

*Social Stigma* is the second major book on the subject. It contrasts sharply with Goffman's effort. *Stigma* was the product of a highly original individualist; *Social Stigma* is a group effort. *Stigma* was fascinating but unsystematic; *Social Stigma* is less exciting but systematic and theoretically self-conscious. Most important, the two books derive from different lines of inquiry: Goffman was a symbolic interactionist (in sociology and nonpositivistic); most of the six authors of *Social Stigma* are experimental social psychologists (in psychology and positivistic).

Jones and his colleagues focus on relationships and face-to-face interaction between stigmatized and non-stigmatized individuals. They introduce a helpful nomenclature: "mark" covers the many conditions that may trigger stigmatization, "markable" refers to the person whose mark may be stigmatized, "marked" refers to the person whose mark has been stigmatized, and "marker" is the person who reacts to the mark as a stigma. The volume considers in detail how stigmas vary, how reactions to stigmas are shaped by emotion and social factors, and how stigmas influence self-concepts, self-presentation strategies, and long-term relationships. The discussion is enlivened by the insertion of two cartoon strips and 28 excerpts from books, journals, and newspapers.

Numerous popular ideas about stigmas are seriously questioned. The book points out, for example, that many blind people and deaf people come to experience no special sense of handicap. The authors reason that this occurs because of "the difficulty of constructing a self-concept around a void" (p. 141). Consider, too, the resistance that victims evince to the acceptance of their personal tragedy as a chance event. Thus, researchers report that individuals suffering from severe spinal cord injuries deal better with their traumas if they hold themselves partly responsible for their fates. The volume links such surprising research findings to basic social psychological theory. Indeed, the book's special strength is in its demonstration of how social psychological theory can be usefully applied to a problem of major significance. Theories of causal attribution, social comparison, exchange, and social cognition are exploited persuasively. And a research agenda is advanced that I hope will stimulate further work.

*Social Stigma*, then, is an important addition both to social psychology and to the many specialized fields that have to do with stigmas. Yet in several ways it disappoints. Though it includes a

thoughtful sociological chapter by Robert Scott, most of its chapters remain parochially within experimental social psychology. Though it offers an extensive bibliography, it ignores much of the work on stigmas by the nonexperimental branches of social psychology. In particular, it deals only briefly with the labeling theory of symbolic interactionism. The work of Lemert is not mentioned. Goffman is cited 14 times, yet no use is made of his most fundamental distinctions.

Particularly disappointing is the final chapter, on remedy. Rightly, the authors avoid a "dreary fatalism" by closing the book with suggestions about how "destigmatization" might be achieved. But societal remedies are not the forte of experimentalists. In striking contrast to the care with which the hypotheses and research summaries are set forth, sweeping—and often demonstrably incorrect—views about society and politics are advanced that weaken this discussion.

Nonetheless, *Social Stigma* can be highly recommended. For general readers, it would be best to peruse Goffman's *Stigma* before tackling *Social Stigma*. For specialists familiar with Goffman and interested in a more systematic formulation, this new volume will be an especially welcome contribution.

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## Some Other Books of Interest

**Antarctic Nutrient Cycles and Food Webs.** W. R. SIEGFRIED, P. R. CONDY, and R. M. LAWS, Eds. Springer-Verlag, New York, 1985. xiv, 700 pp., illus. \$59. From a symposium, Wilderness, South Africa, Sept. 1983.

Since its founding in 1958 the Scientific Committee on Antarctic Research (SCAR) has sponsored four international symposiums on antarctic biology. This volume is the proceedings of the most recent. It includes revised versions of most of the papers accepted for presentation at the symposium, arranged under the headings Marine Nutrient Cycles (18 papers); Terrestrial and Freshwater Nutrient Cycles (18 papers); Marine Food Webs (41 papers); Terrestrial Food Webs (six papers); and Interactions Between Marine, Freshwater, and Terrestrial Systems (nine papers). The opening paper of each section is a solicited review, the respective authors being O.

Holm-Hansen, R. I. Lewis Smith, G. Hempel, A. E. Burger, and J. C. Hureau. R. M. Laws provides an introduction to the volume and a brief chapter of summary and conclusions, and a subject (including taxonomic) index is appended. All the papers are in English, and each is preceded by an abstract.—K.L.

**Neotropical Ornithology.** P. A. BUCKLEY, MERCEDES S. FOSTER, EUGENE S. MORTON, ROBERT S. RIDGELY, and FRANCINE G. BUCKLEY, Eds. American Ornithologists' Union, Washington, D.C., 1985 (available from F. R. Moore, Department of Biology, University of Southern Mississippi, Hattiesburg). xii, 1044 pp., illus. \$70. Ornithological Monographs, no. 36.

