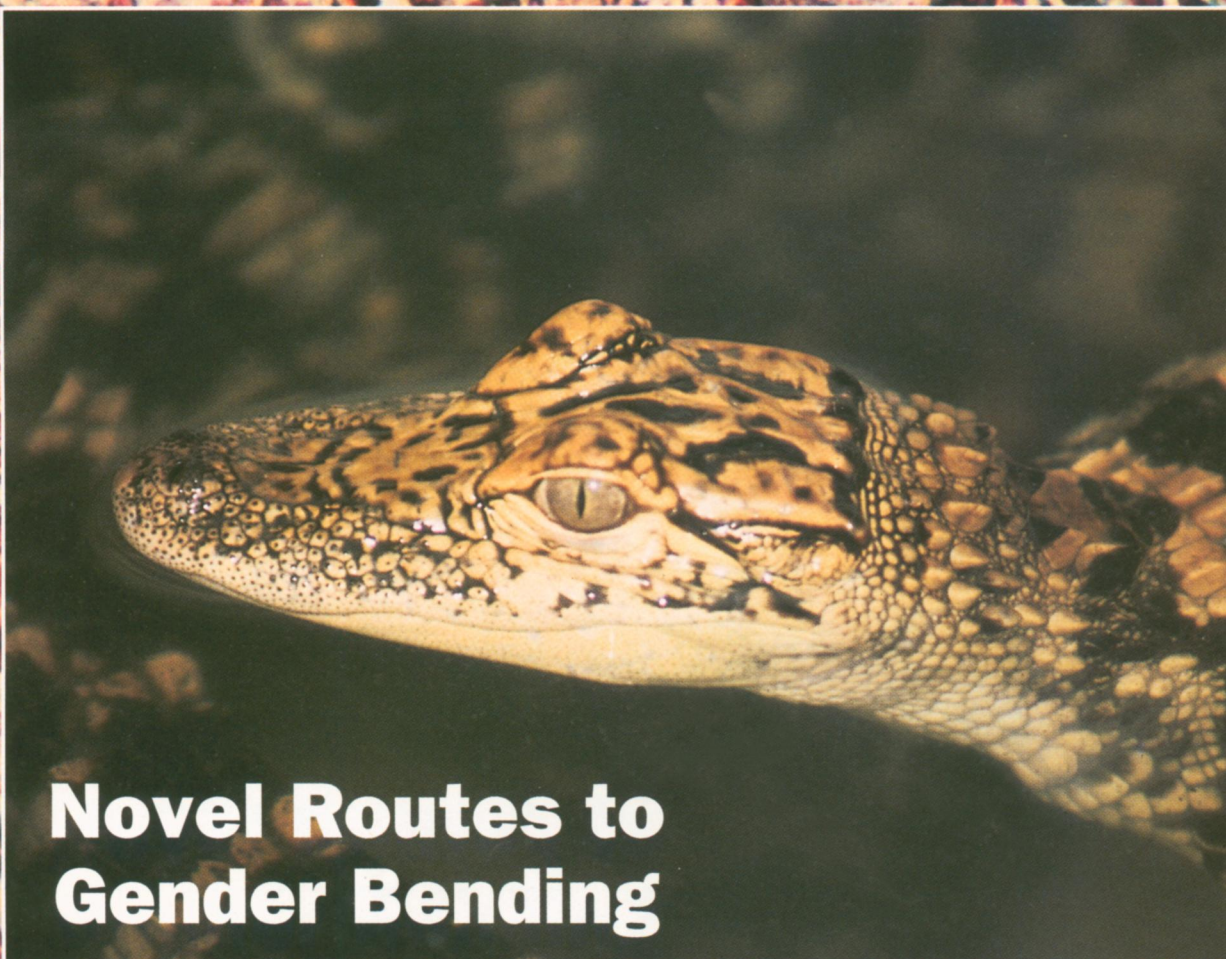


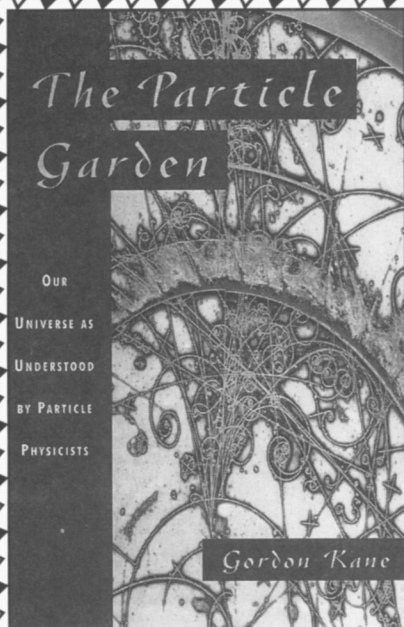
The Weekly Newsmagazine of Science

SCIENCE NEWS

July 15, 1995
Vol. 148, No. 3
Pages 33-49



Novel Routes to Gender Bending



**To order by phone from
Science News Books, call
1-800-544-4565
(Visa or MasterCard Only)
In D.C. Area: 202-331-9653**

*Addison Wesley, 1995, 224 pages,
5½" x 8½", hardcover, \$22.00*

As recently as 1960 we did not know of the up quarks and down quarks that combine with electrons to form everything from atoms to stars at the farthest reaches of the universe. Today, there is a successful theory — called the “Standard Theory” of particle physics — that describes what constitutes matter, what forces act on particles, and what rules govern interactions. In *The Particle Garden*, Professor Gordon Kane provides a lucid, non-technical survey of particle physics including a full explication of the Standard Theory, its experimental foundations, and its implications for understanding how our universe works.

The Particle Garden begins with a fascinating history of how scientists arrived at their current understanding of the underlying laws of the universe. Then Kane shows how groups of physicists build and use giant accelerators and colliders to “see” things a million million times smaller than what scientists could observe using the first microscopes four centuries ago.

In the latter third of the book, Kane explains how the Standard Theory is being extended to incorporate such ongoing research topics as Higgs bosons, supersymmetry, dark matter, and superstrings. And, perhaps most exciting is a “supersymmetric grand unification.” In *The Particle Garden*, Gordon Kane marshals his research and teaching experience to make these efforts clear and significant to all of us.

—from Addison Wesley

Science News Books, 1719 N Street, NW, Washington, DC 20036

PartGardenH

Please send me _____ copies of *The Particle Garden*. I include a check payable to Science News Books for \$22.00 plus \$2.00 postage and handling for each book (total \$24.00). Domestic orders only.

Name _____

Address _____

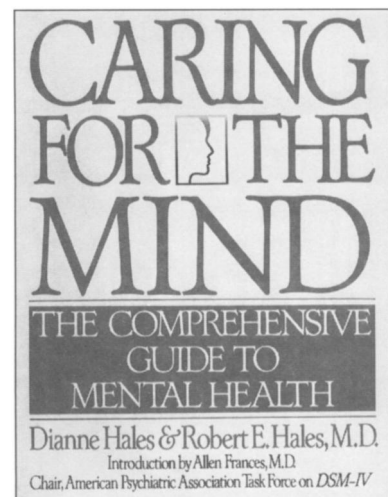
