

Auditory System

Physiology (CNS) · Behavioral Studies Psychoacoustics

By

M. Abeles G. Bredberg R. A. Butler J. H. Casseday
J. E. Desmedt I. T. Diamond S. D. Erulkar E. F. Evans
J. M. Goldberg M. H. Goldstein D. M. Green I. M. Hunter-Duvar
L. A. Jeffress W. D. Neff W. A. Yost E. Zwicker

Edited by

Wolf D. Keidel and William D. Neff

With 209 Figures



Springer-Verlag Berlin Heidelberg New York 1975

Contents

Chapter 1	Cochlear Nerve and Cochlear Nucleus. By E. F. EVANS. With 49 Figures	1
Chapter 2	Physiological Studies of Auditory Nuclei of the Pons. By J. M. GOLDBERG. With 20 Figures	109
Chapter 3	Physiological Studies of the Inferior Colliculus and Medial Geniculate Complex. By S. D. ERULKAR. With 30 Figures	145
Chapter 4	Single Unit Activity of the Auditory Cortex. By M. H. GOLDSTEIN, Jr. and M. ABELES. With 10 Figures	199
Chapter 5	Physiological Studies of the Efferent Recurrent Auditory System. By J. E. DESMEDT. With 11 Figures	219
Chapter 6	The Influence of the External and Middle Ear on Auditory Discriminations. By R. A. BUTLER. With 4 Figures.	247
Chapter 7	Behavioral Tests of Hearing and Inner Ear Damage. By G. BREDBERG and I. M. HUNTER-DUVAR. With 16 Figures	261
Chapter 8	Behavioral Studies of Auditory Discrimination: Central Nervous System. By W. D. NEFF, I. T. DIAMOND and J. H. CASSEDAY. With 25 Figures. .	307
Chapter 9	Scaling. By E. ZWICKER. With 40 Figures	401
Chapter 10	Localization of Sound. By L. A. JEFFRESS.	449
Chapter 11	Binaural Analysis. By D. M. GREEN and W. A. YOST. With 4 Figures. . .	461
Author Index.		481
Subject Index.		503