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Making & Doing

Activating STS through Knowledge Expression and Travel

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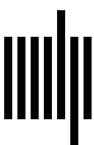
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As a demo account of STS making & doing, this book joins other scholarship that activates STS through nonlinear forms of knowledge expression and travel. We happily and gratefully acknowledge all the techniques, devices, infrastructures, and, especially, selves that are expanding STS scholarship by turning STS lessons onto STS work, both through and beyond this volume.

We are especially grateful for the committed contributions by authors of the ten demo accounts in this book, as well as the many agents and practices that animate their projects. We have greatly appreciated the willingness of authors to accept our invitations to write their projects and to produce reviews of two other demo accounts and our draft introduction as imagined coauthors. We are equally thankful to Kim Fortun for her gift of two reviews that, likewise, contributed to draft demo accounts. We also thank three anonymous reviewers whose thoughtful and insightful critical commentary on the draft manuscript became crucial contributions to the final version. And we thank Laura Zeefat for drafting an index that expresses the scholarship of STS making & doing in ways that help it attach to interested readers.

In this project, the name Katie Helke quickly came to stand for the massive array of editorial and production techniques, devices, infrastructures, and selves that are enabling this volume to express STS sensibilities and make them travel into new empirical and scholarly arenas. As acquisitions editor for STS at MIT Press, Katie strongly encouraged us to launch this experimental endeavor and thoughtfully guided us through the infrastructures of prospectus review, contract development, external review, editorial recommendation, final editorial board review, and production. Reading and responding to everything closely and with a sharp eye, she is also responsible for this book having a concluding coda. Thank you, Katie, for everything. We also thank Laura Keeler, assistant acquisitions editor, for carefully attaching the appropriate production practices to the manuscript and ensuring its flow

through to publication. And we thank production editor John Donohue and copy editor Mary Ann Short for significantly increasing the quality of the volume by adding themselves and their knowledge practices to it.

We are grateful for the funding provided to MIT Press by the Arcadia Fund to make this volume available as an open access publication. Adding open access to print publication dramatically expands the book's reach, hopefully accelerating the expansion of nonlinear scholarship that expresses STS knowledge through STS sensibilities and attaches it in empirical arenas. We are pleased for these demo accounts and authors to participate in an infrastructure of scholarly travel that prioritizes access.

Our joint journey into the lexicon of STS making & doing began with a hike in Virginia in 2013. Each of us brought to the collaboration prior commitments and track records dedicated to experiments in learning through interactions in our fields of scholarly work. Our collaboration continued with Gary establishing and Teun serving on the STS Making & Doing Committee during Gary's presidency of the Society for Social Studies of Science (4S; 2013–2015). We acknowledge crucial early contributions from other members of that first committee, as well as from the 4S Council and its officers (see the coda for details). The collaboration expanded through our joint preparations for the 2014 Summer School of the Netherlands Graduate Research School of Science, Technology, and Modern Culture (WTMC), for which Gary served as anchor teacher and Teun as speaker and curriculum coordinator (together with Geert Somsen, Maastricht University). We are pleased to acknowledge the students at that summer school—Alejandro Balanzo, Wieke Betten, Tessa Cramer, Michael Anthony Dizon, Claudia Egger, Susan van Hees, Suyash Jolly, Marije de Jong, Kristen Koopman, David Louwrier, Floortje Moes, Thomas Mougey, Carla Alvial Palavicino, Tineke van der Schoor, Frans Sengers, Maria Alejandra Tejada, Bart Walhout, Sarah Weingartz, Willemine Willems, and Esther de Wit, as well as WTMC's director, Sally Wyatt, and contributing STS interlocutors Stuart Blume, Erik Fisher, Sheila Jasanoff, Cory Knobel, Brian Martin, Jessica Mesman, and Helga Nowotny. Gary also acknowledges research assistance from Kristen Koopman in preparation for the summer school.

The STS Making & Doing program, as introduced and maintained by the 4S, remains possible though the enthusiastic and committed work of members of the STS Making & Doing organizing and awards committees. The coda acknowledges all by name and in context. We have also greatly appreciated the sustained support that Lucy Suchman, Kim Fortun, and Joan Fujimura, as 4S presidents, and 4S Council members and officers have given to this program. The many contributors to the programs at 4S meetings in Denver, Boston, Sydney, and New Orleans, and at the 4S/EASST meeting in "virtual Prague" have made clear the importance of positioning making & doing work as central to STS scholarship. May the intellectual passions and academic joys that come with demonstrating and accounting for STS making & doing continue to fill those rooms.

