

Note: Disregard page numbers (highlighted in yellow), they have changed in this reformatting (there are few page numbers, and topics are easy to find in the text).

Index

Boldface numbers refer to Atlas Levels; items with no numbers may be found in the Nomenclature Tables (with references to the literature). Numbers for Atlas Levels indicate that a structure is present, whether or not it is labeled in the drawing. The use of eponyms is discussed in text (section VI). Many common synonyms are listed here for the reader's convenience, although such a list is obviously incomplete—there are probably on the order of 10^4 terms relevant to the structures and nomenclature adopted here, and only about 850 synonyms are given.

A1 [Dahlström-Fuxe], *see* paragigantocellular reticular nucleus, lateral part

A2 [Dahlström-Fuxe], *see* nucleus of the solitary tract, medial part

A4 [Dahlström-Fuxe], *see* locus coeruleus

A5 [Dahlström-Fuxe], *see* pontine reticular nucleus, caudal part

A6 [Dahlström-Fuxe], *see* locus coeruleus

A8 [Dahlström-Fuxe], *see* mesencephalic reticular nucleus, retrorubral area

A9 [Dahlström-Fuxe], *see* substantia nigra, compact part

A10 [Dahlström-Fuxe], *see* ventral tegmental area

A12 [Dahlström-Fuxe], *see* arcuate nucleus of the hypothalamus

A13 [Fuxe], *see* zona incerta, dopaminergic group

abducens nerve [Eustacius](VIIn)

abducens nucleus (VI) **53-54**

accessory abducens nucleus (ACVI) **52**

accessory auditory nucleus, *see* ventral cochlear nucleus

accessory cuneate nucleus, *see* external cuneate nucleus

accessory facial nucleus (ACVII) **52-53, 55**

accessory motor nucleus of the trigeminal nerve, *see* mesencephalic nucleus of the trigeminal nerve

accessory nucleus of the masticator nucleus, *see* mesencephalic nucleus of the trigeminal nerve

accessory nucleus of the tuber cinereum [Cajal], *see* premammillary nuclei

accessory olfactory bulb [Balogh](AOB) **2-3**

accessory olfactory bulb, glomerular layer (AOBgl) **3**

accessory olfactory bulb, granule cell layer (AOBgr) **2-3**

accessory olfactory bulb, mitral layer (AOBmi) **3**

accessory olfactory nerve, *see* vomeronasal nerve

accessory optic tract (aot) **37**

accessory spinal nerve [Coiter](XIn)

accessory superior olive, *see* superior olivary complex, medial part

accessory supraoptic group (ASO)

accessory vagus nerve, *see* cranial root of the accessory spinal nerve

acervulus, *see* pineal gland

acetylcholinesterase staining method **36**

acoustic nerve, *see* vestibulocochlear nerve

acoustic tubercle, *see* dorsal cochlear nucleus

adenohypophysis, *see* pituitary gland, anterior lobe

afterbrain, *see* medulla

agranular insular area (AI) **5-28**

agranular insular area, dorsal part (AId) **5-14**

agranular insular area, posterior part (AIp) **15-28**

agranular insular area, ventral part (AIv) **9-14**

albicanes prominentiae duae pone infundibulum [Vieussens], *see* mammillary body

alveus [Burdach](alv) **27-43**

Ammonic bundle of the tuber cinereum [Cajal], *see* medial corticohypothalamic tract

Ammon's horn [Noguez](CA) **26-40**

amygdala [Burdach](AMY)

amygdalar capsule [here](amc) **22-32**

amygdalofugal pathway, *see* ansa peduncularis

amygdalohippocampal (transition) area, *see* posterior nucleus amygdala

amygdalopiriform transition [Paxinos-Watson], *see* postpiriform transition area

Andersch's ganglion, *see* inferior glossopharyngeal ganglion

angular bundle [Cajal](ab) **38-43**

angular nucleus (medulla), *see* superior vestibular nucleus

angular nucleus (temporal lobe)[Cajal], *see* medial entorhinal area

angular nucleus (thalamus)[Cajal], *see* anterodorsal nucleus thalamus

angular nucleus (thalamus)[Rose 1935], *see* central lateral nucleus of the thalamus

annular protuberance [Vic d'Azyr], *see* pons

annular protuberance [Willis], *see* middle cerebellar peduncle

ansa lenticularis, *see* pallidothalamic pathway

ansa peduncularis [Gratiolet](apd)

ansiform lobule (AN) **50-64**

ansiform lobule, crus 1, sublobules a-d (ANcr1a-d) **50-62**

ansiform lobule, crus 2, sublobules a,b (ANcr2a,b) **56-68**

ansoparamedian fissure (apf) **59-68**

anterior amygdaloid area (AAA) **21-25**

anterior choroidal nodule [McLardy], *see* subfornical organ

anterior cingulate area (ACA) **6-24**

anterior cingulate area, dorsal part (ACAd) **6-24**

anterior cingulate area, ventral part (ACAv) **11-24**

anterior (white) column [Stilling 1846], *see* ventral funiculus

anterior commissural nucleus [Cajal], *see* interanteromedial nucleus, thalamus

anterior commissural nucleus [Peterson], *see* paraventricular nucleus hypothalamus, anterior
magnocellular part

anterior commissure [Riolan] (ac) **1-21**

anterior commissure, anterior limb, *see* anterior commissure, olfactory limb

anterior commissure, intrabulbar, *see* anterior commissure, olfactory limb

anterior commissure, olfactory limb (aco) **1-21**

anterior commissure, posterior limb, *see* anterior commissure, temporal limb

anterior commissure, temporal limb (act) **17-21**

anterior extremity, spinal cord [Vic d'Azyr], *see* ventral horn

anterior gray commissure, spinal cord [Stilling 1842], *see* central gray

anterior horn, *see* ventral horn

anterior hypothalamic area (AHA) **22**

anterior hypothalamic area [Paxinos-Watson], *see* anterior hypothalamic nucleus

anterior hypothalamic nucleus (AHN) **21-27**

anterior hypothalamic nucleus, anterior part (AHNa) **21-25**

anterior hypothalamic nucleus, central part (AHNc) **23-27**

anterior hypothalamic nucleus, dorsal part (AHNd) **27**

anterior hypothalamic nucleus, posterior part (AHNp) **25-27**

anterior laterolateral visual area (VISlla) **40-42**

anterior level, hypothalamus (ANT)

anterior lobe cerebellum (ALC)

anterior medial preoptic nucleus [Paxinos-Watson], *see* anteroventral periventricular nucleus

anterior medullary velum [Reil], *see* rostral medullary vellum

anterior nuclei, dorsal thalamus [Nissl](ATN)

anterior nucleus hypothalamus [Bleier], *see* medial preoptic nucleus

anterior nucleus, tuber cinereum [Cajal], *see* ventromedial nucleus, hypothalamus

anterior olfactory nucleus [Kölliker](AON) **3-9**

anterior olfactory nucleus, dorsal part (AONd) **4-5**

anterior olfactory nucleus, dorsal part, molecular layer (AONd1) **4-5**

anterior olfactory nucleus, dorsal part, pyramidal layer (AONd2) **4-5**

anterior olfactory nucleus, external part (AONe) **3-4**

anterior olfactory nucleus, external part, molecular layer (AONe1) **3-4**

anterior olfactory nucleus, external part, pyramidal layer (AONe2) **3-4**

anterior olfactory nucleus, lateral part (AONI) **3-5**

anterior olfactory nucleus, lateral part, molecular layer (AONI1) **3-5**

anterior olfactory nucleus, lateral part, pyramidal layer (AONI2) **3-5**

anterior olfactory nucleus, medial part (AONm) **4-8**

anterior olfactory nucleus, medial part, molecular layer (AONm1) **4-8**

anterior olfactory nucleus, medial part, pyramidal layer (AONm2) **4-8**

anterior olfactory nucleus, posteroventral part (AONpv) **4-9**

anterior olfactory nucleus, posteroventral part, molecular layer (AONpv1) **4-9**

anterior olfactory nucleus, posteroventral part, pyramidal layer (AONpv2) **4-9**

anterior or superior internal nucleus, thalamus [Cajal], *see* mediodorsal nucleus

anterior peduncle of the pineal gland, *see* habenular commissure

anterior perforated substance, space [Vicq d'Azyr], *see* olfactory tubercle

anterior periventricular nucleus hypothalamus (PVa) **23-25**

anterior pillars of the fornix or trigone, *see* columns of the fornix

anterior pretectal nucleus (APN) **34-38**

anterior pyramid, *see* pyramid

anterior quadrigeminal tubercle, *see* superior colliculus

anterior semilunar nucleus [Cajal], *see* ventral anterior-lateral complex, thalamus

anterior tegmental nucleus (AT) **44-45**

anterior venter, *see* lateral ventricle

anterior ventricle [Galen], *see* lateral ventricle

anterior white commissure, spinal cord [Vic d'Azyr], *see* ventral commissure

anterodorsal nucleus thalamus (AD) **24-27**

anterodorsal preoptic nucleus (ADP) **18-20**

anterograde axonal degeneration **41**

anterograde axonal transport tracing methods **44ff.**

anterolateral visual area (VISal) **35-40**

anteromedial nucleus thalamus (AM) **24-27**

anteromedial nucleus thalamus, dorsal part (AMd) **24-27**

anteromedial nucleus thalamus, ventral part (AMv) **24-27**

anteromedial visual area (VISam) **35-39**

anteroventral nucleus thalamus (AV) **23-27**

anteroventral periventricular nucleus hypothalamus (AVPV) **17-19**

anteroventral preoptic nucleus (AVP) **17-20**

anus [Vieussens], *see* cerebral aqueduct

aorticomesenteric ganglion, *see* superior mesenteric ganglion

apex of the dorsal horn, *see* substantia gelatinosa; marginal zone

appendix bombycinus, *see* Ammon's horn

aqueduct of Sylvius [Hasius], *see* cerebral aqueduct

arbor vitae (arb) **52-61**

arch [Galen], *see* fornix

archencephalon [Von Kupffer], *see* cerebrum

archicortex, *see* hippocampal formation

archistriatum, *see* amygdala

architectonics **33, 36 ff.**

arcuate bundle of the septum, *see* dorsal fornix

arcuate fascicle [Burdach], *see* superior longitudinal fascicle

arcuate nucleus brainstem [Arnold], *see* pontine gray

arcuate nucleus cingulate cortex [Cajal,] *see* retrosplenial area

arcuate nucleus hypothalamus [Clark](ARH) **26-30**

arcuate nucleus thalamus [Kölliker], *see* ventral posteromedial nucleus

area 4, *see* primary motor area

area 17, *see* primary visual area

area 24, *see* anterior cingulate area

area 25, *see* infralimbic area

area 27, *see* presubiculum

area 28, *see* entorhinal area

area 29, *see* retrosplenial area

area 32, *see* prelimbic area

area 35, *see* perirhinal area

area 36, *see* ectorhinal area

area 48, *see* postsubiculum

area 49, *see* parasubiculum

area postrema (AP) **69-70**

area X [Rexed], *see* central gray spinal cord

Arnold's ganglion, *see* otic ganglion

ascending cerebellar bundle, *see* dorsal spinocerebellar tract

ascending column (crus, pillar) of the fornix, *see* mammillothalamic tract

ascending root of the trigeminal nerve [arch.], *see* spinal tract of the trigeminal nerve

auditory areas (AUD) **30-39**

auditory nerve, *see* cochlear nerve or vestibulocochlear nerve

auditory olive, *see* superior olive

Auerbach's plexus, *see* myenteric plexus

autoradiographic tracing method **44 ff.**

autonomic nervous system [Langley, 1898] (ANS)

axon morphology descriptors **46**

axonal transport tracing methods **44**

Barrington's nucleus (B) **49-50**

basal ganglia, *see* basal nuclei

basal nucleus of Ganser, *see* olfactory tubercle

basal nucleus of Meynert [Kölliker], *see* substantia innominata

basal nucleus of the dorsal horn (BN)

basal olfactory radiation [Edinger 1893], *see* medial forebrain bundle

basal optic ganglion [Meynert], *see* supraoptic nucleus

basal optic root [Edinger], *see* accessory optic tract

basic, basis bundle, *see* fasciculus proprius

basis pedunculi, *see* cerebral peduncle

Basle Nomina Anatomica (BNA) **69**

basolateral nucleus amygdala (BLA) **24-35**

basolateral nucleus amygdala, anterior part (BLAa) **24-29**

basolateral nucleus amygdala, posterior part (BLAp) **28-35**

basomedial nucleus amygdala (BMA) **22-35**

- basomedial nucleus amygdala, anterior part (BMAa) **22-28**
- basomedial nucleus amygdala, posterior part (BMAp) **27-35**
- Bechterew's nucleus, *see* superior vestibular nucleus
- bed nuclei stria terminalis [Johnston](BST) **16-23**
- bed nuclei stria terminalis, anterior division (BSTa) **16-23**
- bed nuclei stria terminalis, anterior division, anterodorsal area (BSTad) **16-20**
- bed nuclei stria terminalis, anterior division, anterodorsal area, central core (BSTcc) **18**
- bed nuclei stria terminalis, anterior division, anterolateral area (BSTal) **16-21**
- bed nuclei stria terminalis, anterior division, anteroventral area (BSTav) **16-20**
- bed nuclei stria terminalis, anterior division, dorsolateral nucleus (BSTdl) **20-21**
- bed nuclei stria terminalis, anterior division, dorsomedial nucleus (BSTdm) **16-20**
- bed nuclei stria terminalis, anterior division, fusiform nucleus (BSTfu) **18-19**
- bed nuclei stria terminalis, anterior division, juxtacapsular nucleus (BSTju) **18-19**
- bed nuclei stria terminalis, anterior division, magnocellular nucleus (BSTmg) **20-21**
- bed nuclei stria terminalis, anterior division, oval nucleus (BSTov) **18-19**
- bed nuclei stria terminalis, anterior division, rhomboid nucleus (BSTrh) **20-21**
- bed nuclei stria terminalis, anterior division, subcommissural zone (BSTsc) **17-19**
- bed nuclei stria terminalis, anterior division, ventral nucleus (BSTv) **20-23**
- bed nuclei stria terminalis, posterior division (BSTp) **19-23**
- bed nuclei stria terminalis, posterior division, cell-sparse zone (BSTsz) **22**
- bed nuclei stria terminalis, posterior division, dorsal nucleus (BSTd) **19-21**
- bed nuclei stria terminalis, posterior division, interfascicular nucleus (BSTif) **22-23**
- bed nuclei stria terminalis, posterior division, premedullary nucleus (BSTpm)

bed nuclei stria terminalis, posterior division, principal nucleus (BSTpr) **21-23**

bed nuclei stria terminalis, posterior division, strial extension (BSTse) **20-22**