City _____ State _____ Zip _____

Daytime Phone _____

(used only for problems with order)

RB2334

To order by phone, call: 1-800-544-4565 (Visa or MasterCard only) In D.C. area: 202-331-9653



*Bantam Books, 1995, 873 pages,
7½" x 9½", hardcover, \$39.95*



**“Finally the consumer of mental
services has a Merck Manual for
the psychiatry of the 90s.”**

—Elissa P. Benedek, M.D.
Past President, American Psychiatric
Association

In the course of a lifetime, one of every three people develops a mental disorder. Problems of the mind touch the lives of more persons than illnesses such as heart disease and cancer.

This remarkable book represents the art and science of caring for the mind. It is both a compendium of mental health and mental disorders and an indispensable guide to what can be done to help. Combining extensive, insightful discussions of the nature of each condition with practical information, it offers lay readers clear presentations of each condition in a systematic format: what it is, how it feels, causes, when to seek help, signs and symptoms, diagnosis, state-of-the-art treatment (therapy, medication, self-help), risks and complications, impact on relationships, and prognosis. Vivid case histories further illuminate the chapters.

Readers will find a wealth of information on depressive disorders • bipolar illness • anxiety disorders • obsessive-compulsive disorders • substance abuse and dependence • alcohol abuse • attention disorders • sleep disorders • schizophrenia and other psychotic disorders • dissociative disorders • cognitive disorders • personality disorders • suicidal behavior • aggressive and violent behavior • psychosomatic disorders • mental health problems in the elderly • mental health problems in children.

—from Bantam Books

Science News Books

CaringMindH

1719 N Street, NW, Washington, DC 20036

Please send me _____ copies of *Caring for the Mind*. I include a check payable to Science News Books for \$39.95 plus \$2.00 postage and handling for each book (total \$41.95). Domestic orders only.

Name _____

Address _____

City _____ State _____ Zip _____

Daytime Phone _____

(used only for problems with order)

RB2331