

SUBJECT INDEX

A

Afterdischarge, 48
 Amino acids, 85, 142
 Anoxia, 54
 Arousal, 161
 Artery, middle cerebral, 340
 Audition, 465
 Autoradiograms, 142

B

Behavior, 1, 12, 70, 103, 152, 161, 173,
 245, 315, 332, 357, 384, 478, 524, 538
 alternation, 36
 conditioned avoidance, 507
 emotional, 36
 postnatal, 263
 tachistoscopic, 384
 Bladder, 349
 reflexes, 271
 Brachium conjunctivum, 492

C

Cerebellum, unit activity, 48
 Cerebrospinal fluid, 118
 Cerebrum,
 electrode localization in, 201
 Chloride,
 concentration in CSF, 118
 Cholinesterase activity, 224
 Cobalt⁶⁰, 340
 Cold spots, of skin, 300
 Colliculi, inferior, 465
 Conditioning, aversive, 357
 Convulsions, 48
 Cortex, cerebral, 36, 285, 315, 357, 507
 auditory, 465
 cingulate, 36
 isolation of, 478
 motor, 507
 polarization of, 507
 prepyriform, 12, 70, 315
 sensorimotor, 407
 synchronization, 91
 unit activity, 48

D

Degeneration,
 of myelin, 252
 optic, 142
 retrograde thalamic, 186
 Depression,
 cortical spreading, 161
 2,4-Dichlorophenoxyacetic acid, 30
 Dipoles, of cortical activity, 285
 Discrimination,
 in hemidecorticate cats, 332
 temporal, 538
 Drugs,
 anticonvulsive, 30
 convulsant, 60
 tranquillizing, 263

E

Electrocorticogram, 48, 91, 103, 161
 Electrodes, intracerebral, 201
 Electroencephalogram, 152, 357, 507
 Electrolytes, glial, 186
 Electron microscopy, 224
 Esterases, of brain, 224
 Evoked potential, 465
 cortical, 315
 prepyriform, 12, 70

F

Fluid, interstitial, 186
 Food, deprivation and consumption, 12
 Forebrain, 435
 ablation in fish, 173
 inhibitory mechanisms, 91, 103
 medial, 36

G

Genes, 252
 Geniculate bodies, lateral, 186
 Golgi, Camillo, *iii*

H

Heart rate, in fish, 173
 Hematuria, 349

Hemidecortication, 332
Hind limb, reflexes, 451
Hippocampus, 36, 161, 357, 538
Hue discrimination, 173
Hyperneurotization, 129
Hypothalamus, 91, 426, 435
Hypothermia, 118

I

Input, afferent, 407
Irradiation, gamma, 340

L

Learning, 245

M

Mesencephalon, 349, 384, 426
 projections from, 435
Microelectrode, 48, 285
Motoneuron, gamma, 524
Motor end plate, 129
Muscle,
 denervation of, 129
 hind-limb, 451
Mutation, genetic, 252
Myelination, 252

N

Neuroglia, 142
 ionic content of, 186
Neuron, somatosensory, 407
Neurotomy, trigeminal, 478
Nucleus,
 cuneate, 407
 motor V, 372
 sensory V, 372

O

Optic, ablation, 186
 pathways, 142

P

Pathway,
 corticofugal and intracortical, 492
 olfactory, 315

 optic, 142
 spinal V, 372
Perception, 384
Projection,
 cerebellocortical, 492
Proprioception, 524

R

Rage, 426
Reflex,
 spinal monosynaptic, 451
 vesicomotor, 271
Regeneration, of nerve fibers, 129
Reinforcement, 1
Resistance changes, cerebral, 201
Response,
 avoidance, 507
 conditional and unconditional, 21, 315
 conditioned, 524
Rhinencephalon, 538

S

Seizures, 48
 audiogenic, 30, 245
Septum, 1, 538
Skin, sensitivity, 300
Sleep, 103
Spinal cord, lateral column, 271
Sprouting, of nerve fibers, 129

T

Tegmentum, mesencephalic, 384
Telencephalon, fish, 173
Thalamus, 357, 492
Time judgment, 152
Transamination reaction, 85
Trigeminal nerve, 372, 478

V

Vision,
 color, 173
 tachistoscopic, 384
Vocalization, 426

W

Warmth spots,
 of skin, 300