data should be stored in a single, archive-friendly format.

- Metadata should be collected prior to, during, and after an experiment. To improve metadata collection, researchers need user-friendly tools to record metadata while in the field.

—MARK A. PARSONS, National Snow and Ice Data Center, University of Colorado, Boulder;

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E-mail: parsonsm@nsidc.org; and BRUCE E. WILSON, Oak Ridge National Laboratory, Oak Ridge, Tenn.; E-mail: wilsonbe@ornl.gov

ABOUT AGU

Cashman Receives 2006 N. L. Bowen Award

Katharine Cashman received the N. L. Bowen Award at the 2006 AGU Fall Meeting. The award recognizes outstanding contributions to volcanology, geochemistry, or petrology.

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Citation

It is a privilege and an honor to present the N. L. Bowen citation for Kathy Cashman. She is richly deserving of this recognition owing to her unique and original contributions to the field of volcanology.

Kathy is best known for her quantitative characterization of volcanic rock textures using measurements of the size, size distribution, and shape of both bubbles and crystals. It is a real joy to sit next to Kathy and stare at a pile of SEM photographs of a volcanic rock, and then to watch her pull them apart crystal by crystal, spotting textural nuances that most of us would never have noticed, let alone had the temerity to interpret. As Ian Carmichael wrote in his nominating letter for Kathy, "It is with great chagrin that I realize that the writing and reasoning are so clear that I always learn something."

Kathy's academic success lies with three of her most characteristic traits: insatiable curiosity, artistic creativity, and considerable generosity of spirit. These have also made her an outstanding mentor to students at every stage of their careers. I speak for many in our profession when I say that Kathy Cashman is a most cherished friend and inspiring colleague.

—REBECCA LANGE, University of Michigan, Ann Arbor.

Response

I am humbled to receive an award that bears the name of Norman L. Bowen, whose legacy I have come to revere over the years. Acceptance speeches are, fundamentally, autobiographical and laden with thanks; mine is no exception, as I accept this award on behalf of the family, colleagues, students, and friends who have supported me through my career.

I became a geologist at Middlebury College, thanks to the plate tectonics excitement of Peter Coney. After Middlebury, I worked in New Zealand and Antarctica, where I succumbed to the 'red rock fever' that plagues most volcanologists. My return to the United States brought me, circuitously, back to volcanoes in the guise of the public information scientist at Mount St. Helens, where I confirmed my passion for volcanology and decided, with the encouragement of senior U.S. Geological Survey scientists, to return to graduate school. At Johns Hopkins University, my advisors Bruce Marsh and John Ferry helped me to transform this passion into the knowledge and self-confidence needed to tackle scientific problems.

My academic career started at Princeton University, where I initiated research themes that have sustained me through the years. Studies of submarine pumice with Dick Fiske (Smithsonian) and my first graduate student, Caroline Klug, and of basaltic tephra with Maggie Mangan (USGS), introduced me to the dynamics of explosive volcanism and the enchantment of Hawaiian lava flows, where my primary guide has been Jim Kauahikaua, a dear friend and gentle tutor. Lava flow distributaries have led me (1) to the North Atlantic and notorious ODP Leg 163, (2) to Canberra Australia, for experimental work with Ross Griffiths and Ross Kerr, (3) to Mount Etna, Italy, with Sonia Calvari and Harry Pinkerton, and (4) back home to the Cascades, where my students and I have abandoned rock hammers for the shovels required to explore the myriad products of explosive volcanism.

From a broader perspective, I see that turning points in my career have arisen primarily through serendipity: Jon Blundy's (Bristol) visit to Oregon in 1998; a single e-mail from Mauro Rosi (Pisa) in 2001. I am grateful to both of them for sharing their scientific work and their friendship, as well as to my students, my UO colleagues Michael Manga and Paul Wallace, and my department head Dana Johnston. Last but not least, I'd like to thank my extended family, in which I include Becky Lange, who has provided unconditional support for all my endeavors.

—KATHARINE CASHMAN, University of Oregon, Eugene.