bed nuclei stria terminalis, posterior division, transverse nucleus (BSTtr) **22**

bed nucleus accessory olfactory tract [Scalia-Winans] (BA) **25-26**

bed nucleus anterior commissure [Gurdjian] (BAC) **20-21**

bed nucleus of the hippocampal commissure [Humphrey], *see* subfornical organ

bed nucleus of the stria medullaris [Risold-Swanson 1995](BSM) **22**

between brain, *see* interbrain (diencephalon)

bigeminal (tectal) optic tract, *see* brachium of the superior colliculus

Bischoff's nucleus, *see* gracile nucleus, median part

bombyx, *see* Ammon's horn

brachial plexus (bp)

brachium conjunctivum, *see* superior cerebellar peduncle

brachium of the inferior colliculus (bic) **35-44**

brachium of the superior colliculus (bsc) **32-42**

brachium pontis, *see* middle cerebellar peduncle

brain [Willis], *see* cerebral cortex

brain (BR)

brain trunk, *see* brainstem

brainstem (BS)

bulb, *see* medulla

bulbar nucleus of the lateral funiculus, *see* lateral reticular nucleus

bulbar olive, *see* inferior olive

bulbocerebellar tract (bct)

bundle of Schütz, *see* dorsal longitudinal fascicle

Burdach's column, *see* cuneate fascicle

buttocks [Galen], *see* superior colliculus

buttocks [Mondino da Luzzi], *see* thalamus

C1 [Dahlström-Fuxe], *see* paragigantocellular reticular nucleus, lateral part

C2 [Dahlström-Fuxe], *see* nucleus of the solitary tract, medial part

CA4 [Lorente de Nó], *see* dentate gyrus, polymorph layer

callosal gyrus or lobe [Broca], *see* cingulate gyrus

callous body, *see* corpus callosum

caput rosae, *see* infundibulum

caudal intracentral fissure (icec) **54**

caudal medullary vellum [Tarin](CMVE)

caudate nucleus [Malacarne], *see* caudoputamen

caudoputamen (CP) **10-31**

celiac ganglion (GCE)

cell types, neuronal **73**

center of the dorsal horn, *see* neck of the dorsal horn

central autonomic nucleus, *see* dorsal commissural nucleus

central canal, spinal cord/medulla [Fernel](C) **69-73**

central cervical nucleus (CEC)

central gray (CG)

central gray brain (CGB)

central gray matter, pars α [Meessen-Olszewski], *see* nucleus incertus, diffuse part

central gray spinal cord (CGS)

central gray matter (thalamus), *see* paraventricular nucleus of the thalamus

central lateral nucleus thalamus [Rioch 1928](CL) **28-33**

central linear nucleus raphé (CLI) **39-43**

central lobule (CENT) **47-57**

central lobule, lobule II, sublobules a,b (CENT2a,b) **47-54**

central lobule, lobule III, sublobules a,b (CENT3a,b) **48-57**

central magnocellular nucleus of the raphé [Cajal], *see* dorsal nucleus of the raphé

central medial nucleus thalamus [Rioch 1928](CM) **25-33**

central medullary (white) lamina of the thalamus [Cajal], *see* internal medullary lamina

central nervous system (CNS) **12**

central nucleus amygdala (CEA) **22-30**

central nucleus amygdala, capsular part (CEAc) **22-29**

central nucleus amygdala, lateral part (CEAl) **26-30**

central nucleus amygdala, medial part (CEAm) **23-28**

central nucleus corpus striatum, *see* globus pallidus

central pathway of the lateral funiculus [Cajal], *see* rubrospinal tract

central substantia gelatinosa, *see* central gray

central tegmental bundle [Bechterew](ctb)

central tegmental field [Berman], *see* mesencephalic reticular nucleus

centre médian nucleus [Luys], *see* parafascicular nucleus

centrum geminum semicirculare [Vieussens], *see* internal capsule

cerebellar commissure (cbc) **54-56**

cerebellar cortex (CBX) **47-71**

cerebellar cortex, (internal) granule cell layer (CBXg) **48-71**

cerebellar cortex, hemisphere (CBXh)

cerebellar cortex, molecular layer (CBXm) **47-71**

cerebellar cortex, Purkinje layer (CBXp) **48-71**

cerebellar cortex, vermis (CBXv)

cerebellar olive, *see* dentate nucleus

cerebellar peduncles (cbp)

cerebellar ventricle, *see* fourth ventricle

cerebellum [Herophilus, Erasistratus](CB) **47-71**

cerebral aqueduct [Sylvius](AQ) **35-47**

cerebral aqueduct, collicular recess (AQc) **48-49**

cerebral cortex (CTX) **4-49**

cerebral ganglia, anterior and posterior [Vieussens], *see* basal nuclei

cerebral hemisphere, *see* endbrain (telencephalon) **13**

cerebral marrow, *see* brain

cerebral peduncle (cpd) **28-43**

cerebral peduncle [archaic], *see* cerebral peduncle and tegmentum

cerebral root of the trigeminal nerve, *see* mesencephalic root of the trigeminal nerve

cerebral trigone, *see* fornix

cerebral ventricle, *see* lateral ventricle

cerebri testiculi [Casserio], *see* mammillary body

cerebrospinal axis, *see* central nervous system

cerebrospinal fluid **16**

cerebrum [arch.], *see* endbrain

cerebrum [His 1895], *see* forebrain and midbrain

cerebrum oblongatum [Quain-Wilson], *see* spinal cord

cervical plexus (cep)

cervical spinal ganglia, 1-8 (G-C1-8)

cervicothalamic tract (cett)

cervicothoracic ganglion, *see* stellate ganglion

chain ganglia, *see* sympathetic trunk

chemoarchitectonics **36**

chief auditory nucleus, *see* medial vestibular nucleus

cholera toxin pathway tracing **46, 48**

choroid body [Galen], *see* choroid plexus

choroid meninges [Herophilus], *see* choroid plexus

choroid plexus (chp) **16, 16-38, 50-67**

choroid fissure (chf) **23-38, 50-67**

choroidal fissure (eye)(cho)

chromatolysis **42**

ciliary body, ganglion, or nucleus [GoII], *see* dentate nucleus, cerebellum

ciliary ganglion [Willis]

ciliary nucleus [Jiminez-Castellanos], *see* Edinger-Westphal nucleus

cingulate cortex, *see* prelimbic area, anterior cingulate area

cingulate region [Burdach](CNG)

cingulum bundle [Burdach](cing) **10-39**

circumventricular organs **14**

Clarke's (gray, vesicular) column [Kölliker], *see* dorsal nucleus of the spinal cord

claustrum [Burdach](CLA) **7-28**

coccygeal spinal ganglia, 1-3 (G-Co1-3)

coccygeal sympathetic ganglion (Gs-C)

cochlear ganglion, *see* spiral ganglion

cochlear nerve (cVIII_n)

cochlear nuclei (CN) **49-58**

cochlear nuclei, granular lamina (CN_{lam}) **55-56**

cochlear nuclei, subpeduncular granular region (CN_{spg}) **49-53**

collateral ganglia, *see* prevertebral sympathetic ganglia

collatorium, *see* pituitary gland, infundibulum

colliculus striati [Winkler-Potter], *see* nucleus accumbens

columns of the fornix (fx) **18-35**

commissura magna cerebri, *see* corpus callosum

commissura maxima, *see* corpus callosum

commissura media, *see* middle thalamic commissure

commissura mollis, *see* middle thalamic commissure

commissura optica, *see* optic chiasm

commissura taeniae [Haller], *see* habenular commissure

commissural nucleus, *see* nucleus of Darkschewitsch

commissural nucleus [Cajal], *see* nucleus of the solitary tract, commissural part

commissural nucleus, periaqueductal gray [here](COM) **36-39**

commissuram crassiaris nervi aemulam [Vieussens], *see* anterior commissure

commissure of Forel, *see* supramammillary decussation

commissure of the anterior cerebral ganglia [Gall-Spurzheim], *see* anterior commissure

commissure of the corpus striatum [Gall-Spurzheim], *see* anterior commissure

commissure of the inferior colliculus (cic) **46-48**

commissure of the posterior cerebral ganglia [Gall-Spurzheim], *see* posterior commissure

commissure of the superior colliculus (csc) **37-39**

commissure y [Forel], *see* supramammillary decussation

commissures **15**

common oculomotor nucleus, *see* oculomotor nucleus

common ventricle, *see* third ventricle and cerebral aqueduct

conarium, *see* pineal gland

coordinate systems **28 ff.**

copula pyramidis, sublobules a,b (COPYa,b) **58-69**

cornua fornicis [Lancisi], *see* hippocampus

corpora albicantia, *see* mammillary body

corpora mammillaria [Gall-Spurzheim], *see* mammillary body

corpora olivaria [Vieussens], *see* inferior olivary complex

corpora pisiformia [Quain-Wilson], *see* mammillary body

corpora quadrigemina [Galen], *see* tectum

corpora striata inferiora externa posteriora [Vieussens], *see* lentiform nucleus

corpora striata superna anteriora [Vieussens], *see* caudate nucleus

corpora striata superna posteriora [Vieussens], *see* thalamus

corpora teretia, *see* inferior olivary complex

corporis pontobulbaris [Essick], *see* pontine gray

corpus callosum [Galen](cc) **16-33**

corpus callosum, anterior forceps [Arnold](fa) **8-11**

corpus callosum, body (ccb)

corpus callosum, genu (ccg) **12-15**

corpus callosum, posterior forceps [Arnold](fp) **38-42**

corpus callosum, rostrum (ccr) **10-13**

corpus callosum, splenium [Burdach](ccs) **34-37**

corpus cameratum [Tarin], *see* fornix

corpus candicans [Willis], *see* mammillary body

corpus ciliare [Reil], *see* dentate nucleus

corpus dentatum [Vic d'Azyr], *see* dentate nucleus

corpus deutatum s. serratum eminentiae olivaris [Willis 1664], *see* inferior olivary complex

corpus Luysii, *see* subthalamic nucleus

corpus peribigiminum [Bechterew], *see* parabigminal nucleus

corpus rhomboidium [Quain-Wilson], *see* deep cerebellar nuclei

corpus striatum [Willis], *see* basal ganglia

corpus striatum intraventriculare [Gratiolet], *see* caudate nucleus

corpus striatum extraventriculare [Gratiolet], *see* lentiform nucleus

corpus turbinatum [Hoff], *see* pineal gland

cortex-amygdala transition zone [Paxinos-Watson], *see* piriform area

Corti's ganglion, *see* spiral ganglion

cortical nucleus amygdala (COA) **22-36**

cortical nucleus amygdala, anterior part (COAa) **22-28**

cortical nucleus amygdala, posterior part (COAp) **27-36**

cortical nucleus amygdala, posterior part, lateral zone (COApl) **27-34**

cortical nucleus amygdala, posterior part, medial zone (COApm) **30-36**

corticobulbar tract (cbt)

corticopontine tract (cpt)

corticorubral tract (crt)

corticospinal tract (cst) **42-47**

corticospinal tract, uncrossed [Burdach, Türck](cstu)

corticotectal tract (cte)

couche optique, *see* thalamus

cranial root of the accessory spinal nerve, *see* vagus nerve

crossed temporoammonic tract [Cajal], *see* dorsal hippocampal commissure

crura cerebelli, *see* cerebellar peduncles (especially middle)

crura fornicis [Albinus 1744], *see* hippocampus

crus cerebri, *see* cerebral peduncle

crus 1, fissures 1-3 (cr1f1-3) **53-60**

crus 2 fissure (cr2f) **61-66**

culmen (CUL) **48**

culmen, lobules IV,V (CUL4,5) **49-60**

cuneate fascicle [Burdach](cuf) **66-73**

cuneate nucleus [Burdach](CU) **65-73**

cuneiform nucleus [Castaldi](CUN) **44-48**

cuneocerebellar tract (cct)

cytoarchitectonics **36, 49**

databases **51, 60ff.**

declival fissure 2 (def2) **61**

declive (VI), sublobules a-d (DECa-d) **56-67**

decussation of the superior cerebellar peduncle [Wernekinck](dscp) **43-45**

decussation of the trochlear nerve (IVd)

decussatio subthalamica anterior [Ganser], *see* supraoptic commissure, anterior

deep cerebellar nuclei (DNC) **54-59**

deep mesencephalic nucleus, *see* mesencephalic reticular nucleus

deep olfactory radiations [Dejerine], *see* medial forebrain bundle

Deiters' nucleus, *see* lateral vestibular nucleus

dentate gyrus [Tarin](DG) **26-42**

dentate gyrus, crest (DGcr) **28-42**

dentate gyrus, crest-granule cell layer (DGcr-sg) **28-40**

dentate gyrus, crest-molecular layer (DGcr-mo) **28-42**

dentate gyrus, crest-polymorph layer (DGcr-po) **28-39**

dentate gyrus, lateral blade (DGlb) **28-39**

dentate gyrus, lateral blade-granule cell layer (DGlb-sg) **28-39**

dentate gyrus, lateral blade-molecular layer (DGlb-mo) **28-39**

dentate gyrus, lateral blade-polymorph layer (DGlb-po) **28-39**

dentate gyrus, medial blade (DGmb) **26-39**

dentate gyrus, medial blade-granule cell layer (DGmb-sg) **26-39**

dentate gyrus, medial blade-molecular layer (DGmb-mo) **26-39**

dentate gyrus, medial blade-polymorph layer (DGmb-po) **27-39**

dentate nucleus [Vicq d'Azyr](DN) **54-57**

dentate nucleus, parvicellular part (DNp) **55-56**

descending column (pillar) of the fornix, *see* columns of the fornix

descending motor root of the trigeminal nerve, *see* mesencephalic tract of the trigeminal nerve

descending nucleus of the ninth and tenth cranial nerves, *see* nucleus of the solitary tract, medial part

descending nucleus of the trigeminal nerve, *see* spinal nucleus of the trigeminal nerve; mesencephalic nucleus of the trigeminal nerve

descending root of the masticator nerve, *see* mesencephalic root of the trigeminal nerve

descending root of the trigeminal nerve, *see* spinal root of the trigeminal nerve (sometimes mesencephalic root, arch)

descending triangular nucleus, *see* spinal vestibular nucleus

descending vestibular nucleus [Cajal], *see* spinal vestibular nucleus

dextrans (fluorescent), as pathway tracers **48**

diacele, *see* third ventricle

diagonal band [Broca](db)

diencephalon, *see* interbrain

diffuse magnocellular nucleus [Kölliker], *see* tegmental reticular nucleus

diffuse supraoptic nucleus [Gurdjian], *see* accessory supraoptic group

DiI and DiO, pathway tracers **46**

direct temporoammonic pathway [Cajal], *see* perforant path

discus lentiformis [Meynert, Forel], *see* subthalamic nucleus

distal glossopharyngeal ganglion [Andersch] (GdIX)

