# Cambridge – The Future of Visual Neuroscience

# New edition...

## **Scientific Style and Format**

The CBE Manual for Authors, Editors, and Publishers Sixth Edition

## Edward J. Huth

"There is no other book like this for the scientific and technological community. It should be the major desk reference for anyone writing a scientific article or book...Highly recommended." –Booklist/Reference Books Bulletin

-Bookinst/Reference Books Bulletin

1994 782 pp 47154-0 Hardback \$34.95

# **Parallel Computing**

Principles and Practice

### T.J. Fountain

Sets out the principles of parallel computing, explaining why, where, and how parallel computing is used. It is unique in its coverage of both conventional and neural computing (which act in ways similar to human brains), and also covers such topics as the fundamental paradigms employed in the field, and how system performance is estimated (and why doing so is difficult). 1995 360 pp. 45131-0 Hardback \$39.95

# Management of Visual Impairment in Childhood

### Alistair Fielder, Anthony Best, and Martin Bax, Editors

A practical guide to the day-to-day management of children with the difficult problem of visual impairment. It includes the epidemiology of childhood blindness, prevention, and the effects of impairment on development and behavior. *Clinics in Developmental Medicine 128* 

1994 223 pp. 45150-7 Hardback \$64.95

### Psychosocial Processes and Health A Reader

### Andrew Steptoe and Jane Wardle, Editors

Assembles the most important articles regarding psychosocial processes and health of the past thirty years. The thirty-one articles are grouped around themes such as "Life stress, social support and health," "Psychophysiological processes in diseases," and "Behavioral interventions in medicine."

1995	537 pp.	41610-8	Hardback	\$94.95
		42618-9	Paperback	\$39.95

# **Blindness and Children**

An Individual Differences Approach

### David H. Warren

Concludes that many aspects of delayed development are not the result of visual impairment itself, but rather of environmental variables that tend to accompany it.

1994	400 pp.	45109-4	Hardback	\$59.95
		45719-X	Paperback	\$22.95

# Brain Control of Responses to Trauma Nancy J. Rothwell and

# Frank Berkenbosch, Editors

Looks in depth at the way the brain responds to trauma and subsequently integrates and influences behavioral, metabolic, neurohumoral, cardiovascular, and immune functions.

The CBE Manual for Authors

ors, and Publishers

Sixth Edia:

1994 352 pp. 41939-5 Hardback \$79.95

# Neural Activity and the Growth of the Brain Dale Purves

Explores the hypothesis that neural activity generated by experience modulates the ongoing growth of the brain during maturation, thus sculpting a unique brain anatomy in each of us according to experience in early life.

Lezioni Lincee Lectures

994	116 pp.	45496-4	Hardback	\$37.95
		45570-7	Paperback	\$15.95

# Now in paperback...

# **Genetic Variation and Human Disease**

Principles and Evolutionary Approaches

Kenneth M. Weiss

"...a most useful reference for those who wish to familiarize themselves with the area in general and to gain some comprehension of its methodologies."

Cambr	ridge Studies in	–Roger n Biological Anthr	W. Melvold, Do ropology 11	ody's Journal
1993	380 pp.	33421-7	Hardback	\$69.95
		33660-0	Paperback	\$24.95

Available in bookstores or from



40 West 20th Street, New York, NY 10011-4211 Call toll-free 800-872-7423. MasterCard/VISA accepted. Prices subject to change.

# V I S U A L NEUROSCIENCE

### **DETAILED INFORMATION FOR CONTRIBUTORS**

AIMS AND SCOPE. Visual Neuroscience publishes papers based on original experimental or theoretical work concerned explicitly with the biological substrates of vision, including the neural mechanisms involved in visually guided behavior and perception. Studies based exclusively on clinical, psychophysical, or behavioral methods will be considered only if they speak directly to issues of neural mechanisms. The journal features full-length research reports and review articles as well as short communications.

