

LITERATURE, LANGUAGE, AND THE RISE OF THE INTELLECTUAL DISCIPLINES IN BRITAIN, 1680–1820

The current divide between the sciences and the humanities, which often seem to speak entirely different languages, has its roots in the way intellectual disciplines developed in the long eighteenth century. As various fields of study became defined and to some degree professionalized, their ways of communicating evolved into an increasingly specialist vocabulary. Chemists, physicists, philosophers, and poets argued about whether their discourses should become more and more specialized, or whether they should aim to remain intelligible to the layperson. In this interdisciplinary study, Robin Valenza shows how Isaac Newton, Samuel Johnson, David Hume, Adam Smith, Samuel Taylor Coleridge, and William Wordsworth invented new intellectual languages. By offering a much-needed new account of the rise of the modern disciplines, Robin Valenza shows why the sciences and humanities diverged so strongly, and argues that literature has a special role in navigating between the languages of different areas of thought.

ROBIN VALENZA is Assistant Professor of English at the University of Chicago.



LITERATURE, LANGUAGE, AND THE RISE OF THE INTELLECTUAL DISCIPLINES IN BRITAIN, 1680–1820

ROBIN VALENZA





CAMBRIDGE UNIVERSITY PRESS Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Dubai, Tokyo

> Cambridge University Press The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org Information on this title: www.cambridge.org/9780521767026

© Robin Valenza 2009

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2009

Printed in the United Kingdom at the University Press, Cambridge

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication data Valenza, Robin.

Literature, language, and the rise of the intellectual disciplines in Britain, 1680–1820 / Robin Valenza.

p. cm.
Includes bibliographical references and index.
ISBN 978-0-521-76702-6 (hardback) I. English poetry—
18th century—History and criticism. 2. Literature and science—Great Britain—
History—18th century. 3. Language and culture—Great Britain—History—
18th century. 4. Science and the humanities—Great Britain—History—18th century.

 Great Britain–Intellectual life–18th century. 1. Title. PR555.833V36 2009

820.9'005-dc22 2009026029

ISBN 978-0-521-76702-6 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication, and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.



Contents

List of Figures Acknowledgments		<i>page</i> vii viii
Ι	The Economies of Knowledge	I
2	The Learned and Conversable Worlds	37
3	Physics and its Audiences	54
4	Philosophy's Place Between Science and Literature	92
5	Poetry Among the Intellectual Disciplines	139
Coda: Common Sense and Common Language		173
Notes		178
Works Cited		222
Index		236



Figures

An anatomy of the kinds of books reviewed in the *Literary Magazine*, or, the History of the Works of the Learned page 101
 A "Systematical View of Human Knowledge," from Croker's *Dictionary*



Acknowledgments

I owe immeasurable debts of gratitude to many people. Without John Bender's guidance as expert and friend this book would not have been possible. His willingness to read endless drafts and to offer wise and kind advice has been nothing short of superhuman. Terry Castle's brilliant imagination and wit have inspired me from the instant we met. Her eighteenth century is a marvelous one, and I thank her for helping me to find my way in it. Meeting Franco Moretti was an unexpected gift and an extraordinary blessing. Our conversations have deepened my understanding of so many things, that I cannot begin to number them here. John, Terry, and Franco have all shown me what interdisciplinary scholarship can be, for which I can only say, "thank you."

Among the many wonderful teachers I have had, I would especially like to thank Shirley Brice Heath for being a wonderful mentor, Seth Lerer for extending his boundless intellectual generosity, and Denise Gigante for teaching me about madness and sensibility. I am also grateful to Andrea Lunsford, Jennifer Thorn, George Gopen, and Cynthia Herrup, who continue to foster my growth as a teacher and a scholar.

Jesse Molesworth, Jenn Fishman, and Adam Casdin read my work at its most vulnerable stages. This project has benefited enormously from their wisdom. I am also immensely appreciative of Joann Kleinneiur's eleventh-hour assistance with Stanford Special Collections.

My time in Chicago has sharpened my work in ways that only the University of Chicago can. Jim Chandler has been an extraordinary interlocutor, without whom the finished book would have been unthinkable. Beth Helsinger, Bill Brown, Tom Mitchell, and Josh Scodel have given me invaluable responses to my work. Working on the same corridor with Lauren Berlant, Bradin Cormack, Sandra Macpherson, and Eric Slauter has led to serendipitous and fruitful discussions, for which I am truly grateful. I also thank Jay Schleusener, Elaine Hadley, Richard Strier, and Christina von Nolcken for their careful reading of my work. A full list



Acknowledgments

ix need

of my colleagues who have made their mark on this book would need to include Lorraine Daston, Adrian Johns, Leela Gandhi, Alison Winter, Dipesh Chakrabarty, Larry Rothfield, Bob von Hallberg, Chicu Reddy, Ken Warren, Clark Gilpin, Jackie Goldsby, Raúl Coronado, and Arnold Davidson, but even this list is sadly incomplete.

The Eighteenth- and Nineteenth-Century Cultures workshop has been a godsend. I am indebted to our graduate student and faculty participants. Special thanks go to Criscillia Benford, Andrea Haslanger, John Barrell, Jenny Davidson, Samantha Fenno, Penny Fielding, Kate Gaudet, Sarah Kareem, Emily Ponder, Heather Keenleyside, Jonathan Kramnick, Jon Mee, Mary Poovey, Eli Thorkelson, Cynthia Wall, and Abigail Zitin.

Early versions of Chapters 3, 4, and 5 were presented as talks at the University of British Columbia, the University of Chicago, and Dartmouth College. I thank the faculties at these universities, in addition to the faculty at the University of Illinois, for their thoughtful responses to my work.

The writing of this book was funded by grants from the Mellon Foundation, Stanford Humanities Center, and the Stanford English department; all three organizations have nourished this project in ways that would not have been possible without their aid. Linda Bree and Maartje Scheltens at Cambridge University Press have made publishing my first book an exhilarating experience. They deserve universal applause. I am also beholden to the two anonymous readers whose careful, detailed comments guided my revisions to the manuscript.

My family has sustained me through this strange and overwhelming adventure. Patricia Valenza has given me a lifetime of love and support. Tim Yu has stood by me in sickness and in health, in laughter and in tears. Each has read every page of this book a dozen times over without a word of complaint. This book is dedicated to them, and to the memory of my father, James Valenza.