distal vagal ganglion (GdX)

distortion of sections **23 ff., 26, 54 ff.**

ditch [Rufus of Ephus], *see* infundibulum

dorsal acoustic stria [Monakow](das)

dorsal auditory areas (AUDd) **30-39**

dorsal bulbar nucleus of the pneumogastric nerve, *see* nucleus of the solitary tract

dorsal cochlear nucleus (DCO) **54-58**

dorsal column nuclei (DCN) **65-73**

dorsal column, *see* dorsal funiculus

dorsal columns (dc)

dorsal commissural nucleus of the spinal cord (DOC)

dorsal (superior) commissural nucleus of the thalamus [Cajal], *see* paraventricular nucleus

thalamus

dorsal commissure, spinal cord (dcm)

dorsal fornix (df) **21-33**

dorsal fountain decussation, *see* dorsal tegmental decussation

dorsal hippocampal commissure (dhc) **33-45**

dorsal horn bundle, *see* dorsolateral fasciculus proprius

dorsal horn, spinal cord (DH)

dorsal hypothalamic area, *see* posterior hypothalamic nucleus

dorsal longitudinal fascicle [Schütz](dlf)

dorsal marrow [Hippocratic Writers], *see* spinal cord

dorsal marrow or medulla [Vesalius], *see* hindbrain

dorsal motor nucleus vagus nerve (DMX) **64-73**

dorsal nucleus of the lateral lemniscus, *see* nucleus of the lateral lemniscus

dorsal nucleus of the vagus nerve, *see* dorsal motor nucleus of the vagus nerve

dorsal nucleus raphé (DR) **43-49**

dorsal nucleus raphé (thalamus)[Cajal], *see* paraventricular nucleus thalamus

dorsal nucleus septum [Cajal], *see* triangular nucleus of the septum

dorsal nucleus spinal cord [Stilling, Clarke](DSN)

dorsal nucleus spinal cord, caudal part [Stilling](DSNc)

dorsal nucleus thalamus [Kölliker], *see* anterior nuclei, dorsal thalamus

dorsal nucleus thalamus, dorsal part, *see* anteroventral nucleus

dorsal nucleus thalamus, ventral part, *see* anteromedial nucleus

dorsal nucleus tuber cinereum [Cajal], *see* dorsomedial nucleus hypothalamus

dorsal peduncular cortex, *see* infralimbic area

dorsal premammillary nucleus (PMd) **32-33**

dorsal peduncular cortex [Haberly-Price], *see* piriform area (rostral tip)

dorsal psalterium [Ganser], *see* dorsal hippocampal commissure

dorsal pyramidal decussation, *see* internal arcuate fibers

dorsal roots [Coiter](drt)

dorsal spinocerebellar tract [Flechsig](sctd) **70**

dorsal tegmental decussation [Meynert](dtd) **40-42**

dorsal tegmental nucleus [Gudden](DTN) **48-51**

dorsal tegmental tract [Lindvall-Björklund] (dtt)

dorsal terminal nucleus accessory optic tract (DT) **39**

dorsal thalamic nuclei, *see* anterior thalamic nuclei

dorsal thalamus (DOR)

dorsal tuberal nucleus [Bleier], *see* anterior hypothalamic nucleus, dorsal part

dorsal vestibular nucleus, *see* medial vestibular nucleus

dorsolateral fascicle [Lissauer](dl)

dorsomedial nucleus hypothalamus (DMH) **28-31**

dorsomedial nucleus hypothalamus, anterior part (DMHa) **28-31**

dorsomedial nucleus hypothalamus, posterior part (DMHp) **29-31**

dorsomedial nucleus hypothalamus, ventral part (DMHv) **30-31**

dorsomedial nucleus, *see* mediodorsal nucleus

dorsomedial periolivary nucleus, *see* periolivary region

dysgranular insular area, *see* gustatory area

ectomammillary nucleus [Edinger], *see* medial terminal nucleus accessory optic tract

ectorhinal area (ECT) **29-48**

ectorhinal fissure, *see* rhinal fissure

Edinger-Westphal nucleus (EW) **38-42**

efferent cochlear group (ECO)

efferent cochleovestibular bundle (cvb) **53**

efferent vestibular nucleus (EV) **53**

Ehrenritter's ganglion, *see* proximal glossopharyngeal ganglion

electronmicroscopy **38**

emboliform nucleus, *see* interposed nucleus

embotum [Berengario], *see* infundibulum

eminentia rotunda magna [Ketham], *see* hypothalamus

encapsulated nucleus of the BST [Young], *see* principal nucleus of the BST

encephalon [Homer], *see* brain

endbrain (EB)

endopiriform nucleus [Loo](EP) **5-37**

endopiriform nucleus, dorsal part (EPd) **5-33**

endopiriform nucleus, ventral part (EPv) **22-37**

endorhinal groove (eg)

enteric nervous system [Langley](ENS)

entopeduncular nucleus [Monakow], *see* globus pallidus, medial segment

entorhinal area (ENT) **28-48**

entorhinal area, lateral part, layers 1-6 (ENTl1-6) **28-48**

entorhinal area, medial part, dorsal zone, layers 1-6 (ENTm1-6) **40-48**

entorhinal area, medial part, ventral zone [Haug] (ENTmv) **36-39**

epencephalon, *see* cerebellum

epencephalon [Reichert], *see* pons

epencranis [Erasistratus], *see* cerebellum

ependymal canal, *see* central canal

epiphysis, *see* pineal gland

epirubrospinal nucleus, *see* nucleus of the lateral lemniscus

epithalamus (EPI)

errors, mapping 52 ff.

experimental neuroanatomical methods 33 ff.

external capsule [Burdach](ec) **10-45**

external cuneate nucleus [Monakow, Blumenau 1891](ECU) **59-70**

external medullary lamina thalamus [Forel 1872](em) **28-35**

external oculomotor nucleus, *see* abducens nucleus

external preolivary nucleus, *see* lateral periolivary nucleus

external region of the parahippocampal gyrus [Cajal], *see* perirhinal area

external root of the olfactory bulb (nerve), *see* lateral olfactory tract

extralimbic mass [Broca 1888], *see* hemispheric region

extrapyramidal fiber systems (eps)

extreme capsule (ee) **16-20**

facial nerve (VIIIn) **5-54**

facial nucleus (VII) **53-59**

falciform nucleus [Cajal], *see* paracentral nucleus

fascia dentata [Meckel], *see* dentate gyrus

fascia dentata [Tarin], *see* dentate gyrus, Ammon's horn

fasciculus communis, *see* solitary tract

fasciculus olfactomesencephalicus [Bischoff], *see* medial forebrain bundle

fasciculus proprius [His](fpr)

fasciculus retroflexus [Meynert](fr) **32-39**

fasciola cinerea [Reil, Arnold](FC) **28-37**

fasciolar gyrus, *see* fasciola cinerea

fastigial nucleus (FN) **55-59**

fiber degeneration methods **40**

fibers-of-passage **42 ff.**

fiducial points **56**

field CA1, Ammon's horn [Lorente de Nó](CA1) **28-40**

field CA1, pyramidal layer (CA1sp) **28-40**

field CA1, pyramidal layer, deep (CA1spd) **29-40**

field CA1, pyramidal layer, superficial (CA1sps) **29-40**

field CA1, stratum lacunosum-moleculare [Meynert](CA1slm) **28-40**

field CA1, stratum oriens [Sala](CA1so) **28-40**

field CA1, stratum radiatum [Meynert](CA1sr) **28-40**

field CA2, Ammon's horn [Lorente de Nó](CA2) **28-37**

field CA2, pyramidal layer (CA2sp) **28-37**

field CA2, stratum lacunosum-moleculare (CA2slm) **28-37**

field CA2, stratum oriens (CA2so) **28-37**

field CA2, stratum radiatum (CA2sr) **28-37**

field CA3, Ammon's horn [Lorente de Nó](CA3) **26-39**

field CA3, pyramidal layer (CA3sp) **26-39**

field CA3, stratum lacunosum-moleculare (CA3slm) **26-38**

field CA3, stratum lucidum [Honegger](CA3slu) **27-38**

field CA3, stratum oriens (CA3so) **26-39**

field CA3, stratum radiatum (CA3sr) **27-39**

fields of Forel (FF) **33-35**

filiform nucleus [Winkler-Potter], *see* paraventricular nucleus hypothalamus

fillet, *see* lemniscus (most commonly, medial)

filum terminale (ft)

fimbria [Vieussens](fi) **22-33**

fimbria fornicis [Vieussens], *see* fimbria

fimbrial nucleus, cerebellum, *see* dentate nucleus

fine structure of neurons **33**

Fink-Heimer method **40**

fissural region of the parahippocampal gyrus [Cajal], *see* perirhinal area

flatmaps **66 ff.**

Flechsig's tract, *see* dorsal spinocerebellar tract

flocculonodular lobe cerebellum (FNL)

flocculus (FL) **49-55**

fluorescent dyes, pathway tracing **46 ff.**

fluoro-gold, pathway tracing **47**

folium-tuber vermis (VII)(FOTU) **62-70**

footprints, *see* flatmaps

foramen commune anterius, *see* interventricular foramen

foramen of Luschka, *see* lateral aperture, fourth ventricle

foramen of Magendie, *see* median aperture, fourth ventricle

foramen of Monro, *see* interventricular foramen

forebrain (FB)

Forel's decussation, *see* ventral tegmental decussation

Forel's fascicle, *see* lenticular fascicle

fornicate gyrus [Arnold], *see* cingulate and retrohippocampal regions

fornix inferior [Kölliker], *see* fimbria

fornix longus [Forel], *see* dorsal fornix

fornix periphericus [Arnold], *see* cingulum

fornix superior [Kölliker], *see* dorsal fornix

fornix system [Galen](fxs)

fornix transversus, *see* ventral hippocampal commissure

fornix vera [Vieussens], *see* corpus callosum

fountain decussation [Meynert], *see* dorsal tegmental decussation

fourth ventricle (V4) **48-68**

fourth ventricle, lateral recess (V4r) **49-60**

fovea limbica, *see* rhinal fissure

frenula nova [Tarin], *see* stria terminalis

frenulum, pineal gland, *see* habenular commissure

frontal lobe [Haller], *see* frontal region

frontal olfactory cortex [Cajal], *see* piriform area (rostral part)

frontal olfactory tract (pathway)[Cajal], *see* medial forebrain bundle

frontal pole (FRP) **4**

frontal region (FRO)

frozen sections **19**

fundamental bundle, *see* fasciculus proprius

fundus of the striatum (FS) **13-20**

funiculi nervei [Sylvius de Le Boé 1663], *see* stria medullaris

gadroonate body [Vic d'Azyr], *see* dentate gyrus

ganglion of the IIIrd nerve [Solly], *see* substantia nigra

ganglion (nucleus) tecti [Stilling], *see* fastigial nucleus

ganglionic chain [Galen], *see* sympathetic trunk

ganglionic nervous system [Bichat], *see* autonomic nervous system

Ganser's commissure, *see* supraoptic commissures, anterior

Gasserian ganglion, *see* trigeminal ganglion

geniculate ganglion (GgVII)

geniculate group of the dorsal thalamus (GENd) **32-39**

genu of the facial nerve (gVIIIn) **52-56**

gigantocellular reticular nucleus (GRN) **53-68**

gigantocellular reticular nucleus pars α [Meessen-Olszewski], *see* magnocellular reticular nucleus

gigantocellular vestibular nucleus, *see* lateral vestibular nucleus

glands **14**

glandulae candicantes [Willis 1664], *see* mammillary body

globose nucleus, *see* interposed nucleus

globus pallidus [Burdach](GP) **19-29**

globus pallidus, lateral segment (GPl) **19-29**

globus pallidus, medial segment (GPm) **23-28**

glossopharyngeal nerve (IXn)

glutea, *see* inferior colliculi

Golgi method **37**

Goll's column and nucleus, *see* gracile fascicle and nucleus

Gowers' tract, *see* ventral spinocerebellar tract

gracile fascicle [Goll](grf) **73**

gracile nucleus [Goll](GR) **69-73**

gracile nucleus, median part [Bischoff](GRm) **73**

grand sympathetic nerve [Winslow], *see* sympathetic trunk

granular insular area, *see* visceral area

gray commissure spinal cord, *see* dorsal commissure of the spinal cord

gray commissure thalamus, *see* middle thalamic commissure

great brain, *see* endbrain

great cerebellar commissure, *see* middle cerebellar peduncle

great commissure (cerebrum), *see* corpus callosum

great king [Galen], *see* brain

great transverse commissure, *see* corpus callosum

gross dissection **34**

ground bundle, *see* fasciculus proprius

Gudden's commissure, *see* supraoptic commissures, ventral part

Gudden's tegmental bundle, *see* mammillothalamic tract

gustatory area (GU) **7-20**

gustatory nucleus (thalamus), *see* ventral posteromedial nucleus, parvicellular part

gustatory nucleus [Nageotte](medulla), *see* nucleus of the solitary tract, medial part, (rostral zone)

habenula [Meynert], *see* medial and lateral habenula

habenular commissure [Haller](hbc) **34-35**

habenulo-interpeduncular tract, *see* fasciculus retroflexus

head of the dorsal horn, *see* nucleus proprius

Held's stria, *see* intermediate acoustic stria

hemispheric region, cerebellum (HEM)

hemispheric region, endbrain (HEMR)

hindbrain (HB)

hippocampal commissures [David](hc)

hippocampal fissure [Gratiolet](hf) **28-42**

hippocampal formation (HPF)

hippocampal region [Aranzi](HIP)

hippocampal ventricle [Arantius], *see* lateral ventricle, inferior horn

hippocampus major, *see* Ammon's horn

hippopotamus [Mayer], *see* hippocampus

histochemistry **33, 36**

histofluorescence method **36**

histological stains **35 ff.**

horseradish peroxidase (HRP), pathway tracer **46, 48**

human brain **11**

hypogastric ganglion, *see* pelvic ganglion

hypoglossal nerve (XII)n)

hypoglossal nucleus (XII) **64-73**

hypophysis, *see* pituitary

hypothalamic nucleus [Kölliker], *see* subthalamic nucleus

hypothalamohypophysial tract (hht)

hypothalamus [His](HY) **15-37**

immunohistochemistry **36, 48**

induseum griseum [Valentin](IG) **11-37**

inferior central nucleus [Bechterew 1899], *see* gigantocellular reticular nucleus

