his first trip to the Tucson Gem and Mineral Show to see the amazing fluorescent mineral displays and enjoy the FMS meeting and presentations. He is looking forward to the inclusion of his own fluorescent display at the 2022 Tucson Fluorescent Display.



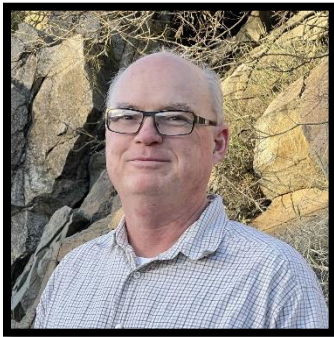
### **SECRETARY –Currently Open Position**

**Melissa Applebee** (FMS# 2432), – term ending 02/28/2025

Although I've enjoyed collecting minerals and "pretty rocks" since an early age, I became interested in fluorescent minerals in 2019 after taking my dog for a walk with a blacklight and finding rocks that glow embedded in the gravel road. I spent most of 2020 learning everything I could about fluorescent minerals and the science behind them. In 2021 I moved to Sierra Vista, Arizona, within a stone's throw of Miller Canyon and Nelly James mine. Since my move I've learned to prospect and find my own fluorescent material in both known and unknown localities.

I'm an Army Veteran and a former paralegal and photographer. I currently work mostly in volunteer positions with various nonprofit organizations. I serve as Secretary and Historian of the Huachuca Mineral and Gem Club, as well as curating the fluorescent mineral collection.

## DIRECTORS:



**Director –Daniel Moore (FMS # 1968) –term ending 02-28-2026**

I am Daniel Moore, an FMS member since 2013. My interest in fluorescent minerals goes back to childhood though I didn't fully engage in the hobby until 2012 when I stumbled upon fluorescent minerals at Helvetia, Arizona and I was hooked.

I am a professional Geologist with twenty-nine years' experience in groundwater remediation, water rights, mine permitting, and abandoned mine remediation.

I hold a BS in Geology from the University of Wisconsin and an MS in Geology from the University of Kentucky. I am currently a registered Professional

Geologist in Arizona. In other work, as a member of an incident management team, I support wildland fire response throughout the western U.S. and teach classes on emergency management.

I live in Tucson, Arizona with my wife, Lorena, who is also a Geologist. I led two field trips to Helvetia for FMS members. I provided the FMS display for the 2020 Tucson Show and participated in the 2022 Tucson Show.



**Director –Mike Crawford (FMS# 1869) –Term Ending 02-28-2026**

My interest in geology, rocks, and minerals was inspired by hikes and camping in the glacial deposits of Wisconsin as a Boy Scout. The glaciers left a cornucopia of rocks and fossils that were eagerly collected. I still have a couple of those early collectibles. I got my first UV light 56 years ago. I got hooked on fluorescent minerals with that lamp. I still have that lamp and it still works.

I studied geology in college. I got a B.S in Earth Science from the University of Notre Dame, and a M.S. and Ph.D. in Applied Earth Science from Stanford University. I worked as a research geologist for two major oil companies, Conoco and Arco. My career as a geologist ended when my company was merged with a bigger oil company

and my services were no longer needed. I became an automation engineer for Texas Instruments in their semiconductor manufacturing facilities. I am now retired after working 19 years at TI.

Now that I am retired, I spend my time reading, watching football, model railroading, and fluorescent mineral collecting. I caught the research bug again with my fluorescent mineral collection. In college and in my work as a research geologist, I interpreted multispectral satellite and airborne imagery and collected reflectance spectra of rocks and soils to aid in the interpretation of the imagery. I am restarting my earlier research pursuits with a recently acquired spectrometer to measure fluorescent spectra of minerals. I also bought a full spectrum camera to collect multispectral images of fluorescent rocks. The camera allows me to take pictures of ultraviolet, visible, and near infrared fluorescence. I enjoy sharing on Facebook, UV Waves, and the FMS Journal what I learn from these activities.

## CANDIDATES FOR DIRECTORS Cont.:



### **Director –George Adleman (FMS# 797) –Term Ending 02-28-2026**

George Adleman from Arlington, MA, has been a fluorescent mineral collector since 1983 when he bought his first SW lamp at age 36. He was first bitten by the fluorescent mineral bug at the Harvard Mineral Museum's fluorescent display in 1958 at age 11. Although the fluorescent display there is now defunct, George presented a fluorescent mineral talk to enthusiastic museum visitors there every few years. George now has several thousand, mostly fluorescent specimens, including fluorescent faceted gemstones. He is cataloging his collection for SW, MW, LW, 405nm fluorescence and Raman spectra so his geologist daughter in Alaska will agree to inherit the collection.

He is a longtime continuous member of the FMS #797 (Fluorescent Mineral Society), BMC (Boston Mineral Club) and the MMNE (Micro Mounters of New England.) George retired in 2013. He was an electrical engineer-scientist-architect for HP medical for 25 years and US patent manager at Siemens-Draeger-Medical for 13 years.

He holds five medical display related patents. George's primary interests now are with sources stimulating fluorescence including LED's, Lasers, and even visible light. He is very active in ID'ing specimens using a portable Raman instrument at home and the field. He is generating a mineral library in the instrument with the support of his many mineral collecting friends and has also imported the RRUFF library. Last spring he purchased a used Spectrometer Raman confocal microscope which he is bringing back to life. He is sponsored by the Boston Mineral Club as a user at the Harvard University Center for Nano Systems (CNS) for mineral ID using their RAMAN and XRF equipment. George is the Research Chairman for the BMC and on the Research committee of the FMS. His resume is at <https://www.linkedin.com/in/georgeadleman> .