2026 MGPV Division Distinguished Geological Career Award to Calvin G. Barnes: Citation

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October 13, 2026

Given my great appreciation for Cal Barnes as a friend and colleague and my equally great admiration for his many scientific contributions, I take tremendous pleasure in introducing Cal as the 2026 Distinguished Career Award by the Mineralogy, Geochemistry, Petrology, and Volcanology (MGPV) Division. This award recognizes individuals who take a field-based, multidisciplinary approach to geologic problem solving, a description that describes Cal's scientific approach perfectly. Over a career spanning more than four decades, he has established new and more complete understanding of plutonic systems and their tectonic context. He is a generous colleague who has shared his expertise with dozens of collaborators and more than 40 graduate students, to the benefit of all.

Cal's work clarifying tectonic and petrologic relationships in the classic accretionary complex of the Klamath Mountains established him as a foremost expert on arc plutonism in orogenic belts. His early recognition of tilted plutons in arc sections enabled him to describe magmatic processes at various crustal levels. Studies of tectonic and magmatic processes in the Klamath accretionary arc in GSA Special Paper 410, co-edited by Cal, built on his early work and were foundational for ongoing research by Cal and others.

In the 2000s Cal undertook multidisciplinary investigations of the Helgeland Nappe Complex, combining careful field study with geochronology, geochemistry, and petrology to elucidate the complex interplay of plutonism, metamorphism, and sedimentation during contractional orogenesis. The results of this research were the focus of the 2011 Eurogranites field trip. He was elected to the Royal Norwegian Society of Science and Letters in recognition of his contributions to the geology of north-central Norway.

More recently Cal developed applications of trace element systematics of rock-forming igneous minerals to describe the evolution of plutonic systems. This information, combined with careful textural evidence, led to evidence for magma defrosting in plutonic rocks.

In addition to his research accomplishments, Cal has served as department head, editor and reviewer, and in multiple roles at GSA including almost every position in the MGPV Division and the Cordilleran Section, responsibilities he describes as "mostly fun." Please join me in celebrating a lifetime of accomplishment. Congratulations, Cal!