This volume, conceived as a memorial to the late Eugene Eisenmann, is described by the editors as not a textbook but "a collection of papers on what has been and what is being done by researchers on birds in the neotropics." The contributions are grouped under the following headings: New Taxa (five papers, reporting on birds assigned to the genera *Thryothorus*, *Pyrrhura*, *Panterpe*, *Tachybaptus*, and *Coeligena*); Zoogeography and Distribution (11 papers); Systematics (nine papers); Evolution (ten papers); Community and Population Ecology (ten papers); Evolutionary and Behavioral Ecology (eight papers); Breeding Biology (two papers); and Conservation (five papers). Within each section after the first the papers are arranged alphabetically by first author's surname. The final contribution is a 12-page "overview" by Kenneth C. Parkes in which the preceding papers "are reviewed in the context of the progressive stages of ornithological knowledge and of current neotropical ornithological research in general." All the papers are in English, with abstracts in both English and Spanish. Eight colorplates and an index of key words from the paper titles are included.—K.L.

**Golden Past, Golden Future.** The First Fifty Years of Beckman Instruments, Inc. HARRISON STEPHENS. Claremont University Center, Claremont, Calif., 1985 (distributor, Corporate Communications Department, Beckman Instruments, Fullerton, Calif.). 144 pp., illus. Paper, \$15.

Beckman Instruments provides an early example of a commercial enterprise founded by an academic scientist. The company had its origins in a commission Arnold Beckman, then an assistant professor of chemistry at the California Institute of Technology, received in 1934

to devise an ink that would not clog postal meters. Begun as the National Inking Appliance Company, it soon extended its activities and took the name National Technical Laboratories. World War II brought about a rapid expansion of the company, which "went public" as Beckman Instruments in 1952. By the early 1960's it was producing some 120 different instruments and was expanding into foreign markets. In 1982 the firm merged with SmithKline Corporation to become SmithKline Beckman, of which the present Beckman Instruments operates as a subsidiary. This account of the company's history is based heavily on interviews with officers and employees of the company. The book is celebratory rather than scholarly or analytical in tone, but hardships as well as successes of the company are dealt with. The book has a page size of 8½ by 11 inches, is printed on glossy paper, and is lavishly illustrated. The author reports that transcripts of the interviews conducted will be on deposit in the Beckman archives and the Claremont Graduate School oral history files.—K.L.

**The Dialectical Biologist.** RICHARD LEVINS and RICHARD LEWONTIN. Harvard University Press, Cambridge, Mass., 1985. xiv, 303 pp. \$20.

"As biologists who have been working self-consciously in a dialectical mode for many years," the authors of this book write, "we felt a need to illustrate the strength of the dialectical view of biology in the hope that others would find a compelling case for their own intellectual reorientation." To that end they have brought together some dozen essays written by themselves over the last decade, some of which were originally published in relatively inaccessible sources. Some of the papers appear in English for the first time, and the authors report having made some revisions. The volume opens with a group of three papers headed *On Evolution*. A second group of three papers (including an exchange on the matter of the pseudonymous Isidore Nabi) is headed *On Analysis*. Considerations of subjects ranging from Lysenkoism through applied biology in the Third World to "the issue of 'human' nature" make up a third group, *Science as a Social Product and the Social Product of Science*. The final chapter of the book, written especially for it, is characterized by the authors as a "first attempt" to make explicit the view of dialectics underlying the writings included. The volume has a general bibliography and an index.—K.L.

