A DIGITAL EDITION OF

THE BRAIN OF THE DOG IN SECTION

SINGER

Digitized and published by:
Robert A. Leedle, DVM, PhD, Diplomate, ACVP

Digital edition 2017

This digital edition of *The Brain of the Dog in Section* was produced from scans of an original print copy. It is an exact copy of the original text except that the plates were reduced in size to fit an 8.5 x 11 inch landscape format which means the brain sections are 75% of their original printed size. And the embedding media was erased from the transverse sections (Plates 6–54) leaving only tissue visible.

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Preface to the digital edition

It is a great pleasure to bring *The Anatomy of the Dog Brain in Section* by Marcus Singer into the 21st century. The original print edition was published in 1962, and has been out of print since then. It it is a work of extraordinary quality and remains the best atlas of the canine brain anatomy available. Print copies are scarce and they show their age. The dog brain atlas needed saving. With this digital edition researchers and anatomists will no longer need to rely on reference library copies or copies inherited from colleagues. No one will need photocopies. Now anyone who "dumpster dives" to recover a retiring colleague's copy will do so only because he/she wishes an original print edition and perhaps values the coffee stains which may adorn it.

This digital edition began in 2000 as a scan of a library copy. At the time, we were getting into neurotoxicology and needed neuroanatomy references to locate specific brain regions, nuclei, and fiber tracts. Like others, we were unable to purchase a canine neuroanatomy text so we settled for a borrowed library copy of Dr. Singer's book. Luckily, we had an over-sized scanner available as the pages of the original text are 12.25 x 14.5 inches in size. The technology at the time mandated saving each page as an individual *tif* file. One file per page was acceptable for the anatomic plates, but not for the index and the text at the beginning of the book. So I re-typed them. My digital edition remained in a "disassembled" one page-one file state until 2012 when I undertook re-assembly of the original book. Using Adobe® Photoshop®, I cleaned-up the plates and re-sized the pages to an 8.5 by 11 inch landscape format. I kept the brain sections at 75% of their original dimensions by decreasing the white space on each page. By mid-2013 I had assembled the pages into an electronic duplicate of the original text. Then the project was put on hold. This year I returned to complete the project and make the digital copy widely available.

Additionally, the *Photographic and Labeling Techniques* section on page 14 contains magnification values accurate for the digital edition rather than for the original print edition. The copyright information on page 2 is updated. And a biography of the author, Marcus J. Singer, is included.

Robert A. Leedle, DVM, PhD, Diplomate, ACVP
Delafield, Wisconsin, USA
26 June 2017

Marcus Joseph Singer (1914–1994)

Marcus Singer's research and teaching interests included neuroanatomy, regenerative biology, and the role of the nervous system in tissue regeneration. He authored about 200 scholarly publications including several books. Among his books are two neuroanatomy texts: *The Human Brain in Sagittal Section*, co-authored with P.I. Yakovlev (1954), and *The Brain of the Dog in Section* (1962). He was an editor of the Journal of Morphology (1965-1972) and the Journal of Experimental Zoology (1970-1971). He held offices in the American Society of Zoologists, Society for the Study of Development and Growth (Society for Developmental Biology), the American Association of Anatomists, the local chapter of the Society for Neuroscience, and the New York Academy of Science. Additionally, he served on NIH study sections, NSF panels, and the editorial boards of several journals.

Dr. Singer was the sixth of eleven children born to immigrant parents in Pittsburgh, PA. He earned a BS (1938), *summa cum laude*, from the University of Pittsburgh, and spent the summer following the BS at the Marine Biology Laboratory at Woods Hole. At Harvard University he earned an MA (1940) and a PhD (1942) in Zoology under the direction of Leigh Hoadley examining the role of the nervous system in limb regeneration. Between 1942 and 1951 Dr. Singer held instructor of anatomy positions, including an assistant professorship, at the Harvard Medical School. Because his research was considered important, he was asked to remain out of uniform during World War II. In 1951 he became an associate professor in the Department of Zoology and the Department of Child Development and Family Relations at Cornell University. He was promoted to professor in 1953.

During the McCarthy hearings in 1953, he was questioned by the House Unamerican Activities Committee regarding his interest in the humanitarian aspects of communism during his Harvard days. Because he refused to divulge the names of others he was convicted of contempt of Congress (1956). A year later the conviction was set aside by the US Court of Appeals and a judgment of not guilty was entered by the Federal District Court. During this time Dr. Singer remained on the faculty at Cornell and continued his research but he had no teaching responsibilities.

In 1961 Dr. Singer joined the faculty at Case Western Reserve University where he was the Henry Wilson Professor of Anatomy and chairman of the Department of Anatomy. With Howard Schneiderman, Dr. Singer established the Developmental Biology Center, one of the first such centers in the country. In 1979 he suffered a stroke. Several months later he gave up his administrative responsibilities but continued teaching anatomy until 1985.

Dr. Singer is remembered by those who knew him as an enthusiastic and gifted teacher who, while versed in nearly every sub-discipline of anatomy and embryology, was a master of neuroanatomy. To his graduate students and post docs he is remembered as supportive while encouraging independence.

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1 In Memoriam. A Remembrance of Marcus Singer. *Developmental Biology* 169, v–vi (1995).

2 Obituaries of the Members of the Ohio Academy of Science. Report of the Necrology Committee, 2001. (https://kb.osu.edu/dspace/bitstream/handle/1811/23903/v101n5_102.pdf?sequence=1)

THE BRAIN OF THE DOG IN SECTION

MARCUS SINGER
Professor of Anatomy,
School of Medicine,
Western Reserve University,
Cleveland, Ohio

To my mother
and to the memory of
my father
this book is dedicated

(Dedication by Marcus Singer in the original text.)

Contents

Introduction

The Reason

The illustration is as important in neuroanatomical works as the text itself. Words often do not convey a true picture of the complexity of neuroanatomical structure, and it is the image in its three dimensions that is required to understand the flow of the tracts and the contours and relations of the nuclei. Texts of neuroanatomy fulfill this need by means of drawings and photographs, particularly of serial cross sections through the cord and brain stem and, in some instances, of selected sections through the horizontal and sagittal planes. The illustration reduces the need for endless description and one can imagine profusely illustrated neuroanatomical publications with greatly reduced descriptions—but never the reverse.

Yet, considering the volume of neurological publications and the need and interest of the scholar and student, few detailed atlases of the vertebrate central nervous system have been published. In recent years some regional atlases of the central nervous system, for example, the thalamus and cerebellum, have been published; and stereotaxic atlases have been prepared to guide the experimenter and surgeon in neuronographic and other procedures. These works satisfy only in part the need for scholarly, informative atlases of the brain. At the moment there is no detailed atlas of serial sections of the entire vertebrate brain in print. There are a few works, now out of print, but (except for the monumental work of Riley on the human brain stem and spinal cord) they are limited in scope or are devoted mainly to one plane of section, for example, the atlases by Winkler and Potter on the cat brain, by Potter on the rabbit, by Marburg and Flatau and by Singer and Yakovlev on the human.

The apparent reason for the scarcity of such works is the difficulty in obtaining adequate sections for reproduction. The hazards of fixing, sectioning, and staining are great, especially in the case of large brains that require months of preparation before slides are completed. Another reason is the problem of producing suitable reproductions of the sections. Photographs of sections through the brain are generally unsatisfactory, because thick sections that lend themselves readily to the tracing of tracts and the study of nuclei under the low power microscope are at the same time not suitable for good photography with its two-dimensional representation. Consequently, drawings and tracings instead of photographs are often used in neuroanatomical works. But the artistic work is painstaking and time-consuming, since every tract must be stroked in and the nuclei highlighted. For this reason, the number of sections so depicted are often few. The plates are often attractive and accurate as, for example, those of Marburg and Dejerine. Yet, the sections tend to be idealized in the drawing and often reflect the interpretation of the author rather than what actually appears in the section. Moreover, according to the author's choice,

structures from adjacent sections frequently are telescoped into one drawing. As Riley noted, the drawing "… can be made to illustrate anything that the author wishes to emphasize and everything can be omitted that does not fit into the purpose of the illustration."

Another reason for the paucity of atlases is the great expense of production, involving detailed and lengthy research on structure and terminology, the work of technical assistants, and the cost of reproducing the illustrations.

The present study is meant to provide an atlas for scholars and students of the brain. It concerns the brain of the dog. During the preparation of this manuscript, two pertinent works appeared. One volume by Lim, Liu, and Moflitt, "A Stereotaxic Atlas of the Dog's Brain," was designed to "… guide the experimenter for the localization of major structures in the brain in physiological or pharmacological experiments in the dog." Except for some gross sections of the whole head in the sagittal and horizontal planes, the plates were confined to serial transverse sections of the brain stem, labeled for the more important tracts and nuclei. A second book, published in 1959 in the Soviet Union by Adrianov and Mering from the Brain Institute of the Academy of Medical Sciences, is entitled "Atlas of the Brain of the Dog." It is a scholarly work, which depicts the cytoarchitectonics of the brain, including all the areas of the cortex. The plane of the sections is almost exclusively transverse, and cresyl violet stain is employed to reveal the cell bodies.

The present work complements that of Adrianov and Mering, for the fiber tracts, instead of the nuclear centers, are stained. Moreover, it is oriented to the details of the anatomical structure of the whole brain, including the cerebrum, in three planes of sections—horizontal, sagittal, and transverse—instead of the traditional transverse plane. This book is meant to provide the student and the scholar with a three-dimensional picture of the details of neuroanatomical structure. Each plane of section is instructive, and structures seen with difficulty in one plane are illuminated in another.

Singer and Yakovlev have already commented upon the advantages of sagittal sections. The addition of the horizontal series provides views that the experimenter and student of the brain seldom see. This series reveals at a glance the full sweep of the ventricles, the thalamus, the lentiform nucleus, and the subthalamus. In many ways it combines the advantages of the sagittal and transverse sections, particularly in study of the forebrain and diencephalon. Here the cephalocaudal and mediolateral dispositions of nuclei and tracts are observed at a glance. The transverse flow of the corpus callosum; the changing direction of the geniculocalcarine tract, first laterally and then posteriorly, in relation to the descending and inferior horn of the lateral ventricle; the diverging legs and pillars and the fore-and-aft course of the body of the fornix; the uninterrupted sweep of the anterior commissure and the richness of the pyriform area; the rostral caudal relations of the septal nuclei and anterior perforated substance; the subthalamic, prerubral, and tegmental continuum; the details of the mediolateral disposition of the caudate and thalamus and of the lenticular nuclei and claustrum; the curvature of the internal capsule and the direction of anterior and posterior limbs as they relate to the aforementioned nuclei—all these bind together the significant relations of major nuclei and tracts seen in the transverse and sagittal sections. In addition, the symmetry of the two sides of the brain and the pattern of the nuclei and tracts make the horizontal sections the most beautiful of the three planes of section.

Although the present work concerns the dog, it could serve as well as a guide to the structure of other mammalian brains, which are the subject of comparative studies. Yet, in comparing sections of these various brains, one is struck by the remarkable likeness, particularly of the pattern and arrangement of fiber tracts and nuclei in the brain stem. Indeed, it is fair to state that the similarities are more striking than the differences, and the student of the human brain, for example, will identify readily most of the structures of the brain stem in the sections of the dog brain. For this reason this book on the dog brain could serve as well as a guide to the understanding and study of the cat brain and the brains of other mammals, including those of the primates. Moreover, the terminology is similar, although there are some important differences in the names of certain nuclei and tracts and particularly of the gyri and sulci of the cerebral cortex.

The relative sizes of the nuclei, tracts, and other parts differ, but in general all these structures are present and can be related directly to structures in the brains of other mammals.

The Brains

The sections reproduced in this book were obtained from the brains of three disease-free beagle dogs of the same litter, aged five months, raised at the Virus Research Laboratories of Cornell University.

Each brain was sectioned in one of the three planes: horizontal, sagittal, and transverse. The dogs were anesthetized by intraperitoneal injection of Nembutal solution and then were perfused through the heart with a physiological saline solution followed by a solution of 10 per cent formalin. The brains then were removed, immersed in a solution of the same strength of formalin for a few weeks, dehydrated in graded alcohols, and slowly infiltrated with celloidin. The embedded brains were cut at 35 microns and the sections numbered consecutively. Selected sections were stained by the iron-hematoxylin method of Loyez for myelin sheaths after mordanting in alum of iron (Bertrand). Adjacent sections, which alternated with those stained for fibers, were stained for nerve cell bodies according to the cresyl violet method of Bielschowsky-Plien (Bertrand). Loyez sections are more useful for studying overall detail than sections stained by the Nissl method, and the present atlas is confined to sections stained for fibers. Indeed, nuclei, for example, of the thalamus often can be distinguished more clearly in such sections. However, constant reference has been made to sections of the cresyl violet series in locating nuclear groupings in Loyez sections.

A fourth dog brain obtained later was used for the surface drawings of the whole brain, including dorsal, ventral, lateral, and midsagittal views; the latter view is reproduced twice in order to include all the necessary labels. The magnification of the drawings is approximately three times the size of the formalin-fixed brain.[1]

The drawings of the brain that introduce each plane of section are enlarged approximately 1.3 times the size of the fixed brain.[2] During dehydration and embedding, the brains shrank to about three-fourths to two-thirds of the size of the fixed brain. The sections were numbered consecutively: the sagittal sections, from left to right; the horizontal sections, from ventral to dorsal; and the transverse sections, from rostral to caudal. The orientation of the sections corresponded closely to the desired plane. However, the sagittal sections were tilted about 1 mm from the true plane so that the midline section lies approximately in section number 575 (plate 59) for the medulla but in about section 605 for the rostral part of the brain stem. The transverse plane corresponded to a cut from the posterior commissure to the caudal extremity of the mamillary bodies (see transverse section 826, plate 35). Since the brain stem of the dog, unlike that of the human, is flexed only slightly at the mesencephalon, reorientation of the embedded specimen was not required, and the sections of the upper and lower brain stem deviated only slightly in direction from one another. The bilateral orientation of the transverse sections diverged only a little from the true orientation, the left being slightly more rostral than the right. In the case of the horizontal sections, a plane was chosen cutting through the anterior commissure rostrally and the decussation of the trochlear nerve caudally (see section 383, plate 114,

1 The drawings in the electronic edition are slightly more than two times the size of the fixed brain.

2 The electronic edition drawings are approximately the size of the fixed brain.

Commissura anterior and Decussatio nervorum trochlearium). The bilateral orientation of the horizontal plane was tilted slightly so that the left side was cut a little more deeply than the right (for example, see section 456, plate 110, Nucleus corporis geniculati).

The Selection of Sections

Sections spaced at suitable intervals were selected for full reproduction in the atlas. The selection included 49 transverse sections, 27 sagittal sections, and 28 horizontal ones. In addition, 15 of the most medially placed sagittal sections were further enlarged and the enlargements are reproduced in the book. Consequently, the atlas consists of 119 plates of sections and 5 drawings of surface topography.

In the sagittal series, successive sections are separated in most cases by an interval of 10 (approximately 350 microns) except in certain regions. The most medial section is numbered 595 (plate 55) and the most lateral, 265 (plate 96). The spacing permitted visualization of all major structures. In the exceptions, the interval of separation between successive sections was reduced or increased. In the former instance, the interval from 475 (plate 83) to 485 (plate 77) also included sections 478 (plate 81) and 482 (plate 79) in order to show rapidly changing detail and to label the great profusion of structure that could not be accommodated in fewer sections. In the latter case, the most lateral sections, which showed little change in the 10 sections lateral to section 435 (plate 88), generally were spaced at intervals of 30 and 20 sections. In the enlargements of the 15 most medial sections, the brain stem was magnified further and cortical structures were largely omitted, a procedure adopted previously in the atlas of sagittal sections of the human brain (Singer and Yakovlev). The enlarged photographs of the brain stem served to clarify some of the detail and to multiply the space for labeling. Such special enlargements were employed for slides 595 (plate 55) to 475 (plate 83), inclusive. In the book, the enlargement is placed on the right-hand page opposite the full section on the left. Enlargements of the horizontal and transverse sections were not made, since such bilateral reproductions provided duplication of structures and more opportunities for labeling.

The horizontal sections were also arranged in intervals of every tenth section, except in the most dorsal and ventral regions where the spacing was increased. In some instances, for one reason or another, the section was inadequate for reproduction, and therefore an adjacent one was substituted, thus introducing a disparity in the number sequence.

In the case of the transverse sections, the spacing between successive sections is in most instances about 20. In a few instances, the interval was less and at the rostral or caudal extremes was as great as 40 or 50.

The serial number of the section is recorded at the top right of each plate except for the duplicated, enlarged sagittal ones, whose numbers correspond to those on the opposite pages of the opened book. Consequently, the distance of each section from any other of the same plane can be calculated by the reader, since each section is about 35 microns in thickness. For example, in the sagittal series, the interval between section 465 (plate 85) and the midline section 595 (plate 55) is 130 times 35 microns or approximately 4.5 mm. The dimensions of the brain and its parts, corrected for linear magnification, can be measured directly on the plates of one or the other series. But it must be remembered that the brains were shrunken by the histological procedures.

Photographic and Labeling Techniques

The sections were photographed with an 8.5-inch, commercial Ektar lens with the exposure aperture set at f22. The slides were placed on opal glass below which the light source was located. The film was exposed for 1/2500 second. In the original print edition, the figures then were greatly enlarged and printed on large photographic sheets (about 24 x 31 cm). For the digital edition the plates were copied on a flatbed scanner from a library copy of the original. Image background was erased in Adobe® Photoshop® and in the transverse sections, the mounting media surrounding the tissue also was erased. The plates were then reduced in size to fit an 8.5 x 11 inch landscape format. The approximate magnification of the sections in the digital edition of the atlas are 75% of original print size. The sizes in the digital edition are as follows:

Full sagittal,	3.7 times
Sagittal brain stem,	6.2 times
Horizontal,	3.7 times
Transverse	
Sections 1406 to 1326 (plates 6 to 9) inclusive,	10.3 times
Sections 1305 to 1226 (plates 10 to 14) inclusive,	9.9 times
Sections 1206 to Sections 1145 (plates 15 to 18) inclusive,	6.4 times
Sections 1126 to 286 (plates 19 to 54) inclusive,	5.6 times

All labeling was done on a transparent paper overlay and then transferred in final form to a cellulose acetate overlay. The structures were labeled directly with lead lines, and the terms were abbreviated in a standard and simple way. The method of direct labeling was used in preference to symbols in order to preserve the beauty of the sections and to facilitate the identification of structures by the reader. Because of the wealth of structure to be identified, this method precluded complete labeling of each section. Consequently, most structures are not identified on every plate in which they occur but instead are labeled on alternate or occasional plates. Labeled structures are recorded in the index in **boldface** type; unlabeled structures are denoted in ordinary roman type. The reader therefore may locate the structure on all the plates in which it is present by consulting the index and the adjacent labeled plates.

When a structure was labeled on a number of plates in one of the planes of section, the label generally was placed in a similar position on each plate for the convenience of the reader.

Finally, it should be noted again that the sagittal sections were taken from the left side. However, in most medial sections the caudal part of the brain stem included part of the right side because of the orientation of the block during sectioning. Whenever right-sided structures are shown, (R) is affixed to the term.

Terminology

As in the volume on the human brain by Singer and Yakovlev, Latin terminology was preferred since it has the advantage of international usage. The Nomina Anatomica (NAP), agreed upon by participants at the International Congress in Paris, 1955, was consulted freely in the selection of terms. The recommended NAP nomenclature deviates in some notable instances from the Basle Anatomical Nomenclature (BNA) and the Jena Anatomical Nomenclature (INA) used previously. In addition, more structures not listed in the previous international nomenclatures, including particularly some microscopic ones, are now available in the NAP terminology. Yet many of the deep structures remain unlisted, even in the newer terminology. In these cases the most useful term, in the author's judgment, was selected from the literature. In a few instances, the older BNA or INA terminology or some other term was preferred to that of NAP. For example, Nervus cochlearis and Nervus vestibularis were used instead of Pars cochlearis nervi octavi and Pars statoacustici nervi octavi; Nucleus vestibularis descendens instead of Nucleus vestibularis inferior; Tractus spinocerebellaris ventralis and dorsalis instead of Tractus spinocerebellaris anterior and posterior; and so forth.

Index

In the index are included useful synonyms of each term that have been collected from various original works, popular usage, and atlases, particularly that of Riley. The synonyms are listed under the preferred term in italic type, but are indexed in ordinary roman type in contrast to the bold type of the selected term. This arrangement permits the reader to translate from one of the many terms into the one employed in this atlas. The synonyms are useful in that they often reflect different interpretations of the same structure. Sometimes the selected synonym was used in the literature to designate two or more structures; in such instances the cross references indicate more than one structure. And then the synonym may encompass adjacent structures and for this reason is indexed to refer to more than one term, e.g., Nucleus lentiformis for Putamen, Globus pallidus, and Nucleus entopeduncularis. Popular English equivalents also are included among the synonyms.

Acknowledgements

The brains were obtained in the Anatomy Department of the School of Veterinary Medicine at Cornell University, Ithaca, New York, through the kindness of Professor Howard Evans and the late Professor of Anatomy, Dr. Malcolm Miller. The specimens were removed carefully and embedded in celloidin and then were sectioned in the laboratory of Professor Paul I. Yakovlev of Harvard Medical School by Dr. Arnold Weinberg, then studying at Harvard Medical School. The sections were stained by my technicians, Mrs. Barbara Harrington Lynch and Mrs. Jacqueline Cantor Seeman. The photography was done by Mr. Sol Goldberg and the drawings of the whole brain by Mr. Raphael Poritsky. In transcribing the labels to the overlays I have had the assistance of several artists over a number of years, including Mrs. Eugenia Cunningham, Miss Angela Labs, Mrs. Paula Bensadoun, and Mrs. Nancy Johnson.