**ORIGINALITY AND COPYRIGHT.** To be considered for publication in *Visual Neuroscience* a manuscript cannot have been published previously, nor can it be under review for publication elsewhere. Papers with multiple authors are reviewed with the assumption that all authors have approved the submitted manuscript and concur in its submission to *Visual Neuroscience*. A Transfer of Copyright Agreement must be executed before an article can be published. Government authors whose articles were created in the course of their employment must so certify in lieu of copyright transfer. Authors are responsible for obtaining written permission from the copyright owners to reprint any previously published material included in their article.

MANUSCRIPT SUBMISSION AND REVIEW. An original and three high quality photocopies should be submitted to:

James T. McIlwain, Editor Visual Neuroscience Brown University, Box G-M416 Providence, RI 02912, USA

Subsequent correspondence should refer to the Manuscript Reference Number, which will appear on the Acknowledgment Card sent to the corresponding author. Each manuscript will normally be reviewed by at least two referees with relevant scientific experience. Authors may suggest appropriate reviewers, but final selection of referees will be made by the Editor. Reviewers are asked to evaluate manuscripts for their scientific merit and clarity of presentation and to voice any concerns related to the welfare of animal and human subjects. Every effort will be made to notify authors of the reviewers' recommendations within six weeks of receipt of a manuscript.

MANUSCRIPT LENGTH AND EXCESS PAGE CHARGES. Due to space limitations, concisely written papers are more likely to receive favorable review than those judged to be excessively long. Page charges are not levied for articles occupying fewer than 12 printed pages (i.e. double-spaced manuscripts of approximately 40 pages or less, using standard, uniformly spaced typefaces, and including figures), but authors will be asked to pay \$100 for each printed page beyond 12. Editorial review and publication of a paper are not contingent upon the payment of page charges.

Manuscripts submitted as Short Communications should normally occupy no more than 4 printed pages, figures included (approximately 13 manuscript pages).

**MANUSCRIPT PREPARATION AND STYLE.** Manuscripts must be in English and typed double-spaced on one side only of  $8\frac{1}{2} \times 11^{\circ}$  or A4 size good quality paper. Allow margins of at least 1" (20 mm); use a 5-space paragraph indent; do not hyphenate words at the end of lines and do not justify right margins. Minor corrections to the manuscript may be typed or neatly printed in ink; retyping is required for significant changes. Numbers should be spelled out when they occur at the beginning of a sentence; use Arabic numerals elsewhere. Abbreviations should be used sparingly and nonstandard abbreviations should be defined at their first occurrece. Metric system (S1) units should be used. Manu-

scripts that do not conform to the style of *Visual Neuroscience* will be returned without review. Authors of accepted manuscripts will be requested to provide the final text both as hard copy and on diskette.

MANUSCRIPT ELEMENTS AND ORDER. Unless there are obvious and compelling reasons for variation (e.g. review articles, short communications), manuscripts should be organized as follows:

**Title page.** This is page 1. The title should be concise, informative, and free of abbreviations, chemical formulae, technical jargon, and esoteric terms. This page should include (a) the article's full title, (b) names and affiliations of all authors, (c) the name, mailing address, and telephone number of the corresponding author, (d) the address for reprint requests if different from that of the corresponding author, (e) a short title of 50 characters or less, and (f) a list of the number of manuscript pages, number of tables, and number of figures.

Abstract and keywords page. This is page 2 and should include (a) the article's full title, (b) an abstract of no more than 300 words, and (c) up to 5 keywords or phrases that reflect the content and major thrust of the article. The abstract should give a succinct account of the objective, methods, results, and significance of the research.

Introduction. This section begins on page 3 and should clearly state the objective of the research in the context of previous work bearing directly on the subject. An extensive review of the literature is not usually appropriate.

Methods. This section should be brief but provide sufficient information to permit others to replicate the study. Pertinent details of species, apparatus and equipment, procedures and experimental design should be described.