## Books Received

- Acambaro.** Frontier Settlement on the Tarascan-Aztec Border. Shirley Gorenstein, with David Chodoff *et al.* Vanderbilt University Department of Sociology and Anthropology, Nashville, 1985. vi, 303 pp., illus. Paper, \$13.75. Vanderbilt University Publications in Anthropology, no. 32.
- Ada for Multi-Microprocessors.** Mike Tedd, Stefano Crespi-Reghezzi, and Antonio Natali, Eds. Published on behalf of the Commission of the European Communities by Cambridge University Press, New York, 1985. x, 208 pp. \$29.95.
- Advances in Biotechnological Processes.** Vol. 4. Avshalom Mizrahi and Antonius L. van Wezel, Eds. Liss, New York, 1985. xvi, 356 pp., illus. \$85.
- Advances in Gene Technology.** Molecular Biology of the Immune System. J. Wayne Streilein *et al.*, Eds. Cambridge University Press, New York, 1985. xxiv, 366 pp., illus. \$59.50. ICSU Short Reports, vol. 2. From a symposium, Miami, Feb. 1985.
- Advances in Immunity and Cancer Therapy.** Vol. 1. P. K. Ray, Ed. Springer-Verlag, New York, 1985. x, 230 pp., illus. \$42.
- Benzene.** Scientific Update. Myron A. Mehlman, Ed. Liss, New York, 1985. viii pp. + pp. 361-499, illus. \$24. Reprinted from *American Journal of Industrial Medicine*, vol. 7, no. 5/6. From a conference, New York, Nov. 1983.
- Biomechanics of the Primate Skull Base.** Brigitte Demes. Springer-Verlag, New York, 1985. vi, 59 pp., illus. Paper, \$22. Advances in Anatomy, Embryology and Cell Biology, vol. 94.
- The Biotechnology Business.** A Strategic Analysis. Peter Daly. Frances Pinter, London, and Rowman and Allanheld, Totowa, N.J., 1985. x, 155 pp. \$25.
- Birth Control Technologies.** Prospects by the Year 2000. Michael J. K. Harper. University of Texas Press, Austin, 1985. x, 271 pp. Paper, \$10.95.
- Bogs of the Northeast.** Charles W. Johnson, with Ian A. Worley. University Press of New England, Hanover, N.H., 1985. xvi, 269 pp., illus. \$25; paper, \$12.95.
- Comparison of Type I and Type II Diabetes.** Similarities and Dissimilarities in Etiology, Pathogenesis, and Complications. Mladen Vranic, Charles H. Hollenberg, and George Steiner, Eds. Plenum, New York, 1985. xii, 351 pp., illus. \$55. Advances in Experimental Medicine and Biology, vol. 189. From a symposium, Toronto, June 1984.
- Computation and Automata.** Arto Salomaa. Cambridge University Press, New York, 1985. xiv, 284 pp. \$39.50. Encyclopedia of Mathematics and Its Applications, vol. 25.
- Device-Independent Graphics.** With Examples from IBM Personal Computers. Robert F. Sproull, W. R. Sutherland, and Michael K. Ullner. McGraw-Hill, New York, 1985. xiv, 546 pp., illus. Spiral bound, \$35.95.
- Dietary Fibre, Fibre-Depleted Foods and Disease.** Hugh Trowell, Denis Burkitt, and Kenneth Heaton, Eds. Academic Press, Orlando, Fla., 1985. xvi, 433 pp., illus. \$64.50.
- Dynamics of Star Clusters.** Jeremy Goodman and Piet Hut, Eds. Reidel, Boston, 1985 (distributor, Kluwer, Hingham, Mass.). xxii, 622 pp., illus. \$69; paper, \$29. International Astronomical Union Symposium no. 113. From a symposium, Princeton, N.J., May 1984.
- The Earth's Surface Studied from Space.** S. G. Ungar, Ed. Published for the Committee on Space Research by Pergamon, New York, 1985. vi, 117 pp., illus. Paper, \$49.50. Advances in Space Research, vol. 5, no. 5. From a workshop, Graz, Austria, June 1984.
- An Ecological Characterization of the Caloosahatchee River/Big Cypress Watershed.** Richard D. Drew and N. Scott Schomer. U.S. Fish and Wildlife Service, Washington, D.C., 1984. xvi, 226 pp., illus. Paper. FWS/OBS-82/58.2.
- Fundamentals of Historical Geology and Stratigraphy of India.** Ravindra Kumar. Halsted (Wiley), New York, 1985. xii, 254 pp., illus. \$29.95.
- Gender.** An Ethnomethodological Approach. Suzanne J. Kessler and Wendy McKenna. University of Chicago Press, Chicago, 1985. xviii, 233 pp. Paper, \$10.95. Reprint, 1978 ed.
- Greek and Roman Maps.** O. A. W. Dilke. Cornell University Press, Ithaca, N.Y., 1985. 224 pp., illus., + plates. \$25. Aspects of Greek and Roman Life.
- Ground Water Quality.** C. H. Ward, W. Giger, and P. L. McCarty, Eds. Wiley-Interscience, New York, 1985. xx, 547 pp., illus. \$59.95. From a conference, Houston, Oct. 1981.
- Hadrons and Heavy Ions.** W. D. Heiss, Ed. Springer-Verlag, New York, 1985. viii, 460 pp., illus. Paper, \$33.30. Lecture Notes in Physics, vol. 231. From a school, Cape Town, South Africa, Jan. 1984.
- A Handbook of Computational Chemistry.** A Practical Guide to Chemical Structure and Energy Calculations. Tim Clark. Wiley-Interscience, New York, 1985. xii, 332 pp., illus. \$35.
- In Vivo Perfusion and Release of Neuroactive Sub-**