Most of the work on the atlas was done at Cornell University, and I am grateful to the University for the facilities and support available to me. I wish to thank Mr. Victor Reynolds of the Cornell University Press and his associate, Mr. John Warner, for their invaluable advice in exploring the problems of publication. I wish to express my debt to Dr. Malcolm Miller and Dr. Howard Evans for their interest and care in selecting the dogs and removing and preserving the brains. I remember with gratitude the devotion of Dr. Theodore Voneida in the embedding of the brains and of Dr. Weinberg in the sectioning, the care of Mrs. Lynch and Mrs. Seeman in the staining and mounting of the sections, the persistence of my artists in lettering the overlays, and the dedication of my secretary, Miss Carola Boehm. I wish to thank my colleague, Professor Yakovlev, for the use of his laboratory and for the encouragement, scholarly interest, and the many pleasant hours I have spent in his laboratory. I must comment on the brilliance of the photography by Mr. Goldberg upon whose originality and patience the reproduction of the fine detail and beauty of the sections depended. Finally, I am ever grateful to the Public Health Service, National Institute of Neurological Diseases and Blindness, without whose financial assistance this book may not have been completed and published.

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III. Certain myelinated-fiber connections of the diencephalon of the dog (Canis familiaris), cat (Felis domestica), and aerisa (Crossarchus obscurus). J. Comp. Neurol., *53*:319–388.

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Surface Views of the Dog Brain

Conspectus dorsalis

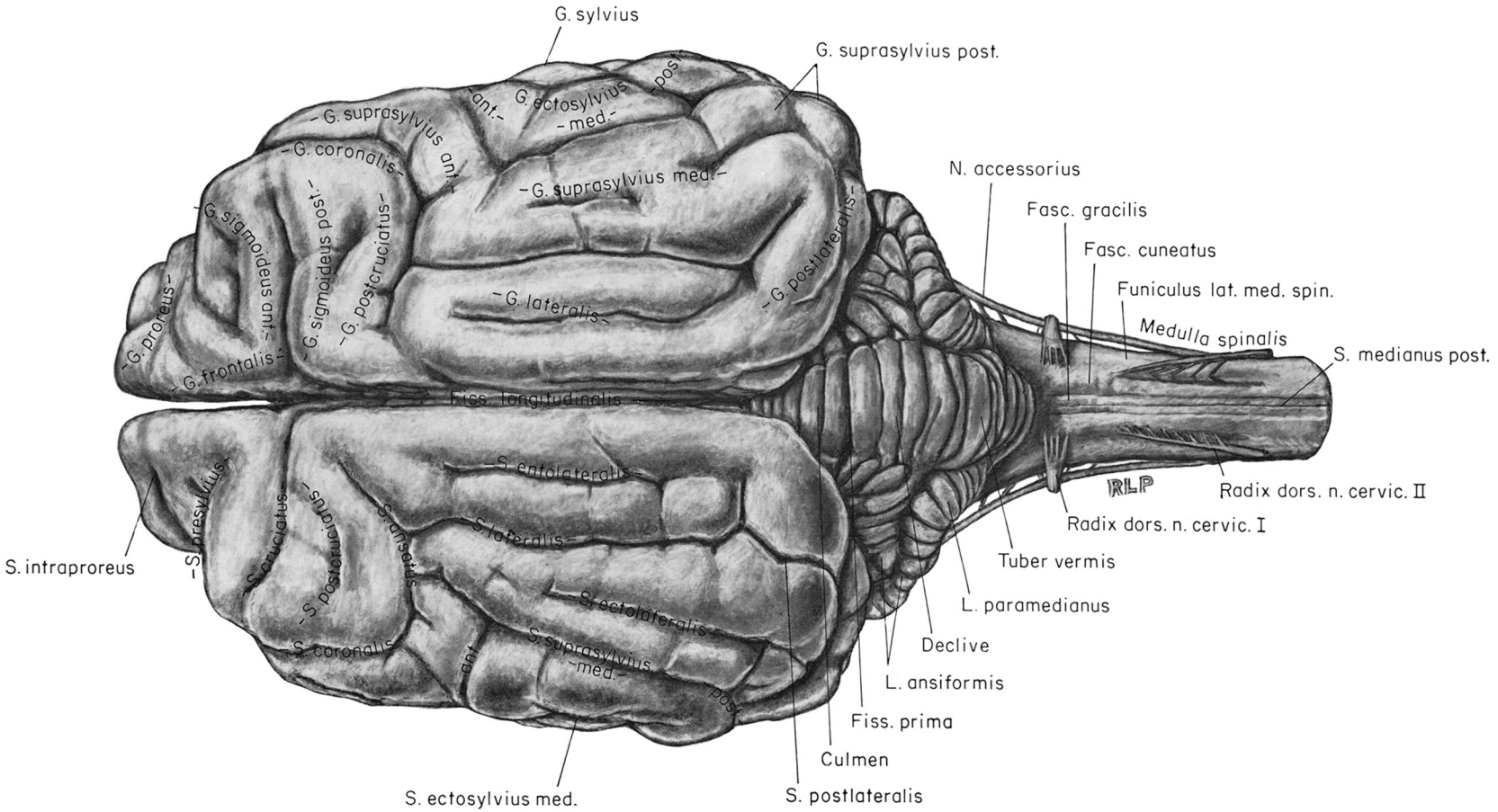


Plate 1

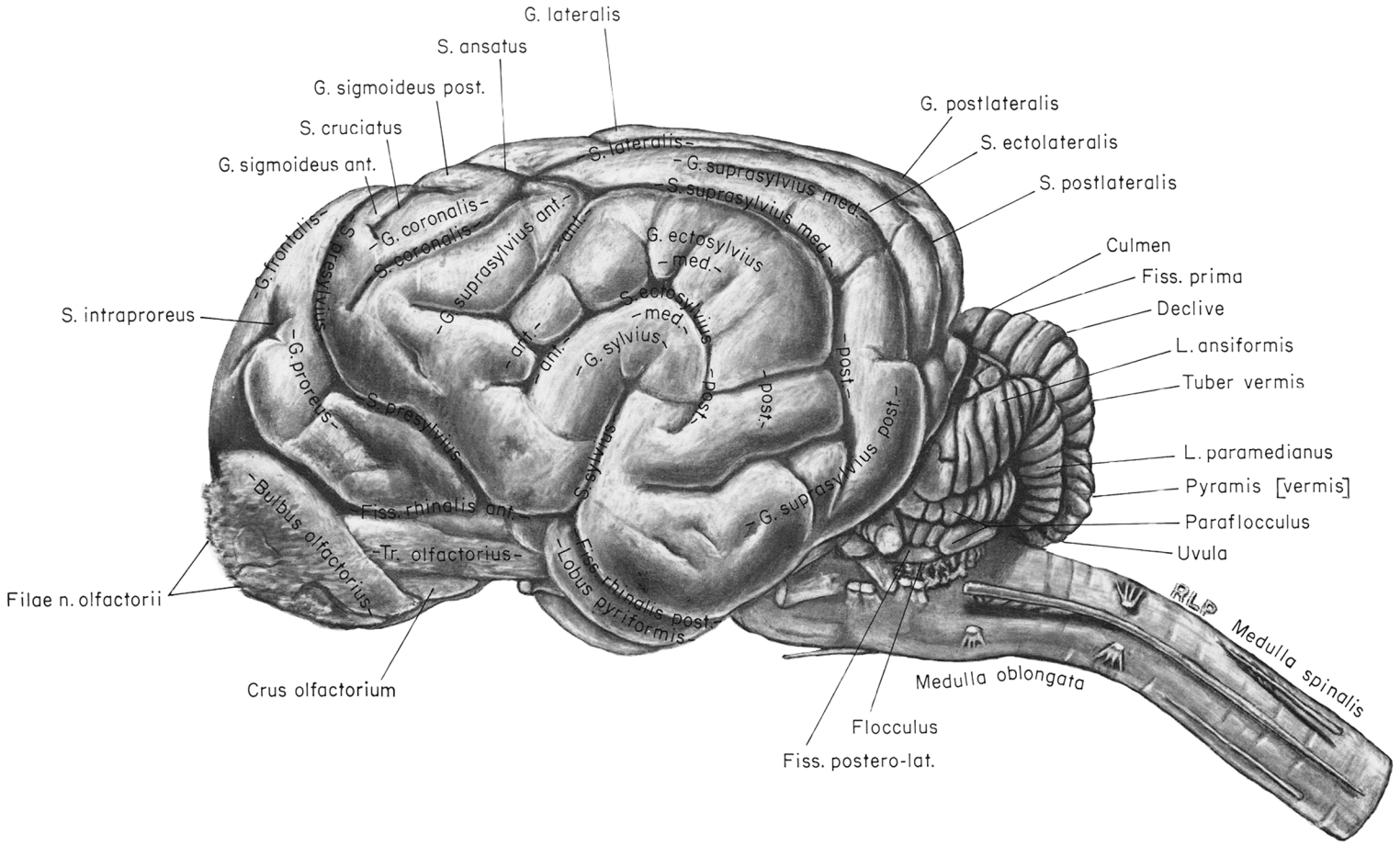

G. lateralis
S. ansatus
G. sigmoideus post.
S. cruciatus
G. sigmoideus ant.
G. postlateralis
S. ectolateralis
S. postlateralis
S. lateralis
G. suprasylvius med.
S. suprasylvius med.
G. coronalis
S. coronalis
G. suprasylvius ant.
G. ectosylvius med.
S. ectosylvius med.
G. sylvius
S. intraproreus
G. proreus
S. presylvius
Culmen
Fiss. prima
Declive
L. ansiformis
Tuber vermis
L. paramedianus
Pyramis [vermis]
Paraflocculus
Uvula
Bulbus olfactorius
Fiss. rhinalis ant.
Tr. olfactorius
Lobus pyriformis
Fiss. rhinalis post.
G. suprasylvius post.
Filae n. olfactorii
Crus olfactorium
Medulla oblongata
Flocculus
Fiss. postero-lat.
RLP
Medulla spinalis

Plate 2

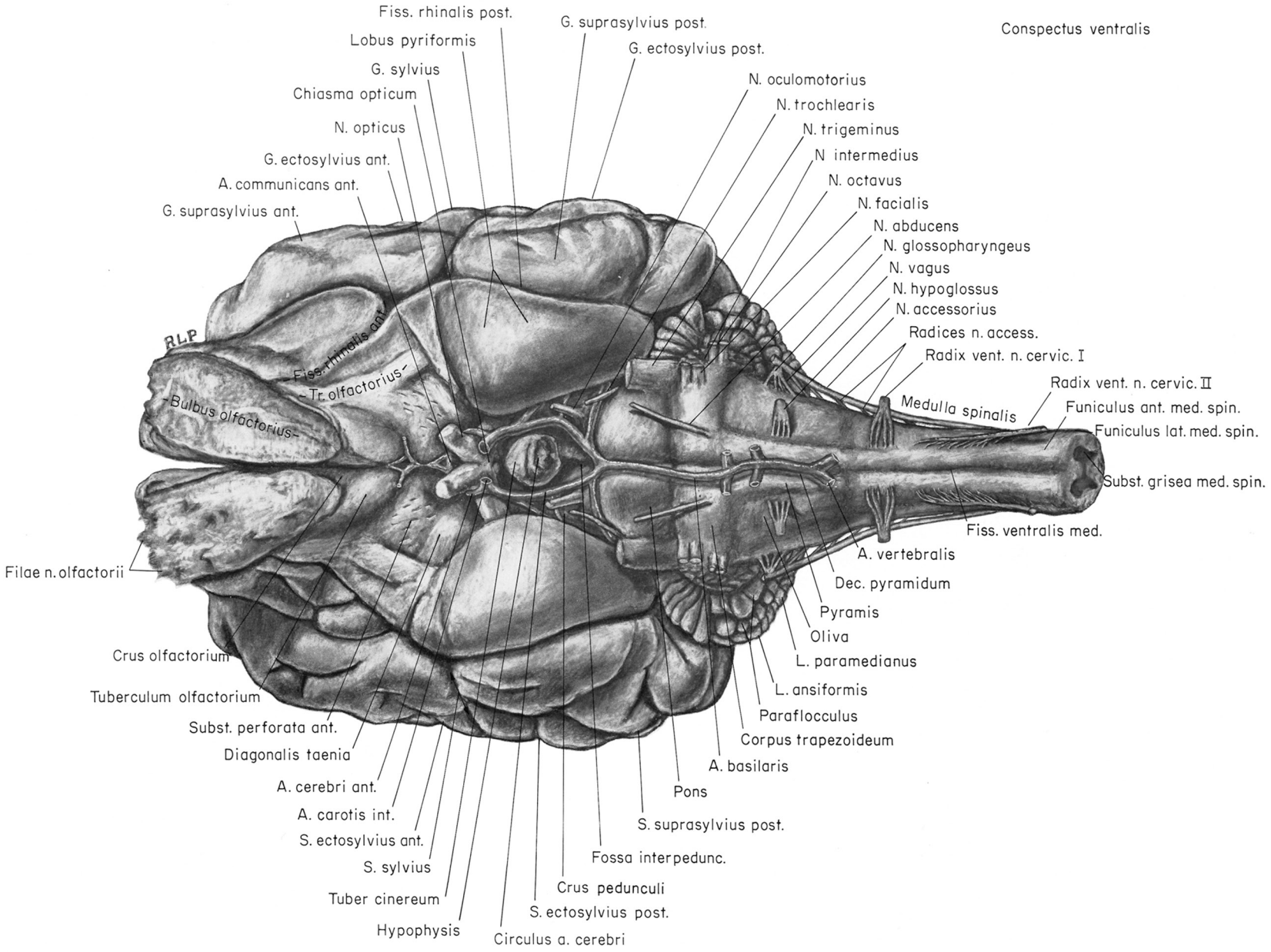

Conspectus ventralis
Fiss. rhinalis post.
Lobus pyriformis
G. sylvius
Chiasma opticum
N. opticus
G. ectosylvius ant.
A. communicans ant.
G. suprasylvius ant.
G. suprasylvius post.
G. ectosylvius post.
N. oculomotorius
N. trochlearis
N. trigeminus
N intermedius
N. octavus
N. facialis
N. abducens
N. glossopharyngeus
N. vagus
N. hypoglossus
N. accessorius
Radices n. access.
Radix vent. n. cervic. I
Radix vent. n. cervic. II
Funiculus ant. med. spin.
Funiculus lat. med. spin.
Subst. grisea med. spin.
Fiss. ventralis med.
A. vertebralis
Dec. pyramidum
Pyramis
Oliva
L. paramedianus
L. ansiformis
Paraflocculus
Corpus trapezoideum
A. basilaris
Pons
S. suprasylvius post.
Fossa interpedunc.
Crus pedunculi
S. ectosylvius post.
Circulus a. cerebri
Hypophysis
Tuber cinereum
S. sylvius
S. ectosylvius ant.
A. carotis int.
A. cerebri ant.
Diagonalis taenia
Subst. perforata ant.
Tuberculum olfactorium
Crus olfactorium
Filae n. olfactorii
Bulbus olfactorius
Tr. olfactorius
Fiss. rhinalis ant.
RLP
Medulla spinalis

Plate 3

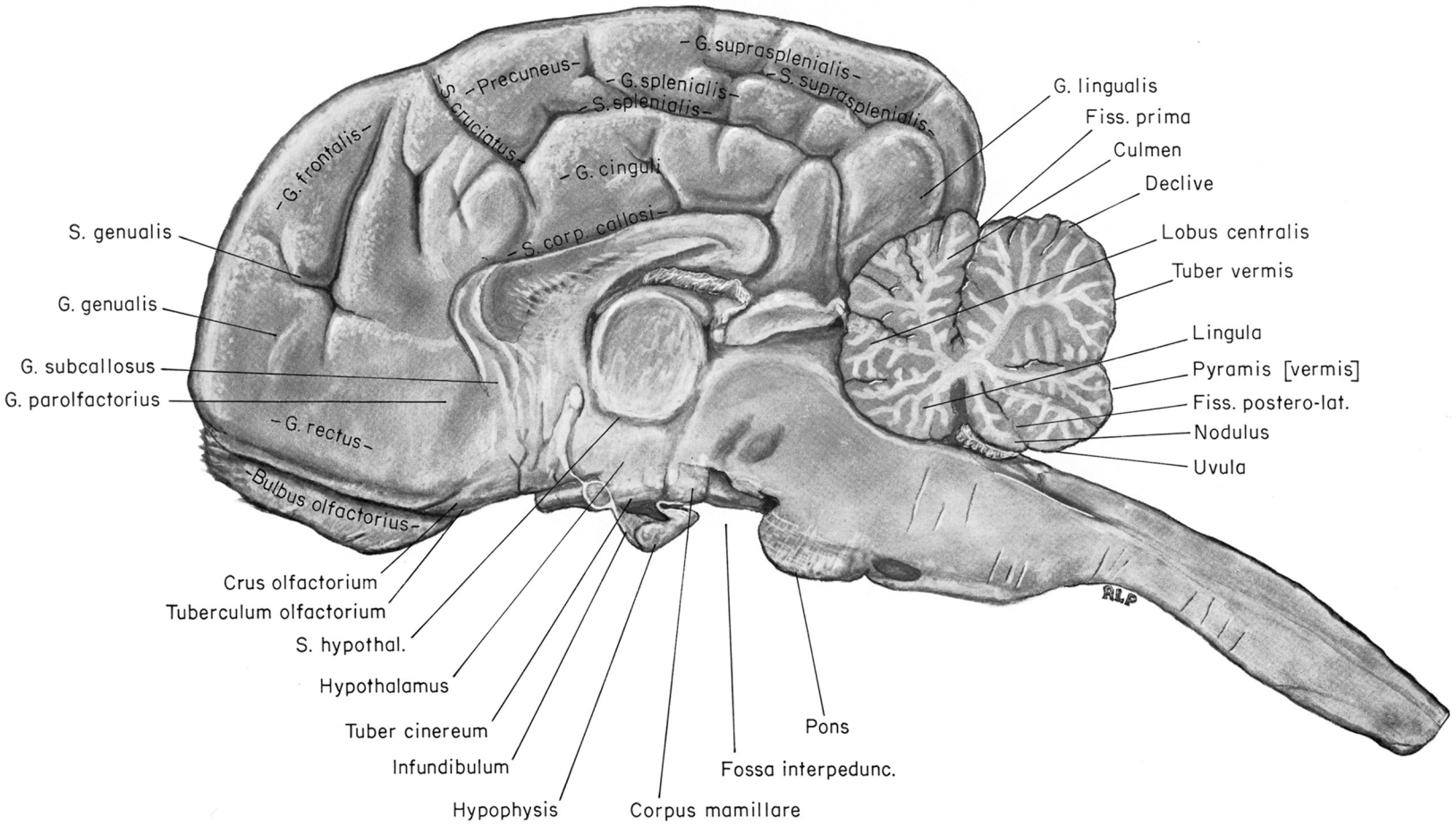

G. supraspleniālis
S. supraspleniālis
S. Precuneus
S. cruciatus
G. splenialis
S. splenialis
G. frontalis
G. cinguli
S. corp. callosi
S. genualis
G. genualis
G. subcallosus
G. parolfactorius
G. rectus
Bulbus olfactorius
Crus olfactorium
Tuberculum olfactorium
S. hypothal.
Hypothalamus
Tuber cinereum
Infundibulum
Hypophysis
Corpus mamillare
Fossa interpedunc.
Pons
G. lingualis
Fiss. prima
Culmen
Declive
Lobus centralis
Tuber vermis
Lingula
Pyramis [vermis]
Fiss. postero-lat.
Nodulus
Uvula
RLP