inferior central nucleus [Marburg], *see* nucleus raphé magnus and obscurus

inferior cerebellar peduncle [Ridley](icp) **53-69**

inferior colliculus (IC) **43-51**

inferior colliculus, central nucleus (ICc) **48-50**

inferior colliculus, dorsal nucleus (ICd) **48-51**

inferior colliculus, external nucleus (ICe) **43-50**

inferior commissure, *see* supraoptic commissures

inferior corpus bigeminum, *see* inferior colliculus

inferior fillet or lemniscus, *see* lateral lemniscus

inferior glossopharyngeal ganglion, *see* distal glossopharyngeal ganglion

inferior longitudinal commissure [Gall-Spurzheim], *see* fornix

inferior mesenteric ganglia (GIM)

inferior motor nucleus of the trigeminal nerve, *see* motor nucleus of the trigeminal nerve

inferior nucleus of the lateral lemniscus, *see* ventral nucleus of the lateral lemniscus

inferior olivary complex [Vieussens](IO) **60-71**

inferior olivary complex, dorsal accessory olive (IOda) **60-68**

inferior olivary complex, medial accessory olive (IOma) **60-71**

inferior olivary complex, principal olive (IOpr) **60-66**

inferior salivatory nucleus (ISN) **53-57**

inferior spinal nerve, *see* accessory spinal nerve

inferior vestibular nucleus, *see* spinal vestibular nucleus

infero-internal cortex of the frontal lobe [Cajal], *see* nucleus of the diagonal band

infracerebellar nucleus (ICB) **55-56**

infralimbic area (ILA) **7-12**

infrasomatosensory nucleus [Cajal], *see* zona incerta

infundibular nucleus [Spatz], *see* arcuate nucleus

infundibulum [Galen] (INF) **31**

infundibulum, external lamina (INFex) **31**

infundibulum, internal lamina (INFin) **31**

infusorium [Avicenna], *see* infundibulum

in situ hybridization **36, 48**

insular region [Vic d'Azyr, Reil](INS)

inter ad quartum ventriculum, *see* cerebral aqueduct

interammonic commissure, *see* ventral hippocampal commissure

interanterodorsal nucleus thalamus (IAD) **24-27**

interanteromedial nucleus thalamus (IAM) **25-27**

interbrain (IB)

intercalated nuclei amygdala (IA) **19-30**

intercalated nucleus [Clark], *see* lateral mammillary nucleus

intercalated nucleus of the spinal cord (ICS)

intercollicular nucleus, *see* superior colliculus, deep gray layer

intercolumnar tubercle [Putnam], *see* subfornical organ

intercostal nerve [Willis], *see* sympathetic trunk

intercrural fissure (icf) **57-62**

interdorsal commissural nucleus, *see* interanteromedial nucleus

interfascicular nucleus raphé (IF) **37-39**

interhemispheric cortex, *see* cingulate region

intermediate acoustic stria [Held](ias)

intermediate gray spinal cord (IH)

intermediate linear nucleus [Brown], *see* central linear nucleus

intermediate nerve [Wrisberg](iVIIIn)

intermediate nucleus thalamus [Cajal], *see* ventral medial nucleus

intermediate olfactory nucleus, *see* olfactory tubercle

intermediate periventricular nucleus hypothalamus (PVi) **26-31**

intermediodorsal nucleus thalamus (IMD) **28-33**

intermediolateral column spinal cord (IML)

intermediolateral visual area (VISli) **41-44**

intermediomedial column spinal cord (IMM)

internal arcuate fibers (iaf)

internal capsule [Burdach](int) **18-30**

internal medullary lamina thalamus [Burdach](im) **32-33**

internal nucleus thalamus [Burdach], *see* mediodorsal nucleus

internal preolivary nucleus [Cajal], *see* medial periolivary nucleus

interpeduncular nucleus [Gudden](IPN) **39-43**

interpeduncular nucleus, apical subnucleus (IPNa) **43**

interpeduncular nucleus, central subnucleus (IPNc) **39-43**

interpeduncular nucleus, dorsomedial subnucleus (IPNd) **40-43**

interpeduncular nucleus, intermediate subnucleus (IPNi) **40-43**

interpeduncular nucleus, lateral subnucleus (IPNI) **39-43**

interpeduncular nucleus, lateral subnucleus, dorsal part (IPNld) **40-43**

interpeduncular nucleus, lateral subnucleus, intermediate part (IPNli) **40-43**

interpeduncular nucleus, lateral subnucleus, rostral part (IPNlr) **39**

interpeduncular nucleus, lateral subnucleus, ventral part (IPNlv) **40-43**

interpeduncular nucleus, rostral subnucleus (IPNr) **39-42**

interposed nucleus (IP) **54-59**

interposed nucleus, parvicellular part (IPp) **57-59**

interstitial nucleus [Bechterew 1897], *see* nucleus of Darkschewitsch

interstitial nucleus auditory nerve (IAN) **51-53**

interstitial nucleus of Cajal (INC) **37-39**

interstitial nucleus of Forel's commissure [Brown], *see* ventral tegmental area

interstitial nucleus of the medial longitudinal fascicle [Boyce 1895], *see* interstitial nucleus of
Cajal

interstitial nucleus of the solitary tract, *see* nucleus of the solitary tract, lateral part

interstitial nucleus of the spinal cord [Cajal], *see* reticular nucleus of the spinal cord

interstitial nucleus of the temporal cortex projection pathway [Cajal], *see* bed nucleus of the stria terminalis

interstitial nucleus vestibular nerve (INV)

interstitial system of the spinal trigeminal tract, *see* paratrigeminal nucleus

interthalamic adhesion, *see* midline nuclei, dorsal thalamus

interthalamic commissure, *see* middle thalamic commissure

intertrigeminal nucleus, *see* motor nucleus of the trigeminal, parvicellular part

interventricular foramen [Monro](IVF) **22**

intracentral fissure 2 (ice2) **51**

intraculminate fissure 1 (icu1) **51-55**

intralaminar nuclei, dorsal thalamus (ILM)

intraparafloccular fissure (ipf) **57-61**

intraventricular nucleus of the corpus striatum, *see* caudate nucleus

involuntary nervous system [Gaskell 1886], *see* autonomic nervous system

island of Reil, *see* insular region

islands of Calleja (olfactory tubercle)(isl) **10-18**

isocortex (ISO) **4-49**

isocortex, deep supragranular pyramidal layer (ISO3) **4-48**

isocortex, granular layer (ISO4) **4-48**

isocortex, infragranular pyramidal layer (ISO5) **4-48**

isocortex, molecular layer (ISO1) **4-49**

isocortex, polymorph layer (ISO6) **4-47**

isocortex, superficial supragranular pyramidal layer (ISO2) **4-49**

jugular ganglion, *see* proximal vagal ganglion

juxtaolivary nucleus [Cajal], *see* dorsal accessory olive

juxtarestiform body (jrb)

Kölliker-Fuse subnucleus (of PB)(KF) **47-49**

lacuna cerebri [Mondino], *see* infundibulum, pituitary

lacunar [Vieussens], *see* middle thalamic commissure, massa intermedia

lambdoid septal zone [Paxinos-Watson], *see* medial septal nucleus

lamina cornea, *see* stria terminalis

lamina cornea [Burdach], *see* external medullary lamina, reticular nucleus thalamus

lamina I (spinal cord), *see* marginal zone of the spinal cord

lateral accessory olive, *see* dorsal accessory olive

lateral acoustic tubercle, *see* dorsal cochlear nucleus

lateral aperture, fourth ventricle [Luschka](LAP) **49-61**

lateral cerebellar nucleus, *see* dentate nucleus

lateral cerebellar peduncle [Reil], *see* middle cerebellar peduncle

lateral cervical nucleus [Rexed, Brodal](LCN)

lateral cervical nucleus, trigeminal extension [Gobel et al. 1977], *see* paratrigeminal nucleus

lateral (white) column [Stilling 1846], *see* lateral funiculus

lateral dorsal nucleus thalamus (LD) **26-31**

lateral fillet, *see* lateral lemniscus

lateral forebrain bundle (lfb)

lateral forebrain bundle system (lfbs)

lateral geniculate complex [Santorini](LG) **31-37**

lateral geniculate complex, dorsal part (LGd) **31-37**

lateral geniculate complex, intergeniculate leaflet (IGL) **34-36**

lateral geniculate complex, ventral part [Kölliker](LGv) **32-36**

lateral geniculate complex, ventral part, lateral zone (LGvl) **32-36**

lateral geniculate complex, ventral part, medial zone (LGvm) **33-36**

lateral habenula [Nissl](LH) **27-33**

lateral hypothalamic area [Nissl 1913](LHA) **22-34**

lateral lemniscus [Reil](ll) **44-48**

lateral mammillary nucleus [Gudden](LM) **34-35**

lateral nuclei, dorsal thalamus (LAT)

lateral nucleus amygdala (LA) **25-32**

lateral nucleus of the medulla, *see* lateral reticular nucleus

lateral oculomotor nucleus, *see* abducens nucleus

lateral olfactory nucleus, *see* piriform area

lateral olfactory tract (lot) **3-25**

lateral olfactory tract, dorsal limb (lotd) **2, 3**

lateral posterior nucleus thalamus (LP) **30-38**

lateral preolivary nucleus, *see* superior olivary complex, periolivary region

lateral preoptic area (LPO) **15-21**

lateral reticular nucleus (LRN) **64-72**

lateral reticular nucleus, magnocellular part (LRNm) **64-71**

- lateral reticular nucleus, parvicellular part (LRNp) **67-72**
- lateral septal complex [Risold-Swanson 1997](LSX)
- lateral septal nucleus [Cajal](LS) **10-21**
- lateral septal nucleus, caudal (caudodorsal) part (LSc) **12-21**
- lateral septal nucleus, caudal part, dorsal zone (LSc.d) **12-21**
- lateral septal nucleus, caudal part, dorsal zone, dorsal region (LSc.d.d) **16-20**
- lateral septal nucleus, caudal part, dorsal zone, lateral region (LSc.d.l) **18-20**
- lateral septal nucleus, caudal part, dorsal zone, rostral region (LSc.d.r) **12-17**
- lateral septal nucleus, caudal part, dorsal zone, ventral region (LSc.d.v) **18-20**
- lateral septal nucleus, caudal part, ventral zone (LSc.v) **15-20**
- lateral septal nucleus, caudal part, ventral zone, intermediate region (LSc.v.i) **18-20**
- lateral septal nucleus, caudal part, ventral zone, lateral region (LSc.v.l) **15-20**
- lateral septal nucleus, caudal part, ventral zone, lateral region, dorsal domain (LSc.v.l.d) **16-20**
- lateral septal nucleus, caudal part, ventral zone, lateral region, ventral domain (LSc.v.l.v) **18-20**
- lateral septal nucleus, caudal part, ventral zone, medial region (LSc.v.m) **18-20**
- lateral septal nucleus, caudal part, ventral zone, medial region, dorsal domain (LSc.v.m.d) **18-19**
- lateral septal nucleus, caudal part, ventral zone, medial region, ventral domain (LSc.v.m.v) **18-19**
- lateral septal nucleus, rostral (rostroventral) part (LSr) **10-19**
- lateral septal nucleus, rostral part, dorsolateral zone (LSr.dl) **14-17**
- lateral septal nucleus, rostral part, dorsolateral zone, lateral region (LSr.dl.l) **14-17**
- lateral septal nucleus, rostral part, dorsolateral zone, lateral region, dorsal domain (LSr.dl.l.d) **14-17**
- lateral septal nucleus,, rostral part, dorsolateral zone, lateral region, ventral domain (LSr.dl.l.v)

16-17

lateral septal nucleus, rostral part, dorsolateral zone, medial region (LSr.dl.m) **15-17**

lateral septal nucleus, rostral part, dorsolateral zone, medial region, dorsal domain (LSr.dl.m.d)

15-17

lateral septal nucleus, rostral part, dorsolateral zone, medial region, ventral domain (LSr.dl.m.v)

16-17

lateral septal nucleus, rostral part, medial zone (LSr.m) **12-19**

lateral septal nucleus, rostral part, medial zone, dorsal region (LSr.m.d) **15-17**

lateral septal nucleus, rostral part, medial zone, ventral region (LSr.m.v) **15-19**

lateral septal nucleus, rostral part, medial zone, ventral region, caudal domain (LSr.m.v.c) **18-19**

lateral septal nucleus, rostral part, medial zone, ventral region, rostral domain (LSr.m.v.r) **15-17**

lateral septal nucleus, rostral part, ventrolateral zone (LSr.vl) **11-18**

lateral septal nucleus, rostral part, ventrolateral zone, dorsal region (LSr.vl.d) **11-15**

lateral septal nucleus, rostral part, ventrolateral zone, dorsal region, lateral domain (LSr.vl.d.l)

11-15

lateral septal nucleus, rostral part, ventrolateral zone, dorsal region, medial domain (LSr.vl.d.)

