THE NATURE OF DIFFERENCE

Sciences of Race in the United States from Jefferson to Genomics

edited by Evelynn M. Hammonds and Rebecca M. Herzig

The MIT Press Cambridge, Massachusetts London, England

© 2008 Massachusetts Institute of Technology

All rights reserved. No part of this book may be reproduced in any form by any electronic or mechanical means (including photocopying, recording, or information storage and retrieval) without permission in writing from the publisher.

MIT Press books may be purchased at special quantity discounts for business or sales promotional use. For information, please email special_sales@mitpress.mit.edu or write to Special Sales Department, The MIT Press, 55 Hayward Street, Cambridge, MA 02142.

This book was set in Stone Serif and Stone Sans by Asco Typesetters, Hong Kong. Printed and bound in the United States of America.

Library of Congress Cataloging-in-Publication Data

The nature of difference: sciences of race in the United States from Jefferson to genomics / edited by Evelynn M. Hammonds and Rebecca M. Herzig.

p. cm.

Includes bibliographical references and index.

ISBN 978-0-262-08375-1 (hardcover : alk. paper) — ISBN 978-0-262-58275-9 (pbk. : alk. paper)

- 1. Race—Study and teaching—United States—History. 2. Race—Study and teaching—United States—History—Sources. 3. Science—Social aspects—United States—History.
- 4. Science—Social aspects—United States—History—Sources. 5. Difference (Psychology)—Social aspects—United States—History. 6. Difference (Psychology)—Social aspects—United States—History—Sources. 7. Race awareness—United States—History. 8. Race awareness—United States—History—Sources. 9. United States—Race relations—History. 10. United States—Race relations—History—Sources. I. Hammonds, Evelynn Maxine. II. Herzig, Rebecca M.

HT1506.N38 2009

305.800973—dc22 2007032265

Contents

Introduction xi

I	DICTIONARY DEFINITIONS OF "RACE" 1
	Introduction 3
1.1	A Complete Pronouncing Medical Dictionary: Embracing the Terminology of Medicine and the Kindred Sciences, with their Signification, Etymology, and Pronunciation (1886) 4 J. Thomas
1.2	A Practical Medical Dictionary (1911) 5 T. L. Stedman
1.3	Gould's Medical Dictionary: Containing All the Words and Phrases Generally Used in Medicine and the Allied Sciences, with Their Proper Pronunciation, Derivation, and Definition Based on Recent Medical Literature (1928) 5 G. M. Gould
1.4	Dictionary of Anthropology (1956) 6 C. Winick
1.5	A Dictionary of Scientific Terms (1957) 6 I. F. Henderson and W. D. Henderson
1.6	Dictionary of the Biological Sciences (1967) 7 P. Gary
1.7	A Dictionary of Anthropology (1972) 7 D. M. Davies
1.8	McGraw-Hill Dictionary of the Life Sciences (1976) 8
1.9	Macmillan Dictionary of Anthropology (1986) 8 C. Seymour-Smith
1.10	International Dictionary of Medicine and Biology (1986) 8 S. I. Landau, ed.
1.11	Dictionary of Genetics and Cell Biology (1987) 9 N. Maclean

vi	Contents
1.12	Glossary of Genetics: Classical and Molecular (1991) 9 R. Rieger
1.13	Encyclopedia & Dictionary of Medicine, Nursing, & Allied Health (1992) 10 B. F. Miller
1.14	A Dictionary of Genetics (1997) 10 R. King
1.15	The Cambridge Dictionary of Human Biology and Evolution (2005) 10 L. L. Mai, M. Young Owl, and M. P. Kersting
2	ANATOMICAL OBSERVATIONS 13
	Introduction 15
2.1	"Laws" (Query XIV) (1781–1782) 19 Thomas Jefferson
2.2	"Letter to the Secretary of State" (1791) 33 Benjamin Banneker
2.3	Thomas Jefferson's reply to Banneker (1791) 36
2.4	"The Effect of Circumstances upon the Physical Man" (1854) 37 Frederick Douglass
2.5	"Peculiarities in the Structure and Diseases of the Ear of the Negro" (1887) 42 T. E. Murrell
2.6	"The Deformity Termed 'Pug Nose' and Its Correction by a Simple Operation" (1887) 52 John Orlando Roe
2.7	"The Hair and Wool of the Different Species of Man" (1850) 58

"On Some of the Apparent Peculiarities of Partuition in the Negro Races"

61

"Report on the Diseases and Physical Peculiarities of the Negro Race"

2.8

3

3.1

(1875)

Introduction

(1851)