Plate 4

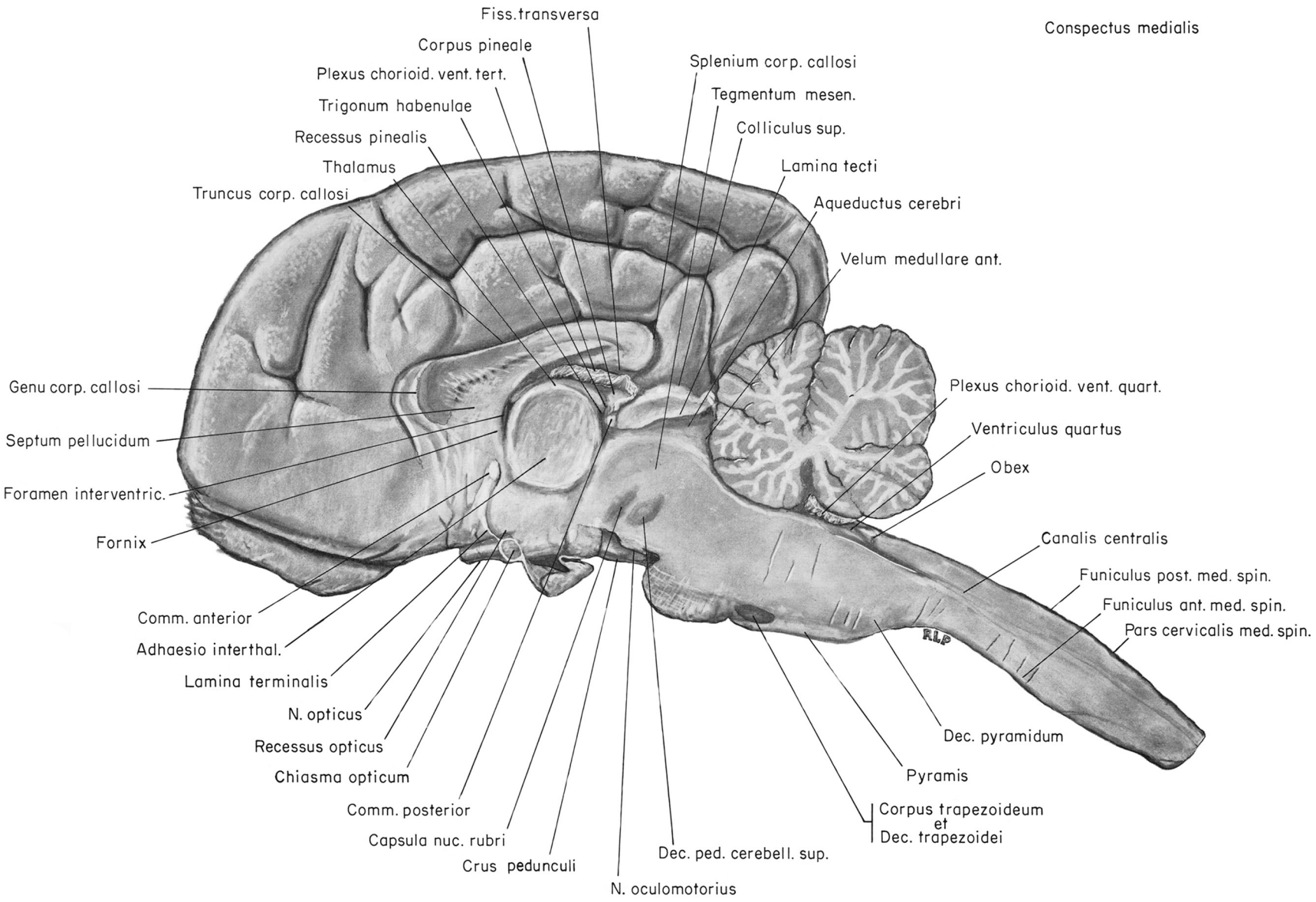
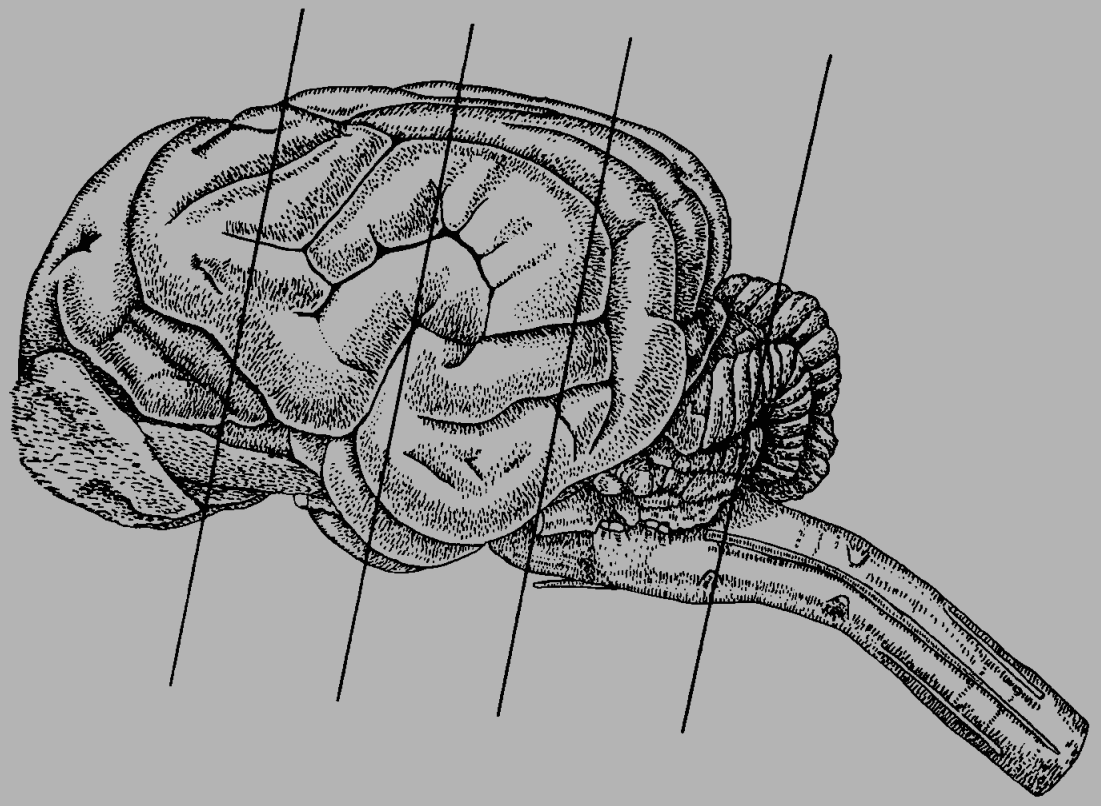

Conspectus medialis
Fiss. transversa
Corpus pineale
Plexus chorioid. vent. tert.
Trigonum habenulae
Recessus pinealis
Thalamus
Truncus corp. callosi
Splenium corp. callosi
Tegmentum mesen.
Colliculus sup.
Lamina tecti
Aqueductus cerebri
Velum medullare ant.
Genu corp. callosi
Septum pellucidum
Foramen interventric.
Fornix
Plexus chorioid. vent. quart.
Ventriculus quartus
Obex
Canalis centralis
Funiculus post. med. spin.
Funiculus ant. med. spin.
Pars cervicalis med. spin.
RLP
Comm. anterior
Adhaesio interthal.
Lamina terminalis
N. opticus
Recessus opticus
Chiasma opticum
Comm. posterior
Capsula nuc. rubri
Crus pedunculi
N. oculomotorius
Dec. ped. cerebell. sup.
Dec. pyramidum
Pyramis
Corpus trapezoideum et Dec. trapezoidei

Plate 5

Transverse Sections



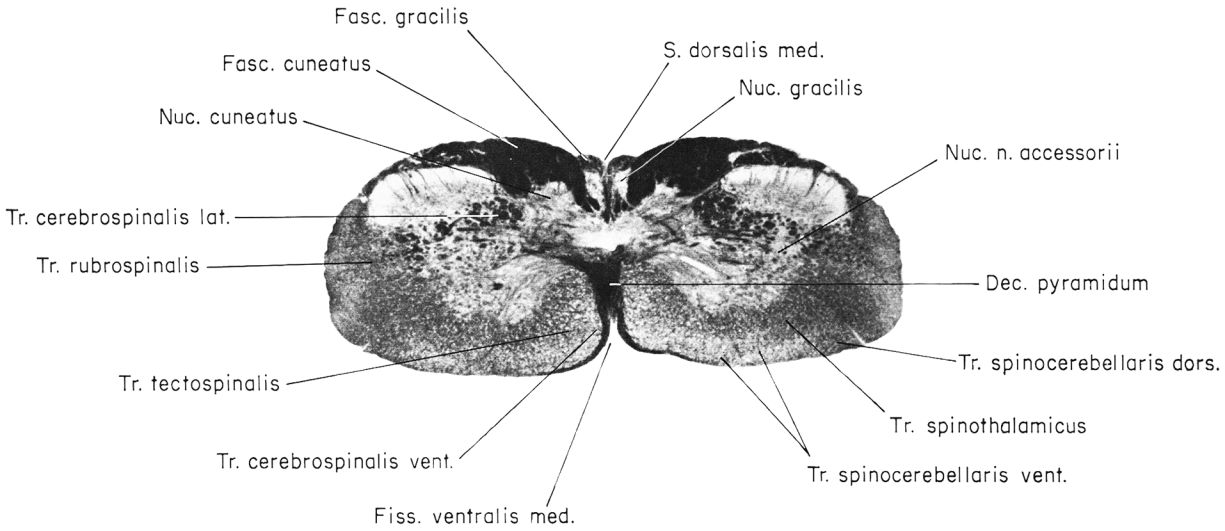

Fasc. gracilis
Fasc. cuneatus
Nuc. cuneatus
Tr. cerebrospinalis lat.
Tr. rubrospinalis
Tr. tectospinalis
Tr. cerebrospinalis vent.
Fiss. ventralis med.
S. dorsalis med.
Nuc. gracilis
Nuc. n. accessorii
Dec. pyramidum
Tr. spinocerebellaris dors.
Tr. spinothalamicus
Tr. spinocerebellaris vent.

Plate 6

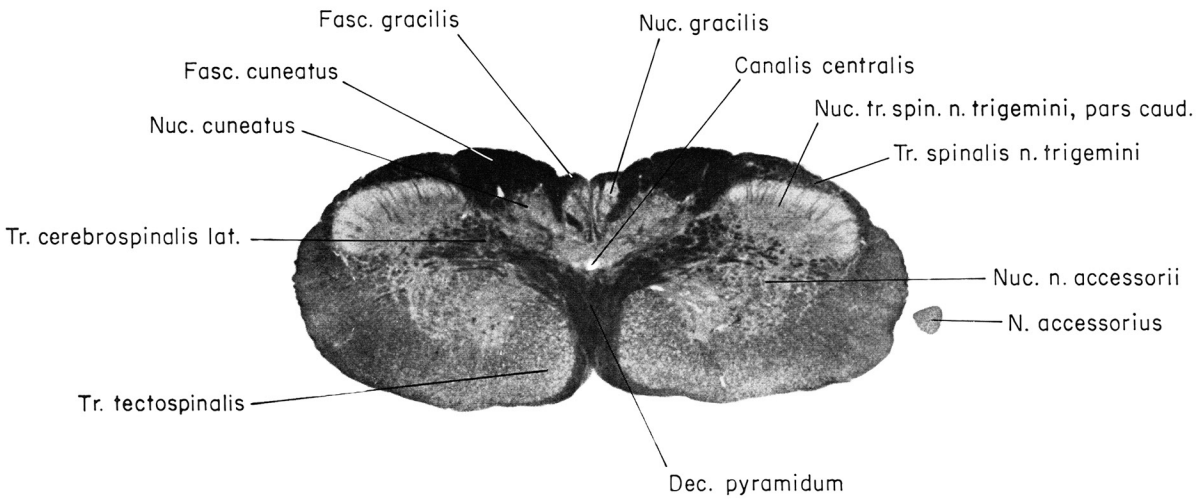

Fasc. gracilis
Nuc. gracilis
Fasc. cuneatus
Canalis centralis
Nuc. cuneatus
Nuc. tr. spin. n. trigemini, pars caud.
Tr. spinalis n. trigemini
Tr. cerebrospinalis lat.
Nuc. n. accessorii
N. accessorius
Tr. tectospinalis
Dec. pyramidum

Plate 7

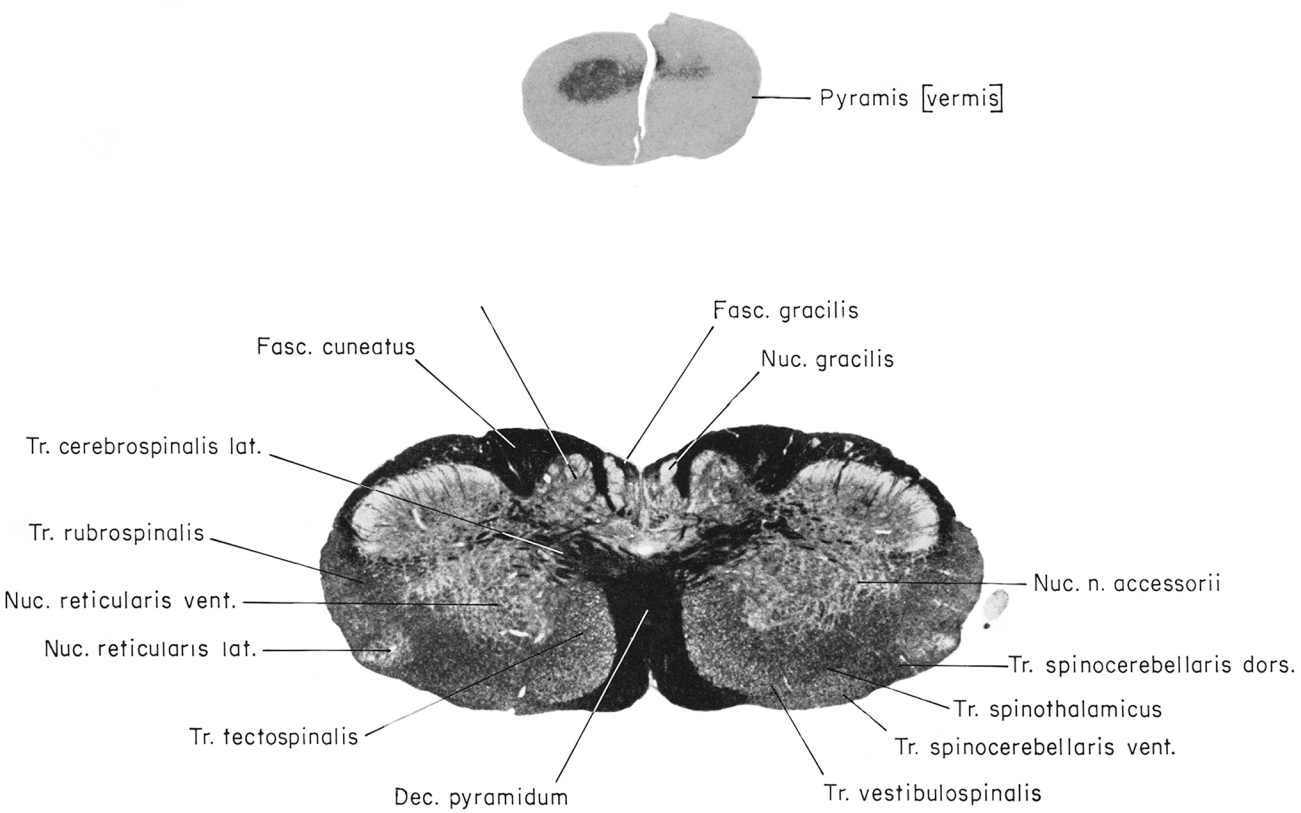

Pyramis [vermis]
Fasc. gracilis
Fasc. cuneatus
Nuc. gracilis
Tr. cerebrospinalis lat.
Tr. rubrospinalis
Nuc. reticularis vent.
Nuc. reticularis lat.
Nuc. n. accessorii
Tr. spinocerebellaris dors.
Tr. spinothalamicus
Tr. spinocerebellaris vent.
Tr. tectospinalis
Dec. pyramidum
Tr. vestibulospinalis

Plate 8

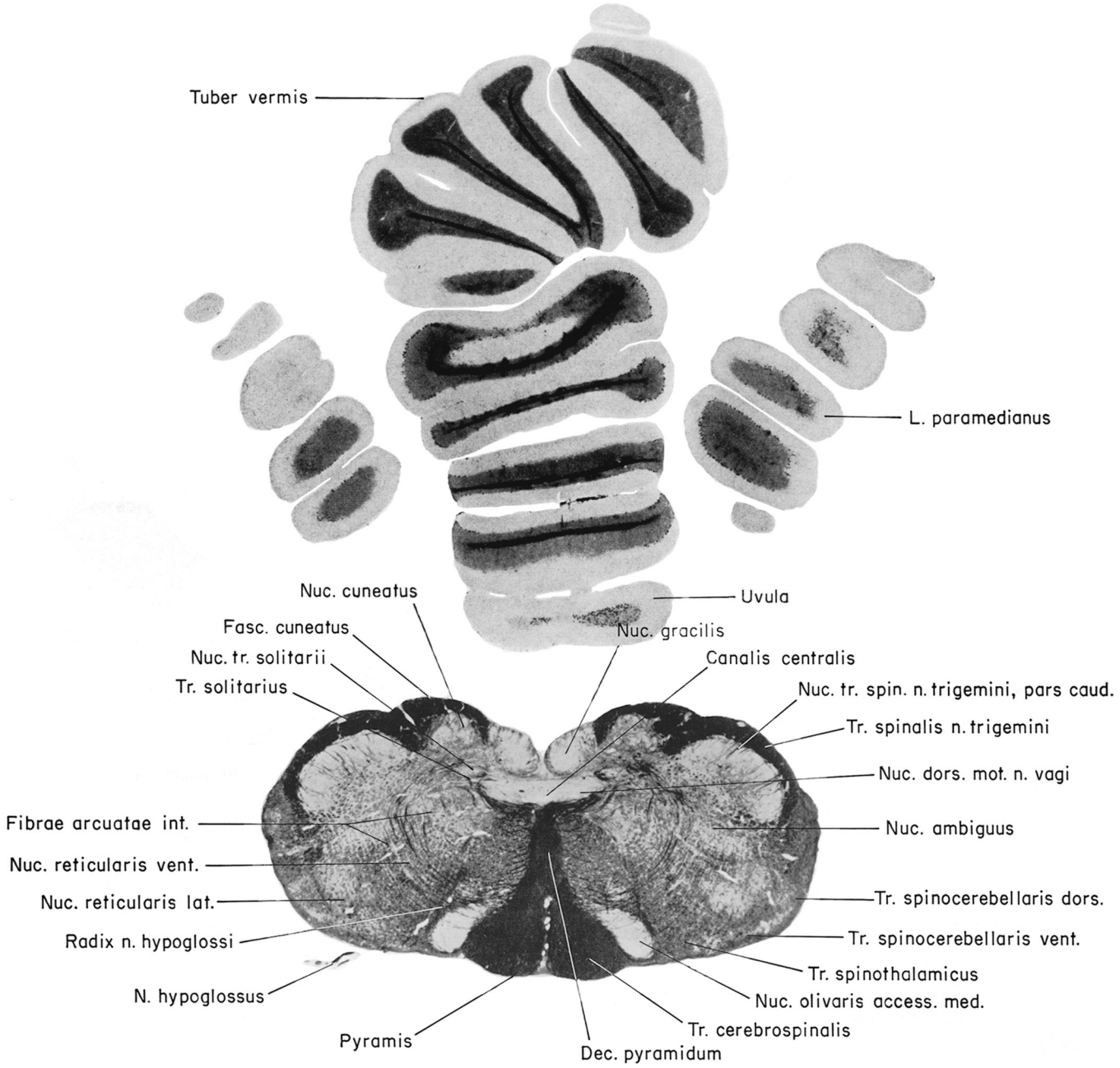

Tuber vermis
L. paramedianus
Uvula
Nuc. cuneatus
Fasc. cuneatus
Nuc. tr. solitarii
Tr. solitarius
Nuc. gracilis
Canalis centralis
Nuc. tr. spin. n. trigemini, pars caud.
Tr. spinalis n. trigemini
Nuc. dors. mot. n. vagi
Nuc. ambiguus
Fibrae arcuatae int.
Nuc. reticularis vent.
Nuc. reticularis lat.
Radix n. hypoglossi
N. hypoglossus
Pyramis
Dec. pyramidum
Tr. cerebrospinalis
Nuc. olivaris access. med.
Tr. spinothalamicus
Tr. spinocerebellaris vent.
Tr. spinocerebellaris dors.

Plate 9


Fasc. cuneatus
Nuc. cuneatus
Nuc. cuneatus access.
Tr. solitarius
Nuc. tr. solitarii
Fibrae arcuatae int.
Tr. rubrospinalis
Nuc. reticularis vent.
Tr. tectospinalis
Nuc. reticularis lat.
Radix n. hypoglossi
N. hypoglossus
Pyramis
Dec. pyramidum
Nuc. gracilis
Nuc. commissuralis
Nuc. dors. mot. n. vagi
Nuc. n. hypoglossi
Nuc. ambiguus
Tr. spinocerebellaris dors.
N. accessorius
Tr. vestibulospinalis
Tr. spinocerebellaris vent.
Tr. spinothalamicus
Nuc. olivaris access. med.
Tr. cerebrospinali

Plate 10


Tuber vermis
L. paramedianus
Pyramis [vermis]
Uvula
Fasc. long. med.
Nuc. commissuralis
Nuc. aracilis
Nuc. tr. solitarii
Nuc. cuneatus access.
Nuc. cuneatus
Tr. solitarius
Fibrae arcuatae int.
Nuc. reticularis parvicell.
Nuc. reticularis vent.
Radix n. hypoglossi
Fibrae arcuatae int.
Nuc. reticularis lat.
N. hypoglossus
Pyramis
Nuc. dors. mot. n. vagi
Nuc. intercalatus
Nuc. n. hypoglossi
Nuc. tr. spin. n. trigemini, pars caud.
Radix n. accessorii
Tr. spinocerebellaris dors.
Nuc. ambiguus
Tr. spinocerebellaris vent.
Dec. lemnisci. med.
Nuc. olivaris access. med.
Tr. cerebrospinalis
Fiss. ventralis med.