All experiments involving human subjects must be conducted in accordance with principles embodied in the Declaration of Helsinki (Code of Ethics of the World Medical Association). Experiments involving animal subjects must conform to the principles regarding the care and use of animals adopted by the American Physiological Society and the Society for Neuroscience. The editor may refuse papers that provide insufficient evidence of adherence to these principles.

**Results.** The results should be presented clearly and concisely, using figures and tables to summarize or illustrate the important findings. Quantitative observations are often more effectively displayed in graphs than in tables.

**Discussion.** The discussion should summarize the major findings and explain their significance in terms of the study's objectives and relationship to previous, relevant work. This section should present compact, clearly developed arguments rather than wide-ranging speculation or uncritical collation of earlier reports.

Acknowledgments. Use a separate page to recognize the contributions of individuals and supporting institutions.

**References.** Visual Neuroscience uses the author-date reference style of the Journal of Physiology. In the text, references should be cited as follows:

as shown by Herrick (1948) (Gordon et al., 1973) (Buhl & Peichl, 1986; Gordon et al., 1987)

The alphabetical list of references begins a new page, and must be typed double-spaced. Each in-text citation must have a corresponding reference and vice versa. List works by different authors who are cited within the same parentheses in chronological order, beginning with the earlier work. Journal titles should not be abbreviated. Only published articles and articles in press should appear in this list. Responsibility for the accuracy of references cited lies with the authors. Brief examples: Journal article

Buhl, E.H. & Peichl, L. (1986). Morphology of rabbit retinal ganglion cells projecting to the medial terminal nucleus of the accessory optic system. Journal of Comparative Neurology, 253, 163-174.

#### Book

Herrick, C.J. (1948). <u>The Brain of the Tiger Salamander</u>. Chicago: University of Chicago Press.

#### Chapter in an edited book

- Bonds, A.B. & DeBruyn, E.J. (1986). Inhibition and spatial selectivity in the visual cortex: The cooperative neuronal network revisited. In <u>Models of Visual Cortex</u>, ed. Rose, D. & Dobson, V.G., pp. 292-300. Chichester, England: John Wiley & Sons.
- For more than one work by the same author(s) published in the same year, use (Jones, 1986<u>a</u>, 1986<u>b</u>) in text and likewise in the reference section.

Tables. Tables should be numbered consecutively with Arabic numerals and each should be typed double-spaced on a separate sheet. All tables are to be grouped together after the references. A short explanatory title and column headings should make the table intelligible without reference to the text. All tables must be cited and their approximate positions indicated in the text.

Figures and legends. The number of figures should be the minimum necessary to make the essential points of the paper. Figures should be supplied no larger than  $8 \times 10^{\prime\prime}$  (approx. 200  $\times$  250 mm) and must be camera-ready. Photographs for halftone reproduction must be on white glossy paper. Figures should be composed to occupy a single column (8.3 cm) or two columns (17 cm) after reduction. Diagrams and illustrations must have a professional appearance and be typed or drawn with sharp, black lettering to permit reduction. To assure legibility, letters, numbers, and symbols on figures should have a minimum height of 1 mm when reduced. Photomicrographs must include a calibration bar; if symbols are used on micrographs, they must contrast sufficiently with the background to be clearly visible when printed. Photocopies of micrographs are not acceptable for review purposes.

Artwork should normally be in black and white; if authors have color figures, the publisher will provide a price quotation for the additional production costs. All figures must be identified on the back with the short title of the paper, figure number, and figure orientation (top or bottom). Preferably, figures should be mounted on heavy sheets of the same size as the manuscript. Four complete sets of figures should be carefully packaged in protective envelopes, one to accompany each copy of the manuscript. Each figure must be cited and its approximate position clearly indicated within the text.

Figures must be numbered consecutively with Arabic numerals and be accompanied by a descriptive caption typed double-spaced on a separate sheet. The captions, collected at the end of the manuscript, should concisely describe the figure and identify any symbols and/or calibration bars.