11-15

lateral septal nucleus, rostral part, ventrolateral zone, ventral region (LSr.vl.v) **16-18**

lateral septal nucleus, ventral part (LSv) **18-20**

lateral spinal nucleus (LSN)

lateral spinothalamic tract (sttl)

lateral tegmental nucleus [here](LTN) **49**

lateral terminal nucleus accessory optic tract (LT) **37**

lateral ventricle (VL) **11-36**

lateral vestibular nucleus [Deiters](LAV) **53-56**

lateral zone hypothalamus (LZ)

lateroanterior nucleus hypothalamus [Paxinos-Watson], *see* anterior hypothalamic nucleus, anterior part

lateroanterior nucleus thalamus [Nissl], *see* anterodorsal nucleus

laterodorsal tegmental nucleus (LDT) **45-50**

laterolateral visual area (VISII) **43-44**

lattice nucleus, *see* reticular nucleus thalamus

layers, data **59, 60**

lemniscal decussation, *see* internal arcuate fibers

lemniscus laqueus, *see* trigonum lemnisci

lenticular body, *see* subthalamic nucleus

lenticular fascicle [Forel], *see* pallidothalamic pathway

lenticulate nucleus cerebellum, *see* dentate nucleus

lenticulate nucleus telencephalon, *see* lentiform nucleus

lentiform body [Willis], *see* basal nuclei

lentiform (lenticular) nucleus [Burdach], *see* globus pallidus and putamen

limbic region, telencephalon (LIM)

limbic fissure or sulcus, *see* rhinal sulcus

limbus posterior of the striatum [Willis 1672], *see* internal capsule

linear distortion **54**

linear nucleus medulla (LIN) **62-65**

lingula (I) (LING) **51-57**

Lissauer's zone, *see* dorsolateral fascicle

little buttocks [Galen], *see* tectum

locus coeruleus [Vicq d'Azyr](LC) **49-52**

locus niger, crurum cerebri [Vic d'Azyr], *see* substantia nigra

lumbar spinal ganglia, 1-6 (G-L1-6)

lumbar sympathetic ganglia, 1-6 (Gs-L1-6)

lumbosacral plexus (lsp)

lymphatic system **16**

lyra [David], *see* hippocampal commissures

lyre [Galen], *see* fornix system

magnocellular nucleus hypothalamus [Loo], *see* paraventricular nucleus hypothalamus

magnocellular nucleus medulla, *see* nucleus ambiguus

magnocellular nucleus thalamus [Cajal], *see* anterodorsal nucleus

magnocellular preoptic nucleus [Loo](MA) **16-23**

magnocellular reticular nucleus [Berman](MARN) **55-65**

magnocellular reticular nucleus [Kölliker], *see* gigantocellular reticular nucleus

magnocellular reticular nucleus, dorsal part [Cajal], *see* gigantocellular reticular nucleus

magnocellular reticular nucleus, ventral part [Cajal], *see* magnocellular reticular nucleus

magnocellular vestibular nucleus, *see* lateral vestibular nucleus

main olfactory bulb [Soemmerring](MOB) **1-4**

main olfactory bulb, glomerular layer (MOBgl) **1-4**

main olfactory bulb, granule cell layer (MOBgr) **1-4**

main olfactory bulb, inner plexiform layer (MOBipl) **1-4**

main olfactory bulb, mitral layer (MOBmi) **1-4**

main olfactory bulb, outer plexiform layer (MOBopl) **1-4**

main sensory nucleus of the trigeminal mantle, *see* principal sensory nucleus of the trigeminal

major island of Calleja (olfactory tubercle)(ism) **12-14**

mamillary processes [Banister], *see* frontal pole or olfactory bulb

mammillary body [Gall-Spurzheim](MBO) **32-37**

mammillary level, hypothalamus (MAM)

mammillary peduncle [Meynert](mp) **34-39**

mammillotegmental tract [Gudden](mtg) **34-39**

mammillothalamic tract [Vicq d'Azyr](mtt) **27-36**

mantle, cerebral hemispheres [Burdach], *see* pallium or cerebral cortex

mapping, errors **52**

mapping, strategy **56 ff.**

marginal nucleus of the brachium conjunctivum, *see* parabrachial nucleus

marginal zone spinal cord [Waldeyer](MZ)

massa intermedia, *see* midline nuclei, dorsal thalamus

masticator nucleus, *see* motor nucleus of the trigeminal nerve

Meckel's ganglion, *see* pterygopalatine ganglion

medial accessory nucleus [Bechterew](MAN) **39**

medial accessory nucleus of Darkschewitsch [Zeri], *see* nucleus of Darkschewitsch

medial cerebellar nucleus, *see* fastigial nucleus

medial corticohypothalamic tract (mct) **22**

medial fillet, *see* medial lemniscus

medial forebrain bundle [Edinger 1893](mfb)

medial forebrain bundle system (mfbs)

medial geniculate complex (MG) **36-39**

medial geniculate complex, dorsal part (MGd) **36-39**

medial geniculate complex, medial part (MGm) **36-39**

medial geniculate complex, ventral part (MGv) **36-39**

medial habenula [Nissl](MH) **26-35**

medial habenula, dorsal part (MHd)

medial habenula, ventral part (MHv)

medial lemniscus [Reil](ml) **33-71**

medial longitudinal fascicle (mlf) **39-73**

medial mammillary nucleus [Gudden](MM) **34-37**

medial mammillary nucleus, median part (MMme) **33-34**

medial nuclei dorsal thalamus (MED)

medial nucleus amygdala (MEA) **23-30**

medial nucleus amygdala, anterodorsal part (MEAad) **23-27**

medial nucleus amygdala, anteroventral part (MEAav) **26-27**

medial nucleus amygdala, posterodorsal part, sublayers a-c (MEApd-a,b,c) **28-30**

medial nucleus amygdala, posteroventral part (MEApv) **28-29**

medial nucleus of the trapezoid body, *see* nucleus of the trapezoid body

medial (median) nucleus thalamus, *see* ventral medial nucleus of the thalamus

medial periolivary nucleus, *see* superior olivary complex, periolivary region

medial preoptic area (MPO) **16-23**

medial preoptic nucleus (MPN) **20-23**

medial preoptic nucleus [Bleier], *see* anteroventral periventricular nucleus

medial preoptic nucleus, central part (MPNc) **20-21**

medial preoptic nucleus, lateral part (MPNl) **19-23**

medial preoptic nucleus, medial part (MPNm) **20-23**

medial pretectal area (MPT) **34-37**

medial root of the optic tract, *see* supraoptic commissure, ventral

medial septal complex (MSC) **13-22**

medial septal nucleus [Cajal](MS) **14-19**

medial (median) septal tract [Cajal], *see* medial corticohypothalamic tract

medial terminal nucleus accessory optic tract [Edinger](MT) **36-37**

medial tuberal nucleus [Paxinos-Watson], *see* tuberal nucleus

medial vestibular nucleus [Schwalbe](MV) **53-64**

medial zone hypothalamus (MEZ)

median aperture, fourth ventricle [Magendie](MAP) **68**

median eminence (ME) **26-30**

median eminence, external lamina (MEex) **26-30**

median eminence, internal lamina (MEin) **26-29**

median nucleus of the raphé, *see* superior central nucleus, medial part

median preoptic nucleus [Loo](MEPO) **17-21**

median ventricle, *see* third ventricle

mediodorsal nucleus thalamus (MD) **25-33**

mediodorsal nucleus thalamus, central part (MDc) **28-31**

mediodorsal nucleus thalamus, lateral part (MDl) **25-32**

mediodorsal nucleus thalamus, medial part (MDm) **25-33**

mediolateral visual area (VISlm) **41-44**

medioventral nucleus thalamus, *see* nucleus reuniens

medulla [arch.], *see* medulla and pontine tegmentum

medulla (MY)

medullar lamina [Burdach], *see* internal medullary lamina, thalamus

medulla oblongata [Haller], *see* medulla

medulla oblongata [Willis], *see* basal nuclei, interbrain, midbrain, and hindbrain

medulla spinalis, *see* spinal cord

medullary cord, *see* spinal cord

medullary dorsal horn, *see* spinal nucleus of the trigeminal nerve

medullary lamina, thalamus [Burdach], *see* internal medullary lamina

medullary reticular nucleus (MDRN) **69-73**

medullary reticular nucleus, dorsal part (MDRNd) **71-73**

medullary reticular nucleus, ventral part (MDRNv) **69-73**

medullary trunk [Willis], *see* midbrain and hindbrain

Meissner's plexus, *see* submucosal plexus

meninges **16, 17**

mesencephalic nucleus of the trigeminal (MEV) **43-51**

mesencephalic reticular nucleus (MRN) **34-46**

mesencephalic reticular nucleus, retrorubral area (RR) **40-43**

mesencephalic tract of the trigeminal nerve (mtV) **43-51**

mesencephalon, *see* midbrain

mesocele, *see* cerebral aqueduct

metacele, *see* fourth ventricle

metathalamus, *see* geniculate group, dorsal thalamus

metencephalon, *see* pons

metencephalon [Reichert], *see* medulla

Meynert's commissure, *see* dorsal supraoptic commissure

Meynert's decussation, *see* dorsal tegmental decussation

Meynert's tract, *see* fasciculus retroflexus

microcellular tegmental nucleus, *see* nucleus sagulum

midbrain (MB)

middle cerebellar peduncle (mcp) **41-51**

middle cervical ganglion (GMC)

middle thalamic commissure (mtc)

midline nuclei, dorsal thalamus (MID)

middle ventricle [Galen], *see* third ventricle

midline nucleus thalamus [Nissl], *see* rhomboid, central medial, and paracentral nuclei

minor protuberance [Willis], *see* trapezoid body

Monakow's bundle, *see* rubrospinal tract

Monakow's stria, *see* dorsal acoustic stria

morphology of neurons **33**

motor areas (MO) **4-31**

motor nucleus of the trigeminal nerve (V) **49-52**

motor nucleus of the trigeminal nerve, parvicellular part (Vpc) **47-50**

motor root of the trigeminal nerve [Prochaska](moV) **45-51**

mouse brain **11**

myelencephalon, *see* medulla

myeloarchitectonics **36**

myelon, *see* spinal cord

myenteric plexus [Auerbach](myp)

Nageotte's nucleus, *see* nucleus of the solitary tract, medial part, rostral zone (taste)

nates [Galen], *see* superior colliculus

Nauta method **40**

neocortex, *see* isocortex

neostriatum, *see* caudoputamen

nerve glandulae pinealis [Wharton], *see* stria medullaris

neural crest **12**

neural tube **12**

neurohemal zone, *see* median eminence, external zone

neurohypophysis, *see* pituitary, neural lobe

nigrostriatal tract (nst)

nigrothalamic fibers (ntt)

Nissl stain **41**

nodose ganglion, *see* distal vagal ganglion

nodular fissure (nf) **60-61**

nodulus (X), sublobules a,b (NODa,b) **58-66**

nomenclature **69 ff.**

nonlinear distortion **55**

normal neuroanatomical methods **33 ff.**

nuclei of the raphé (RA)

nucleus accumbens (ACB) **9-15**

nucleus alae cinereae [Jacobsohn], *see* nucleus of the solitary tract, dorsal motor nucleus of the
vagus

nucleus alaris [Ziehen], *see* dorsal motor nucleus of the vagus

nucleus alatus [Rose], *see* nucleus reuniens

nucleus ambiguus [Krause](AMB) **59-73**

nucleus ambiguus, dorsal division (AMBd) **59-71**

nucleus ambiguus, ventral division (AMBv) **60-73**

nucleus angularis [Bechterev], *see* medial vestibular nucleus

nucleus angularis [Nissl], *see* central lateral nucleus

nucleus basalis [Meynert], *see* substantia innominata

nucleus basalis, *see* inferior olive

nucleus brachium inferior colliculus (NB) **40-44**

nucleus bulbi fornicis, *see* mammillary body

nucleus caudatus thalami, *see* anterior group

nucleus centralis medius [Flechsig], *see* tegmental reticular nucleus

nucleus circularis (NC) **24**

nucleus conterminalis [Ziehen], *see* raphé pallidus

nucleus ependymalis [Winkler-Potter], *see* paraventricular nucleus thalamus

nucleus gelatinosa [Krieg], *see* submedial nucleus

nucleus incertus [Streeter](NI) **50-52**

nucleus incertus, compact part [here](NIc) **50-52**

nucleus incertus, diffuse part [here](NIId) **50-52**

nucleus innominata [Clarke], *see* nucleus ambiguus

nucleus innominatus [Bechterew], *see* mesencephalic reticular nucleus

nucleus intercalatus [Staderini](NIS) **64-65**

nucleus interstitialis tegmenti [Rioch 1929], *see* interstitial nucleus of Cajal

nucleus isthmi [Clark], *see* parabigeminal nucleus

nucleus K, *see* motor nucleus of the trigeminal nerve, parvicellular part

nucleus lateralis medius, *see* nucleus ambiguus

nucleus lateralis superior [Flechsig], *see* mesencephalic reticular nucleus

nucleus minimus [Monakow], *see* red nucleus

nucleus of Bechterew, *see* superior vestibular nucleus

nucleus of Darkschewitsch [Cajal](ND) **36-41**

nucleus of Darkschewitsch [Bernheim, Lewandowsky, Panegrossi], *see* interstitial nucleus of

Cajal

nucleus of Darkschewitsch [Darkschewitsch], *see* nucleus of Darkschewitsch and interstitial

nucleus of Cajal

nucleus of Roller (NR) **64-67**

nucleus of the accessory spinal nerve (XI)

nucleus of the ansa lenticularis, *see* substantia innominata

nucleus of the ansa peduncularis [Meynert], *see* substantia innominata, nucleus of the diagonal band, magnocellular preoptic nucleus

nucleus of the basal optic root [Gillilan 1941], *see* medial terminal nucleus of the accessory optic root

nucleus of the bulbocavernosus (NBC)

nucleus of the diagonal band [Broca](NDB) **13-22**

nucleus of the horizontal limb of the diagonal band [Price-Powell], *see* magnocellular preoptic nucleus

nucleus of the internal capsule [Cajal], *see* zona incerta (rostral) and perifornical zone of the lateral hypothalamic area

nucleus of the lateral funiculus [Cajal], *see* lateral reticular nucleus

nucleus of the lateral lemniscus [Bechterew](NLL) **43-48**

nucleus of the lateral olfactory tract [Ganser](NLOT) **22-25**

nucleus of the lateral olfactory tract, dorsal cap (NLOT3) **22-24**

nucleus of the lateral olfactory tract, molecular layer (NLOT1) **22-25**

nucleus of the lateral olfactory tract, pyramidal layer (NLOT2) **22-25**

nucleus of the mammillary peduncle [Papez], *see* ventral tegmental area

nucleus of the medial (posterior) longitudinal fascicle, *see* nucleus of Darkschewitsch

nucleus of the optic tract (NOT) **36-38**

nucleus of the posterior commissure (NPC) **34-36**

nucleus of the posterior commissure [Darkschewitsch], *see* nucleus of Darkschewitsch

nucleus of the posterior commissure [Kölliker], *see* interstitial nucleus of Cajal

nucleus of the solitary tract (NTS) **58-73**

- nucleus of the solitary tract, central part (NTSce) **65-68**
- nucleus of the solitary tract, commissural part [Cajal](NTSco) **69-73**
- nucleus of the solitary tract, dorsolateral part, *see* parasolitary nucleus
- nucleus of the solitary tract, gelatinous part (NTSge) **68-69**
- nucleus of the solitary tract, lateral part (NTSl) **63-73**
- nucleus of the solitary tract, medial part (NTSm) **58-72**
- nucleus of the taenia semicircularis [Cajal], *see* bed nuclei of the stria terminalis
- nucleus of the tectal (bigeminal) optic tract [Cajal], *see* nucleus of the optic tract
- nucleus of the tractus peduncularis transversus [Bechterew 1894], *see* medial terminal nucleus of the accessory optic tract
- nucleus of the trapezoid body (NTB) **48-53**
- nucleus of the tuber cinereum [Ganser], *see* ventromedial nucleus
- nucleus opticus tegmenti [Tsai], *see* medial terminal nucleus of the accessory optic tract
- nucleus peripeduncularis lateralis [Jacobsohn], *see* nucleus of the brachium of the inferior colliculus
- nucleus pigmentosis pontis [Jacobsohn], *see* locus coeruleus
- nucleus prepositus [Marburg](PRP) **55-63**
- nucleus proprius of the spinal cord (NP)
- nucleus raphe dorsalis thalamus [Clark], *see* paraventricular nucleus thalamus
- nucleus raphé magnus (RM) **49-56**
- nucleus raphé obscurus (RO) **60-71**
- nucleus raphé pallidus (RPA) **52-72**
- nucleus raphé pontis (RPO) **49-51**