59 Joseph Taber Johnson

67 Samuel A. Cartwright

IMMUNITY AND CONTAGION

63

vii	Contents
3.2	"The Plague Spot" (1878) 87 Mary P. Sawtelle
3.3	"Consumption Among the Indians" (1887) 89 Washington Matthews
3.4	"Does Pulmonary Consumption Tend to Exterminate the American Indian?" (1887) 95 Thomas Mays
3.5	"The Study of Consumption Among the Indians" (1887) 100 Washington Matthews
4	EVOLUTION AND DEGENERATION 103
	Introduction 105
4.1	"The Impossibility of Acclimatizing Races" (1861) 113
4.2	"Vital Statistics of the Negro" (1892) 116 Frederick L. Hoffman
4.3	"The Influence of Environment and Race on Diseases" (1910) 129 C. W. Birnie
4.4	"How to Improve the Race" (1914) 135 Alexander Graham Bell
5	TECHNIQUES OF MEASUREMENT 145
	Introduction 147
5.1	Investigations in the Military and Anthropological Statistics of American Soldiers (1869) 151 Benjamin Gould
5.2	"Some Recent Criticisms of Physical Anthropology" (1899) 155 Franz Boas
5.3	"Observations on the Sweat Glands of Tropical and Northern Races" (1917) 161 Filhert Clark and Ruskin H. Lhamon

"The Color-Top Method of Estimating Skin Pigmentation" (1930)

168

5.4

5.5

H. A. Bowman

W. Montague Cobb

"Race and Runners" (1936) 179

6	GLANDULAR DIFFERENCES 195
	Introduction 197
6.1	"The Gland As a Clue to the Mystery of Human Faces" (1920) 201
6.2	"Man and the Endocrines: With Stress on the Female" (1921) 205 G. K. Dickinson
6.3	The Glands Regulating Personality: A Study of the Glands of Internal Secretion in Relation to the Types of Human Nature (1921) 210 Louis Berman
6.4	"The Relation of the Endocrine Glands to Heredity and Development" (1922) 223 Lewellys F. Barker
6.5	Endocrinology in Modern Practice (1939) 231 William Wolf
7	HYBRIDITY AND ADMIXTURE 235
	Introduction 237
7.1	"Effects of Race Intermingling" (1917) 241 C. B. Davenport
7.2	"Biological and Social Consequences of Race-Crossing" (1926) 245 W. E. Castle
7.3	"Racial Fusion Among the California and Nevada Indians" (1943) 255 S. F. Cook
7.4	"The Physical Characteristics of the Hybrid" (1944) 266 Louis Wirth and Herbert Goldhamer
8	TOWARD GENETICS 277
	Introduction 279
8.1	"The Race Concept in Biology" (1941) 281 Theodosius Dobzhansky
8.2	"Rh and the Races of Man" (1951) 287 William C. Boyd
8.3	"On the Non-Existence of Human Races" (1962) 296 Frank B. Livingstone and Theodosius Dobzhansky

8.4	"The Genetic Basis of Human Races" (1968)	302
	Bentley Glass	

9 THE END OF RACE? 307

Introduction 309

- 9.1 "Statement on Race" (1950) 313 UNESCO
- 9.2 "Statement on Biological Aspects of Race" (1996) 319
 American Association of Physical Anthropologists
- 9.3 "Statement on Race" (1999) 322
 American Anthropological Association
- 9.4 "Categorization of Humans in Biomedical Research: Genes, Race, and Disease" (2002) 325Neil Risch, Esteban Burchard, Elad Ziv, and Hua Tang
- 7.5 The Importance of Collecting Data and Doing Social Scientific Research on Race
 (2003) 346
 American Sociological Association
- 9.6 "Zebrafish Researchers Hook Gene for Human Skin Color" (2005) 358
 Michael Balter
- 9.7 "SLC24A5, a Putative Cation Exchanger, Affects Pigmentation in Zebrafish and Humans" (2005) 360

Rebecca L. Lamason, Manzoor-Ali P. K. Mohideen, Jason R. Mest, Andrew C. Wong, Heather L. Norton, Michele C. Aros, Michael J. Jurynec, Xianyun Mao, Vanessa R. Humphreville, Jasper E. Humbert, Soniya Sinha, Jessica L. Moore, Pudur Jagadeeswaran, Wei Zhao, Gang Ning, Izabela Makalowska, Paul M. McKeigue, David O'Donnell, Rick Kittles, Esteban J. Parra, Nancy J. Mangini, David J. Grunwald, Mark D. Shriver, Victor A. Canfield, and Keith C. Cheng

Index 369