**COPYEDITING AND PAGE PROOFS.** The publisher reserves the right to copyedit manuscripts to conform to the style of *Visual Neuroscience*. The corresponding author will receive page proofs for final proofreading. No rewriting of the final accepted manuscript is permitted at the proof stage, and substantial changes may be charged to the authors.

**OFFPRINTS.** The corresponding author will receive 25 free article offprints. A form will accompany the page proofs allowing orders for complete copies of the issue and for the purchase of additional offprints. Offprint requirements of all coauthors should be included on this form. Orders received after issue printing will be subject to a 50% reprint surcharge.

# V I S U A L Neuroscience

Volume 12

March/April 1995

Number 2

Adaptation aftereffects in single neurons of cat visual cortex:

# CONTENTS

### **Research** Articles

Alan B. Saul191Rufin Vogels, Gyula Sáry, and Guy A. Orban207 Guy A. OrbanDennis W. Rickman, and Nicholas C. Brecha215Ronald M. Hansen, and Anne B. Fulton223 Anne B. FultonS.J. Givre, J.C. Arezzo, and C.E. Schroeder229 C.E. SchroederBarbara Gordon, Ying L. Tseng, Rose Jaeger, Alexandra Petrovic, and Kenneth Tovar215M. Herbin, JP. Rio, J. Repérant H.M. Cooper, E. Nevo and M. Lemire253 John C. Saari, Robert J. Champer, Mary Ann Asson-Batres, Gregory G. Garwin, Jing Huang, John W. Crabb, and Ann H. Milam273Jonathan Stone, Felix Makarov, and Horstmar Holländer273J.K. Oh, D.L. Bohnsack, J.B. Troy, and Ch. Enroth-Cugell285 Ch. Enroth-CugellJamie L. Haley, Roland Pochet, Laray Baizer, Miriam D. Burton, John W. Crabb, Marc Parmentier, and Arthur S. Polans309 Vivien A. Casagrande, and A.B. BondsKaren R. Dobkins and Thomas D. Albright313 Daniel G. Green313 John M. Schneeweis and Daniel G. GreenJ.H. Brandstätter, U. Greferath, T. Eulet, and Heinz Wässle359 And Hans-Joachim Wagner359 And Hans-Joachim WagnerL.G. Nowak, M.H.J. Munk, P. Girard, and J. Bullier371 Srimant Tripathy, Dennis M. Levi, Maluk Ogmen, and Christy Harden385		
RUFIN VOGELS, GYULA SÁRY, AND GUY A. ORBAN207Pennis W. Rickman, and Nicholas C. Brecha215Ronald M. Hansen, and Anne B. Fulton223S.J. Givre, J.C. Arezzo, and C.E. Schroeder229Barbara Gordon, Ying L. Tseng, Rose Jaeger, Alexandra Petrovic, and Kenneth Tovar241M. Herbin, JP. Rio, J. Repérant H.M. Cooper, E. Nevo and M. Lemire253John C. Saari, Robert J. Champer, Mary Ann Asson-Batres, Gregory G. Garwin, Jing Huang, John W. Crabb, and Ann H. Milam273Jonathan Stone, Felix Makarov, and Horstmar Holländer281J.K. Oh, D.L. Bohnsack, J.B. Troy, and Ch. Enroth-Cugell285Ch. Enroth-Cugell301Jamie L. Haley, Roland Pochet, Larry Baizer, Miriam D. Burton, John W. Crabb, Marc Parmentier, and Arthur S. Polans309John D. Allison, Vivien A. Casagrande, and A.B. Bonds321Thomas D. Albright333Daniel G. Green333J.H. Brandstätter, U. Greferath, T. Eulet, and Heinz Wässle345Eleonore Frölich, Koroku Negishi, and Hans-Joachim Wagner359L.G. Nowak, M.H.J. Munk, P. Girard, and J. Bullier371Srimant Tripathy, Dennis M. Levi, Haluk Ogmen, and Christy Harden385	Alan B. Saul	191