Gary: My contributions to this project have benefited greatly from an exceptionally supportive and collaborative work environment in Virginia Tech's Department of Science, Technology, and Society, as well as from the university's openness to experimental work in engaged scholarship. I learned much from graduate students and visiting interlocutors in the experimental courses "What Is STS For? What Are STS scholars For?" and "Engaged STS." My evolving commitment to nonlinear STS scholarship gained much from early collaboration with Juan Lucena, multiple discussions with Matthew Wisnioski, generative exchanges with Kacey Beddoes and Brent Jesiek, inspiring work with many graduate advisees as they sorted their own STS trajectories, and an especially timely conversation with Joseph Dumit. I acknowledge collaborations with many scholars working to build critical participation into the heart of engineering studies scholarship, especially through the International Network for Engineering Studies (INES), and while I served as editor of *Engineering Studies*. I am grateful to many colleagues in the 4S who offered advice, critical commentary, encouragement, and labor to recognize and advance nonlinear STS scholarship while I served as president. I was shocked to encounter such interest and energy when my term began, then overjoyed to learn that the commitment and scholarship were there all along. And Teun, I am especially grateful to you. I had thought I understood learning. I did not. We came together around an emergent vision of STS making & doing as scholarship. Your attention to reflexive learning became central for me, preventing us from reproducing the linear model through an image of knowledge travel. I smile at remembering how the differences between us never melted away but produced a continuing resonance that made the collaboration that is us so much greater than just two. Thank you, my friend.

Teun: I am especially thankful for the early support I received from the generative working environment of the Healthcare Governance group, headed by Roland Bal, at the Erasmus School of Health Policy and Management, Erasmus University Rotterdam, and the strong, shared commitment I experienced there to the theoretically informed study of change by realizing it. Dedicating substantial time to the development of the Making & Doing program within the 4S became possible through a research fellow grant in the Future Research Leaders program that was run by Linköping University, Sweden, and that was embedded in the inspiring Department of Thematic Studies—Technology and Social Change. This program, which is primarily based on giving confidence rather than targets, gave me the chance to dedicate time to infrastructural work that had otherwise been unthinkable. Maintaining equally strong commitments to infrastructural work and to theorizing is something I could not have imagined learning without the many exchanges with Geof Bowker. Thank you for your deep commitment to caring experiments, with technology, theory, text, and spirituality, and for our friendship. I truly enjoyed and learned from the close collaboration with Michaela Spencer in preparing and curating the Sydney

Making & Doing program. This work has received further support from the Athena Institute of the Vrije Universiteit Amsterdam, a collective so deeply involved in a wide range of STS making & doing scholarship that it is incredibly hard to keep up with all the inspiring work. It feels like a true academic home. Doctoral students and other colleagues make every day a deeply creative, joyful experience. It feels like a privilege to be involved in (y)our projects. I am grateful to Joske Bunders, Barbara Regeer, Jacqueline Broerse, Marjolein Zweekhorst, and so many others for growing the academic institutional ecology I would have wanted to help grow, had I had the chance and had I imagined it possible. It is a pleasure and a privilege to be given that chance now. Throughout all those years and while I moved between institutions, Gary Downey has been a source of continued inspiration. Our friend/scholarship is something I deeply cherish. You showed me how to consider STS work, *including* teaching, as a profound encounter of concepts, practices, bodies and selves—and how I should learn to reverse that order.

Just as this form of scholarship blurs the boundary separating scholar identities from other identities, so does it call special attention to those intimate relationships that infuse us with energy and purpose and give us strength to push on.

Gary: To Marta, my forever partner, I rely every day on the remarkable trust that you and I share. Your extraordinary generosity and enthusiastic embrace of living keep our work positioned as fulfilling parts of our life together. I love you. Jamie, Megan and Adam, Michael and Kate, and Leah, my children and children-in-law, and Nicholas, Andrew, Casey, and Ben, my grandsons, I draw inspiration and intense pleasure from watching and learning from your energized engagements with your own lives. Being there continues to be a great privilege and source of endless joy. I love you. Thank you, all.

Teun: The boundaries between my scholarly and other identities are so blurred as to be chimerical. Sonja, you are already so much part of this book that acknowledgments would invoke a distance that does not exist. For this, I am deeply grateful.

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