nucleus reticularis tegmenti pontis, *see* tegmental reticular nucleus

nucleus retropyramidalis [Dejerine], *see* nucleus raphé pallidus

nucleus reuniens [Malone](RE) **23-30**

nucleus reuniens, rostral division, anterior part (REa) **23**

nucleus reuniens, rostral division, dorsal part (REd) **24-26**

nucleus reuniens, rostral division, lateral part (REl) **25-26**

nucleus reuniens, rostral division, median part (REm) **24-26**

nucleus reuniens, rostral division, ventral part (REv) **24**

nucleus reuniens, caudal division, dorsal part (REcd) **27-29**

nucleus reuniens, caudal division, median part (REcm) **27-29**

nucleus reuniens, caudal division, posterior part (REcp) **27-30**

nucleus sagulum (SAG) **42-45**

nucleus tecti, *see* fastigial nucleus

nucleus x [Brodal-Pompeiano](x) **55-59**

nucleus y [Brodal-Pompeiano](y) **55-58**

nucleus z [Brodal-Pompeiano](z) **65-67**

occipital lobe [Haller], *see* occipital region

occipital pole (OCP)[Broca 1878] **48**

occipital region (OCC)

oculomotor nerve (III_n) **38**

oculomotor nucleus (III) **40-43**

olfactory bundle of Ammon's horn [Zuckermandl], *see* Zuckermandl's septal bundle

olfactory cortex (OLF)

olfactory ganglion or lobe, *see* olfactory bulb

olfactory nerve (In)

olfactory projection pathway [Cajal], *see* medial forebrain bundle

olfactory radiations [Dejerine], *see* medial forebrain bundle

olfactory tubercle [Ganser](OT) **9-20**

olfactory tubercle, molecular layer (OT1) **9-20**

olfactory tubercle, polymorph layer (OT3) **9-20**

olfactory tubercle, pyramidal layer (OT2) **9-20**

olfactory ventricle, *see* rhinocele

olivary pretectal nucleus (OP) **34-37**

olivocerebellar tract (oct)

olivospinal tract [Helweg], *see* spino-olivary pathway; reticulospinal tract

Onuf's nucleus (ON)

ophthalmic ganglion, *see* ciliary ganglion

optic chiasm [Rufus of Ephesus](och) **15-20**

optic nerve [Alcmaeon](In) **5-14**

optic tectum, *see* superior colliculus

optic thalamus [Riolan], *see* interbrain

optic tract (opt) **21-39**

optic tubercle [Gall-Spurzheim], *see* superior colliculus

orbicular prominences [Willis], *see* tectum

orbital area (ORB) **4-9**

orbital area, lateral part (ORBl) **4-8**

orbital area, medial part (ORBm) **4-7**

orbital area, ventral part (ORBv) **4-9**

orbital area, ventrolateral part (ORBvl) **4-9**

otic ganglion [Arnold](GoIX)

outer part of the great brain ganglion [Reil], *see* lentiform nucleus

oval nucleus [Gurdjian], *see* suprachiasmatic nucleus

ovoid nucleus of the lateral geniculate body, *see* lateral geniculate complex, ventral part

ovoid nucleus thalamus [Cajal], *see* submedial nucleus

paleocortex, *see* olfactory cortex

paleostriatum, *see* pallidum

pallidotegmental fascicle (ptf)

pallidothalamic pathway (pap)

pallidum [Vogt-Vogt 1920](PAL)

pallium [Burdach](PALL), *see* cerebral cortex

parabigeminal nucleus [Bechterew](PBG) **42-44**

parabrachial nucleus (PB) **47-51**

parabrachial nucleus, central lateral part (PBlc) **47-51**

parabrachial nucleus, dorsal lateral part (PBld) **48-49**

parabrachial nucleus, external lateral part (PBle) **47-50**

parabrachial nucleus, external medial part (PBme) **50**

parabrachial nucleus, extreme lateral part (PBlex)

parabrachial nucleus, internal lateral part (PBli)

parabrachial nucleus, lateral division (PBl) **47-51**

parabrachial nucleus, medial division (PBm) **47-51**

parabrachial nucleus, medial medial part (PBmm) **47-51**

parabrachial nucleus, superior lateral part (PBls) **47**

parabrachial nucleus, ventral lateral part (PBlv) **48-52**

parabrachial nucleus, ventral medial part (PBmv) **50**

paracele, *see* lateral ventricle

paracentral nucleus thalamus [Gurdjian 1927](PCN) **28-31**

paracervical ganglion, *see* pelvic ganglion

paracommissural area [Elliot Smith], *see* septal region

parafascicular nucleus [Vogt](PF) **32-34**

parafloccular sulcus (pfs) **50-59**

paraflocculus (PFL) **50-61**

paragigantocellular reticular nucleus (PGRN) **53-66**

paragigantocellular reticular nucleus, dorsal part (PGRNd) **55-63**

paragigantocellular reticular nucleus, lateral part (PGRNI) **53-66**

parahippocampal gyrus, *see* retrohippocampal region

paralambdoid septal nucleus, *see* lateral septal nucleus, rostral division

paralemniscal nucleus, *see* nucleus of the lateral lemniscus

paramedian lobule (PRM) **58-68**

paramedian raphé, *see* superior central nucleus, lateral part

paramedian reticular nucleus [Mislawsky](PMR) **64-71**

paramedian sulcus (pms) **61-69**

paraolfactory area [Broca], *see* septal region

parapyramidal nucleus (PPY) **54-61**

parapyramidal nucleus, deep part (PPYd) **54-59**

parapyramidal nucleus, superficial part (PPYs) **54-61**

parasolitary nucleus (PAS) **66-69**

parastrial nucleus (PS) **17-21**

parasubiculum, layers 1-6 (PAR1-6) **40-48**

parasympathetic column (IMLp)

parasympathetic nervous system [Langley](PSN)

parasympathetic nervous system, cranial division (PSNc)

parasympathetic nervous system, sacral division (PSNs)

parataenial nucleus (PT) **22-26**

paraterminal body [Elliot Smith], *see* septal region

paratrigeminal nucleus (PAT) **63-71**

paraventricular nucleus hypothalamus [Malone] (PVH) **22-27**

paraventricular nucleus hypothalamus, anterior magnocellular part (PVHam) **22**

paraventricular nucleus hypothalamus, anterior parvicellular part (PVHap) **22-24**

paraventricular nucleus hypothalamus, descending division (PVHd)

paraventricular nucleus hypothalamus, dorsal parvicellular part (PVHdp) **25-26**

paraventricular nucleus hypothalamus, forniceal part (PVHf) **27**

paraventricular nucleus hypothalamus, lateral parvicellular part (PVHlp) **27**

paraventricular nucleus hypothalamus, magnocellular division (PVHm)

paraventricular nucleus hypothalamus, medial magnocellular part (PVHmm)

paraventricular nucleus hypothalamus, medial parvicellular part (PVHmp) **25-26**

paraventricular nucleus hypothalamus, medial parvicellular part, dorsal zone (PVHmpd) **25-27**

paraventricular nucleus hypothalamus, medial parvicellular part, ventral zone (PVHmpv) **26**

paraventricular nucleus hypothalamus, parvicellular division (PVHp)

paraventricular nucleus hypothalamus, periventricular part (PVHpv) **22-27**

paraventricular nucleus hypothalamus, posterior magnocellular part (PVHpm) **25-27**

paraventricular nucleus hypothalamus, posterior magnocellular part, lateral zone (PVHpml) **25-26**

paraventricular nucleus hypothalamus, posterior magnocellular part, medial zone (PVHpmm) **25-27**

paraventricular nucleus thalamus (PVT) **22-33**

paravertebral ganglia, *see* sympathetic trunk

parencephalis [Aristotle], *see* cerebellum

parencephalis [Herophilus], *see* hindbrain

parencephalon [Von Kupffer], *see* interbrain (without synencephalon)

parietal eye, *see* pineal gland

parietal lobe [Haller], *see* parietal region

parietal region (PTL)

parietal region, posterior association areas (PTLp) **32-42**

parolfactory area [Johnston], *see* septal region

parolfactory gyrus [Edinger], *see* olfactory tubercle

parvicellular oculomotor nucleus [Cajal], *see* Edinger-Westphal nucleus

parvicellular reticular nucleus (PARN) **51-70**

parvicellular vestibular nucleus, *see* medial vestibular nucleus

pathetic nerve [Willis], *see* trochlear nerve

peduncle of the annular protuberance, *see* middle cerebellar peduncle

peduncle of the medulla oblongata, *see* inferior cerebellar peduncle

peduncle of the pineal gland, *see* stria medullaris

peduncle of the tubercula quadrigemina, *see* superior cerebellar peduncle

pedunculopontine nucleus (PPN) **42-48**

pedunculus conarii, *see* habenula

pedunculus ganglii habenulae, *see* fasciculus retroflexus

pelvic ganglion (GPE)

pelvis [Galen], *see* infundibulum

penis cerebri, *see* pineal gland

perforant path (per)

periaqueductal gray (PAG) **34-47**

periaqueductal gray, dorsal division [Beitz](PAGd) **38-48**

periaqueductal gray, dorsolateral division [Beitz](PAGdl) **40-46**

periaqueductal gray, medial division [Beitz](PAGm) **34-48**

periaqueductal gray, rostromedial division [here](PAGr) **34-35**

periaqueductal gray, rostromedial division [here](PAGrm) **34-38**

periaqueductal gray, ventrolateral division(PAGvl) **38-47**

perichiasmatic nucleus [Cajal], *see* supraoptic nucleus

periependymal longitudinal tract, *see* dorsal longitudinal fascicle

perihypoglossal nuclei (PHY)

periolivary region (POR) **46-54**

peripeduncular nucleus (PP) **38-39**

peripheral nervous system (PNS) **12**

perireuniens nucleus (PR) **27-30**

perirhinal area (PERI) **28-41**

perisylvian tract or longitudinal fascicle [Cajal], *see* periependymal longitudinal fascicle

periventricular bundle hypothalamus (pvbh)

periventricular bundle thalamus (pvbt)

periventricular zone hypothalamus (PVZ)

pes pedunculi, *see* cerebral peduncle

petrosal ganglion, *see* distal glossopharyngeal ganglion

PHAL method **45**

phrenic nerve (phn)

phrenic nucleus (PN)

physical coordinates **28 ff.**

pineal commissure, *see* habenular commissure

pineal gland [Galen](PIN) **44-46**

pineal peduncle, *see* habenular commissure

pineal stalk (PIS) **35-43**

piniform decussation, *see* decussation of the medial lemniscus

piriform area (PIR) **5-33**

piriform area, molecular layer (PIR1) **5-33**

piriform area, polymorph layer (PIR3) **5-33**

piriform area, pyramidal layer (PIR2) **5-33**

piriform-amygdaloid area (PAA) **28-32**

pituitary gland [Galen](PIT) **32-40**

pituitary gland, anterior lobe (AL) **32-40**

pituitary gland, intermediate lobe (IL) **32-39**

pituitary gland, neural lobe (NL) **32-39**

pituitary stalk, *see* infundibulum

pixel based graphics **58**

plane of section **24, 52 ff.**

plexiform ganglion, *see* nodose ganglion

plexiform layer, *see* molecular layer

pneumogastric nerve, *see* vagus nerve

pneumospinal nucleus [Duval], *see* dorsal motor nucleus of the vagus nerve

pons [Varolio], *see* pontine gray and middle cerebellar peduncle

pons (P)

pontine central gray (PCG) **48-54**

pontine gray (PG) **42-47**

pontine micturition center, *see* Barrington's nucleus

pontine reticular nucleus (PRN) **44-52**

pontine reticular nucleus, caudal part (PRNc) **49-52**

pontine reticular nucleus, rostral part (PRNr) **44-48**

porta, *see* interventricular foramen

portiones externae corpus striatorum [Vic d'Azyr], *see* lentiform nucleus

postcommissural fornix [Elliot Smith] (fxpo)

posterior cerebral ganglion [Gall-Spurzheim], *see* thalamus

posterior (white) column [Stilling 1846], *see* dorsal funiculus

posterior commissure [Lieutaud] (pc) **34-37**

posterior complex thalamus (PO) **30-36**

posterior extremity, spinal cord [Vic d'Azyr 1784], *see* dorsal horn

posterior gray commissure, spinal cord [Stilling 1842], *see* central gray

posterior horn, *see* dorsal horn

posterior hypothalamic decussation [Kölliker], *see* ventral tegmental decussation

posterior hypothalamic nucleus (PH) **29-36**

posterior lemniscus, *see* medial lemniscus

posterior limiting nucleus thalamus (POL) **37-38**

posterior lobe cerebellum (PLC)

posterior longitudinal fascicle, *see* medial longitudinal fascicle

posterior medullary vellum [Reil], *see* caudal medullary velum

posterior nucleus amygdala (PA) **30-36**

posterior nucleus of the thalamus [Kölliker], *see* pretectal region

posterior nucleus of the thalamus [Luys], *see* pulvinar nucleus

posterior nucleus of the tuber cinereum [Cajal], *see* premammillary nuclei

posterior or superior temporal cortex [Cajal], *see* medial entorhinal area

posterior perforated substance, *see* interpeduncular nucleus

posterior periventricular nucleus hypothalamus (PVp) **31-35**

posterior pillar of the trigone, *see* fimbria

posterior pretectal nucleus (PPT) **37-38**

posterior pyramid [Gall-Spurzheim], *see* inferior cerebellar peduncle

posterior quadrigeminal tubercle, *see* inferior colliculus

posterior septal complex (PSC) **18-27**

posterior striated body [Gall-Spurzheim], *see* thalamus

posterior superior fissure (psf) **50-67**

posterior ventricle [Galen], *see* fourth ventricle

posterior vesicular column [Clarke 1851], *see* dorsal nucleus of the spinal cord

posterodorsal intraculminate fissure (icupd) **55**

posterodorsal preoptic nucleus (PD) **21**

posterolateral accessory horn [Reichert], *see* cuneate nucleus

posterolateral fissure (plf) **50-55, 61-65**

posterolateral nucleus of the thalamus [Nissl], *see* pretectal region

posterolateral visual area (VISpl) **45-47**

posteromedial accessory horn [Reichert], *see* gracile nucleus

posteromedial visual area (VISpm) **40-48**

postoptic commissures, decussations, *see* supraoptic commissures

postpiriform transition area (TR) **32-38**

postpyramidal nucleus [Clarke], *see* gracile nucleus

postpyramidal nucleus of the raphé [Cajal], *see* nucleus raphé pallidus

postsubiculum, layers 1-6 (POST1-6) **39-46**

prebigeminal nucleus, *see* pretectal region

precallosal nucleus [Cajal], *see* prelimbic area

precentral fissure (pce) **49-53**

precentral fissure a (pcea) **51-53**

precentral fissure b (pceb)