DENNIS W. RICKMAN, AND NICHOLAS C. BRECHA215RONALD M. HANSEN, AND ANNE B. FULTON223S.J. GIVRE, J.C. AREZZO, AND C.E. SCHROEDER229BARBARA GORDON, YING L. TSENG, ROSE JAEGER, ALEXANDRA PETROVIC, AND KENNETH TOVAR241M. HERBIN, JP. RIO, J. REPÉRANT H.M. COOPER, E. NEVO AND M. LEMIRE253JOHN C. SAARI, ROBERT J. CHAMPER, MARY ANN ASSON-BATRES, GREGORY G. GARWIN, JING HUANG, JOHN W. CRABB, AND ANN H. MILAM263JONATHAN STONE, FELIX MAKAROV, AND HORSTMAR HOLLÄNDER273J.K. OH, D.L. BOHNSACK, J.B. TROY, AND CH. ENROTH-CUGELL281J.B. TROY, D.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL285CH. ENROTH-CUGELL285JOHN W. CRABB, MARC PARMENTIER, AND ARTHUR S. POLANS301JOHN D. ALLISON, VIVIEN A. CASAGRANDE, AND A.B. BONDS321THOMAS D. ALBRIGHT333DANIEL G. GREEN333J.H. BRANDSTÄTTER, U. GREFERATH, T. EULET, AND HEINZ WÄSSLE345ELEONORE FRÖLICH, KOROKU NEGISHI, AND HANS-JOACHIM WAGNER359L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER371SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN385	Rufin Vogels, Gyula Sáry, and Guy A. Orban	207
RONALD M. HANSEN, AND ANNE B. FULTON223S.J. GIVRE, J.C. AREZZO, AND C.E. SCHROEDER229BARBARA GORDON, YING L. TSENG, ROSE JAEGER, ALEXANDRA PETROVIC, 	Dennis W. Rickman, and Nicholas C. Brecha	215
S.J. GIVRE, J.C. AREZZO, AND229C.E. SCHROEDER241BARBARA GORDON, YING L. TSENG, ROSE JAEGER, ALEXANDRA PETROVIC, AND KENNETH TOVAR241M. HERBIN, JP. RIO, J. REPÉRANT H.M. COOPER, E. NEVO AND 	Ronald M. Hansen, and Anne B. Fulton	223
BARBARA GORDON, YING L. TSENG, ROSE JAEGER, ALEXANDRA PETROVIC, AND KENNETH TOVAR241M. HERBIN, JP. RIO, J. REPÉRANT H.M. COOPER, E. NEVO AND 	S.J. GIVRE, J.C. AREZZO, AND C.E. SCHROEDER	229
M. HERBIN, JP. RIO, J. REPÉRANT H.M. COOPER, E. NEVO AND M. LEMIRE253JOHN C. SAARI, ROBERT J. CHAMPER, MARY ANN ASSON-BATRES, 	Barbara Gordon, Ying L. Tseng, Rose Jaeger, Alexandra Petrovic, and Kenneth Tovar	241
JOHN C. SAARI, ROBERT J. CHAMPER, MARY ANN ASSON-BATRES, GREGORY G. GARWIN, JING HUANG, JOHN W. CRABB, AND ANN H. MILAM263JONATHAN STONE, FELIX MAKAROV, AND HORSTMAR HOLLÄNDER273JONATHAN STONE, FELIX MAKAROV, AND HORSTMAR HOLLÄNDER273J.K. OH, D.L. BOHNSACK, J.B. TROY, AND CH. ENROTH-CUGELL281J.B. TROY, O.E. SCHWEITZER-TONG, AND 	M. Herbin, JP. Rio, J. Repérant H.M. Cooper, E. Nevo and M. Lemire	253
JONATHAN STONE, FELIX MAKAROV, AND HORSTMAR HOLLÄNDER273J.K. OH, D.L. BOHNSACK, J.B. TROY, AND CH. ENROTH-CUGELL281J.B. TROY, O.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL285TAMMIE L. HALEY, ROLAND POCHET, LARRY BAIZER, MIRIAM D. BURTON, JOHN W. CRABB, MARC PARMENTIER, AND ARTHUR S. POLANS301JOHN D. ALLISON, 	John C. Saari, Robert J. Champer, Mary Ann Asson-Batres, Gregory G. Garwin, Jing Huang, John W. Crabb, and Ann H. Milam	263
J.K. OH, D.L. BOHNSACK, J.B. TROY, AND CH. ENROTH-CUGELL281J.B. TROY, D.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL285TAMMIE L. HALEY, ROLAND POCHET, LARRY BAIZER, MIRIAM D. BURTON, JOHN W. CRABB, MARC PARMENTIER, AND ARTHUR S. POLANS301JOHN D. ALLISON, VIVIEN A. CASAGRANDE, AND A.B. BONDS309KAREN R. DOBKINS AND THOMAS D. ALBRIGHT321DAVID M. SCHNEEWEIS AND DANIEL G. GREEN333J.H. BRANDSTÄTTER, U. GREFERATH, 	Jonathan Stone, Felix Makarov, and Horstmar Holländer	273
J.B. TROY, D.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL285TAMMIE L. HALEY, ROLAND POCHET, LARRY BAIZER, MIRIAM D. BURTON, JOHN W. CRABB, MARC PARMENTIER, 	J.K. OH, D.L. BOHNSACK, J.B. TROY, AND CH. ENROTH-CUGELL	281