Plate 11

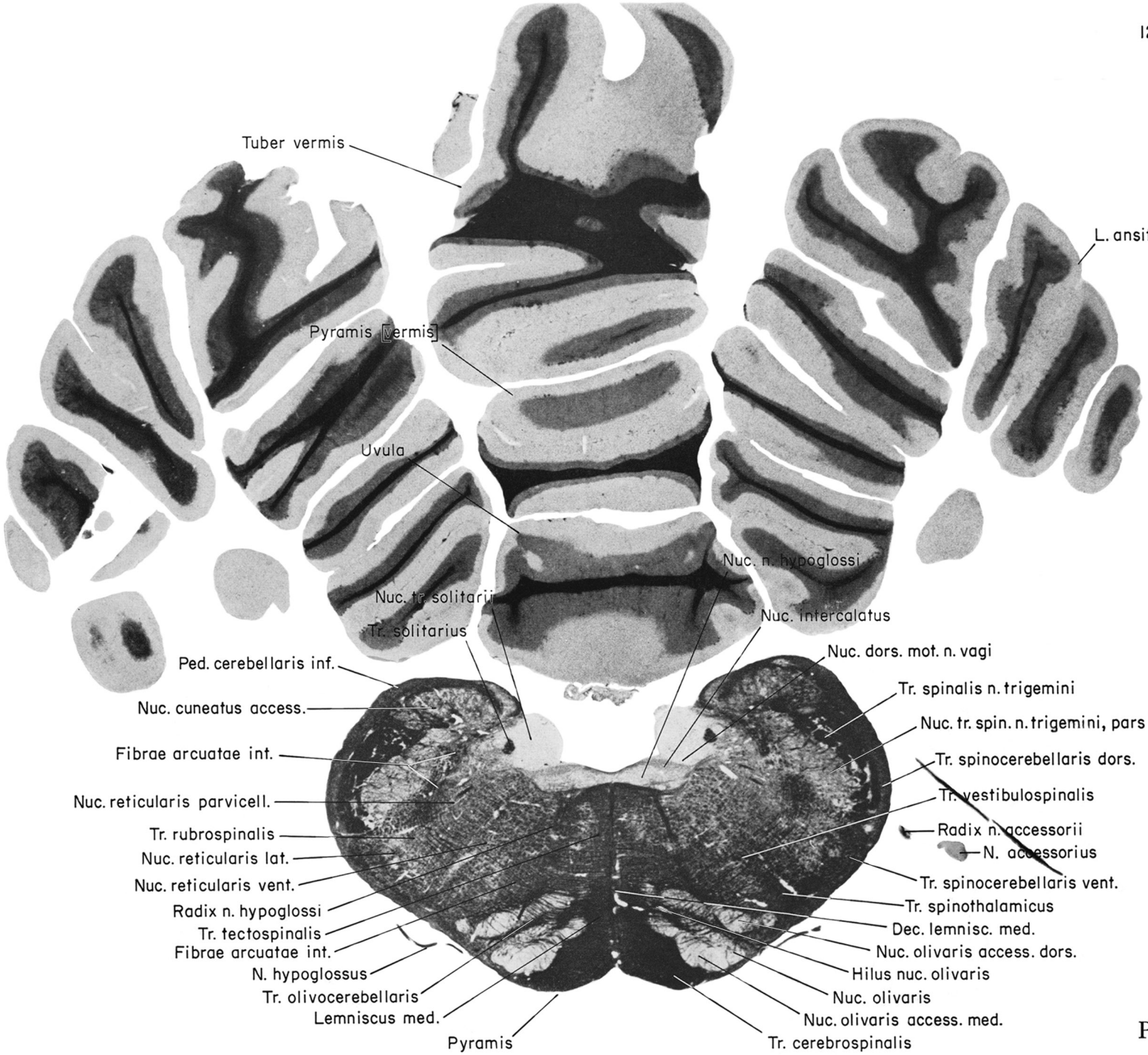

Tuber vermis
L. ansiformis
Pyramis [vermis]
Uvula
Nuc. n. hypoglossi
Nuc. tr. solitarii
Nuc. intercalatus
Tr. solitarius
Nuc. dors. mot. n. vagi
Ped. cerebellaris inf.
Tr. spinalis n. trigemini
Nuc. cuneatus access.
Nuc. tr. spin. n. trigemini, pars interpol.
Fibrae arcuatae int.
Tr. spinocerebellaris dors.
Nuc. reticularis parvicell.
Tr. vestibulospinalis
Tr. rubrospinalis
Radix n. accessorii
Nuc. reticularis lat.
N. accessorius
Nuc. reticularis vent.
Tr. spinocerebellaris vent.
Radix n. hypoglossi
Tr. spinothalamicus
Tr. tectospinalis
Dec. lemnisc. med.
Fibrae arcuatae int.
Nuc. olivaris access. dors.
N. hypoglossus
Hilus nuc. olivaris
Tr. olivocerebellaris
Nuc. olivaris
Lemniscus med.
Nuc. olivaris access. med.
Pyramis
Tr. cerebrospinalis

Plate 12

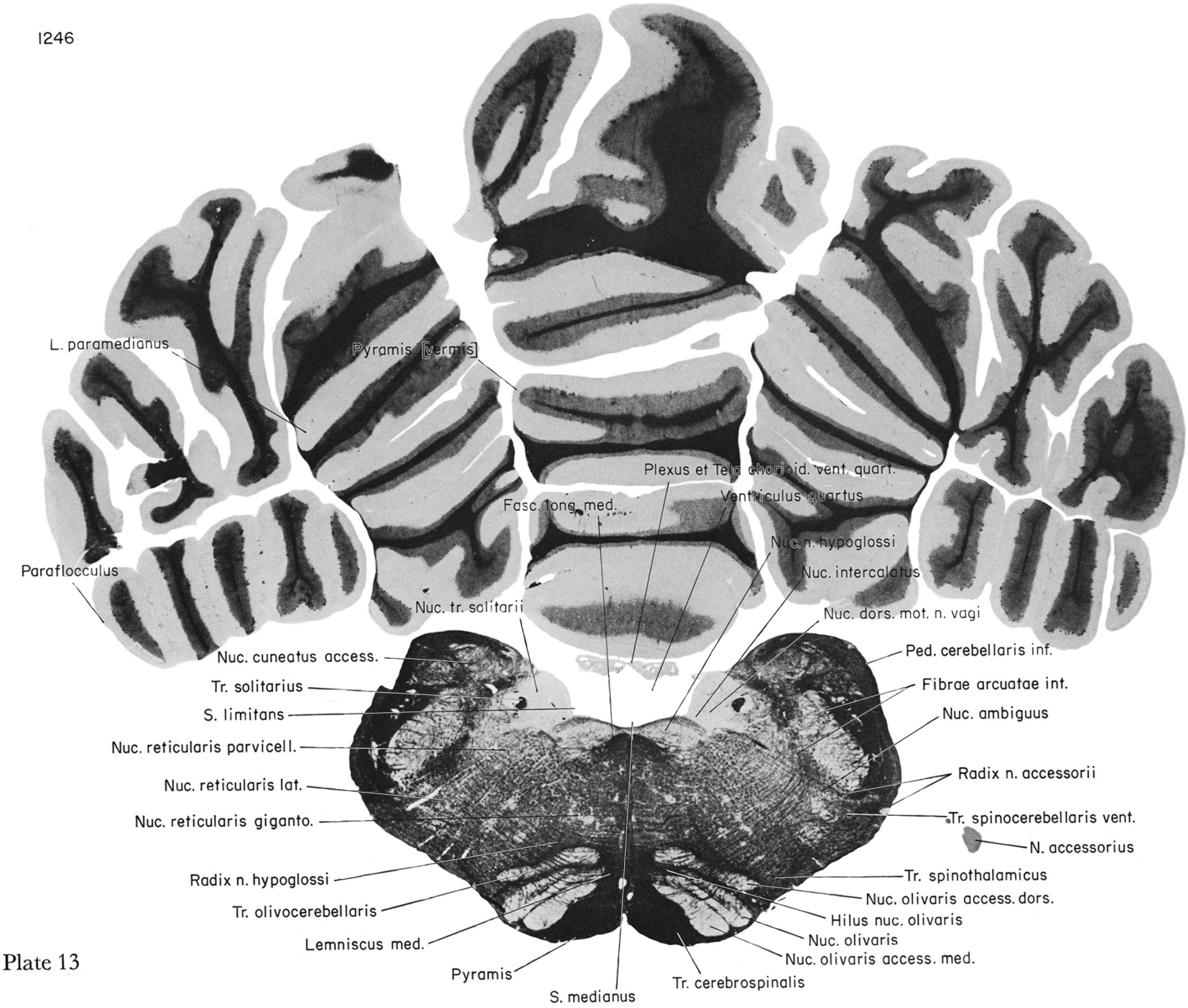

L. paramedianus
Pyramis [Vermis]
Plexus et Tela chorioid. vent. quart.
Ventriculus quartus
Fasc. long. med.
Nuc. n. hypoglossi
Nuc. intercalatus
Paraflocculus
Nuc. tr. solitarii
Nuc. dors. mot. n. vagi
Nuc. cuneatus access.
Ped. cerebellaris inf.
Tr. solitarius
Fibrae arcuatae int.
S. limitans
Nuc. ambiguus
Nuc. reticularis parvicell.
Radix n. accessorii
Nuc. reticularis lat.
Nuc. reticularis giganto.
Tr. spinocerebellaris vent.
N. accessorius
Radix n. hypoglossi
Tr. spinothalamicus
Tr. olivocerebellaris
Nuc. olivaris access. dors.
Hilus nuc. olivaris
Lemniscus med.
Nuc. olivaris
Nuc. olivaris access. med.
Pyramis
Tr. cerebrospinalis
S. medianus

Plate 13

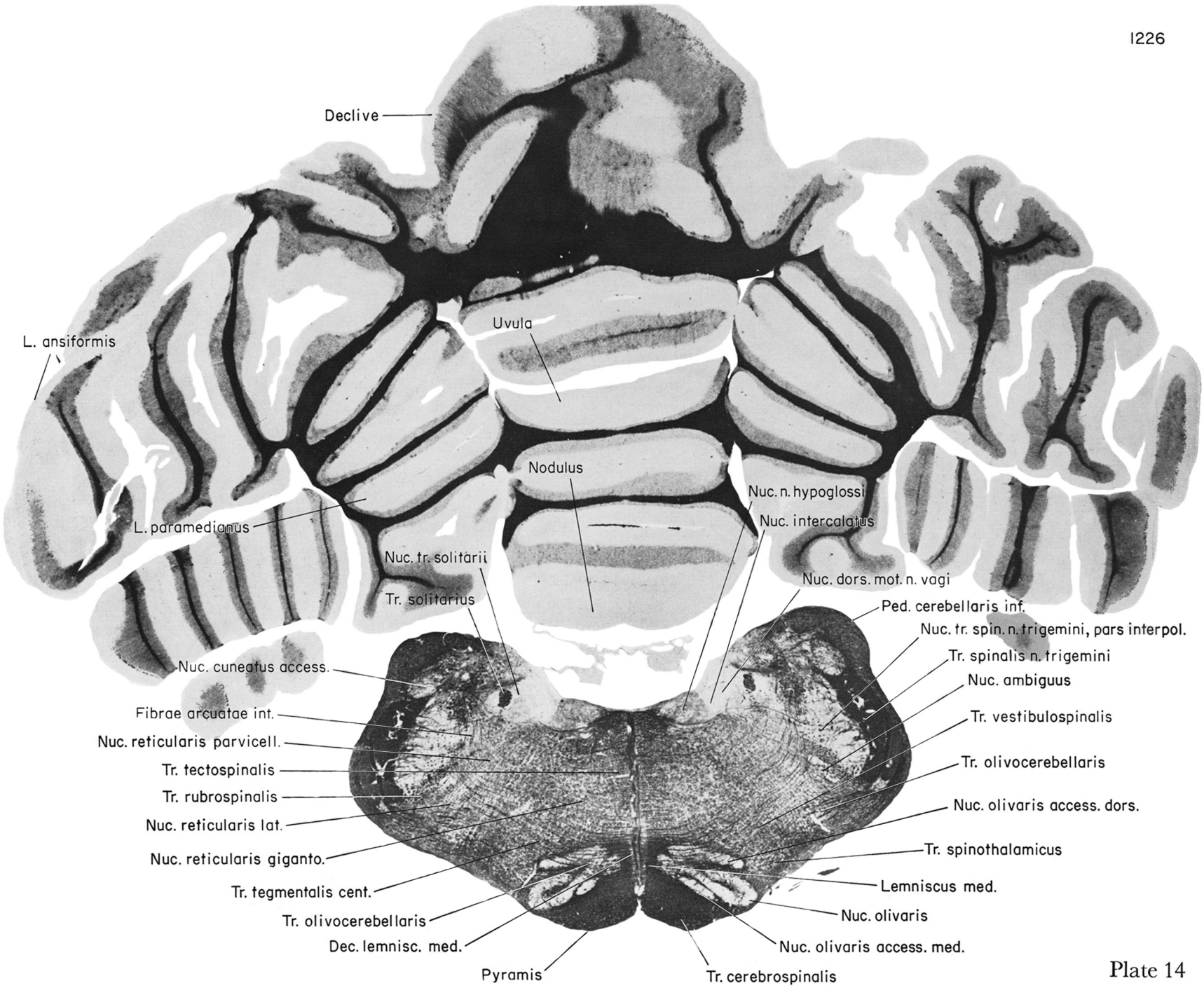

Declive
L. ansiformis
Uvula
Nodulus
L. paramedianus
Nuc. n. hypoglossi
Nuc. intercalatus
Nuc. tr. solitarii
Tr. solitarius
Nuc. dors. mot. n. vagi
Ped. cerebellaris inf.
Nuc. tr. spin. n. trigemini, pars interpol.
Tr. spinalis n. trigemini
Nuc. ambiguus
Tr. vestibulospinalis
Tr. olivocerebellaris
Nuc. olivaris access. dors.
Tr. spinothalamicus
Lemniscus med.
Nuc. olivaris
Nuc. olivaris access. med.
Tr. cerebrospinalis
Nuc. cuneatus access.
Fibrae arcuatae int.
Nuc. reticularis parvicell.
Tr. tectospinalis
Tr. rubrospinalis
Nuc. reticularis lat.
Nuc. reticularis giganto.
Tr. tegmentalis cent.
Tr. olivocerebellaris
Dec. lemnisc. med.
Pyramis

Plate 14

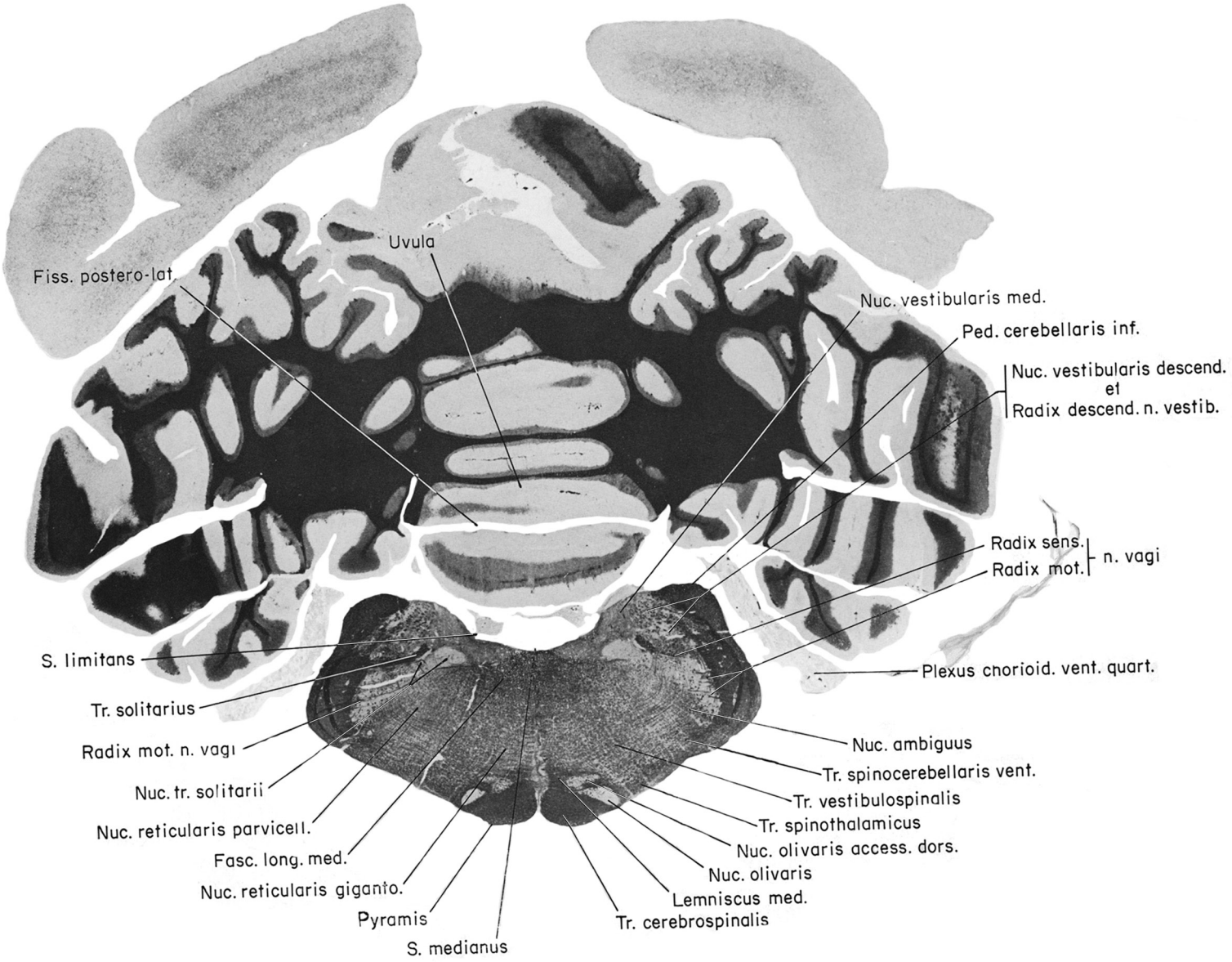

Fiss. postero-lat.
Uvula
Nuc. vestibularis med.
Ped. cerebellaris inf.
Nuc. vestibularis descend.
et
Radix descend. n. vestib.
Radix sens.
Radix mot.
n. vagi
S. limitans
Plexus chorioid. vent. quart.
Tr. solitarius
Radix mot. n. vagi
Nuc. ambiguus
Tr. spinocerebellaris vent.
Nuc. tr. solitarii
Tr. vestibulospinalis
Nuc. reticularis parvicell.
Tr. spinothalamicus
Fasc. long. med.
Nuc. olivaris access. dors.
Nuc. olivaris
Nuc. reticularis gigant.
Lemniscus med.
Pyramis
Tr. cerebrospinalis
S. medianus

Plate 15

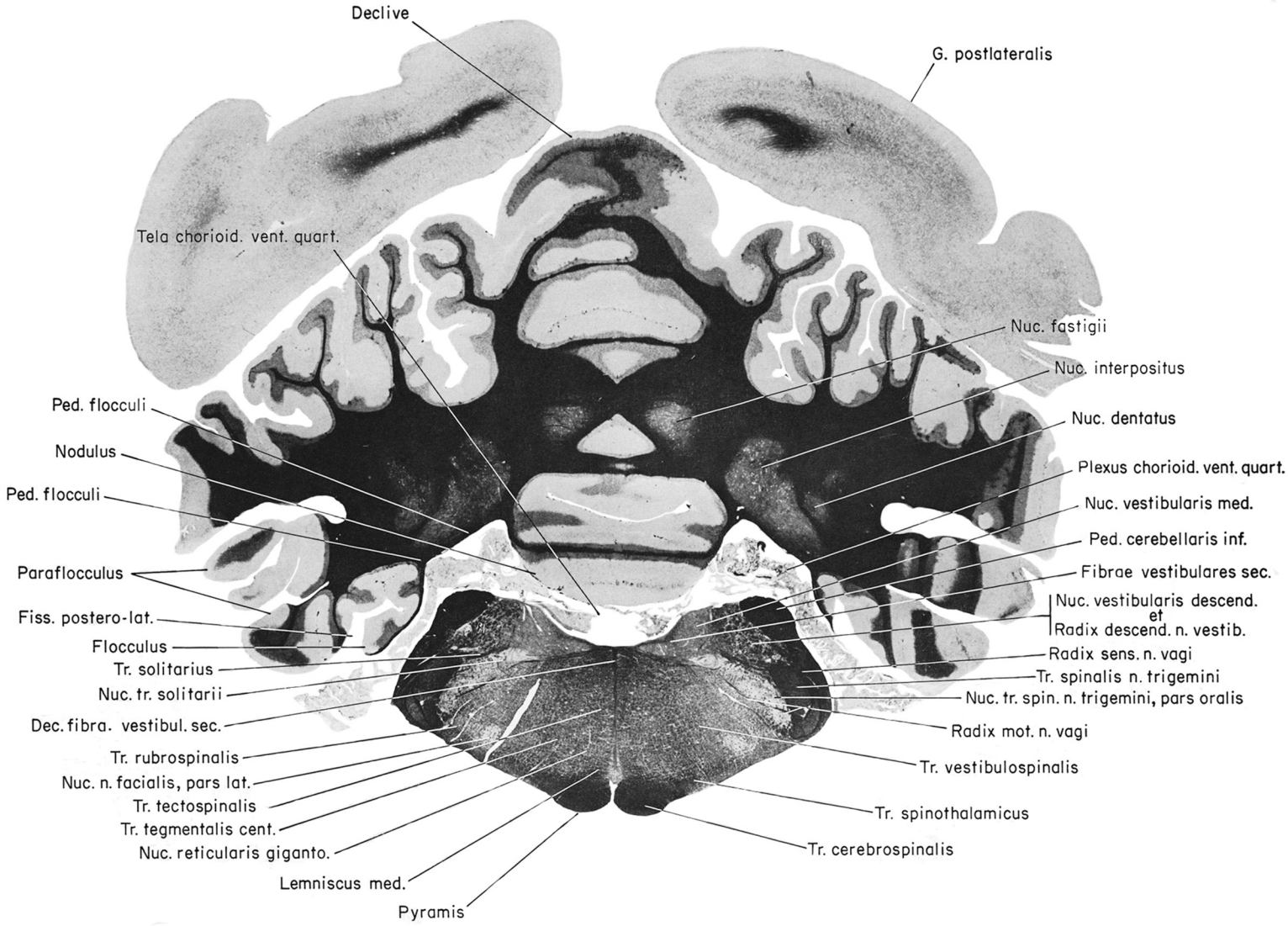

Declive
G. postlateralis
Tela chorioid. vent. quart.
Nuc. fastigii
Nuc. interpositus
Ped. flocculi
Nuc. dentatus
Nodulus
Plexus chorioid. vent. quart.
Ped. flocculi
Nuc. vestibularis med.
Ped. cerebellaris inf.
Parafloccul
Fibrae vestibulares sec.
Nuc. vestibularis descend.
et
Radix descend. n. vestib.
Fiss. postero-lat.
Flocculus
Radix sens. n. vagi
Tr. solitarius
Tr. spinalis n. trigemini
Nuc. tr. solitarii
Nuc. tr. spin. n. trigemini, pars oralis
Dec. fibra. vestibul. sec.
Radix mot. n. vagi
Tr. rubrospinalis
Tr. vestibulospinalis
Nuc. n. facialis, pars lat.
Tr. tectospinalis
Tr. spinothalamicus
Tr. tegmentalis cent.
Tr. cerebrospinalis
Nuc. reticularis giganto.
Lemniscus med.
Pyramis

