

VOLUME 6

FALL 1994

NUMBER 4

DEVELOPMENT AND PSYCHOPATHOLOGY

Editor

DANTE CICCHETTI, PhD

Deputy Editor

BARRY NURCOMBE, MD

SPECIAL ISSUE

*Neural Plasticity, Sensitive Periods,
and Psychopathology*

EDITORS

DANTE CICCHETTI & DON TUCKER

CAMBRIDGE
UNIVERSITY PRESS

Editor

Dante Cicchetti, PhD

*Department of Psychology,
University of Rochester
Director, Mt. Hope Family
Center*

Associate Editors

Donald J. Cohen, MD

Yale University Child Study Center

Norman Garnezy, PhD

University of Minnesota

David Magnusson, PhD

University of Stockholm

Marian Radke-Yarrow, PhD

*National Institute of Mental Health
(USA)*

Editorial Board

Thomas Achenbach, PhD

University of Vermont

Thomas F. Anders, MD

Bradley Hospital, Brown University

Simon Baron-Cohen, PhD

Institute of Psychiatry, London

Francine M. Benes, MD, PhD

Harvard Medical School

Susan B. Campbell, PhD

University of Pittsburgh

Rochelle Caplan, MD

University of California, Los Angeles

Roland Ciaranello, MD

Stanford University Medical Center

John Coie, PhD

Duke University

Eric Courchesne, PhD

*Children's Hospital Research Center
San Diego, California*

Ronald Dahl, MD

*Western Psychiatric Institute
University of Pittsburgh*

Richard Davidson, PhD

University of Wisconsin, Madison

Geraldine Dawson, PhD

University of Washington

Kenneth A. Dodge, PhD

Vanderbilt University

Judy Dunn, PhD

Pennsylvania State University

Felton Earls, MD

Harvard Medical School

Byron Egeland, PhD

University of Minnesota

Judy Garber, PhD

Vanderbilt University

Cynthia Garcia Coll, PhD

Brown University

Irving Gottesman, PhD

University of Virginia

Mark Greenberg, PhD

University of Washington

Constance Hammen, PhD

University of California, Los Angeles

Susan Harter, PhD

University of Denver

Paul Harris, PhD

University of Oxford

Deputy Editor

Barry Nurcombe, MD, FRACP

*Vanderbilt University College
of Medicine
Director, Division of Child &
Adolescent Psychiatry*

Lee Robins, PhD

Washington University, St. Louis

Michael Rutter, MD

*Institute of Psychiatry,
University of London, UK*

Rainer K. Silbereisen, PhD

University of Giessen, Germany

L. Alan Sroufe, PhD

University of Minnesota

Steven Hinshaw, PhD

University of California at Berkeley

Peter Hobson, PhD

The Tavestock Clinic, London

Peter Jensen, MD

National Institute of Mental Health

Bethesda, Maryland

Alan E. Kazdin, PhD

Yale University

Alicia Lieberman, PhD

San Francisco General Hospital

Rolf Loeber, PhD

*University of Pittsburgh, Western
Psychiatric Institute and Clinic*

Ann Masten, PhD

University of Minnesota

Peter Mundy, PhD

University of Miami

Gil Noam, PhD

Harvard Medical School

Bruce Pennington, PhD

University of Denver

Robert Plomin, PhD

Pennsylvania State University

Michael Posner, PhD

University of Oregon

Frank Putnam, MD

*National Institute of Mental Health
Bethesda, Maryland*

John Richters, PhD

*National Institute of Mental Health
Rockville, Maryland*

Fred Rogosch, PhD

Mt. Hope Family Center, Rochester

David Shaffer, MB, FRCP

Columbia University

Margaret Spencer, PhD

University of Pennsylvania

Eric Taylor, MD

Institute of Psychiatry, London

Don Tucker, PhD

University of Oregon

Brent Waters, MD

University of New South Wales

Daniel Weinberger, MD

NIMH

John Weisz, PhD

University of California at Los Angeles

DEVELOPMENT AND PSYCHOPATHOLOGY

ISSN 0954-5794

Aims and Scope: *Development and Psychopathology* is an international multidisciplinary journal devoted to the publication of original empirical, theoretical, and review articles on the interrelationship of normal and pathological development in children and adults.

Editorial Office:

Dante Cicchetti, PhD
Department of Psychology
Director, Mt. Hope Family Center
University of Rochester
187 Edinburgh Street
Rochester, NY 14608
telephone: (716) 275-2991

Publishing, Production, and Advertising

Office: Cambridge University Press, 40 West 20th Street, New York, NY 10011.

Subscription Offices: (for U.S.A., Canada, and Mexico) Cambridge University Press, 40 West 20th Street, New York, NY 10011; (for U.K. and elsewhere) Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, England.

1994 Subscription Information:

Development and Psychopathology (ISSN 0954-5794) is published quarterly. Annual subscription rates: Institutional, US \$112 in U.S.A., Canada, and Mexico, UK £63 + VAT elsewhere; Individual, US \$51 in U.S.A., Canada, and Mexico, UK £29 + VAT elsewhere; Single Part, US \$29 in U.S.A., Canada, and Mexico, UK £17 + VAT elsewhere. Prices include postage and insurance. Air mail or registered mail is extra. Back volume prices are available upon request.

Indexing. This journal is covered in *Child Development Abstracts & Bibliography*, *Current Contents/Social & Behavioral Sciences*, and *Social Sciences Citation Index*.

Copyright © 1994 Cambridge University Press

All rights reserved. No part of this publication may be reproduced, in any form or by any means—electronic, photocopying, or otherwise—without written permission from Cambridge University Press.

Photocopying Information (for U.S.A. only): The Item-Fee Code for this publication (0954-5794/94 \$5.00 + .00) indicates that copying for internal or personal use beyond that permitted by Sec. 107 or 108 of the U.S. Copyright Law is authorized for users duly registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the appropriate remittance of \$5.00 per article is paid directly to: CCC, 222 Rosewood Drive, Danvers, MA 01923. Specific written permission must be obtained for all other copying; contact the nearest Cambridge University Press office. Contact the *ISI Tearsheet Service*, 3501 Market Street, Philadelphia, PA 19104, for single copies of separate articles.

Second class postage paid at New York, NY, and additional mailing offices.

Postmaster: Send address changes in the U.S.A., Canada, and Mexico to: *Development and Psychopathology*, Cambridge University Press, 110 Midland Avenue, Port Chester, NY 10573.

Printed in the United States of America.

DEVELOPMENT AND PSYCHOPATHOLOGY

Volume 6

Fall 1994

Number 4

SPECIAL ISSUE

*Neural Plasticity, Sensitive Periods,
and Psychopathology*

EDITORS

DANTE CICCHETTI

DON TUCKER



CAMBRIDGE
UNIVERSITY PRESS