- stances.** Methods and Strategies. Alejandro Bayón and René Drucker-Colín, Eds. Academic Press, Orlando, Fla., 1985. xviii, 322 pp., illus. \$62.50.
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- The Joy of Science.** Excellence and Its Rewards. Carl J. Sindermann. Plenum, New York, 1985. xviii, 259 pp. \$16.95.
- Land-Use Planning.** From Global to Local Challenge. Julius Gy. Fabos. Chapman and Hall, New York, 1985. xxiv, 223 pp., illus. \$39.95; paper, \$18.95. Environmental Resource Management Series. A Dowden and Culver Book.
- Language and Social Situations.** Joseph P. Forgas, Ed. Springer-Verlag, New York, 1985. xviii, 284 pp. \$33. Springer Series in Social Psychology.
- The Molecular Biology of Poliovirus.** Friedrich Koch and Gebhard Koch. Springer-Verlag, New York, 1985. xvi, 591 pp., illus. \$74.
- Molecular Mechanism of Steroid Hormone Action.** Recent Advances. V. K. Moudgil, Ed. Walter de Gruyter, Hawthorne, N.Y., 1985. xii, 826 pp., illus. \$119.
- Multiple Time Scales.** Jeremiah U. Brackbill and Bruce I. Cohen, Eds. Academic Press, Orlando, Fla., 1985. xiv, 442 pp., illus. \$75. Computational Techniques, vol. 3.
- The Musical Mind.** The Cognitive Psychology of Music. John A. Sloboda. Clarendon (Oxford University Press), New York, 1985. x, 291 pp., illus. \$36. Oxford Psychology Series, no. 5.
- Musical Structure and Cognition.** Peter Howell, Ian Cross, and Robert West, Eds. Academic Press, Orlando, Fla., 1985. xiv, 338 pp., illus. \$52.
- Nutrition in Oral Health and Disease.** Robert L. Pollack and Edward Kravitz. Lea and Febiger, Philadelphia, 1985. xvi, 483 pp., illus. \$32.
- Operators and Function Theory.** S. C. Power, Ed. Reidel, Boston, 1985 (distributor, Kluwer, Hingham, Mass.). xvi, 383 pp. \$49. NATO ASI Series C, vol. 153. From an institute, Lancaster, U.K., July 1984.
- Orchids of South-West Australia.** Noel Hoffman and Andrew Brown. University of Western Australia Press, Nedlands, 1984 (U.S. distributor, International Specialized Book Services, Beaverton, Ore.). viii, 382 pp., illus. \$40; paper, \$28.
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- Phospholipids in Nervous Tissues.** Joseph Eichberg, ed. Wiley-Interscience, New York, 1985. xx, 386 pp., illus. \$79.50.
- Photonics Applied to Nuclear Physics: 2. Neutrophot.** CERN, Geneva, 1985. x, 312 pp., illus. Paper. CERN 85-10. From a meeting, Strassbourg, Dec. 1984.
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- Robert Fulton.** A Biography. Cynthia Owen Philip. Franklin Watts, New York, 1985. xii, 371 pp. + plates. \$18.95.
- Spectrometric Techniques.** Vol. 4. George A. Vanasse, Ed. Academic Press, Orlando, Fla., 1985. xii, 262 pp., illus. \$75.50.
- Spectroscopy and the Dynamics of Molecular Biological Systems.** Peter M. Bayley and Robert E. Dale, Eds. Academic Press, Orlando, Fla., 1985. xiv, 406 pp., illus. \$42. From a meeting, London, April 1983.
- Spherical Harmonics and Tensors for Classical Field Theory.** M. N. Jones. Research Studies Press, Letchworth, England, and Wiley, New York, 1985. xiv, 230 pp. \$45. Electronic and Electrical Engineering Research Studies. Applied and Engineering Mathematics Series, 2.
- The Value of Conserving Genetic Resources.** Margery L. Oldfield. U.S. Department of the Interior National Park Service, Washington, D.C., 1984 (available from the Superintendent of Documents, Washington, D.C.) xxii, 360 pp., illus. Paper, \$8.50.
- Viral Hepatitis.** Biological and Clinical Features, Specific Diagnosis, and Prophylaxis. F. Blain Hollinger, Joseph L. Melnick, and William S. Robinson. Raven, New York, 1985. viii, 213 pp., illus. \$29.50.
- Works of Man.** Ronald W. Clark. Viking, New York, 1985. 352 pp., illus. \$24.95.