Plate 16

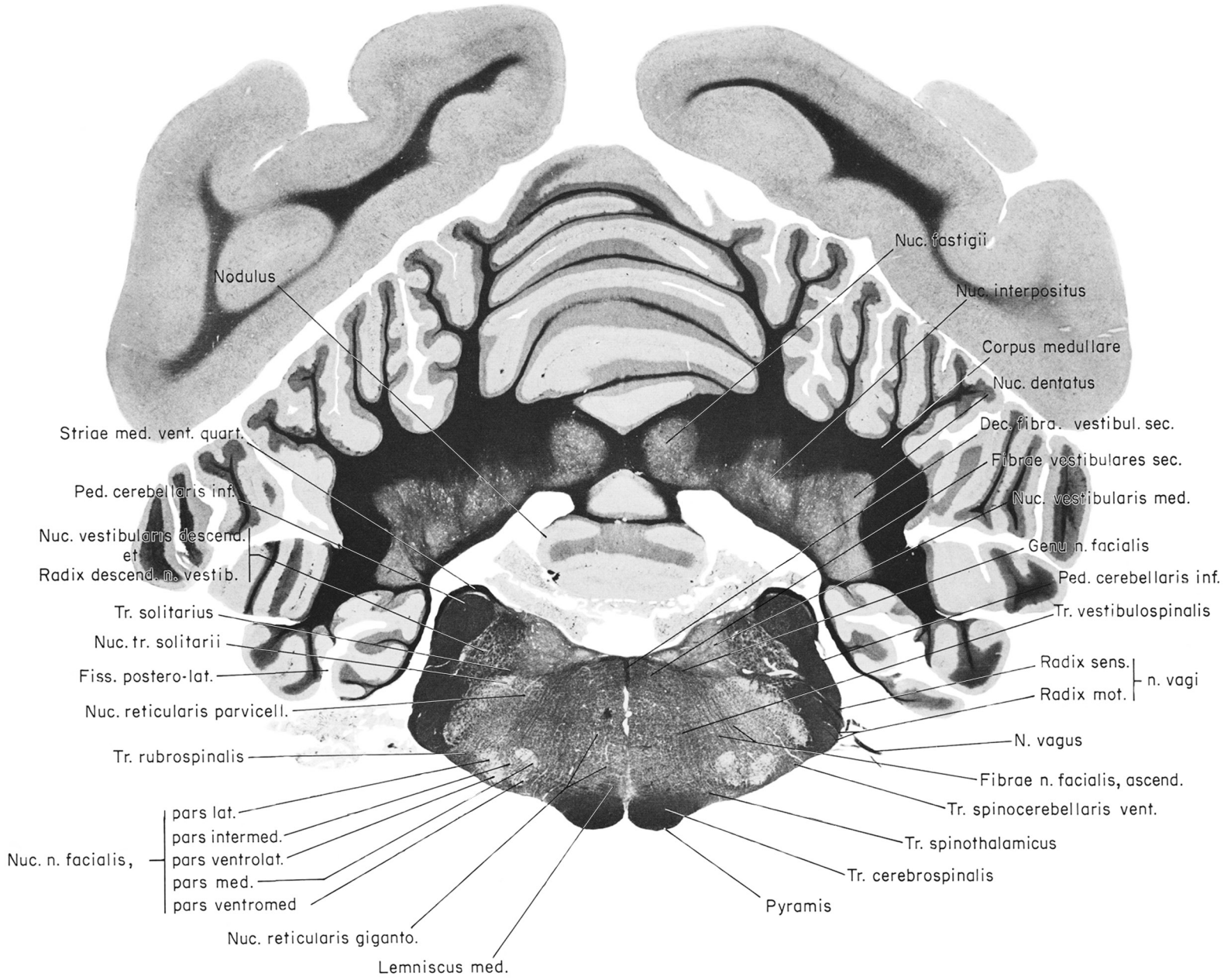

Nodulus
Striae med. vent. quart.
Ped. cerebellaris inf.
Nuc. vestibularis descend. et
Radix descend. n. vestib.
Tr. solitarius
Nuc. tr. solitarii
Fiss. postero-lat.
Nuc. reticularis parvicell.
Tr. rubrospinalis
Nuc. n. facialis,
pars lat.
pars intermed.
pars ventrolat.
pars med.
pars ventromed
Nuc. reticularis giganto.
Lemniscus med.
Nuc. fastigii
Nuc. interpositus
Corpus medullare
Nuc. dentatus
Dec. fibra. vestibul. sec.
Fibrae vestibulares sec.
Nuc. vestibularis med.
Genu n. facialis
Ped. cerebellaris inf.
Tr. vestibulospinalis
Radix sens.
Radix mot.
n. vagi
N. vagus
Fibrae n. facialis, ascend.
Tr. spinocerebellaris vent.
Tr. spinothalamicus
Tr. cerebrospinalis
Pyramis

Plate 17

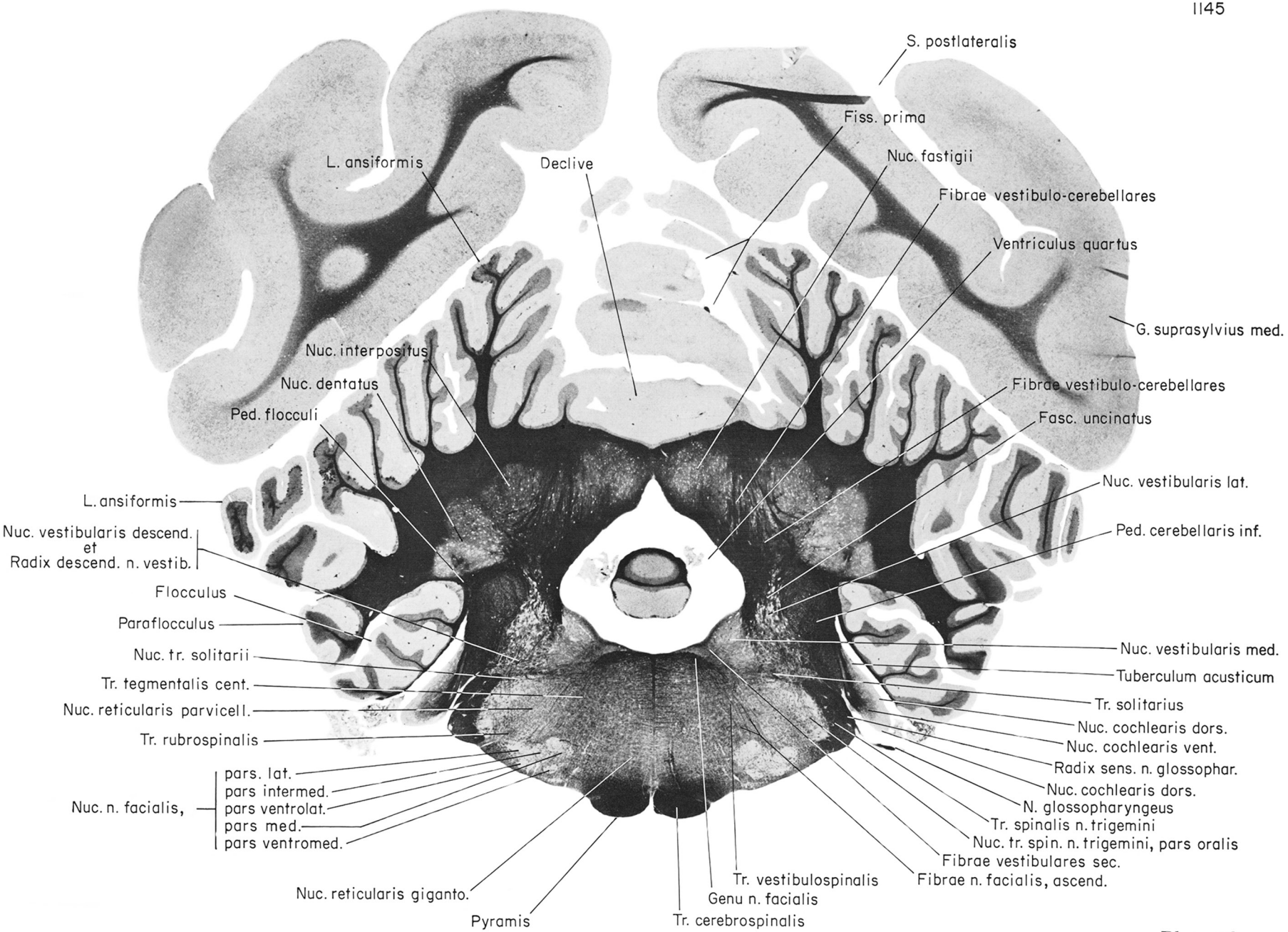

S. postlateralis
Fiss. prima
Nuc. fastigii
Declive
L. ansiformis
Fibrae vestibulo-cerebellares
Ventriculus quartus
G. suprasylvius med.
Nuc. interpositus
Nuc. dentatus
Ped. flocculi
Fibrae vestibulo-cerebellares
Fasc. uncinatus
Nuc. vestibularis lat.
L. ansiformis
Nuc. vestibularis descend. et Radix descend. n. vestib.
Ped. cerebellaris inf.
Flocculus
Paraflocculus
Nuc. vestibularis med.
Nuc. tr. solitarii
Tuberculum acusticum
Tr. tegmentalis cent.
Tr. solitarius
Nuc. reticularis parvicell.
Nuc. cochlearis dors.
Tr. rubrospinalis
Nuc. cochlearis vent.
Radix sens. n. glossophar.
Nuc. n. facialis, pars lat.
pars intermed.
pars ventrolat.
pars med.
pars ventromed.
Nuc. cochlearis dors.
N. glossopharyngeus
Tr. spinalis n. trigemini
Nuc. tr. spin. n. trigemini, pars oralis
Fibrae vestibulares sec.
Fibrae n. facialis, ascend.
Tr. vestibulospinalis
Nuc. reticularis giganto.
Genu n. facialis
Pyramis
Tr. cerebrospinalis

Plate 18

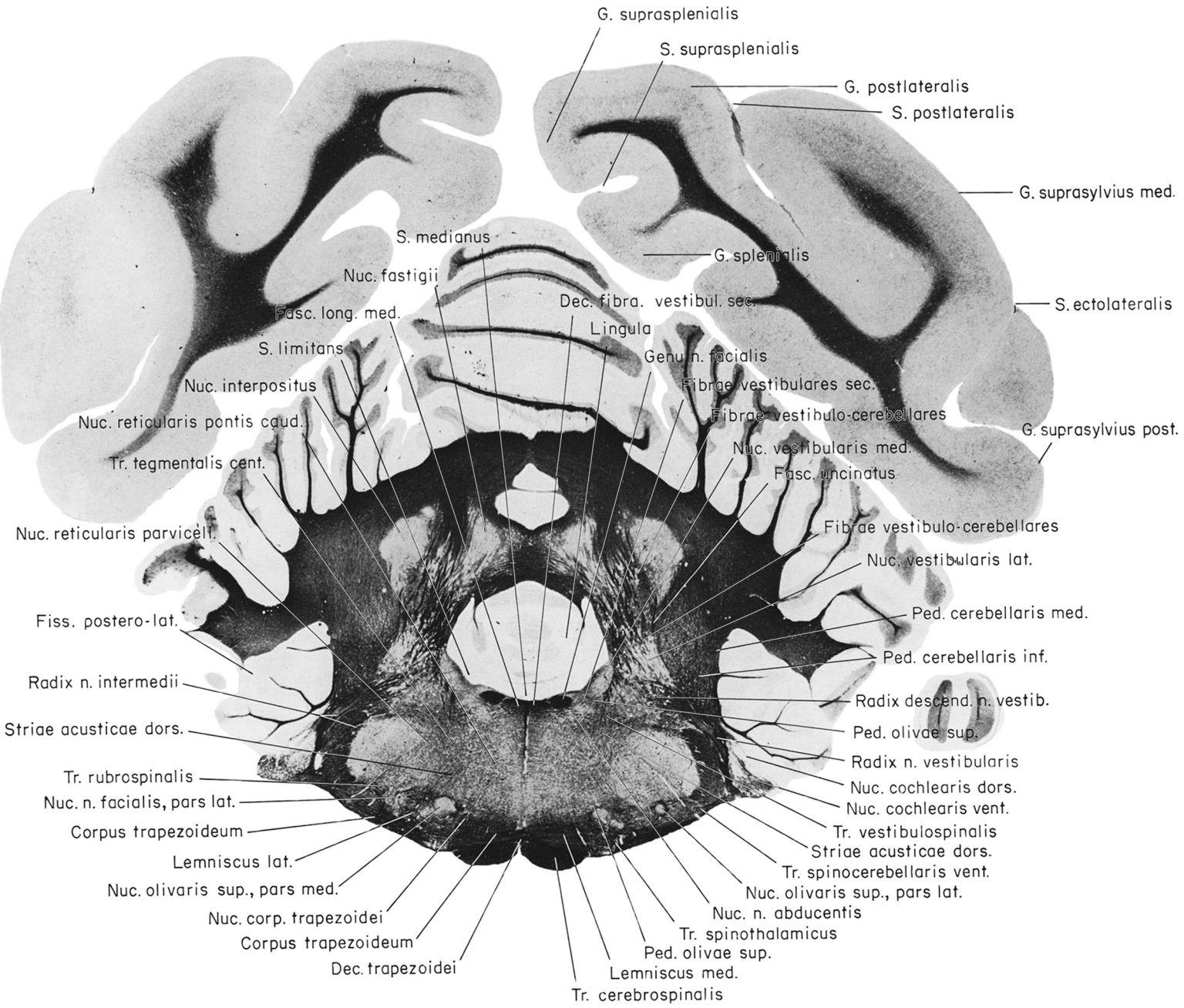

G. suprasplenialis
S. suprasplenialis
G. postlateralis
S. postlateralis
G. suprasylvius med.
S. medianus
G. splenialis
Nuc. fastigii
Dec. fibra. vestibul. sec.
S. ectolateralis
Fasc. long. med.
Lingula
S. limitans
Genu n. facialis
Nuc. interpositus
Fibrae vestibulares sec.
Nuc. reticularis pontis caud.
Fibrae vestibulo-cerebellares
G. suprasylvius post.
Nuc. vestibularis med.
Tr. tegmentalis cent.
Fasc. uncinatus
Nuc. reticularis parvicell.
Fibrae vestibulo-cerebellares
Nuc. vestibularis lat.
Fiss. postero-lat.
Ped. cerebellaris med.
Ped. cerebellaris inf.
Radix n. intermedii
Radix descend. n. vestib.
Striae acusticae dors.
Ped. olivae sup.
Radix n. vestibularis
Tr. rubrospinalis
Nuc. cochlearis dors.
Nuc. n. facialis, pars lat.
Nuc. cochlearis vent.
Corpus trapezoideum
Tr. vestibulospinalis
Striae acusticae dors.
Lemniscus lat.
Tr. spinocerebellaris vent.
Nuc. olivaris sup., pars med.
Nuc. olivaris sup., pars lat.
Nuc. corp. trapezoidei
Nuc. n. abducentis
Corpus trapezoideum
Tr. spinothalamicus
Ped. olivae sup.
Dec. trapezoidei
Lemniscus med.
Tr. cerebrospinalis

Plate 19

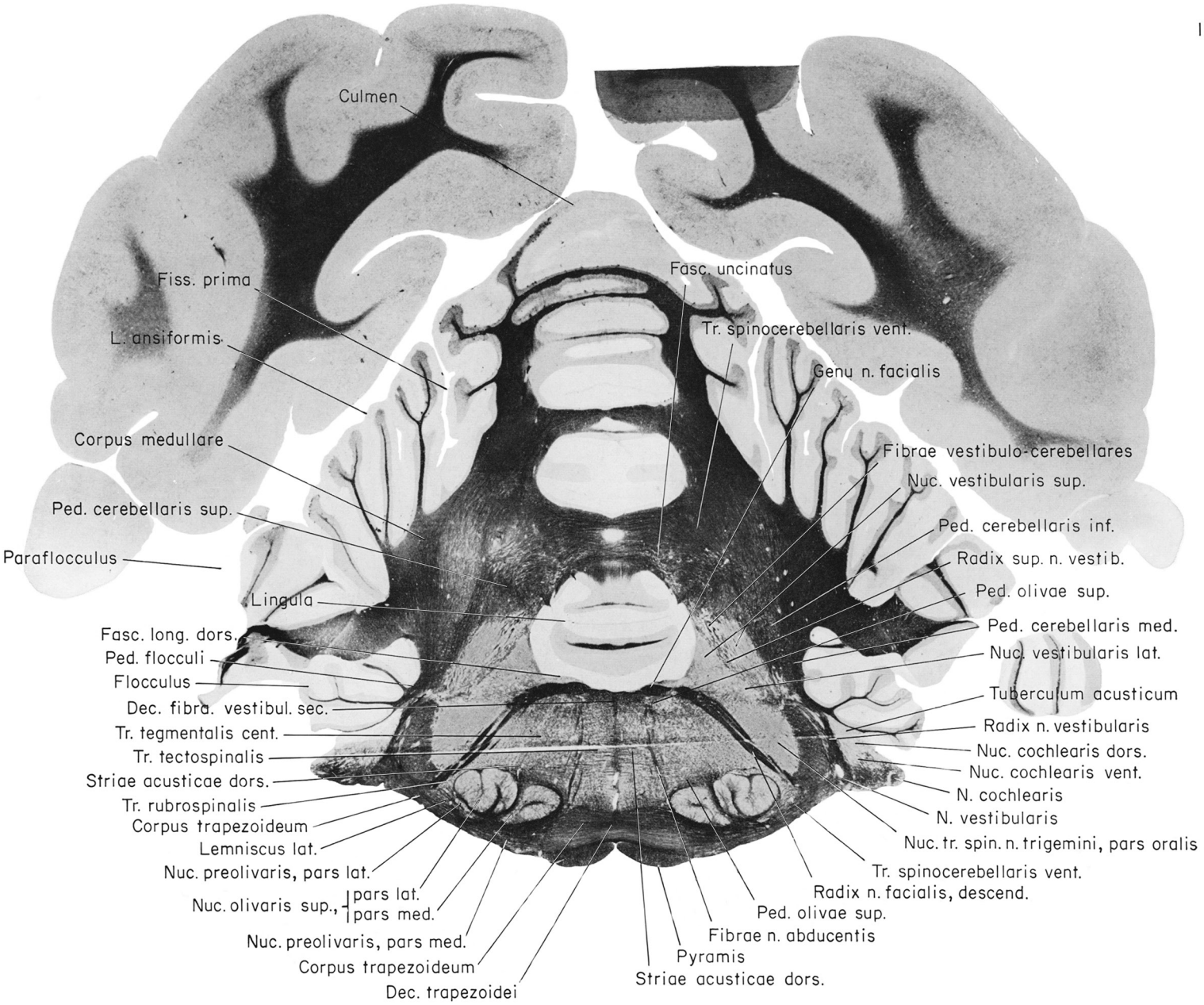

Culmen
Fiss. prima
L. ansiformis
Corpus medullare
Ped. cerebellaris sup.
Parafloccul us
Lingula
Fasc. long. dors.
Ped. flocculi
Flocculus
Dec. fibra. vestibul. sec.
Tr. tegmentalis cent.
Tr. tectospinalis
Striae acusticae dors.
Tr. rubrospinalis
Corpus trapezoideum
Lemniscus lat.
Nuc. preolivaris, pars lat.
Nuc. olivaris sup., pars lat. pars med.
Nuc. preolivaris, pars med.
Corpus trapezoideum
Dec. trapezoidei
Fasc. uncinatus
Tr. spinocerebellaris vent.
Genu n. facialis
Fibrae vestibulo-cerebellares
Nuc. vestibularis sup.
Ped. cerebellaris inf.
Radix sup. n. vestib.
Ped. olivae sup.
Ped. cerebellaris med.
Nuc. vestibularis lat.
Tuberculum acusticum
Radix n. vestibularis
Nuc. cochlearis dors.
Nuc. cochlearis vent.
N. cochlearis
N. vestibularis
Nuc. tr. spin. n. trigemini, pars oralis
Tr. spinocerebellaris vent.
Radix n. facialis, descend.
Ped. olivae sup.
Fibrae n. abducentis
Pyramis
Striae acusticae dors.

