

associations between many of these variables and particular values of the authority scale. If these are complex and powerful syndromes, the other variables should correlate with each other as well as with the authority variable. Schlegel purports to have demonstrated this by means of a factor analysis. This is the least convincing part of the book, and it remains to be tested adequately.

Schlegel has not generated an operational definition of authority, her central variable, in spite of a section of the coding manual devoted to it (Appendix A, pp. 145-47). It is therefore impossible to determine the degree to which authority was measured independently of the other variables. For example, who punishes a woman's adultery, husband or brother, is clearly dependent on who is the recipient of jural authority over her. Thus, if husband is dominant, he is the sanctioner, which cannot be said to be a variable independently associated with "husband dominance" but is part of the definition of it.

Perhaps the most serious unresolved methodological difficulty in cross-cultural research is what has been called the measurement problem. The difficulty is to discover measurement criteria that apply with equal validity to several different cultural systems. Anthropological comparativists have tended to pay relatively little attention to the problem, and this book is consistent with tradition. For example, the measures of strength of incest prohibition are naive and ambiguous, using mythical materials (notorious for their use of symbolic structural reversal) and classificatory siblings who may be outsiders to the domestic group.

Schlegel has made a lot of ad hoc decisions in doing her research. To take one instance, she finds that control over property is the variable "most clearly and strongly associated with domestic group authority" (p. 86). In order to get such a strong relationship she has collapsed seven categories of property control into three and dropped three cases from the sample. It is to be hoped that, as anthropology matures, such decisions will be generated by theory. The results of this fishing expedition may be worth having, but they would have been of much greater value if generated from theory.

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New Journals Received

Archives of Environmental Contamination and Toxicology. Vol. 1, No. 1, Feb. 1973. Four issues per volume. Editor: Louis Lykken (2932 Oxford Ave., Richmond, Calif. 94806). Springer-Verlag New York Inc., 175 Fifth Avenue, New York, N.Y. 10010. Vol. 1, \$39.

Biomaterials, Medical Devices, and Artificial Organs. An International Journal. Vol. 1, No. 1, March 1973. Four issues per volume. Editor: T. F. Yen. Marcel Dekker, Inc., 95 Madison Ave., New York, N.Y. Vol. 1, \$35; to individual professionals and students, \$17.50.

Journal of Electronic Materials. Vol. 2, No. 1, Feb. 1973. Four issues per volume. Editor: Theodore C. Harman (MIT Lincoln Laboratory, Lexington, Mass.). Plenum Press, 227 West 17th St., New York, N.Y. 10011. Vol. 2, \$40; to individual subscribers, \$20.

Journal of Pharmacokinetics and Biopharmaceutics. Vol. 1, No. 1, Feb. 1973. Six issues per volume. Editor: Sidney Riegelman (University of California College of Pharmacy, San Francisco, Calif., 94122). Plenum Press, 227 West 17th St., New York, N.Y. 10011. Vol. 1, \$32.

The Journal of Urban Analysis. Vol. 1, No. 1, Oct. 1972. Two issues per volume. Editors: Stanley M. Altman (State University of New York, Stony Brook), Edward J. Beltrami (State University of New York, Stony Brook), and Edward H. Blum (Rand Institute, New York). Gordon and Breach Science Publishers. One Park Ave., New York 10016. To individuals, \$12.50; to institutions, \$35.

Books Received

About Mathematics. Richard S. Hall. Prentice-Hall, Englewood Cliffs, N.J., 1973. xiv, 270 pp., illus. \$9.95.

Acta Protozoologica. Vol. 11, proceedings of a symposium, Cracow, Poland, Aug. 1971. S. Dryl and J. Zurzycki, Eds. Nencki Institute of Experimental Biology, Warsaw, 1972. 424 pp., illus. + plates. \$17.50.

Amour et Crimes d'Amour. Etienne De Greeff. Dessart, Brussels, 1973. 324 pp. 270 BF. Psychologie et Sciences Humaines, 46.

Amphibians as Pets. Georg and Lisbeth Zappler. Photographs and drawings by Richard Marshall. Doubleday, Garden City, N.Y., 1973. 160 pp. \$4.95.

Analytical Chemistry of Selenium and Tellurium. I. I. Nazarenko and A. N. Ermakov. Translated from the Russian edition (Moscow, 1971) by R. Kondor. Israel Program for Scientific Translations, Jerusalem, and Halsted (Wiley), New York, 1973. x, 280 pp., illus. \$24. Analytical Chemistry of the Elements.

