



International Association of Geochemistry

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HAYDN H. MURRAY INDUCTED INTO THE NATIONAL MINING HALL OF FAME



On 24 September 2016, Dr. Haydn H. Murray (who spent much of his career at Indiana University, USA) was formally inducted into the National Mining Hall of Fame and Museum (Leadville, Colorado, USA). According to the National Mining Hall of Fame release, Dr. Murray (1924–2015) was an internationally recognized expert on applied clay mineralogy. His research and leadership in this field resulted in four US patents and led to the development of innovative new kaolin products for paper coating and filling, of enhanced single coat coverage in paints, and of

extending the uses of clays in ceramics, plastics, and other commercial applications.

Following the completion of his PhD at the University of Illinois (USA) in 1951, Dr. Murray began his professional career at Indiana University with a joint position at the Indiana Geological Survey. In 1957, he moved to the Georgia Kaolin Company (New Jersey, USA), where he expanded their interests to bentonite clay, sodium and calcium bentonites, halloysite, and European kaolins through strategic acquisitions and joint ventures. Returning to Indiana University in 1973, he created the first program in applied clay science in the US. His 96 PhD and MS students did research and theses on kaolin, bentonite, halloysite, and palygorskite clays and have gone on to hold critical positions in industry, government, and academia. Following his retirement from Indiana University in 1994, Dr. Murray formed H.H. Murray and Associates, focusing on research in applied clay mineralogy with assignments in many regions of the world.

Dr. Murray freely gave back to his profession, having served as President and founding member of the Clay Minerals Society; President of the Society for Mining, Metallurgy and Exploration; and President of the American Institute of Professional Geologists. He was elected into the National Academy of Engineering and he chaired their Resource Engineering Committee. Murray's book *Applied Clay Mineralogy* (Elsevier, 2007) was the capstone publication of his career. This authoritative monograph continues as a valued reference for researchers, geologists, and mine operators alike.

ELSEVIER PHD STUDENT RESEARCH GRANTS – CALL FOR PROPOSALS

Generously supported by academic publishers Elsevier, the International Association of Geochemistry's PhD Student Research Grant program helps support the cost of the analytical needs of geochemistry PhD students. PhD Student Research Grants of up to US\$3,000 may be awarded annually, based upon receipt of deserving proposals, as determined by the deciding IAGC committee.

Applications for Student Research Grants for 2017 will be accepted through 1 December 2016. Funds will be dispersed to winning applicants before 1 May 2017. The recipients of each Student Research Grant will be profiled in *Elements*, on the IAGC website, and in the spring edition of the *IAGC Newsletter*. Recipients will also receive a one-year complimentary IAGC membership. For application instructions and to download the necessary forms, please visit: www.iagc-society.org/phd_grants.html.

2017 AWARD NOMINATIONS

Now is the time for 2017 IAGC award nominations! The window of opportunity for nomination submission will extend through 1 December 2016. Awards available for nomination in 2017 are the Kharaka Award, Ebelmen Award, Harmon Distinguished Service Award, IAGC Fellow, and the Certificate of Recognition. For a summary of the awards and instructions on how to submit your nomination, visit www.iagc-society.org/awards.html.

12th INTERNATIONAL SYMPOSIUM ON APPLIED ISOTOPE GEOCHEMISTRY (AIG-12)

The 12th IAGC-sponsored Applied Isotope Geochemistry Symposium (AIG-12) will take place 17–22 September 2017 at the Copper Mountain Resort in Colorado (USA).



As in previous meetings, we will have a wide range of topical sessions, including light stable isotopes; clumped isotopy; and metal, radiogenic, and heavy isotopes. The program will include oral and poster presentations that will be sure to stimulate conversation and new collaborations among our international attendees. We especially encourage students to attend. Copper Mountain is a beautiful resort area in central Colorado's Rocky Mountains. We will have all necessary facilities for the meeting in one place—lodging, restaurants, and the meeting venue are all within a short walk of each other. The meeting will feature presentations on Monday, Tuesday, Thursday and Friday, with a mid-week field trip on Wednesday. The field trip will focus on the geology and geochemistry of Colorado's metal-mining history. For accompanying persons, there is an abundance of activities, including hiking, fishing, golfing, mountain biking and sightseeing. Copper Mountain Resort is easily reached by bus, van, or automobile from Denver International Airport. In the coming months we will have more information posted on our website at www.appliedisotopegeochemistry.org. If you have ideas for special topical sessions, please contact Rich Wanty (rwanty@usgs.gov) or Ian Ridley (iridley@usgs.gov). We look forward to seeing you in September 2017!