Plate 20

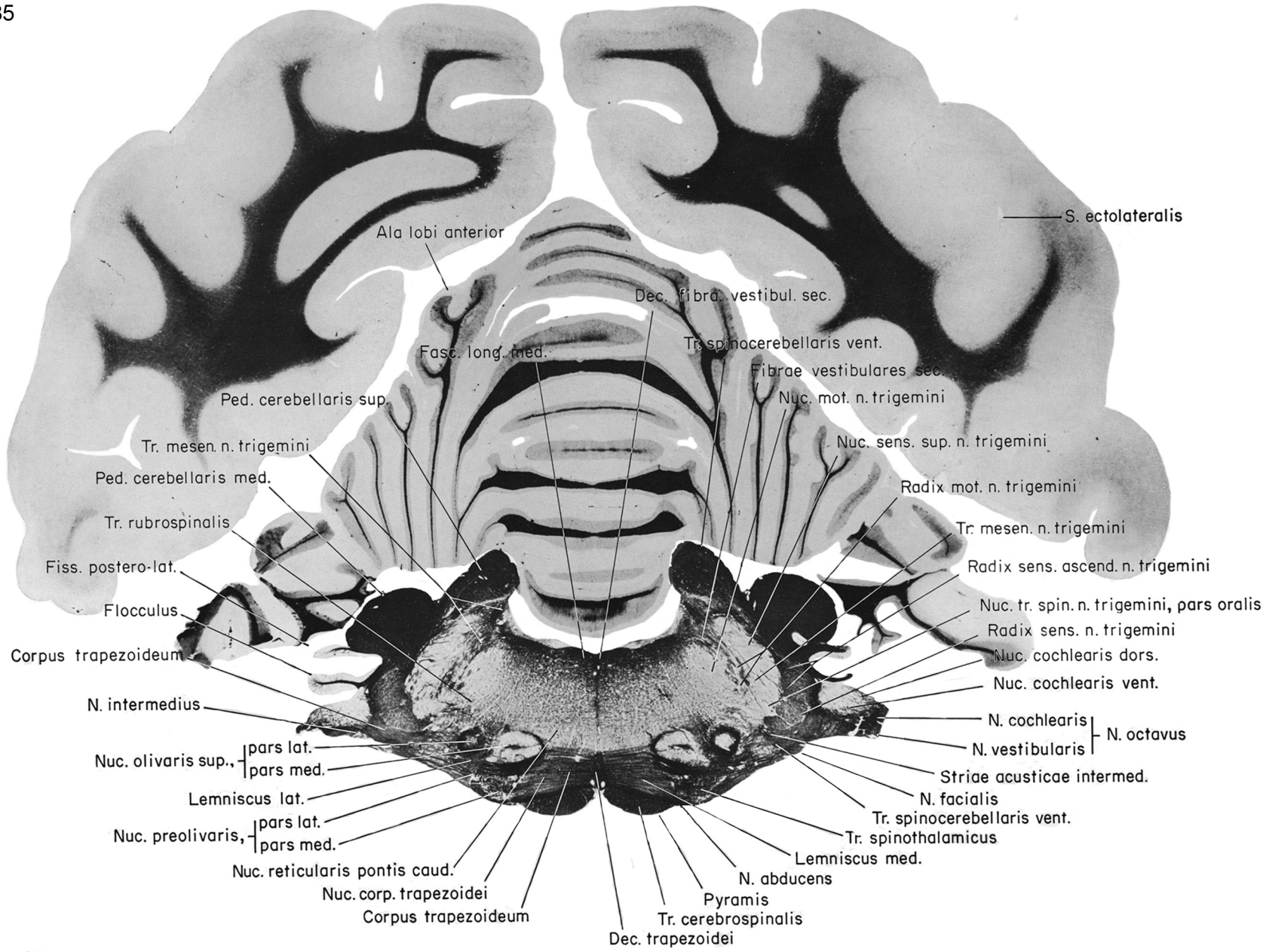

S. ectolateralis
Ala lobi anterior
Dec. fibr. vestibul. sec.
Fasc. long. med.
Tr. spinocerebellaris vent.
Fibrae vestibulares sec.
Ped. cerebellaris sup.
Nuc. mot. n. trigemini
Tr. mesen. n. trigemini
Nuc. sens. sup. n. trigemini
Ped. cerebellaris med.
Radix mot. n. trigemini
Tr. rubrospinalis
Tr. mesen. n. trigemini
Fiss. postero-lat.
Radix sens. ascend. n. trigemini
Flocculus
Nuc. tr. spin. n. trigemini, pars oralis
Radix sens. n. trigemini
Corpus trapezoideum
Nuc. cochlearis dors.
Nuc. cochlearis vent.
N. intermedius
N. cochlearis
N. octavus
N. vestibularis
Nuc. olivaris sup., pars lat. pars med.
Striae acusticae intermed.
N. facialis
Lemniscus lat.
Tr. spinocerebellaris vent.
Nuc. preolivaris, pars lat. pars med.
Tr. spinothalamicus
Lemniscus med.
Nuc. reticularis pontis caud.
N. abducens
Nuc. corp. trapezoidei
Pyramis
Corpus trapezoideum
Tr. cerebrospinalis
Dec. trapezoidei

Plate 21

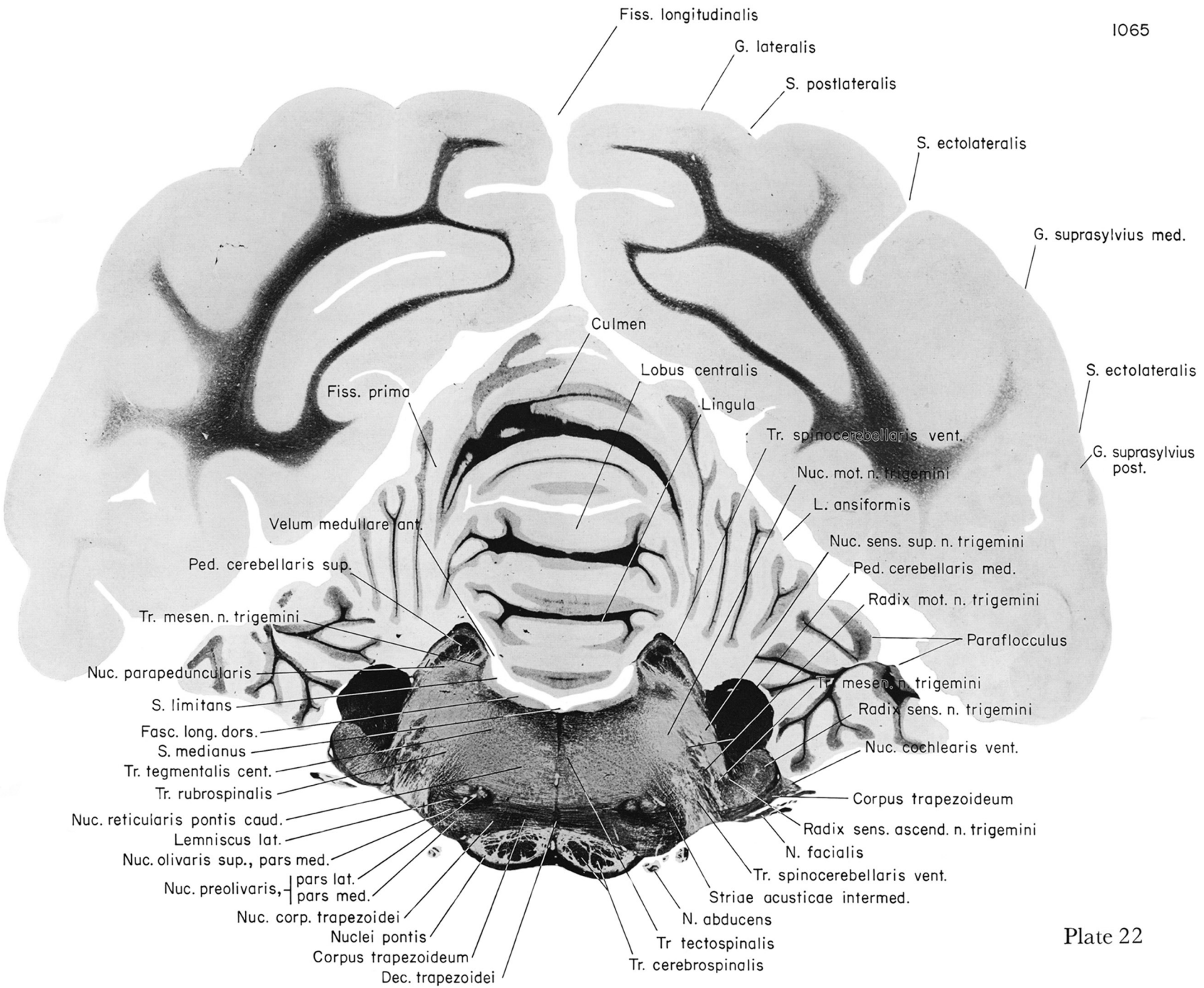

Fiss. longitudinalis
G. lateralis
S. postlateralis
S. ectolateralis
G. suprasylvius med.
Culmen
Lobus centralis
Fiss. prima
Lingula
S. ectolateralis
Tr. spinocerebellaris vent.
G. suprasylvius post.
Nuc. mot. n. trigemini
L. ansiformis
Velum medullare ant.
Nuc. sens. sup. n. trigemini
Ped. cerebellaris sup.
Ped. cerebellaris med.
Radix mot. n. trigemini
Tr. mesen. n. trigemini
Paraflocculus
Nuc. parapedunculari
Tr. mesen. n. trigemini
S. limitans
Radix sens. n. trigemini
Fasc. long. dors.
S. medianus
Nuc. cochlearis vent.
Tr. tegmentalis cent.
Tr. rubrospinalis
Corpus trapezoideum
Nuc. reticularis pontis caud.
Radix sens. ascend. n. trigemini
Lemniscus lat.
N. facialis
Nuc. olivaris sup., pars med.
Tr. spinocerebellaris vent.
Nuc. preolivaris, pars lat. pars med.
Striae acusticae intermed.
Nuc. corp. trapezoidei
N. abducens
Nuclei pontis
Tr tectospinalis
Corpus trapezoideum
Tr. cerebrospinalis
Dec. trapezoidei

Plate 22

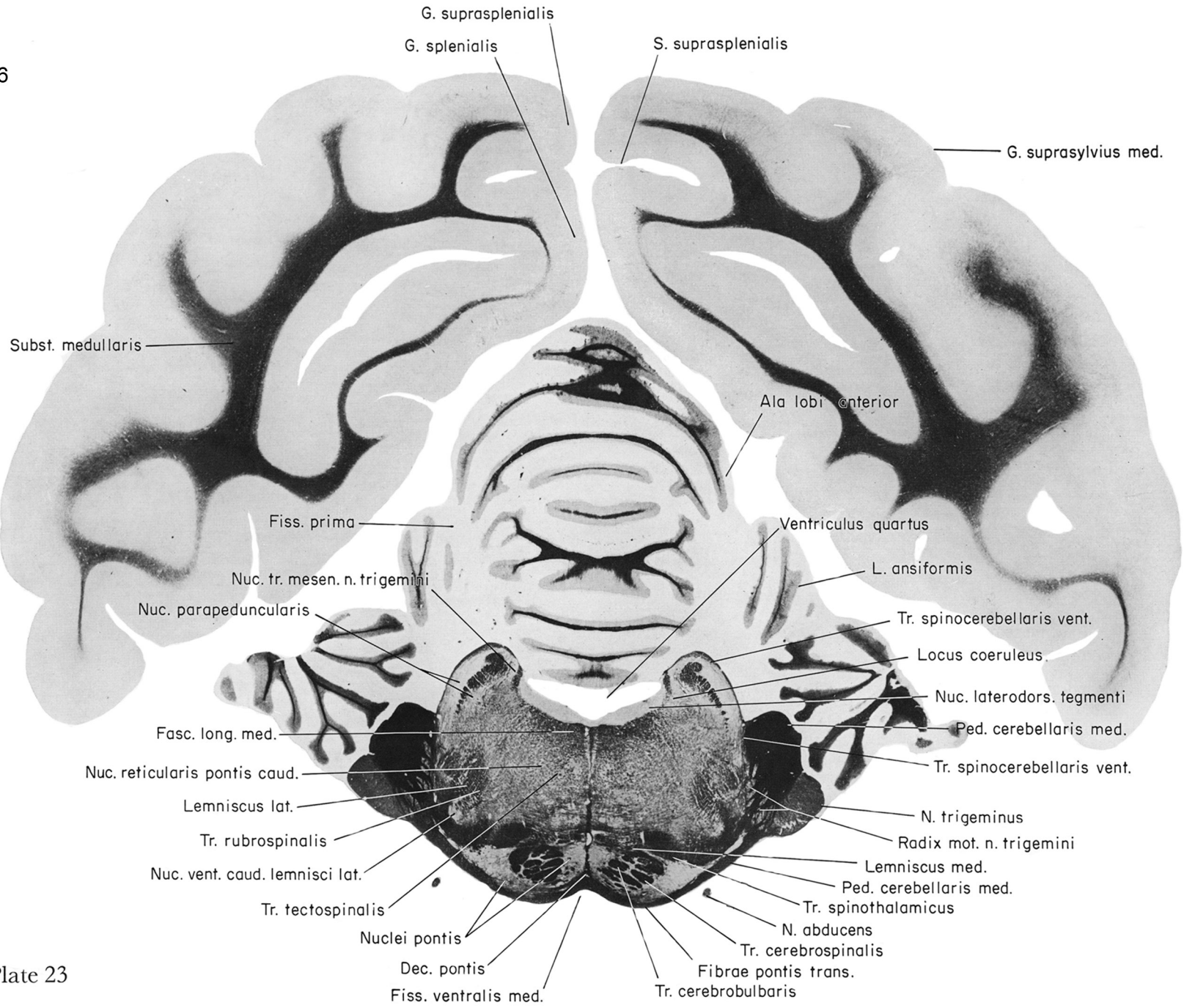

G. suprasplenialis
G. splenialis
S. suprasplenialis
G. suprasylvius med.
Subst. medullaris
Ala lobi anterior
Fiss. prima
Ventriculus quartus
L. ansiformis
Nuc. tr. mesen. n. trigemini
Nuc. parapeduncularis
Tr. spinocerebellaris vent.
Locus coeruleus
Nuc. laterodors. tegmenti
Ped. cerebellaris med.
Fasc. long. med.
Tr. spinocerebellaris vent.
Nuc. reticularis pontis caud.
N. trigeminus
Lemniscus lat.
Radix mot. n. trigemini
Tr. rubrospinalis
Lemniscus med.
Nuc. vent. caud. lemnisci lat.
Ped. cerebellaris med.
Tr. tectospinalis
Tr. spinothalamicus
N. abducens
Nuclei pontis
Tr. cerebrospinalis
Dec. pontis
Fibrae pontis trans.
Fiss. ventralis med.
Tr. cerebrobulbaris

Plate 23

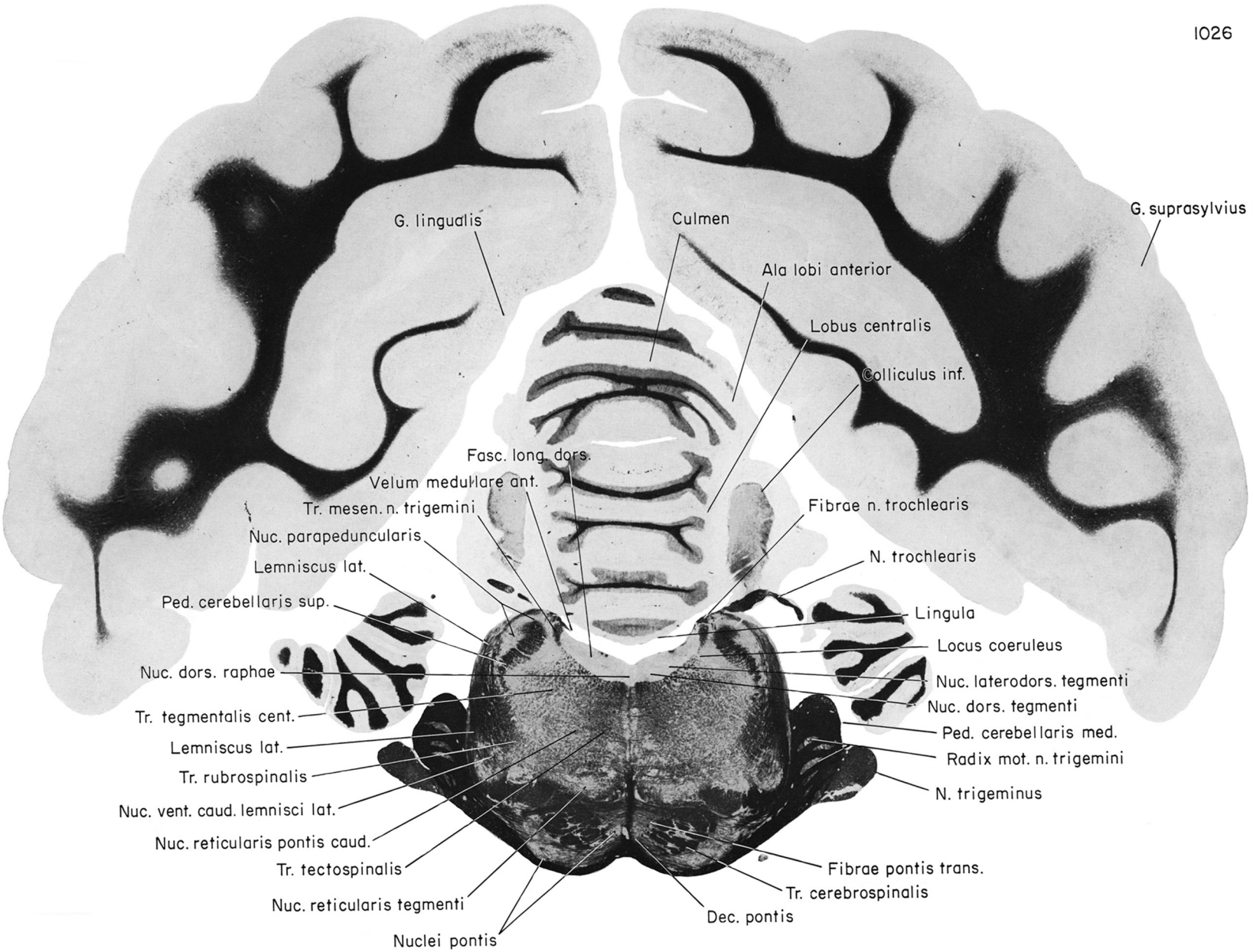

G. lingualis
Culmen
G. suprasylvius post.
Ala lobi anterior
Lobus centralis
Colliculus inf.
Fasc. long. dors.
Velum medullare ant.
Tr. mesen. n. trigemini
Fibrae n. trochlearis
Nuc. parapeduncularis
N. trochlearis
Lemniscus lat.
Ped. cerebellaris sup.
Lingula
Locus coeruleus
Nuc. dors. raphae
Nuc. laterodors. tegmenti
Nuc. dors. tegmenti
Tr. tegmentalis cent.
Ped. cerebellaris med.
Lemniscus lat.
Radix mot. n. trigemini
Tr. rubrospinalis
N. trigeminus
Nuc. vent. caud. lemnisci lat.
Nuc. reticularis pontis caud.
Fibrae pontis trans.
Tr. tectospinalis
Tr. cerebrospinalis
Nuc. reticularis tegmenti
Dec. pontis
Nuclei pontis

Plate 24

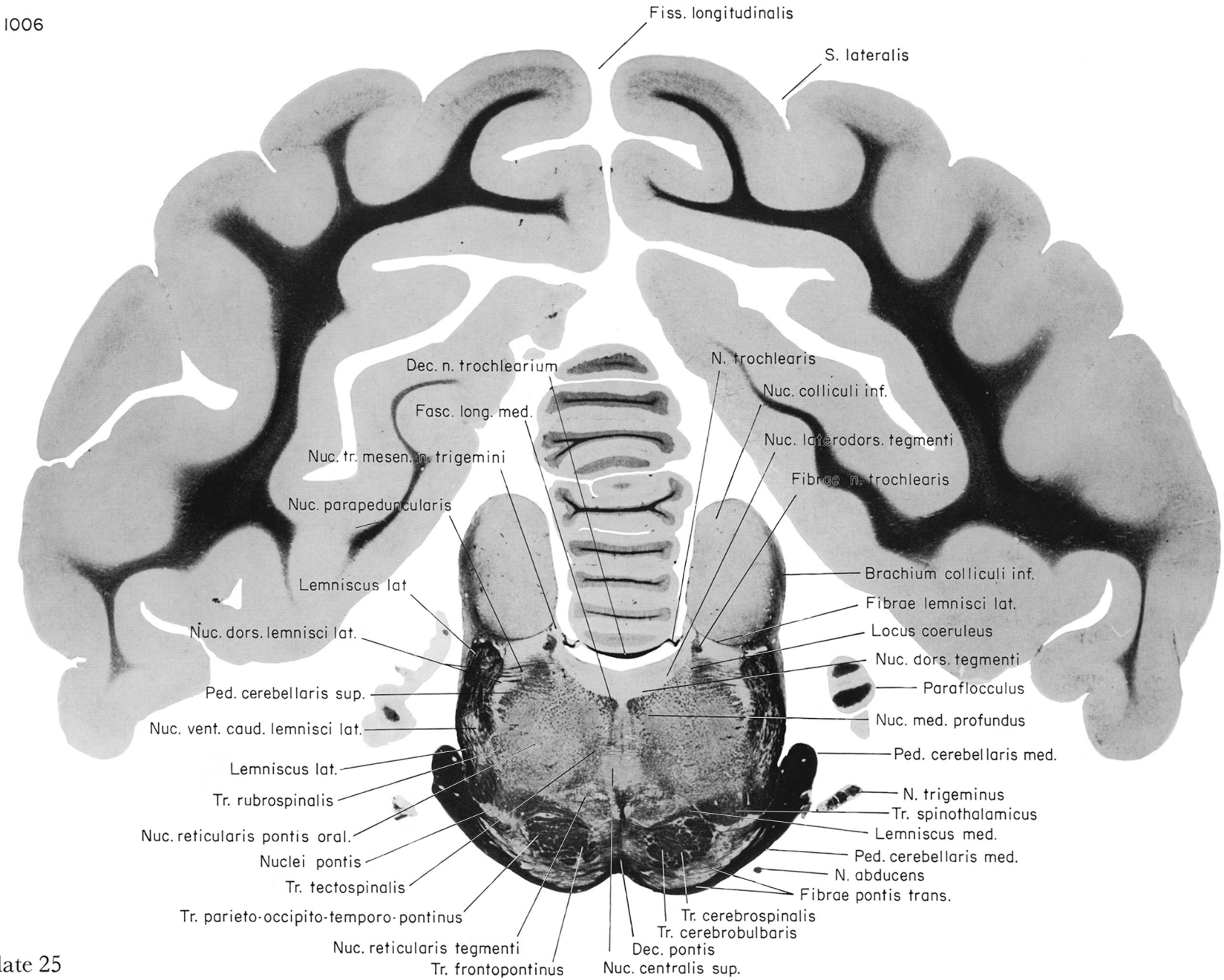

Fiss. longitudinalis
S. lateralis
Dec. n. trochlearium
N. trochlearis
Nuc. colliculi inf.
Fasc. long. med.
Nuc. laterodors. tegmenti
Nuc. tr. mesen. n. trigemini
Fibrae n. trochlearis
Nuc. parapeduncularis
Brachium colliculi inf.
Lemniscus lat
Fibrae lemnisci lat.
Nuc. dors. lemnisci lat.
Locus coeruleus
Nuc. dors. tegmenti
Ped. cerebellaris sup.
Paraflocculus
Nuc. vent. caud. lemnisci lat.
Nuc. med. profundus
Ped. cerebellaris med.
Lemniscus lat.
Tr. rubrospinalis
N. trigeminus
Tr. spinothalamicus
Nuc. reticularis pontis oral.
Lemniscus med.
Nuclei pontis
Ped. cerebellaris med.
Tr. tectospinalis
N. abducens
Fibrae pontis trans.
Tr. parieto-occipito-temporo-pontinus
Tr. cerebrospinalis
Tr. cerebrobulbaris
Nuc. reticularis tegmenti
Dec. pontis
Tr. frontopontinus
Nuc. centralis sup.