<ul> <li>TAMMIE L. HALEY, ROLAND POCHET, LARRY BAIZER, MIRIAM D. BURTON, JOHN W. CRABB, MARC PARMENTIER, AND ARTHUR S. POLANS</li> <li>JOHN D. ALLISON, VIVIEN A. CASAGRANDE, AND A.B. BONDS</li> <li>KAREN R. DOBKINS AND A.B. DOBKINS AND A.B. CASAGRANDE, AND</li> <li>KAREN R. DOBKINS AND A.B. BONDS</li> <li>KAREN R. DOBKINS AND J. ALBRIGHT</li> <li>DAVID M. SCHNEEWEIS AND DANIEL G. GREEN</li> <li>J.H. BRANDSTÄTTER, U. GREFERATH, T. EULET, AND HEINZ WÄSSLE</li> <li>ELEONORE FRÖLICH, KOROKU NEGISHI, AND HANS-JOACHIM WAGNER</li> <li>L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER</li> <li>SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN</li> <li>301</li> <li>302</li> <li>303</li> <li>309</li> <li>300</li> <li>309</li> <li>300</li> <li>310</li> <li>321</li> <li>311</li> <li>311</li> <li>312</li> <li>314</li> <li>315</li> <li>316</li> <li>316</li> <li>317</li> <li>316</li> <li>317</li> <li>318</li> <li>317</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>319</li> <li>310</li> <li>310</li> <li>311</li> <li>311</li> <li>311</li> <li>312</li> <li>314</li> <li>315</li> <li>316</li> <li>316</li> <li>317</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>318</li> <li>319</li> <li>310</li> <li>311</li> <li>311</li> <li>311</li> <li>311</li> <li>311</li> <li>312</li> <li>313</li> <li>314</li> <li>314</li> <li>315</li> <li>316</li> <li>316</li> <li>316</li> <li>316</li> <li>317</li> <li< td=""><td>J.B. TROY, D.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL</td><td>285</td></li<></ul>	J.B. TROY, D.E. SCHWEITZER-TONG, AND CH. ENROTH-CUGELL	285
JOHN D. ALLISON, VIVIEN A. CASAGRANDE, AND A.B. BONDS309KAREN R. DOBKINS AND THOMAS D. ALBRIGHT321DAVID M. SCHNEEWEIS AND DANIEL G. GREEN333J.H. BRANDSTÄTTER, U. GREFERATH, T. EULET, AND HEINZ WÄSSLE345ELEONORE FRÖLICH, KOROKU NEGISHI, AND HANS-JOACHIM WAGNER359L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER371SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN385	TAMMIE L. HALEY, ROLAND POCHET, LARRY BAIZER, MIRIAM D. BURTON, JOHN W. CRABB, MARC PARMENTIER, AND ARTHUR S. POLANS	301
KAREN R. DOBKINS AND THOMAS D. ALBRIGHT321DAVID M. SCHNEEWEIS AND DANIEL G. GREEN333J.H. BRANDSTÄTTER, U. GREFERATH, T. EULET, AND HEINZ WÄSSLE345ELEONORE FRÖLICH, KOROKU NEGISHI, AND HANS-JOACHIM WAGNER359L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER371SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN385	John D. Allison, Vivien A. Casagrande, and A.B. Bonds	309
David M. Schneeweis and Daniel G. Green333J.H. Brandstätter, U. Greferath, T. Eulet, and Heinz Wässle345Eleonore Frölich, Koroku Negishi, and Hans-Joachim Wagner359L.G. Nowak, M.H.J. Munk, P. Girard, and J. Bullier371Srimant Tripathy, Dennis M. Levi, Haluk Ogmen, and Christy Harden385	KAREN R. DOBKINS AND THOMAS D. ALBRIGHT	321
J.H. Brandstätter, U. Greferath, T. Eulet, and Heinz Wässle345Eleonore Frölich, Koroku Negishi, and Hans-Joachim Wagner359L.G. Nowak, M.H.J. Munk, P. Girard, and J. Bullier371Srimant Tripathy, Dennis M. Levi, Haluk Ogmen, and Christy Harden385	David M. Schneeweis and Daniel G. Green	333
ELEONORE FRÖLICH, KOROKU NEGISHI, AND HANS-JOACHIM WAGNER359L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER371SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN385	J.H. Brandstätter, U. Greferath, T. Eulet, and Heinz Wässle	345
L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER SRIMANT TRIPATHY, DENNIS M. LEVI, HALUK OGMEN, AND CHRISTY HARDEN 385	Eleonore Frölich, Koroku Negishi, and Hans-Joachim Wagner	359
SRIMANT TRIPATHY, DENNIS M. LEVI, 385 HALUK OGMEN, AND CHRISTY HARDEN	L.G. NOWAK, M.H.J. MUNK, P. GIRARD, AND J. BULLIER	371
	Srimant Tripathy, Dennis M. Levi, Haluk Ogmen, and Christy Harden	385

