

The magma intrusion is presumably related to the nearby youngest eruptions in Northern Iceland (Krafla, 1975–84). It may be a sill or dyke of unknown extension. However, due to the uncertainties it is now not feasible to continue drilling for supercritical fluids, the original goal of the IDDP. Nevertheless, the current surprise offers unique opportunities to study magma-fluid interaction at depth. Therefore, the well has been cased and cemented, and a slotted liner is set in

the lowermost section. After surface valves are installed, tracer injection and flow tests will be performed to test connectivity to nearby wells and to produce superheated steam for research and eventually energy production from magma.

Depending on the results of these tests, future possibilities might include creating the world's highest-temperature Engineered Geothermal System (EGS). Details: <http://iceland.icdp-online.org>



Colorless rhyolitic glass shard (~1 mm across) with spherical vesicles (photo from ISOR daily report).

Book Review: *Drill Me a Painting* by Christine Laverne

Reviewed by Catherine Mevel

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Understanding how the ocean crust is formed and evolves through time has been a major goal of the successive ocean drilling programs DSDP, ODP, and now IODP. A number of cruises over more than thirty years have been dedicated to drill as deeply as possible into the ocean crust, with the ultimate aim of penetrating the Mohorovicic Discontinuity (MOHO). However, drilling through the basaltic flows of the upper crust and the sheeted dike complex into the gabbros has proved as invaluable as it has proven difficult. Only by 2005 was the lower gabbroic crust reached below in situ upper crustal lavas and dikes (Wilson et al., *Science*, doi:10.1126/science.1126090, 2006). As an expert in the alteration of ocean crust, Christine Laverne participated in seven of the cruises on the *Glomar Challenger* and the *JOIDES Resolution* that contributed getting this far. She shares her fourteen months of experi-

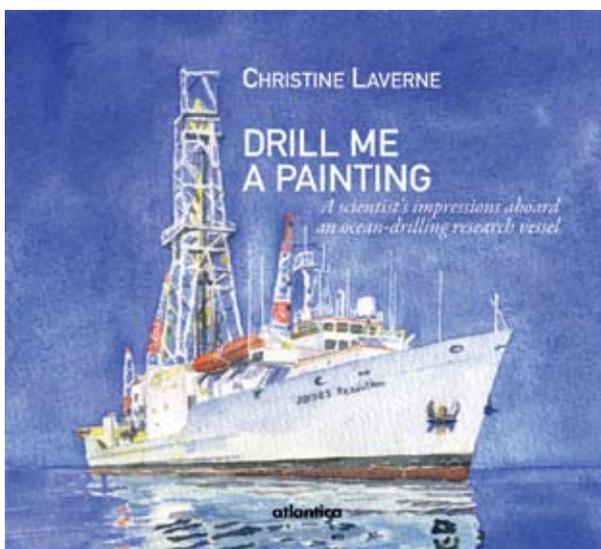


ence in a book beautifully illustrated with her own water colors illustrating: *Drill me a painting*.

The book is written in a lively, personal diary style and telling about life on board. This narrative is interwoven with sections explaining the scientific goals placed in the general context of Earth dynamics, or providing information on the drill ships, the drilling techniques, and the measurements made on board. Christine elucidates how a drilling cruise is a team effort, with all the participants focusing on a single aim—to drill deep and explore the unknown. She conveys how discouragement and excitement can alternate in concert with the progress of the drilling. Readers can also sense how she herself evolves from an inexperienced young one to a recognized scientist in her field—a well of knowledge for the younger generations. She also clearly explains the scientific goals of drilling and how the results contribute to our current understanding of the ocean crust that cover two-thirds of our planet. The combination of watercolors and scientifically very sound explanations is particularly attractive.

Participation in ocean drilling is not only a scientific challenge. It is also a human adventure. This is the message that Christine Laverne conveys to the reader with her enthusiasm and painting skills. If you want to convince a relative, a friend, or a neighbor that ocean drilling is an exciting endeavor, offer him or her this book. For young people, especially, it could even attract them to a career in science.

Welcome on board!



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