The Animal in Its World. Explorations of an Ethologist 1932-1972. Vol. 1, Field Studies. Niko Tinbergen. Harvard University Press, Cambridge, Mass., 1972. 344 pp., illus. \$15.

An Annotated Bibliography on Microwaves. Their Properties, Production, and

Applications to Food Processing. Samuel A. Goldblith and Robert V. Decareau. MIT Press, Cambridge, Mass., 1973. xii, 356 pp. \$14.95.

Annual Review of Physiology. Vol. 35. Julius H. Comroe, Jr., I. S. Edelman, and Ralph R. Sonnenschein, Eds. Annual Reviews, Palo Alto, Calif., 1973. viii, 496 pp. \$10.

Attention and Performance IV. Proceedings of a symposium, Boulder, Colo., Aug. 1971. Sylvan Kornblum, Ed. Academic Press, New York, 1973. xxx, 772 pp., illus. \$18.50.

Automotive Electrical Equipment. Proceedings of a conference, Brighton, England, Sept. 1972. Institution of Mechanical Engineers, London, 1973. viii, 168 pp., illus. £7.

Behavioural and Ecological Genetics. A Study in *Drosophila*. P. A. Parsons. Clarendon, Oxford, England, 1973. viii, 224 pp., illus. \$21.

The Benzodiazepines. S. Garattini, E. Mussini, and L. O. Randall, Eds. Raven, New York, 1973. xxii, 686 pp., illus. \$35. Monographs of the Mario Negri Institute for Pharmacological Research.

Biochemistry of Cell Differentiation. Proceedings of a meeting, Varna, Bulgaria, Sept. 1971. A. Monroy and R. Tsanev, Eds. Academic Press, New York, 1973. x, 192 pp., illus. \$11. Federation of European Biochemical Societies Seventh Meeting, vol. 24.

Biology of the Gene. Louis Levine. Mosby, Saint Louis, ed. 2, 1973. xvi, 358 pp., illus. \$10.50.

The Biology of Invertebrates. Mary S. Gardiner. McGraw-Hill, New York, 1972. x, 954 pp., illus. \$16.95. McGraw-Hill Series in Organismic Biology.

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Birds, Beasts, and Men. A Humanist History of Zoology. H. R. Hays. Penguin, Baltimore, 1973. iv, 384 pp. Paper, \$1.95. Reprint of the 1972 edition.

Blood Gases. Hemoglobin, Base Excess, and Maldistribution. Nomograms for Normal and Abnormal Bloods; Effects of Maldistribution. Albert J. Olszowka, Hermann Rahn, and Leon E. Farhi. Lea and Febiger, Philadelphia, 1973. x, 170 pp., illus. Spiral bound, \$8.50.

Blood Transfusion in Clinical Medicine. P. L. Mollison. Blackwell, London, ed. 5, 1973. xviii, 830 pp., illus. \$28.

Branching Processes. K. B. Athreya and P. E. New. Springer-Verlag, New York, 1972. xii, 288 pp. \$24.10. Grundlehren der mathematischen Wissenschaften, vol. 196.

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Catalysis Reviews. Vol. 7. Heinz Heinemann, Ed. Dekker, New York, 1973. viii, 312 pp., illus. \$21.50.

(Continued on page 780)

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The Challenge of Ecology. Clair L. Kucera. Mosby, St. Louis, 1973. xiv, 226 pp., illus. Paper, \$5.95.

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Chinese Science. Explorations of an Ancient Tradition. Shigeru Nakayama and Nathan Sivin, Eds. MIT Press, Cambridge, Mass., 1973. xxxviii, 334 pp. \$12.50. MIT East Asian Science Series, vol. 2.

Cities. Their Origin, Growth, and Human Impact. Freeman, San Francisco, 1973. xii, 298 pp., illus. Cloth, \$12; paper, \$5.50. Readings from the *Scientific American*.

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Color Vision. Proceedings of a symposium, 1971. National Academy of Sciences, Washington, D.C., 1973. iv, 124 pp., illus. Paper, \$4.95.

