# Acknowledgments

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John Ousterhout quizzed me in my qualifying exam, inspiring new ideas and making the name “Active Messages” stick, for which I am very grateful. As I found out later, the name was already overloaded [Wal82, LM85], but fortunately in a quite different context.

I developed the first implementation of Active Messages on the nCUBE/2. The kernel hacking necessary would not have been possible without the help of nCUBE Corp. which supplied not only the kernel sources, but also loaned us a 4-processor “baby cube” to reboot at leisure. I would particularly like to thank Steve Colley, Erik de Benedictis, and Kevin Kissell who helped put all the pieces together. The big-machine benchmark runs were made on the 1024-node machine at Sandia Nat’l Labs and I am grateful to the Sandia crew for being able to take the machine over one evening during Supercomputing ‘91 while the habitual users were enjoying the cocktails in the hospitality suites...

The kind folks at Thinking Machine Corp. were invaluable in getting Active Messages onto the CM-5 quickly. The technicians rolled a great machine into the basement and Moose (Adam Greenberg) gave us a jump-start lecture on the CM-5 which got us up and running in a week. In an uncomplicated manner, which we immediately appreciated, he just walked into our office and explained how the CM-5 network interface worked. As simple as that. No top secrets, no NDAs, no signing-your-life-away. Back in Cambridge, Moose remained our primary source for help. I can’t recount how many times I sent him a question at 2am (PST) just to receive an answer three minutes later (no, he didn’t get up early). This was just the beginning for great relationships with many others at TMC, most of which Steve Heller helped coordinate. He made sure our problem reports didn’t fall through the cracks, he translated our requests into TMC-speak with humor, and otherwise pulled the right strings at the right time. Thanks for your dedication Steve! I am also immensely thankful to Lew Tucker who invited me as a consultant during the summer of ‘92 to infect the CMMD team with Active Messages. During my stay in Cambridge, the entire CMMD team was wonderful to work with, in particular, Alan Mainwaring and Moose taught me about all the intricacies of send&receive implementations using interrupts and about the CM5 vector units. My final thanks go to whomever was responsible for keeping the references to Active Messages and to Berkeley alive in the product literature.

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