precommissural area (nucleus) [Cajal], *see* presubiculum

precommissural body [Elliot Smith], *see* septal region

precommissural fornix [Elliot Smith](fxpr) **18-21**

precommissural nucleus, periaqueductal gray [Paxinos-Watson](PRC) **34-35**

preculminate fissure (pcf) **49-56**

predorsal bundle [Edinger], *see* crossed tectospinal pathway

prefrontal region (PFR)

prelimbic area (PL) **4-10**

preolivary nucleus [Cajal], *see* superior olivary complex, periolivary region

preoptic level, hypothalamus [Edinger](PRO)

preoptic periventricular nucleus (PVpo) **20-22**

preoptic periventricular nucleus [Loo], *see* suprachiasmatic nucleus

prepeduncle, *see* superior cerebellar peduncle

prepyramidal fissure (ppf) **59-70**

prepyramidal nucleus, *see* pontine gray

presubiculum, layers 1-6 [Cajal](PRE1-6) **40-45**

pretectal region [Edinger](PRT) **34-38**

prevertebral sympathetic ganglia (GPRS)

primary auditory area (AUDp) **30-39**

primary fissure (pri) **49-60**

primary motor area (MOp) **5-31**

- primary somatosensory area (SSp) **8-33**
- primary somatosensory area, barrel field (SSp-bfd) **16-31**
- primary somatosensory area, lower limb region (SSp-ll) **18-27**
- primary somatosensory area, mouth region (SSp-m) **8-11**
- primary somatosensory area, nose region (SSp-n) **12-17**
- primary somatosensory area, trunk region (SSp-tr) **28-31**
- primary somatosensory area, upper limb region (SSp-ul) **11-27**
- primary visual area (VISp) **35-50**
- principal mammillary nucleus, *see* medial mammillary nucleus
- principal mammillary tract [Kölliker](pm) **33-36**
- principal nucleus hypothalamus [Cajal], *see* ventromedial nucleus
- principal nucleus of the masticator nerve, *see* motor nucleus of the trigeminal nerve
- principal nucleus of the septum [Cajal], *see* lateral septal nucleus
- principal nucleus of the tuber cinereum [Cajal], *see* ventromedial nucleus hypothalamus
- principal nucleus of the vagus nerve, *see* dorsal motor nucleus of the vagus nerve
- principal sensory nucleus of the trigeminal (PSV) **48-53**
- principal superior olive, *see* superior olivary complex, lateral part
- principal vestibular nucleus, *see* medial vestibular nucleus
- processus cerebelli ad cerebrum [Stilling], *see* superior cerebellar peduncle
- processus cerebelli ad corpus quadrigeminum, *see* superior cerebellar peduncle
- processus mammillares, *see* olfactory bulb, lateral olfactory tract
- processus natibus antipositus [Vieussens], *see* posterior commissure
- prominentiae lentiformes [Willis 1664], *see* basal nuclei

prosubiculum, *see* subiculum

proximal glossopharyngeal ganglion [Ehrenritter](GpIX)

proximal glossopharyngeovagal placode (IX/Xpp)

proximal vagal ganglion [Ehrenritter](GpX)

psalterium, *see* hippocampal commissures

pterygopalatine ganglion [Meckel the elder](GptVII)

puddental plexus (pup)

pulvinar nucleus [Burdach], *see* lateral posterior nucleus thalamus

putamen [Burdach], *see* caudoputamen

pyramidal decussation [Pourfour du Petit](pyd) **72-73**

pyramidal fissure (pyf) **64-70**

pyramidal tract [Flechsig], *see* corticospinal tract

pyramid [Willis](py) **48-71**

pyramus (VIII), sublobules a,b (PYRa,b) **62-71**

quadrilateral space, *see* diagonal band

quadrigeminal tubercles [Winslow], *see* tectum

rachidian bulb, *see* medulla

red nucleus [Burdach](RN) **38-41**

reduced silver methods **36**

regio inferior, *see* field CA1

regio superior, *see* field CA3

Reil's ribbon or band, *see* medial lemniscus

respiratory tract [Krause], *see* solitary tract

restiform body [Ridley], *see* inferior cerebellar peduncle

restiform nucleus [Clarke], *see* cuneate nucleus

reticular formation [Deiters], *see* reticular nucleus of the spinal cord, brainstem reticular formation

reticular formation, brainstem (RET)

reticular nucleus, spinal cord (RS)

reticular nucleus thalamus [Arnold](RT) **23-33**

reticular process, *see* reticular nucleus of the spinal cord

reticular process [Lenhossék the Elder], *see* reticular nucleus of the spinal cord, brainstem reticular formation

reticulocerebellar tract (rct)

reticulospinal tract (rst)

reticulospinal tract, lateral part (rstl)

reticulospinal tract, medial part (rstm)

reticulospinal tract, medullary part, *see* reticulospinal tract, lateral part

reticulospinal tract, pontine part, *see* reticulospinal tract, medial part

retina (R)

retina, ganglion cell layer (Rgcl)

retina, inner nuclear layer (Rinl)

retina, inner plexiform layer (Ripl)

retina, outer nuclear layer (Ronl)

retina, outer plexiform layer (Ropl)

retroambiguus nucleus, *see* nucleus ambiguus

retrochiasmatic area (RCH) **23-26**

retrofacial nucleus, *see* nucleus ambiguus

retrograde cell body degeneration **41**

retrohippocampal region (RHP)

retro-olivary nucleus [Cajal], *see* superior olivary complex, periolivary region

retrosplenial area (RSP) **25-48**

retrosplenial area, dorsal part (RSPd) **25-48**

retrosplenial area, ventral part (RSPv) **25-45**

retrosplenial area, ventral part, zone a (RSPv-a) **39-44**

retrosplenial area, ventral part, zone b/c (RSPv-b/c) **39-43**

rhabdoid nucleus [Paxinos-Watson], *see* superior central nucleus raphé, medial part

rhinal fissure [Turner, Retzius](rf) **5-27**

rhinal incisure (ri) **5-9**

rhinal region (RHI)

rhinocele (RC) **1-9**

rhombencephalon, *see* hindbrain

rhomboid body or nucleus, cerebellum, *see* dentate nucleus

rhomboid nucleus (brainstem) [Vieussens], *see* inferior olive

rhomboid nucleus [Cajal 1904](RH) **26-30**

rhomboid nucleus thalamus [Cajal], *see* rhomboid and central medial nuclei

right and left ventricles, *see* lateral ventricles

rima longa [Ridley], *see* third ventricle

Rolando's substance, *see* substantia gelatinosa

roof nucleus [Stilling], *see* fastigial nucleus (and sometimes interposed nucleus)

rostral linear nucleus raphé (RL) **37-42**

rostral medullary velum [Vieussens](RMVE) **48-56**

rostral peduncle of the pineal gland, *see* stria medullaris

rostral ventrolateral medulla, *see* paragigantocellular reticular nucleus, lateral part

rostrolateral visual area (VISrl) **35-37**

rubroreticular tract (rrt)

rubrospinal tract [Monakow](rust) **38-73**

sacral nucleus [Stilling 1859], *see* dorsal nucleus of the spinal cord, caudal part

sacral spinal ganglia, 1-4 (G-S1-4)

sacral sympathetic ganglia, 1-4 (Gs-S1-4)

Scarpa's ganglion, *see* vestibular ganglion

schematic diagrams **66**

Schwalbe's nucleus, *see* medial vestibular nucleus

secondary fissure (sec) **62-70**

secondary motor areas (MOs) **4-31**

semicircularis centri pars superior [Vieussens], *see* stria terminalis

semilunar ganglion (abdomen), *see* coeliac ganglion

semilunar ganglion (cranium), *see* trigeminal ganglion

semilunar nucleus brainstem [Cajal], *see* preolivary nucleus (lateral part)

semilunar nucleus thalamus [Dejerine-Dejerine-Klumpke], *see* ventral posteromedial nucleus

semilunar nucleus, posterior [Cajal], *see* ventral posteromedial nucleus

semilunar valve, *see* caudal medullary velum

sensory commissure, *see* ventral commissure of the spinal cord

sensory nucleus of the thalamus [Cajal], *see* ventral posterolateral nucleus

sensory nucleus of the trigeminal nerve, *see* principal sensory nucleus of the trigeminal nerve

sensory nucleus of the vagus and glossopharyngeal nerves, *see* nucleus of the solitary tract

sensory root of the trigeminal nerve (sV) **47-48**

septal region [Meynert](SEP) **10-27**

septofimbrial nucleus (SF) **18-27**

septohippocampal nucleus (SH) **10-21**

septohypothalamic nucleus [Bleier], *see* lateral septal nucleus, ventral part; anterodorsal preoptic nucleus

septum [Vesalius], *see* septal region

septum lucidum, pellucidum [Tarin], *see* septal region

seventh nerve, pars dura, *see* facial nerve

seventh nerve, pars mollis [Willis], *see* vestibulocochlear nerve

sexual dimorphisms, brain **18**

simple fissure (sif) **50-60**

simple lobule, sublobules a,b (SIMa,b) **49-60**

soft commissure, *see* middle thalamic commissure

solitary tract [Stilling](ts) **59-73**

somatic nervous system (SMS)

somatosensory areas (SS) **8-33**

spatial indexing **31, 61**

sphenoidal cortex, *see* temporal region (cortex)

sphenopalatine ganglion, *see* pterygopalatine ganglion

spinal cord (SP)

spinal cord, cervical level, segments 1-8 (SP-C1-8)

spinal cord, coccygeal level, segments 1-3 (SP-Co1-3)

spinal cord, lumbar level, segments 1-6 (SP-L1-6)

spinal cord, sacral level, segments 1-4 (SP-S1-4)

spinal cord, thoracic level, segments 1-13 (SP-T1-13)

spinal lemniscus, *see* spinothalamic tract

spinal marrow, medulla [Plato], *see* spinal cord

spinal nucleus of the trigeminal (SPV) **51-73**

spinal nucleus of the trigeminal oral part, rostral dorsomedial region (SPVOrdm) **51-55**

spinal nucleus of the trigeminal, caudal part (SPVC) **69-73**

spinal nucleus of the trigeminal, interpolar part (SPVI) **61-69**

spinal nucleus of the trigeminal, oral part (SPVO) **51-63**

spinal nucleus of the trigeminal, oral part, caudal dorsomedial region (SPVOcdm) **61-63**

spinal nucleus of the trigeminal, oral part, middle dorsomedial region, dorsal zone (SPVomdm)
56-60

spinal nucleus of the trigeminal, oral part, middle dorsomedial region, ventral zone
(SPVomdmv) **56-60**

spinal nucleus of the trigeminal, oral part, ventrolateral part (SPVOvl) **53-60**

spinal root of the accessory nerve, *see* accessory spinal nerve

spinal tract of the trigeminal nerve (sptV) **49-73**

spinal vestibular nucleus (SPIV) **55-65**

spino-olivary pathway (sop)

spinocerebellar tracts (sct) **71-73**

spinocervical tract (scrt)

spinohypothalamic pathway (shp)

spinoreticular pathway (srp)

spinotectal pathway (stp)

spinotelencephalic pathway (step)

spinothalamic tract [Mott et al.](stt)

spinovestibular pathway (svp)

spiral ganglion [Corti](GcVIII)

splanchnic nerves (spn)

standard drawings, use **51**

stato-acoustic nerve, *see* vestibulocochlear nerve

stellate ganglion (GSTL)

stereotaxic coordinates **23, 29 ff.**

stereotaxic surgery, skull orientation **29**

stigmoid hypothalamic nucleus [Paxinos-Watson 1986], *see* anterior hypothalamic nucleus,

dorsal part

stilus internus, *see* anterior thalamic peduncle

stratum griseum centrale, *see* periaqueductal gray

stratum reticulatum [Arnold], *see* reticular nucleus, thalamus

stria cornea [Soemmerring], *see* stria terminalis

stria habenularis, *see* stria medullaris thalamus

striae medullares (brainstem) [Piccolomini], *see* dorsal acoustic stria

stria medullaris [Wenzel-Wenzel](sm) **22-33**

stria pinealis, *see* stria medullaris

stria semicircularis, *see* stria terminalis

stria terminalis [Wenzel-Wenzel](st) **20-34**

stria thalami, *see* stria medullaris

striate area, *see* primary visual area

striatonigral pathway (snp)

striatum [Vogt-Vogt 1920](STR)

subarachnoid space **16**

subbrachial nucleus, *see* nucleus brachium inferior colliculus

subcoeruleus nucleus (SLC) **51**

subcommissural nucleus [Ziehen], *see* paraventricular nucleus hypothalamus

subcommissural organ (SCO) **34-37**

subependymal zone (SEZ) **1-24**

subfornical organ [Pines](SFO) **22-23**

subiculum [Burdach], *see* retrohippocampal region

subiculum (SUB) **32-43**

subiculum, dorsal part (SUBd) **36-40**

subiculum, dorsal part, molecular layer (SUBd-m) **36-40**

subiculum, dorsal part, pyramidal layer (SUBd-sp) **36-40**

subiculum, dorsal part, stratum radiatum (SUBd-sr) **36-40**

subiculum, ventral part (SUBv) **32-43**

subiculum, ventral part, molecular layer (SUBv-m) **32-43**
subiculum, ventral part, pyramidal layer (SUBv-sp) **32-43**
subiculum, ventral part, stratum radiatum (SUBv-sr) **32-43**
sublaterodorsal nucleus (SLD) **47-50**
sublingual nucleus, *see* nucleus of Roller
submammillothalamic nucleus, *see* supramammillary nucleus, lateral part
submandibular ganglion [Meckel the elder](GsVII)
submaxillary ganglion, *see* submandibular ganglion
submedial nucleus thalamus (SMT) **27-31**
submucosal plexus [Meissner](smp)
subparafascicular nucleus thalamus (SPF) **32-38**
subparafascicular nucleus thalamus, magnocellular part (SPFm) **32-33**
subparafascicular nucleus thalamus, parvicellular part (SPFp) **34-38**
subparaventricular zone hypothalamus (SBPV) **24-26**
subrotunda corpora alba [Vieussens], *see* anterior thalamic nuclei
substantia cinerea [Tarin], *see* dentate gyrus
substantia ferruginea [Meynert], *see* locus coeruleus
substantia ferruginea, cerebelli or superior, *see* fastigial nucleus
substantia gelatinosa centralis, *see* central gray, spinal cord
substantia gelatinosa of the medulla, *see* spinal nucleus of the trigeminal nerve
substantia gelatinosa of the trigeminal nerve [Cajal], *see* spinal nucleus of the trigeminal nerve
substantia gelatinosa spinal cord [Rolando](SGE)
substantia gliosa paracochlearis [Meessen-Olszewski], *see* granular lamina of the cochlear nuclei

