CAMBRIDGE UNIVERSITY PRESS

Noradrenergic Neurons Marianne Fillenz

Marianne Fillenz 1990 370 pp. 24546-X Hardcover \$44.50 28780-4 Paper \$19.95

Night Vision Basic, Clinical and Applied Aspects Edited by R.F. Hess, L.T. Sharpe, and K. Nordby 1990 564 pp. 32736-9 Hardcover \$120.00

Neuropsychological Impairments of Short-Term Memory Edited by Guiseppe Vallar and Tim Shallice 1990 528 pp. 37099-4 Hardcover \$64.50

Neuronal Networks of the Hippocampus Roger D. Traub and Richard Miles 1991 c.287 pp. 36481-7 Hardcover about \$34.50

Principles of Psychophysiology Physical, Social, and Inferential Elements Edited by John T. Cacioppo and Louis G. Tassinary 1990 848 pp. 34432-8 Hardcover \$90.00 34885-4 Paper \$39.50

Essentials of Neural Development Second Edition

M.C. Brown, W.G. Hopkins, and R.J. Keynes 1991 186 pp. 37556-8 Hardcover \$49.50 37698-X Paper \$19.95

Corticonics

Neural Circuits of the Cerebral Cortex M. Abeles 1991 c.377 pp. 37476-6 Hardcover about \$49.95 37617-3 Paper about \$19.95

Vision Coding and Efficiency Edited by Colin Blakemore 1991 464 pp. 36459-0 Hardcover \$120.00

Now in paperback...

The Physiology of Excitable Cells Third Edition David J. Aidley 550 pp. 38863-5 Paper \$34.50



At bookstores or from CAMBRIDGE UNIVERSITY PRESS 40 West 20th Street, New York, NY 10011, Call toll-free 800-872-7423 outside NY State. 800-227-0247, NY State only. MasterCard/VISA accepted. Prices subject to change.

AMERICAN ORTHOPTIC JOURNAL

Founded: 1951 Editor : Thomas D. France, M.D.

Back Issues Available \$20.00 Each

Volume 40, 1990

Prognostic Indicators for Avoiding Occlusion Therapy in Anisometropic Amblyopia, W. N. Clarke, M.D., L.P. Noel, M.D.

Postoperative Binocularity in Adults with Long Standing Strabismus: Is Surgery Cosmetic Only? Burton J. Kushner, M.D.

Esotropia as the Presenting Sign of Brain Tumor, Mary DeYoung Smith, C.O., John D. Baker, M.D. Graves Ophthalmopathy and the Special Problem of Concomitant Ocular Myasthenia Gravis,

Ronald M. Burde, M.D.

Comparison of Crowding Bar and Linear Optotype Acuity in Amblyopia, David R. Stager, M.D., Mary E. Everett, C.O., Eileen E. Birch, Ph.D.

Parent Reactions/Professional Reactions to the Diagnosis of Visual Impairment in Children, A. Linn Murphree, M.D., Marilyn Horn, L.C.S.W., Nancy Chernus-Mansfield, M.A.

What Will My Child with Nystagmus Not be Able to Do? John T. Flynn, M.D.

Occlusion Therapy in Unilateral Aphakia: The Agony and the Ecstasy, Mary Wackerhagen, C.O.

The Orthoptist's Role in the Early Detection of Graves' Disease, Lindreth DuBois, C.O.

What are We Doing When We Occlude Infantile Esotropes? Evelyn Ross-Dommasch, O.C.(C.), Eithna Morris, O.C.(C.)

A complete list of back issues (Volumes 32-39) and a detailed brochure will be sent upon request. When ordering back issues please mention volume, number, and please enclose payment.

ISSN 0065-955X

Published once yearly by The University of Wisconsin Press

RATES: Individuals: \$20/yr. (must prepay) Institutions: \$45/yr. Foreign postage, including Canada and Mexico, add \$10 (airmail). REPLY TO: Journal Division The University of Wisconsin Press 114 North Murray Street Madison, WI 53715 U.S.A. (608) 262-4952

PSYCHOLOGICAL SCIENCE



Published for the American Psychological Society

EDITOR

William K Estes, Harvard University

Psychological Science is a new bimonthly publication being launched as the flagship journal of the American Psychological Society, founded 1988, to regain the scientific focus of psychological research. The journal is designed to be the forum for research, theory, and application in psychology and the closely related behavioral, cognitive, neural, and social sciences. The journal also considers psychology in government and public affairs. Unlike most research journals, *Psychological Science* encourages articles of general theoretical significance or of broad interest across specialties.

Recent Articles

The Prenatal Origins of Behavioral Organization, William P Smotherman and Scott R Robinson

Facts, Fantasies, and the Future of Child Care in the United States, Sandra Scarr et al.

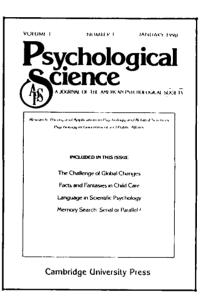
Serial vs Parallel Processing, James T Townsend

Answering Reading Comprehension Items Without Passages on the SAT, Stuart Katz et al.

Infants' Perception of Phase Structure in Music, Carol L Krumhansl and Peter W Jusczyk

Psychological Science (ISSN 0956-7976) is published bimonthly. Volume 1 (1990) subscriptions (US and Canada only): \$100.00 institutions; \$50.00 for nonmember individuals. APS members receive the journal as part of their dues.

Send order to: Journals Department Cambridge University Press 40 West 20th Street, New York, NY 10011, USA; or The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, UK



V I S U A L Neuroscience

Volume 6

February 1991

Number 2

CONTENTS

		Research Articles
R.W. RODIECK	95	The density recovery profile: A method for the analysis of points in the plane applicable to retinal studies
Stephen C. Massey, Kevin Blankenship, and Stephen L. Mills	113	Cholinergic amacrine cells in the rabbit retina accumulate muscimol
GLORIA D. GUILOFF	119	Ultrastructural study of the avian ventral lateral geniculate nucleus
Thomas J. Millar and Philip J. Anderton	135	Effects of excitatory amino acids and their antagonists on the light response of luminosity and color-opponent horizontal cells in the turtle (<i>Pseudemys scripta elegans</i>) retina
Tatiana Pasternak and Kris Horn	151	Spatial vision of the cat: Variation with eccentricity
T. Fitzgibbon, K. Funke, and U. Th. Eysel	159	Anatomical correlations between soma size, axon diameter, and intraretinal length for the alpha ganglion cells of the cat retina
Keith L. Grasse	175	Pharmacological isolation of visual cortical input to the cat accessory optic system: Effects of intravitreal tetrodotoxin on DTN unit responses.
Warren J. Scherer and Susan B. Udin	185	Chronic effects of NMDA and APV on tectal output in <i>Xenopus laevis</i>
	193	Announcement
	195	Detailed Information for Contributors
	196	The Humane Care and Use of Animals

ISSN 0952-5238 © 1991 Cambridge University Press Printed in the United States of America