Plate 25

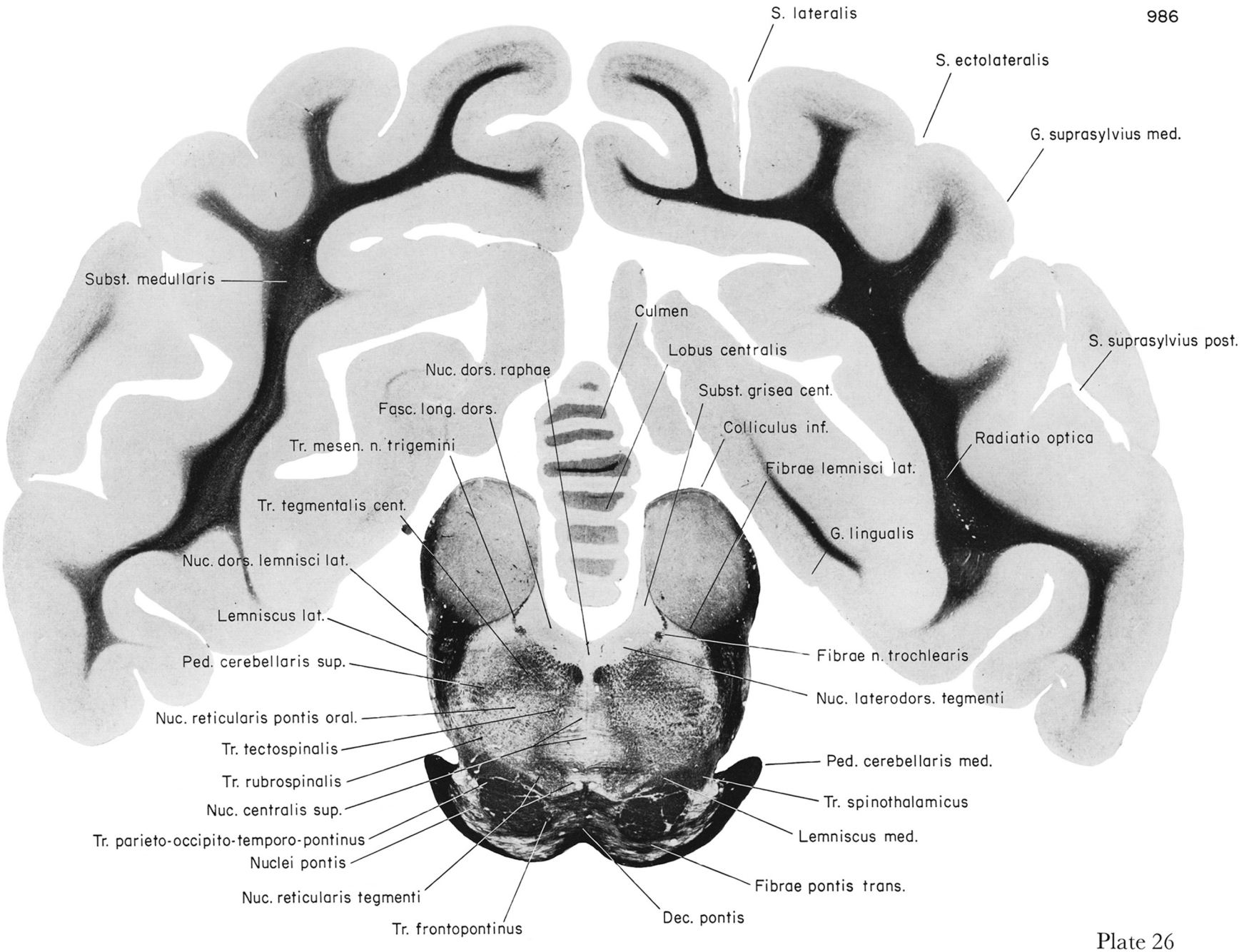

S. lateralis
S. ectolateralis
G. suprasylvius med.
Subst. medullaris
Culmen
Lobus centralis
S. suprasylvius post.
Nuc. dors. raphae
Subst. grisea cent.
Fasc. long. dors.
Colliculus inf.
Radiatio optica
Tr. mesen. n. trigemini
Fibrae lemnisci lat.
Tr. tegmentalis cent.
G. lingualis
Nuc. dors. lemnisci lat.
Lemniscus lat.
Fibrae n. trochlearis
Ped. cerebellaris sup.
Nuc. laterodors. tegmenti
Nuc. reticularis pontis oral.
Tr. tectospinalis
Ped. cerebellaris med.
Tr. rubrospinalis
Tr. spinothalamicus
Nuc. centralis sup.
Lemniscus med.
Tr. parieto-occipito-temporo-pontinus
Nuclei pontis
Fibrae pontis trans.
Nuc. reticularis tegmenti
Dec. pontis
Tr. frontopontinus

Plate 26

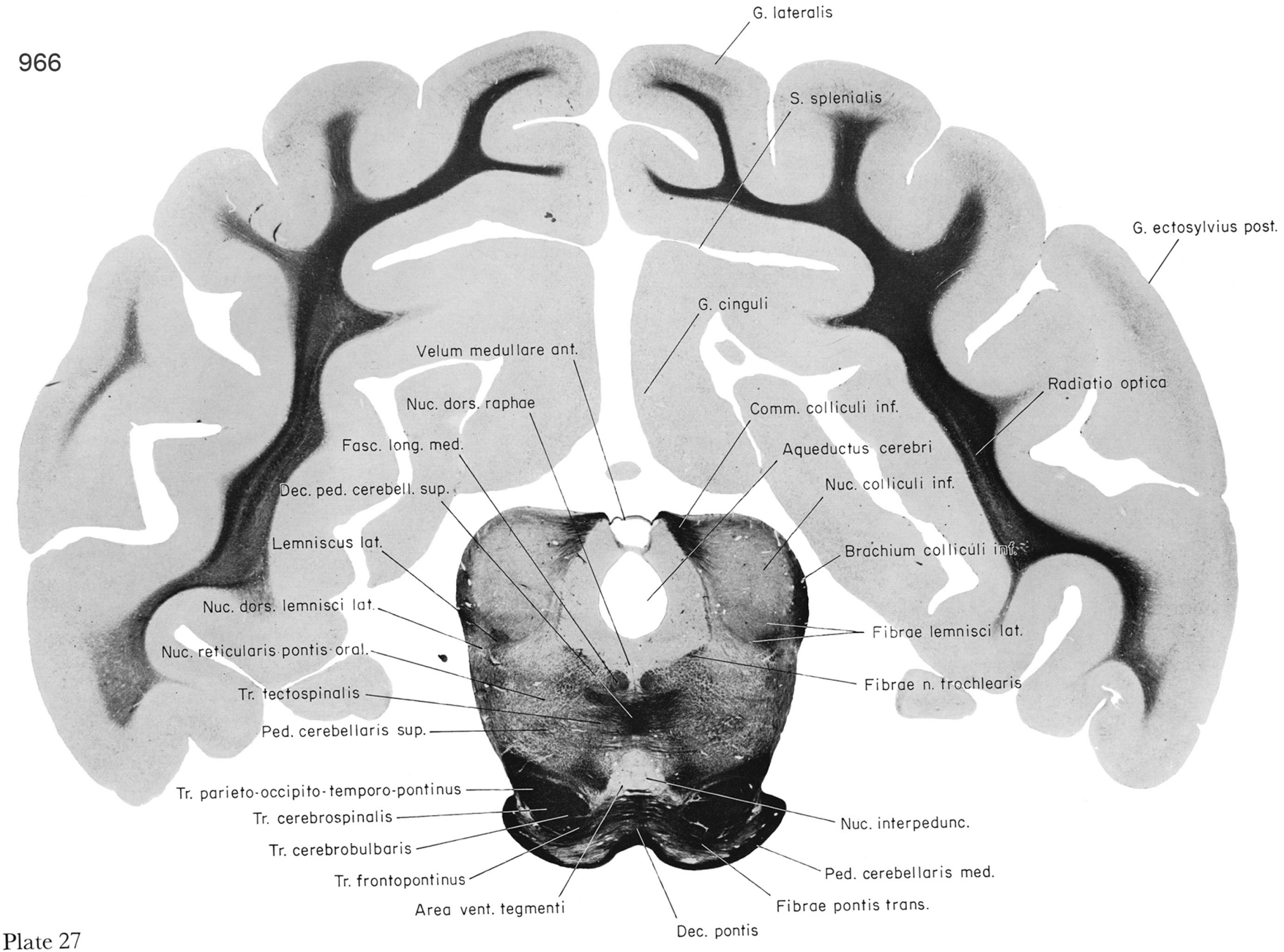

G. lateralis
S. splenialis
G. ectosylvius post.
G. cinguli
Velum medullare ant.
Radiatio optica
Nuc. dors. raphae
Comm. colliculi inf.
Fasc. long. med.
Aqueductus cerebri
Dec. ped. cerebell. sup.
Nuc. colliculi inf.
Lemniscus lat.
Brachium colliculi inf.
Nuc. dors. lemnisci lat.
Fibrae lemnisci lat.
Nuc. reticularis pontis oral.
Fibrae n. trochlearis
Tr. tectospinalis
Ped. cerebellaris sup.
Tr. parieto-occipito-temporo-pontinus
Nuc. interpedunc.
Tr. cerebrospinalis
Tr. cerebrobulbaris
Ped. cerebellaris med.
Tr. frontopontinus
Fibrae pontis trans.
Area vent. tegmenti
Dec. pontis

Plate 27

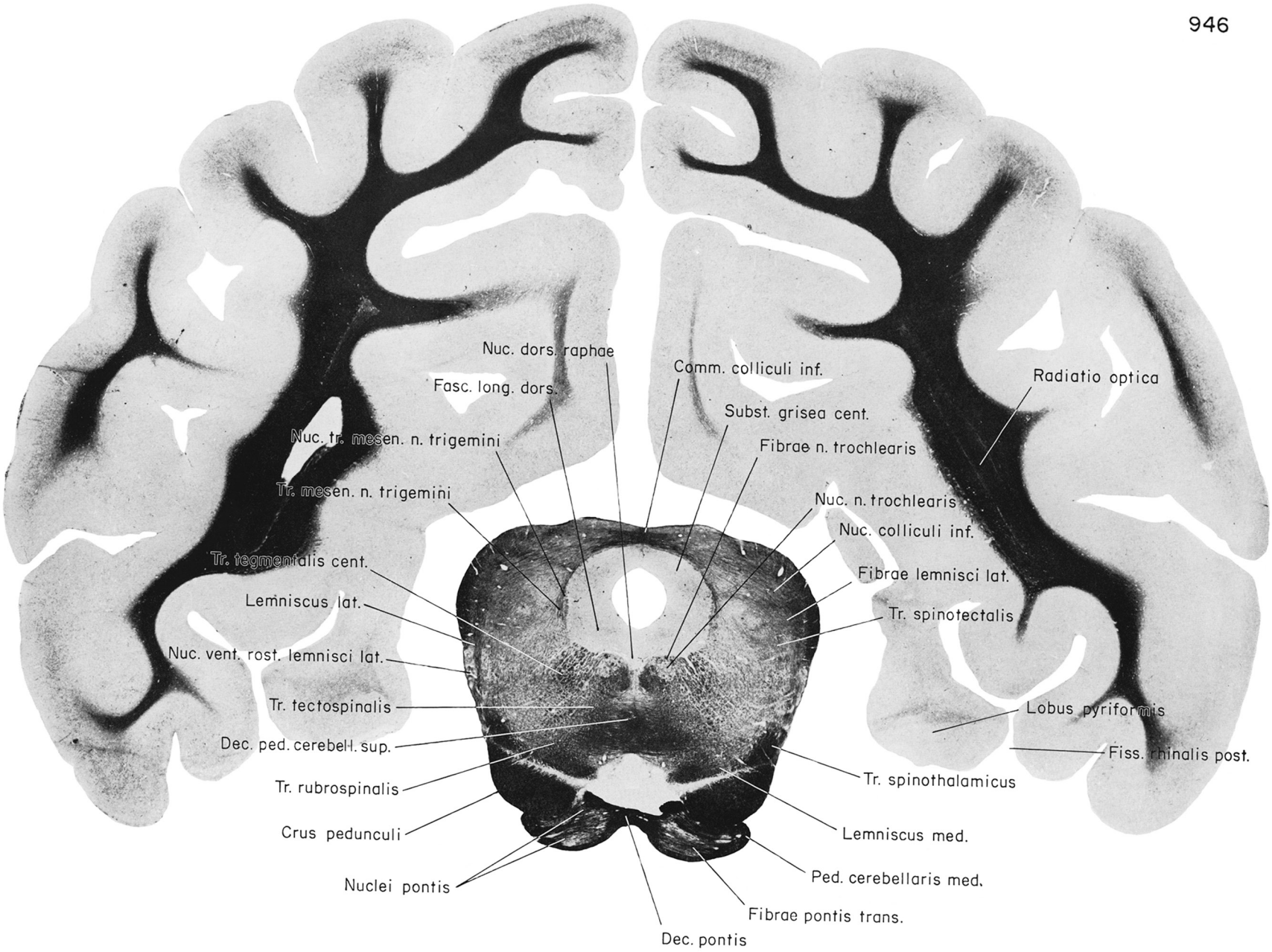

Nuc. dors. raphae
Fasc. long. dors.
Comm. colliculi inf.
Radiatio optica
Subst. grisea cent.
Nuc. tr. mesen. n. trigemini
Fibrae n. trochlearis
Tr. mesen. n. trigemini
Nuc. n. trochlearis
Nuc. colliculi inf.
Tr. tegmentalis cent.
Fibrae lemnisci lat.
Lemniscus lat.
Tr. spinotectalis
Nuc. vent. rost. lemnisci lat.
Tr. tectospinalis
Lobus pyriformis
Dec. ped. cerebell. sup.
Fiss. rhinalis post.
Tr. rubrospinalis
Tr. spinothalamicus
Crus pedunculi
Lemniscus med.
Nuclei pontis
Ped. cerebellaris med.
Fibrae pontis trans.
Dec. pontis

Plate 28

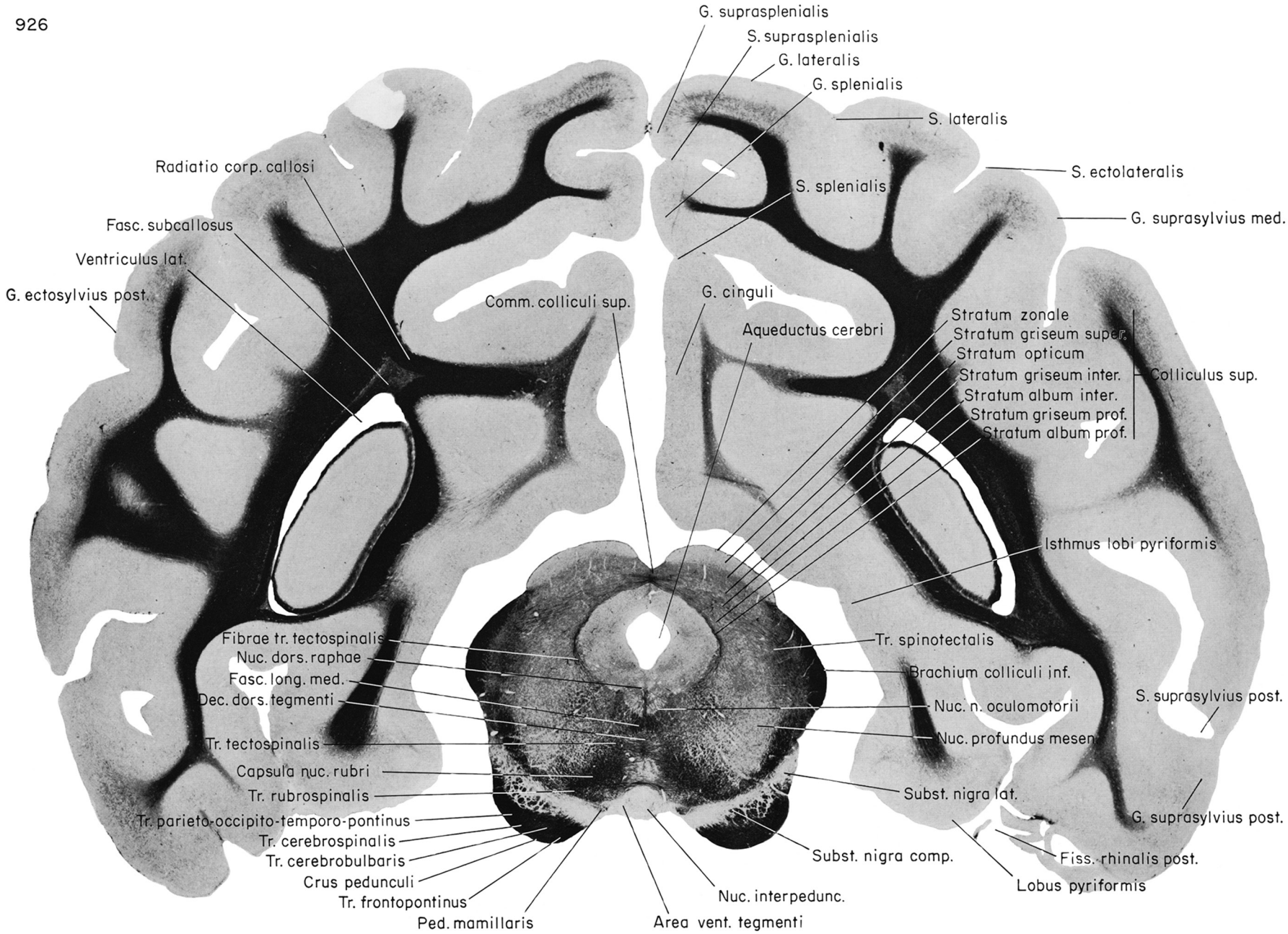

G. suprasplenialis
S. suprasplenialis
G. lateralis
G. splenialis
S. lateralis
S. ectolateralis
G. suprasylvius med.
Radiatio corp. callosi
Fasc. subcallosus
Ventriculus lat.
G. ectosylvius post.
S. splenialis
Comm. colliculi sup.
G. cinguli
Aqueductus cerebri
Stratum zonale
Stratum griseum super.
Stratum opticum
Stratum griseum inter.
Stratum album inter.
Stratum griseum prof.
Stratum album prof.
Colliculus sup.
Isthmus lobi pyriformis
Fibrae tr. tectospinalis
Nuc. dors. raphae
Fasc. long. med.
Dec. dors. tegmenti
Tr. tectospinalis
Capsula nuc. rubri
Tr. rubrospinalis
Tr. parieto-occipito-temporo-pontinus
Tr. cerebrospinalis
Tr. cerebrobulbaris
Crus pedunculi
Tr. frontopontinus
Ped. mamillaris
Area vent. tegmenti
Nuc. interpedunc.
Subst. nigra comp.
Tr. spinotectalis
Brachium colliculi inf.
Nuc. n. oculomotorii
Nuc. profundus mesen.
Subst. nigra lat.
S. suprasylvius post.
G. suprasylvius post.
Fiss. rhinalis post.
Lobus pyriformis

Plate 29

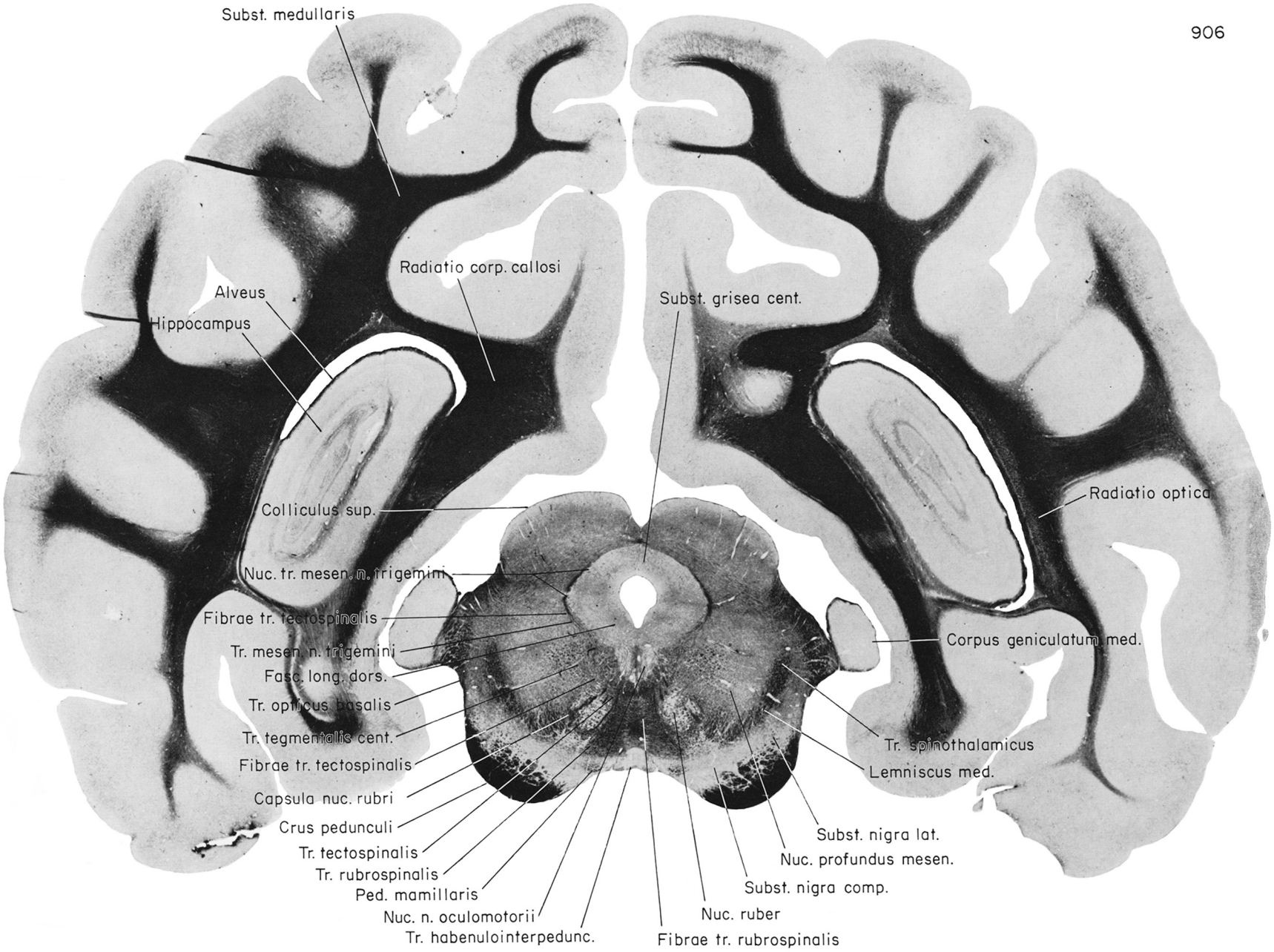

Subst. medullaris
Radiatio corp. callosi
Alveus
Hippocampus
Subst. grisea cent.
Colliculus sup.
Radiatio optica
Nuc. tr. mesen. n. trigemini
Fibrae tr. tectospinalis
Tr. mesen. n. trigemini
Fasc. long. dors.
Tr. opticus basalis
Tr. tegmentalis cent.
Fibrae tr. tectospinalis
Capsula nuc. rubri
Crus pedunculi
Tr. tectospinalis
Tr. rubrospinalis
Ped. mamillaris
Nuc. n. oculomotorii
Tr. habenulointerpedunc.
Corpus geniculatum med.
Tr. spinothalamicus
Lemniscus med.
Subst. nigra lat.
Nuc. profundus mesen.
Subst. nigra comp.
Nuc. ruber
Fibrae tr. rubrospinalis

