

THE JOURNAL OF NEUROSCIENCE

SEPTEMBER 1981

VOLUME 1 NUMBER 9

THE OFFICIAL JOURNAL OF THE SOCIETY FOR NEUROSCIENCE

CONTENTS

DIETRICH, W. D., D. DURHAM, O. H. LOWRY, AND T. A. WOOLSEY: Quantitative Histochemical Effects of Whisker Damage on Single Identified Cortical Barrels in the Adult Mouse	929
WILLARD, A. L.: Effects of Serotonin on the Generation of the Motor Program for Swimming by the Medicinal Leech	936
MACAGNO, E. R.: Cellular Interactions and Pattern Formation in the Development of the Visual System of <i>Daphnia magna</i> (Crustacea, Branchiopoda). II. Induced Retardation of Optic Axon Ingrowth Results in a Delay in Laminar Neuron Differentiation	945
LEVAY, S., AND H. SHERK: The Visual Claustrum of the Cat. I. Structure and Connections	956
LEVAY, S., AND H. SHERK: The Visual Claustrum of the Cat. II. The Visual Field Map	981
SHERK, H., AND S. LEVAY: The Visual Claustrum of the Cat. III. Receptive Field Properties	993
BYLUND, D. B., AND J. R. MARTINEZ: Postsynaptic Localization of α_2 -Adrenergic Receptors in Rat Submandibular Gland	1003
WONG, R. G., R. D. HADLEY, S. B. KATER, AND G. C. HAUSER: Neurite Outgrowth in Molluscan Organ and Cell Cultures: The Role of Conditioning Factor(s)	1008
DINGLEDINE, R.: Possible Mechanisms of Enkephalin Action on Hippocampal CA1 Pyramidal Neurons	1022
DAVIS, W. C., AND M. K. TICKU: Picrotoxinin and Diazepam Bind to Two Distinct Proteins: Further Evidence That Pentobarbital May Act at the Picrotoxinin Site	1036
FISHMAN, M. C., AND P. G. NELSON: Depolarization-induced Synaptic Plasticity at Cholinergic Synapses in Tissue Culture	1043
BOYLE, R., AND O. POMPEIANO: Relation between Cell Size and Response Characteristics of Vestibulospinal Neurons to Labyrinth and Neck Inputs	1052
Announcements	1067