

Draft Minutes for the 1584<sup>th</sup> meeting of the Geological Society of Washington  
December 7, 2022  
President Larry Meinert called the meeting to order at 20:03 EST.  
American Geophysical Union

#### Attendance

There were 85 attendees, 39 in-person and 46 online.

#### Minutes

The meeting began with the approval of the minutes from the previous meeting (1583<sup>rd</sup>). The minutes of the 1583<sup>rd</sup> meeting had been posted online and a Minute's Minute was read aloud at the 1584<sup>th</sup> meeting. No corrections were noted, and the minutes were accepted.

#### Guests and New Members

Two guests were introduced: Dennis L. Askew II (Amazon) and Jan Hellmann (UMD).

#### Announcements

1. Kori Newman urged all to check their SPAM folder for the GSW renewal notice.

#### Obituary

No obituaries were announced.

#### Informal Communication

There was no informal communication.

#### Formal Program

The formal program began at 20:09 EST with the President's Address to a hybrid live and Zoom audience. First Vice President Kori Newman introduced Larry Meinert. Kori described Larry's military marathon triumphs, home-winery operations and his extensive career in mineral resources to the far reaches of the planet.

Larry then presented the intriguingly titled "Exploration for Skarn Deposits – if Sherlock Holmes Had Been a Geologist." Larry demonstrated his professorial chops as he illustrated the sleuthing methods of exploration geologists. The in-person audience members ogled a dazzling skarn deposit sample chock a block with crimson garnets, as Larry elucidated the fundamentals of skarn formation. He introduced the common calc-silicate minerals and economically important elements that crystallize in the intense reaction zone between hot magma and cooler carbonate rocks. Larry praised skarn deposits as natural geochemical laboratories for the study of changes in temperature, pressure, oxidation state, pH, and phase equilibria. He empowered us as potential exploration geologists through his lessons on these diverse chemical drivers. From South American peaks to the densest jungles of Papua New Guinea, Larry discussed a range of field relations and ionic equations. For the paleontology diehards in the crowd, he even offered up vivid images of mineral replacement in fossils. Throughout his presentation Larry sharpened our Holmesian skills with pop quizzes and mercifully leading questions whose answers to the Watsons among us were occasionally elementary but always enlightening. *Talk Length: 58'16"*

As per GSW tradition, no questions were asked after this Presidential address.

President Larry Meinert adjourned the 1584<sup>th</sup> meeting at 21:11 EST.

Respectfully submitted,

Beth Doyle