Response timing is retarded by adapting
How task-related are the responses of inferior temporal neurons?
Expression of the proto-oncogene, $trk$ , receptors in the developing rat retina
The VEP thresholds for full-field stimuli in dark adapted infants
Effects of wavelength on the timing and laminar distribution of illuminance-evoked activity in macaque V1
The development of MK-801, kainate, AMPA, and muscimol binding sites in cat visual cortex
Ultrastructural study of the optic nerve in blind mole-rats (Spalacidae, Spalax)
Characterization and localization of an aldehyde dehydrogenase to amacrine cells of bovine retina
The glial ensheathment of the soma and axon hillock of retina ganglion cells
The cat's pupillary light response under urethane anesthesia

- Receptive-field properties of Q retinal ganglion cells of the cat
- Calbindin D-28K immunoreactivity of human cone cells varies with retinal position
- The influence of input from the lower cortical layers on the orientation tuning of upper layer V1 cells in a primate
- Behavioral and neural effects of chromatic isoluminance in the primate visual motion system
- Spectral properties of turtle cones
  - Co-stratification of  $GABA_A$  receptors with the directionally selective circuitry of the rat retina
  - The occurrence of dopaminergic interplexiform cells correlates with the presence of cones in the retinae of fish
- Visual latencies in areas V1 and V2 of the macaque monkey
- Perceived length across the physiological blind spot



0952-5238(199503)12:2;1-L

