## Leading Scientists Recognized at the 2004 MSA Awards Luncheon

The eighty-fifth annual awards luncheon of the Mineralogical Society of America was held on November 9, 2004, during the 2004 Geological Society of America meeting in Denver, Colorado.

KEVIN ROSSO received the **Mineralogical Society of America Award** for outstanding research early in his research career. His research interests are the relationships between the atomic and electronic structure of mineral surfaces and their reactivity and physical properties. Citationist Michael F. Hochella Jr. (left) and MSA President Michael Carpenter (right).

The **Distinguished Public Service Award** was presented to ROBERT F. MARTIN, editor of *The Canadian Mineralogist* for 26 years. Robert Martin has done research in many areas, but was recognized this day for his work with *The Canadian Mineralogist*, one of the premier journals in the field. Citationist John M. Hughes (left), and MSA President Michael Carpenter (right).

FRANCIS R. "JOE" BOYD was awarded (posthumously) the **Roebling Medal**, the Society's highest honor, in recognition of lifetime scientific achievement. With Joseph England, he designed and developed a high-pressure, high-temperature apparatus, which has been central to the work of a generation of experimental petrologists. Boyd's initial focus was on high-pressure phase equilibria, and this work provided the basis for continued studies on the composition, structure, and history of the lithosphere and upper mantle. Elected to the National Academy of Science in 1974, Boyd also served as president of the Geochemical Society, the Geological Society of Washington, and the VGP section of the American Geophysical Union. Citationist Stephen Haggerty (left), Marguerite J. Kingston, widow of Francis R. (Joe) Boyd, and MSA President: Michael Carpenter.

**Prof. YONG-FEI ZHENG,** University of Science and Technology of China, Hefei, China won a **National Natural Science Award of China** for 2004. These awards recognize a series of prominent achievements in a certain field of natural science and are the highest awards for achievement in scientific research. Prof. Zheng's award is for his work on theoretical calculations and experimental measurements of oxygen isotope fractionation factors for minerals.

## Julie Roberge on the Outreach Path

Julie Roberge is finishing her PhD at the University of Oregon, under the supervision of Paul Wallace and in close collaboration with Kathy Cashman. She is studying volatiles in magma and, in particular, analyzing basaltic glass from the Ontong Java plateau in order to establish the subsidence rate of the plateau. She is also studying volatiles in melt inclusions and the permeability of pumice (from which the crystals containing the melt inclusions come) from the Bishop tuff to characterize the fragmentation/degassing behavior of volcanoes. At Christmas time, while she was visiting her family in Québec, her boyfriend had contacted the local media to tell them about her fascinating work. As a result, three regional newspapers published articles on this local girl studying far-away volcanoes and she made the first page in one of them. The headline read "Volcanoes tattooed on her heart", and the article went on to talk about her unconditional love for volcanoes. She was also interviewed on several radio stations when Mount St. Helens started erupting again (she just happened to be doing field work nearby). Julie has been under the spell of volcanoes since she was 8 years old, but it was not until she got to university that she discovered that you could study them and actually make a living at it. She wants every child to know that fact, so whenever she gets a chance she does presentations in classrooms as well. She has set up her own web page and she gets e-mails from young people all over the world wanting to know more about volcanoes and how to become a volcanologist.

Julie Roberge ascending the Villarica volcano in Chili.