

## ACKNOWLEDGMENTS

Leg 169 was the second of a planned two-leg program to investigate hydrothermal circulation and the genesis of hydrothermal mineral deposits at sediment-covered spreading centers. The initial leg of this program was the highly successful Leg 139, which occurred in 1991. The planning and hard work that went into making Leg 169 such an incredible success extends to well before Leg 139 and involves the efforts of many individuals and organizations. It is not possible for those of us on Leg 169, who benefited from the efforts of those who preceded us, to adequately acknowledge all of those who deserve our thanks, but we would like to at least highlight the contributions of some of them.

Much of the original exploration and scientific investigation of Middle Valley was supported by the Geological Survey of Canada (GSC). Among the many GSC scientists who contributed to this effort, Earl Davis and Jim Franklin deserve special recognition for their scientific contributions and leadership.

Much of the background information that provided the foundation for drilling at Escanaba Trough was supported by the U.S. Geological Survey. We thank Bill Normark, Jan Morton, Randy Koski, and Mark Holmes for their leadership in directing several cruises to this area.

Earl Davis championed the original Middle Valley drilling proposal and has played a pivotal role in designing the drilling strategy employed on both Legs 139 and 169. His dedication, expertise, and especially his rigorous and creative approach to science have been critical to the completion of two successful ODP legs at Middle Valley. Earl Davis, Mike Mottl, Andy Fisher, and the entire Scientific Party of Leg 139 are also largely responsible for the success we enjoyed during Leg 169. Without their pioneering work, we would not have been able to focus our efforts as efficiently. Even though Keir Becker, Earl Davis, and Andy Fisher chose to abandon us and sail on Leg 168, all were important contributors to the successful reinstrumentation of the first CORKed holes (857D and 858G) drilled during Leg 139. Another member of the Leg 139 "Heatflow Heroes," who passed up an invitation to sail on Leg 169 for a spot on Leg 170, deserves special mention. Marcus Langseth was an important contributor to previous studies in Middle Valley and was a principal investigator on the PUPPI experiment conducted during Leg 169. Health problems precluded Marcus from sailing on Leg 170, and his death in late 1996 saddened all who had the good fortune to know him. We have lost more than an excellent scientist as Marcus was a trusted and admired friend to many of us, and we will miss him dearly. Those of us who sailed during Leg 139 would also like to acknowledge the contributions and warm companionship of Sergey Krasnov, who unfortunately has also passed on.

Legs 139 and 169 were technologically challenging and were only possible through the extensive support provided by ODP. Several individuals deserve special mention. Lou Garrison, in whose memory this volume and the Leg 168 *Initial Reports* are dedicated, was a champion of technological development within ODP. The challenging CORK replacement operations conducted for the first time during Leg 169, would not have succeeded without careful attention to the design of equipment and extensive precruise planning of the operation conducted by the ODP engineering staff, particularly Tom Pettigrew and Leon Holloway. At-sea implementation and innovative, on the spot revision of the planned reCORKing operation succeeded be-

cause of the talents and efforts of ODP Operations Manager Gene Pollard and Leon Holloway. Drilling in the high-temperature environment of the hydrothermal field was also a challenge for both the operators and the equipment, and we thank Sedco Drilling Superintendent Wayne Malone and the entire Sedco drilling crew for not only retrieving some of the most exciting core we have seen (occasionally shrink-wrapped in melted core liner), but also for creating a couple of new hydrothermal vents for our enjoyment and experimentation. Laboratory Officer Bill Mills and the entire ODP technical staff provided excellent support throughout the entire cruise. The professionalism of Captain Edwin Oonk and his crew made the ship operations so smooth as to be transparent to the scientific party. Yeoperson Michiko Hitchcox provided the dedicated effort to our leg for which she is well known to many, and Chris Mato stepped in as a last-minute replacement to handle the thankless job of Curatorial Representative. Last, but certainly not least, we thank all of the talented and hard-working staff of the ODP Publications Services Department who assisted us in preparing this volume.

There are many more individuals and institutions whose efforts are not highlighted above, but who nevertheless have contributed to the success of Leg 169. The team that deserves credit for the accomplishments during Leg 169 extends well beyond the hard-working scientific crew who sailed on the leg and those mentioned above, and we thank all who have worked behind the scenes to contribute to this effort.