substantia innominata [Reil, Reichert](SI) **10-29**

substantia nigra [Soemmerring, Vicq d'Azyr](SN) **34-41**

substantia nigra, compact part (SNc) **35-40**

substantia nigra, lateral part, *see* substantia nigra, compact part

substantia nigra, reticular part (SNr) **34-41**

substantia rhomboidea [Vieussens], *see* dentate nucleus

substantia rolandi, *see* substantia gelatinosa

substriatal gray [Crosby-Humphrey], *see* fundus of the striatum

subsylvian nucleus of the raphé [Cajal], *see* dorsal nucleus of the raphé

subthalamic fascicle (stf)

subthalamic nucleus [Luys](STN) **30-33**

subthalamic region [Cajal], *see* hypothalamus

subventricular nucleus [Cajal], *see* paraventricular nucleus hypothalamus

superior central nucleus raphé [Bechterew](CS) **43-48**

superior central nucleus raphé, lateral part (CSl) **44-48**

superior central nucleus raphé, medial part (CSm) **43-48**

superior cerebellar peduncle [Galen, Stilling](scp) **41-52**

superior cervical ganglion (GSC)

superior colliculus (SC) **36-46**

superior colliculus, deep gray layer (SCdg) **37-46**

superior colliculus, deep white layer (SCdw) **38-45**

superior colliculus, intermediate gray layer, sublayers a-c (SCig-a,b,c) **36-45**

superior colliculus, intermediate white layer (SCiw) **40-45**

superior colliculus, optic layer (SCop) **38-45**

superior colliculus, superficial gray layer (SCsg) **38-45**

superior colliculus, zonal layer (SCzo) **38-45**

superior commissure [Osborn], *see* habenular commissure

superior corpus bigeminum, *see* superior colliculus

superior fillet or lemniscus, *see* medial lemniscus

superior ganglion, *see* proximal glossopharyngeal ganglion

superior glossopharyngeal ganglion, *see* proximal glossopharyngeal ganglion

superior masticator nucleus, *see* mesencephalic nucleus of the trigeminal nerve

superior mesenteric ganglia (GSM)

superior (motor) nucleus of the trigeminal nerve, *see* mesencephalic nucleus of the trigeminal
nerve

superior nucleus of the hypothalamus [Cajal], *see* dorsomedial nucleus hypothalamus

superior nucleus of the lateral lemniscus [Cajal], *see* dorsal nucleus of the lateral lemniscus

superior olivary complex [Schroeder van der Kolk](SOC) **49-52**

superior olivary complex, lateral part (SOCl) **50-52**

superior olivary complex, medial part (SOCm) **49-52**

superior olive [Luys], *see* red nucleus

superior parolivary nucleus, *see* superior olivary complex, medial part

superior periolivary nucleus, *see* periolivary region

superior petrosal ganglion, *see* proximal glossopharyngeal ganglion

superior raphé nucleus, thalamus [Cajal], *see* paraventricular nucleus

superior salivatory nucleus (SSN) **52-57**

superior temporal center (nucleus) [Cajal], *see* medial entorhinal area

superior thalamic nucleus [Burdach], *see* anterior thalamic nuclei

superior ventricle, *see* lateral ventricle

superior vestibular nucleus [Bechterew](SUV) **51-55**

supplemental somatosensory area (SSs) **15-29**

supracallosal gyrus, *see* induseum griseum

suprachiasmatic nucleus [Cajal], *see* anterior hypothalamic nucleus

suprachiasmatic nucleus [Spiegel-Zwieg](SCH) **21-24**

suprachiasmatic nucleus, dorsomedial part (SCHd)

suprachiasmatic nucleus, ventrolateral part (SCHv)

suprachiasmatic preoptic nucleus (PSCH) **18-20**

suprageniculate nucleus (SGN) **36-39**

supragenual nucleus [Meessen-Olszewski](SG) **52-54**

supramammillary decussation (smd) **34-35**

supramammillary nucleus [Bleier et al. 1979], *see* supramammillary nucleus, lateral part

supramammillary nucleus [Cajal](SUM) **33-36**

supramammillary nucleus, lateral part (SUMl) **33-36**

supramammillary nucleus, medial part (SUMm) **35-36**

supraoptic commissures (sup) **24-30**

supraoptic commissures, anterior [Ganser](supa)

supraoptic commissures, dorsal [Meynert 1871](supd)

supraoptic commissures, ventral [Gudden](supv)

supraoptic nucleus [Lenhossék](SO) **20-26**

supraoptic nucleus, retrochiasmatic part (SO_r) **27-28**

suprapeduncular nucleus [Cajal], *see* nucleus of the brachium of the inferior colliculus

supratrigeminal nucleus (SUT) **49-52**

supratrochlear nucleus [Olszewski-Baxter], *see* dorsal nucleus raphé

sympathetic system [arch.], *see* autonomic nervous system

sympathetic trunk [Galen](S)

sympathetic column (IMLs)

sympathetic nervous system (SNS)[Langley]

synapses **38**

synonyms **70**

taenia chorioidea, *see* stria terminalis

taenia hippocampi [Vic d'Azyr], *see* fimbria (intrahippocampal)

taenia semicircularis [Vieussens], *see* stria terminalis

taenia striata [Vic d'Azyr], *see* stria terminalis

taenia tecta (TT)

taenia tecta, dorsal part, layers 1-4 (TTd1-4) **5-13**

taenia tecta, ventral part, layers 1-3 (TTv1-3) **5-9**

taenia thalami, *see* stria medullaris

taenial nucleus [Cajal], *see* bed nuclei of the stria terminalis

taeniform nucleus [Arnold], *see* claustrum

tangential nucleus [Gurdjian], *see* supraoptic nucleus

Tarin's pons, *see* posterior perforated substance

tectospinal pathway (tsp) **40-73**

tectospinal pathway, crossed [Edinger](tspc)
tectospinal pathway, direct (tspd)
tectothalamic pathway (ttp)
tectum (TC)
tegmental nucleus, *see* red nucleus
tegmental reticular nucleus, pontine gray [Bechterew](TRN) **44-51**
tegmental tract of Gudden, *see* mammillothalamic tract
tegmentum (TG)
telencephalon [His 1893](TL), *see* endbrain
temporal olfactory cortex [Cajal], *see* piriform area (caudal part)
temporal pole (TEP)[Broca 1878] **31**
temporal region (TE)
terete hypothalamic nucleus [Paxinos-Watson], *see* tuberal nucleus, lateral condensation
terminal ganglion (GTE)
terminal nerve [Fritsch, Locy](tn)
testes [Galen], *see* inferior colliculus
testudo [Vesalius], *see* fornix
thalamencephalon, *see* interbrain
thalamic commissure, *see* middle thalamic commissure
thalamic peduncles (tp) **27**
thalamus [Galen], *see* inferior horns, lateral ventricles
thalamus [Reil], *see* interbrain
thalamus (TH) **22-39**

third ventricle (V3) **19-38**

third ventricle, infundibular recess (V3ir)

third ventricle, mammillary recess (V3m) **33-35**

third ventricle, periventricular recess (V3r) **29**

third ventricle, preoptic recess [Edinger](V3p) **15-18**

thoracic nucleus, *see* dorsal nucleus

thoracic spinal ganglia, 1-13 (G-T1-13)

thoracic sympathetic ganglia, 3-13 (Gs-T3-13)

three-dimensional brain models **62 ff.**

tortoise, *see* fornix

tractus medullaris transversus natibus anti-positus [Vieussens], *see* posterior commissure

transneuronal degeneration **42**

transpeduncular tract, *see* accessory optic tract

transverse nucleus (thalamus), *see* paracentral and central lateral nuclei

transverse peduncular nucleus, *see* medial terminal nucleus of the accessory optic tract

transverse peduncular tract [Gudden 1870], *see* accessory optic tract

transversus [Willis], *see* anterior commissure

trapezium, *see* trapezoid body

trapezoid body [Treviranus](tb) **45-56**

triangular nucleus septum [Cajal](TRS) **20-21**

triangular nucleus thalamus, *see* ventral medial nucleus of the thalamus

triangular vestibular nucleus, *see* medial vestibular nucleus

trifacial nerve, *see* trigeminal nerve

trigeminal ganglion [Vieussens, Gasser](GV)

trigeminal nerve (Vn) **44-50**

trigeminal nerve, portio major, *see* trigeminal nerve, sensory root

trigeminal nerve, portio minor, *see* trigeminal nerve, motor root

trigeminocerebellar tract (tct)

trigone, *see* fornix

trigonium lemnisci [Haller], *see* lateral lemniscus

triplanchnic nervous system, *see* autonomic nervous system

trochlear nerve [Fallopian](IVn) **45-49**

trochlear nucleus (IV) **44**

tuber annulare [Gall-Spurzheim], *see* pons

tuberal area, hypothalamus (TUA)

tuberal level, hypothalamus (TUB)

tuberal magnocellular nucleus, *see* tuberomammillary nucleus, dorsal part

tuberal nucleus [Ganser], *see* ventromedial nucleus

tuberal nucleus [Malone 1910] **26-31**

tuber annulare [Vic d'Azyr], *see* pons

tuber cinereum [Soemmerring], *see* hypothalamus

tubercules pisiformes, *see* mammillary complex

tuberculum quoddam instar leneae [Vesalius], *see* fornix (body)

tuberomammillary nucleus (TM) **32-36**

tuberomammillary nucleus, dorsal part (TMd) **32**

tuberomammillary nucleus, ventral part (TMv) **33-36**

Türck's bundle [Charcot], *see* corticospinal tract, uncrossed
tween brain, *see* interbrain
ultrastructure of neurons **33, 38**
uncinate fascicle [Russell](uf) **54-55**
uvula (IX), sublobules ab,c (UVUab,c) **59-71**
uvular fissure 1 (uf1) **65-70**
vagus nerve [Rufus of Ephesus](Xn)
valvula cerebri, *see* rostral medullary velum
vascular organ of the lamina terminalis (OV) **16-17**
vascular system **17**
vault, vaulted body [Galen], *see* fornix
vault of three pillars [Vic d'Azyr], *see* fornix
vector graphics **58 ff., 62**
vegetative nervous system [Reil], *see* autonomic nervous system
velum interpositum [Haller](VIP) **23-37**
ventral anterior-lateral complex thalamus (VAL) **25-30**
ventral auditory areas (AUDv) **30-38**
ventral claustrum, *see* endopiriform nucleus
ventral cochlear nucleus (VCO) **49-57**
ventral cochlear nucleus, anterior part (VCOa) **49-54**
ventral cochlear nucleus, posterior part (VCOp) **54-57**
ventral column, *see* ventral funiculus
ventral commissural nucleus (thalamus), *see* nucleus reuniens

ventral commissure of the spinal cord (vc)

ventral hippocampal commissure (vhc) **21-26**

ventral horn spinal cord (VH) **73**

ventral medial nucleus thalamus (VM) **27-32**

ventral motor nucleus of the vagus nerve, *see* nucleus ambiguus

ventral nuclei, dorsal thalamus (VENT)

ventral nucleus of the abducens nerve [van Gehuchten], *see* accessory abducens nucleus

ventral nucleus of the glossopharyngeal nerve, *see* nucleus ambiguus

ventral nucleus of the lateral lemniscus, *see* nucleus of the lateral lemniscus

ventral pallidum [Heimer], *see* substantia innominata

ventral posterior complex thalamus (VP) **27-35**

ventral posterolateral nucleus thalamus (VPL) **27-34**

ventral posterolateral nucleus thalamus, parvicellular part (VPLpc) **32-33**

ventral posteromedial nucleus thalamus (VPM) **28-35**

ventral posteromedial nucleus thalamus, parvicellular part (VPMpc) **32-33**

ventral premammillary nucleus (PMv) **32-33**

ventral prepyramidal nucleus [Kölliker], *see* pontine gray

ventral psalterium, *see* ventral hippocampal commissure

ventral roots [Coiter](vrt)

ventral spinocerebellar tract [Gowers](sctv) **45-70**

ventral spinothalamic tract (sttv)

ventral striatum [Heimer], *see* fundus of the striatum; nucleus accumbens; olfactory tubercle

ventral tegmental area [Tsai](VTA) **34-43**

ventral tegmental decussation [Forel](vtd) **40-42**

ventral tegmental nucleus [Gudden](VTN) **46-47**

ventral tegmental nucleus [Rioch], *see* ventral tegmental area

ventral temporal association areas (TEv) **29-46**

ventral thalamus (VNT)

ventricular system [Anaxagoras](VS) **17, 24**

ventriculus communis, *see* third ventricle

ventrobasal complex [Rose-Mountcastle], *see* ventral posterior complex

ventrolateral juxtaolivary nucleus, *see* dorsal accessory olive

ventrolateral medulla, *see* paragigantocellular reticular nucleus, lateral part

ventromedial juxtaolivary nucleus, *see* postpyramidal nucleus

ventromedial nucleus hypothalamus (VMH) **26-30**

ventromedial nucleus hypothalamus, anterior part (VMHa) **26**

ventromedial nucleus hypothalamus, central part (VMHc) **27-30**

ventromedial nucleus hypothalamus, dorsomedial part (VMHdm) **27-29**

ventromedial nucleus hypothalamus, ventrolateral part (VMHvl) **27-30**

veriform epiphysis [Galen], *see* vermal regions, cerebellum

vermal regions, cerebellum (VERM)

vermis, anterior [Mundinus], *see* choroid plexus, forebrain

vermis bombycinus, *see* Ammon's horn

vesicles, embryonic brain **12**

vesicular column, *see* dorsal nucleus spinal cord

vestibular ganglion [Scarpa](GvVIII) **49**

vestibular nerve (vVIIIIn) **52-55**

vestibular nuclei (VNC) **51-64**

vestibulocerebellar tract, *see* juxtarestiform body

vestibulocochlear nerve (VIIIIn) **49-53**

vestibulospinal pathway (vsp)

visceral area (VISC) **14-28**

visual areas (VIS) **35-49**

vomeronasal nerve (von) **3**

voxel based graphics **62**

vulva [Vieussens], *see* interventricular foramen, hypothalamus

Waldeyer's nucleus of the dorsal horn, *see* marginal zone

warping **55**

Wernikinck's commissure, *see* decussation of the superior cerebellar peduncle

wheat germ agglutinin (WGA), pathway tracing **46, 48**

white commissure, *see* ventral commissure of the spinal cord

white tegmental nucleus, *see* superior cerebellar peduncle

Wrisberg's nerve, *see* intermediate nerve

xiphoid thalamic nucleus, *see* nucleus reuniens, rostral division, median part

zona incerta (ZI) **25-37**

zona incerta, dopaminergic group (ZI_{da}) **28**

zona limitans (zl) **16-19**

Zuckermandl's septal bundle, *see* diagonal band