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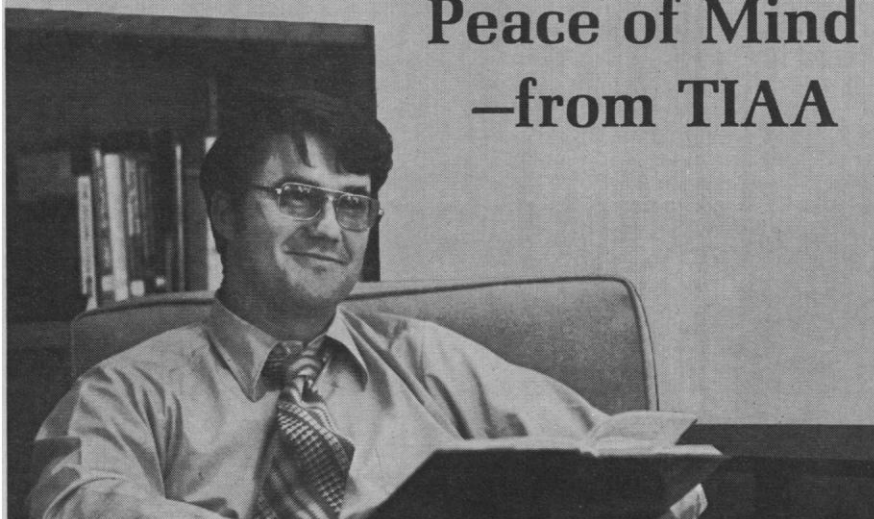
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
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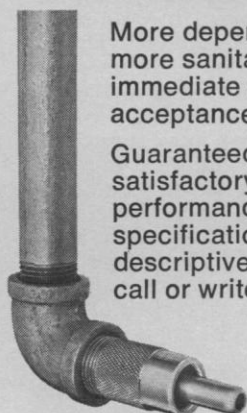
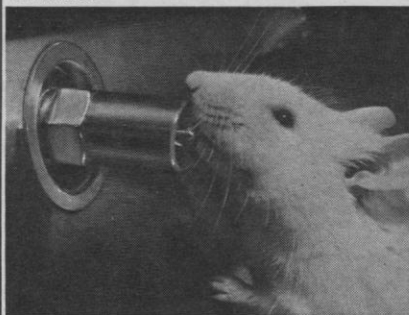
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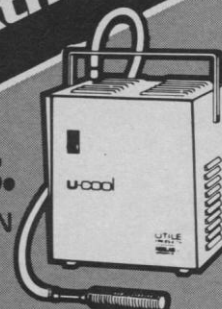
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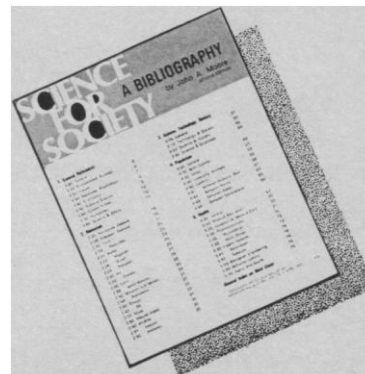
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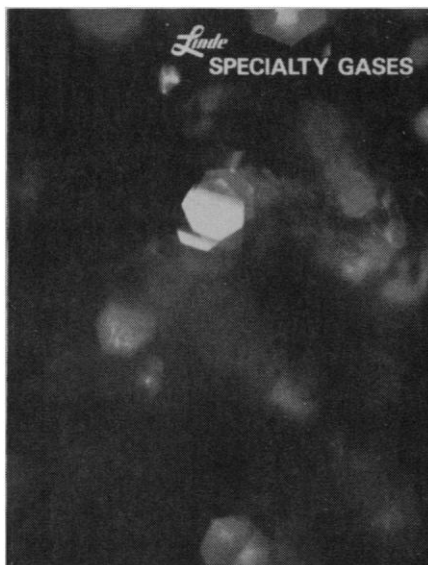
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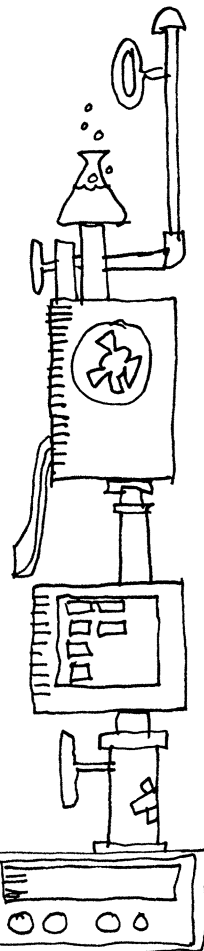
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