Plate 30

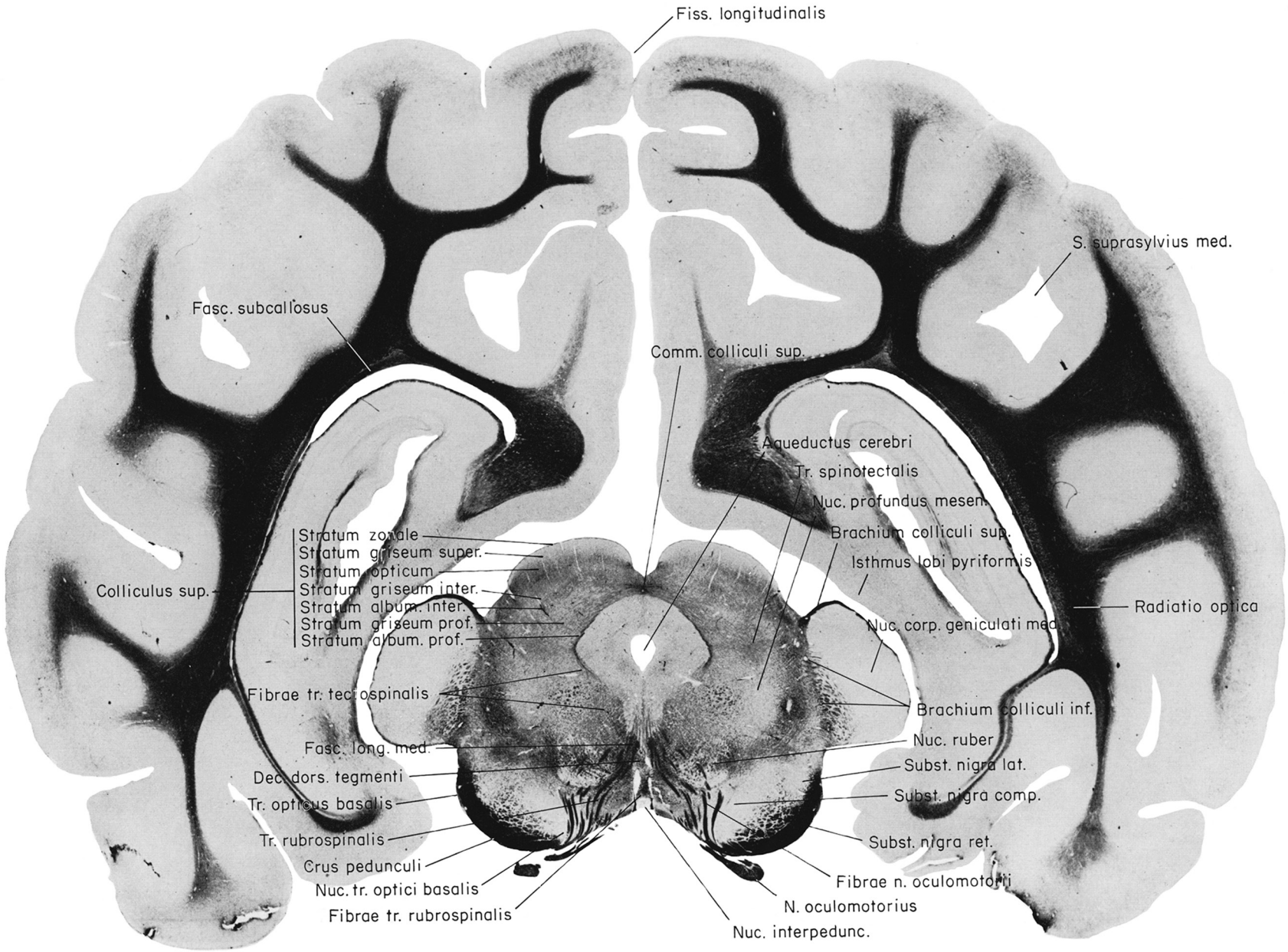

Fiss. longitudinalis
S. suprasylvius med.
Fasc. subcallosus
Comm. colliculi sup.
Aqueductus cerebri
Tr. spinotectalis
Nuc. profundus mesen.
Brachium colliculi sup.
Isthmus lobi pyriformis
Radiatio optica
Nuc. corp. geniculati med.
Colliculus sup.
Stratum zonale
Stratum griseum super.
Stratum opticum
Stratum griseum inter.
Stratum album. inter.
Stratum griseum prof.
Stratum album. prof.
Fibrae tr. tectospinalis
Brachium colliculi inf.
Nuc. ruber
Fasc. long. med.
Subst. nigra lat.
Dec. dors. tegmenti
Subst. nigra comp.
Tr. opticus basalis
Subst. nigra ret.
Tr. rubrospinalis
Fibrae n. oculomotorii
Crus pedunculi
N. oculomotorius
Nuc. tr. optici basalis
Fibrae tr. rubrospinalis
Nuc. interpedunc.

Plate 31

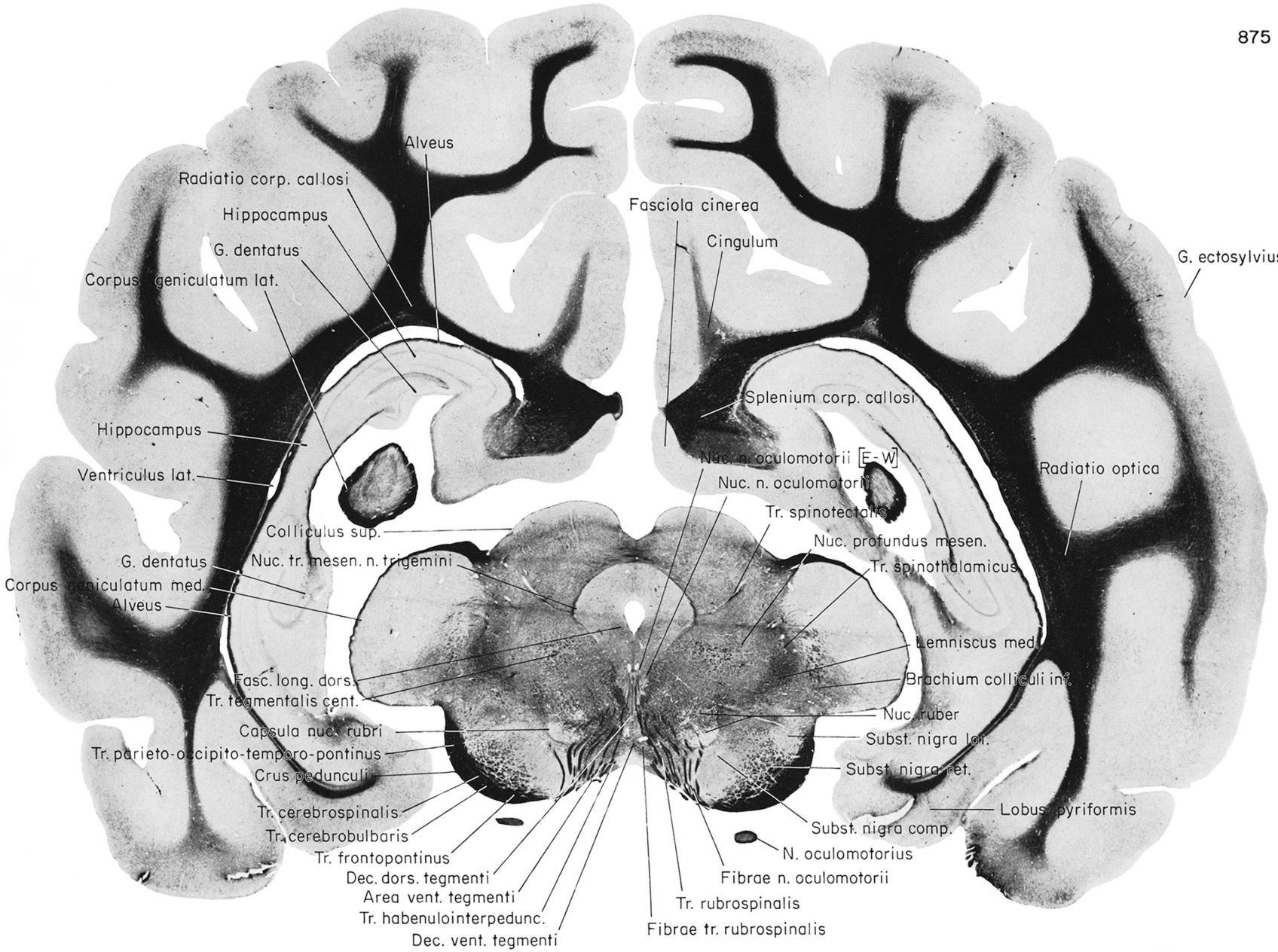

Alveus
Radiatio corp. callosi
Hippocampus
G. dentatus
Corpus geniculatum lat.
Hippocampus
Ventriculus lat.
Colliculus sup.
G. dentatus
Corpus geniculatum med.
Alveus
Nuc. tr. mesen. n. trigemini
Fasc. long. dors.
Tr. tegmentalis cent.
Capsula nucl. rubri
Tr. parieto-occipito-temporo-pontinus
Crus pedunculi
Tr. cerebrospinalis
Tr. cerebrobulbaris
Tr. frontopontinus
Dec. dors. tegmenti
Area vent. tegmenti
Tr. habenulointerpedunc.
Dec. vent. tegmenti
Fasciola cinerea
Cingulum
Splenium corp. callosi
Nuc. n. oculomotorii [E-W]
Nuc. n. oculomotorii
Tr. spinotectalis
Nuc. profundus mesen.
Tr. spinothalamicus
Lemniscus med.
Brachium colliculi inf.
Nuc. ruber
Subst. nigra lat.
Subst. nigra ret.
Subst. nigra comp.
N. oculomotorius
Fibrae n. oculomotorii
Tr. rubrospinalis
Fibrae tr. rubrospinalis
G. ectosylvius post.
Radiatio optica
Lobus pyriformis

Plate 32

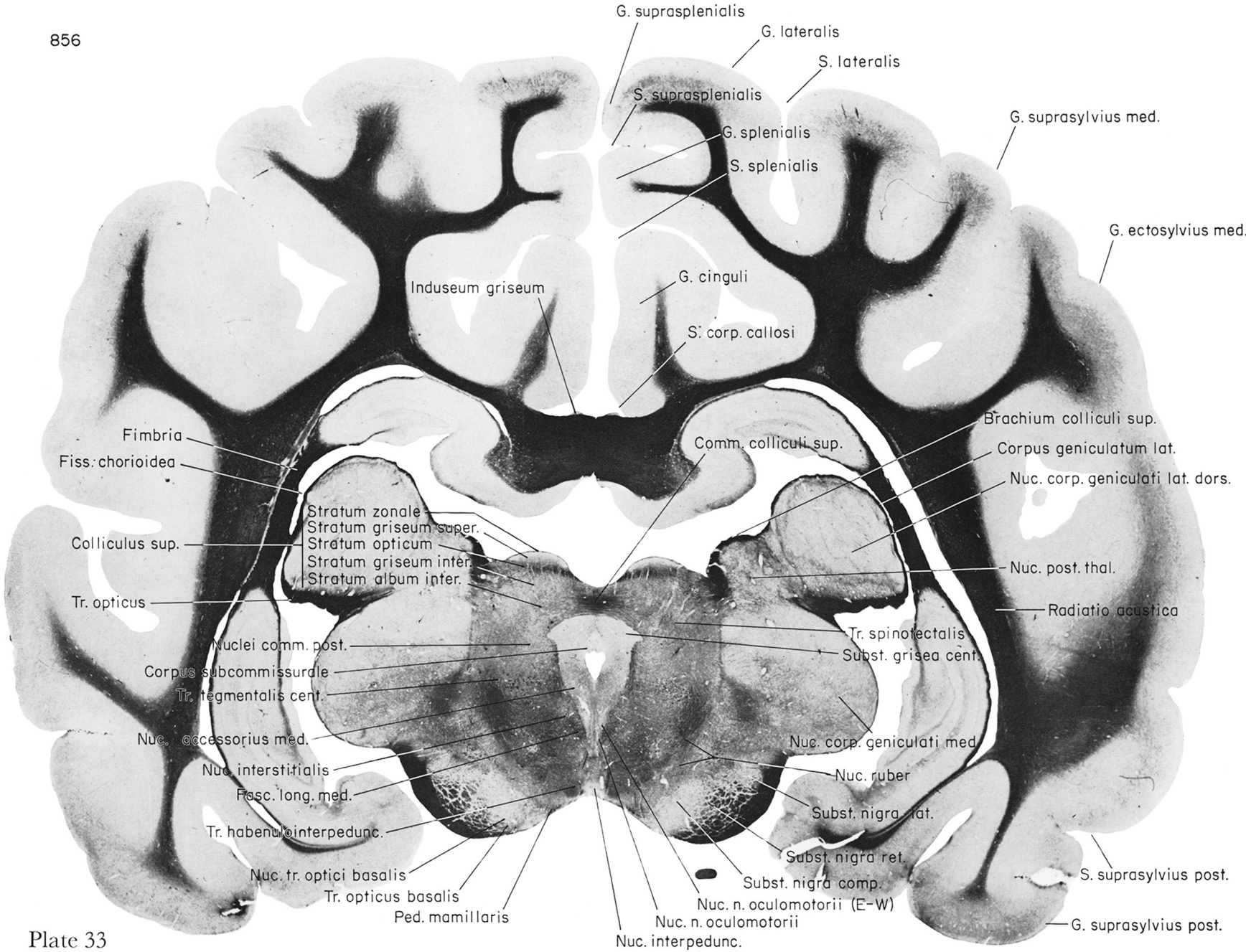

G. suprasplenialis
G. lateralis
S. lateralis
S. suprasplenialis
G. splenialis
S. splenialis
G. suprasylvius med.
G. ectosylvius med.
Induseum griseum
G. cinguli
S. corp. callosi
Fimbria
Fiss. chorioidea
Comm. colliculi sup.
Brachium colliculi sup.
Corpus geniculatum lat.
Nuc. corp. geniculati lat. dors.
Stratum zonale
Stratum griseum super.
Colliculus sup.
Stratum opticum
Stratum griseum inter.
Stratum album inter.
Nuc. post. thal.
Tr. opticus
Radiatio acustica
Tr. spinotectalis
Nuclei comm. post.
Subst. grisea cent.
Corpus subcommissurale
Tr. tegmentalis cent.
Nuc. accessorius med.
Nuc. corp. geniculati med.
Nuc. interstitialis
Nuc. ruber
Fasc. long. med.
Subst. nigra lat.
Tr. habenulointerpedunc.
Subst. nigra ret.
Nuc. tr. optici basalis
Subst. nigra comp.
S. suprasylvius post.
Tr. opticus basalis
Nuc. n. oculomotorii (E-W)
Ped. mamillaris
Nuc. n. oculomotorii
G. suprasylvius post.
Nuc. interpedunc.

Plate 33

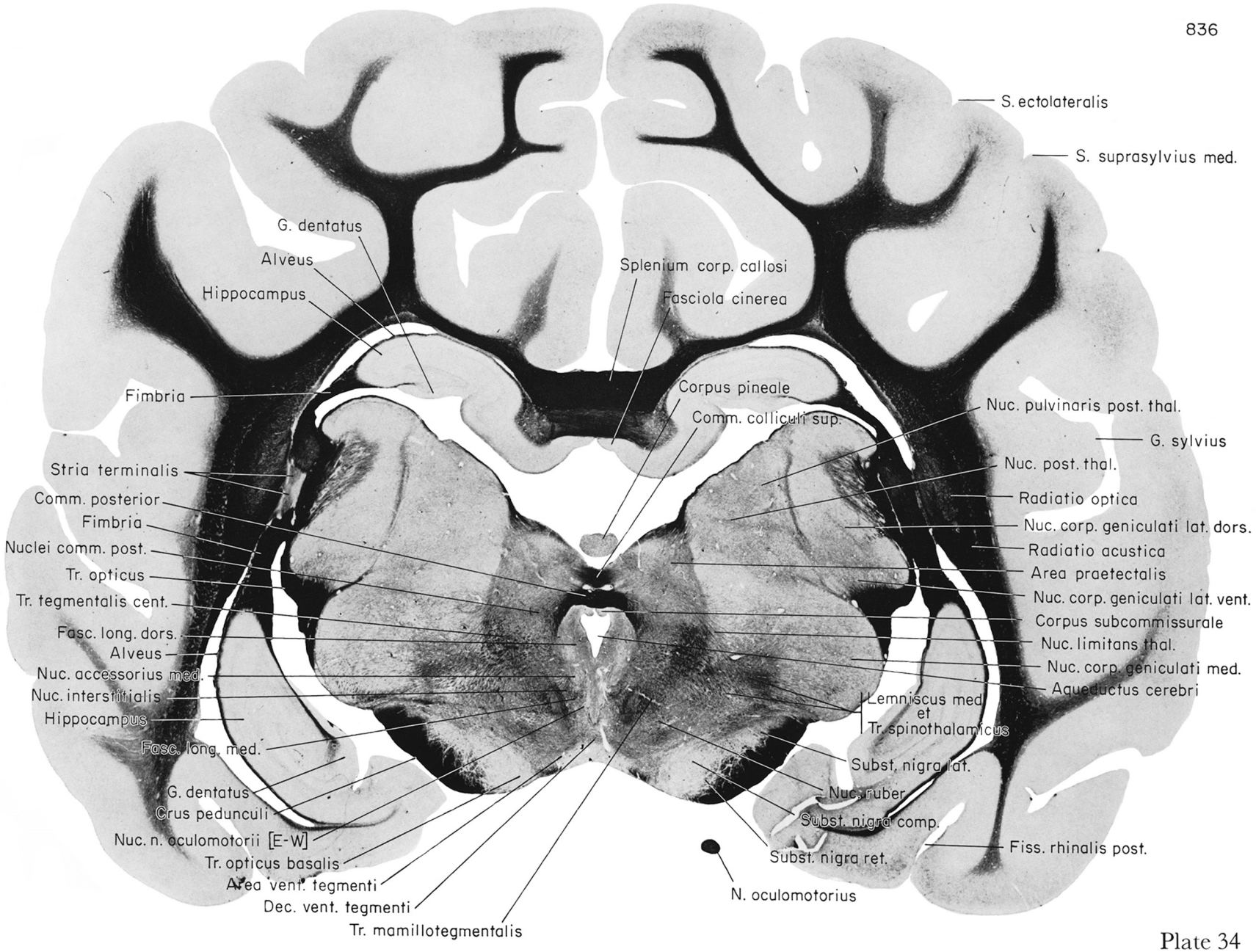

S. ectolateralis
S. suprasylvius med.
G. dentatus
Alveus
Hippocampus
Splenium corp. callosi
Fasciola cinerea
Fimbria
Corpus pineale
Comm. colliculi sup.
Nuc. pulvinaris post. thal.
G. sylvius
Stria terminalis
Nuc. post. thal.
Comm. posterior
Radiatio optica
Fimbria
Nuc. corp. geniculati lat. dors.
Nuclei comm. post.
Radiatio acustica
Tr. opticus
Area praetectalis
Tr. tegmentalis cent.
Nuc. corp. geniculati lat. vent.
Fasc. long. dors.
Corpus subcommissurale
Alveus
Nuc. limitans thal.
Nuc. accessorius med.
Nuc. corp. geniculati med.
Nuc. interstitialis
Aqueductus cerebri
Hippocampus
Lemniscus med. et Tr. spinothalamicus
Fasc. long. med.
Subst. nigra lat.
G. dentatus
Nuc. ruber
Crus pedunculi
Subst. nigra comp.
Nuc. n. oculomotorii [E-W]
Fiss. rhinalis post.
Tr. opticus basalis
Subst. nigra ret.
Area vent. tegmenti
N. oculomotorius
Dec. vent. tegmenti
Tr. mamillotegmentalis

Plate 34

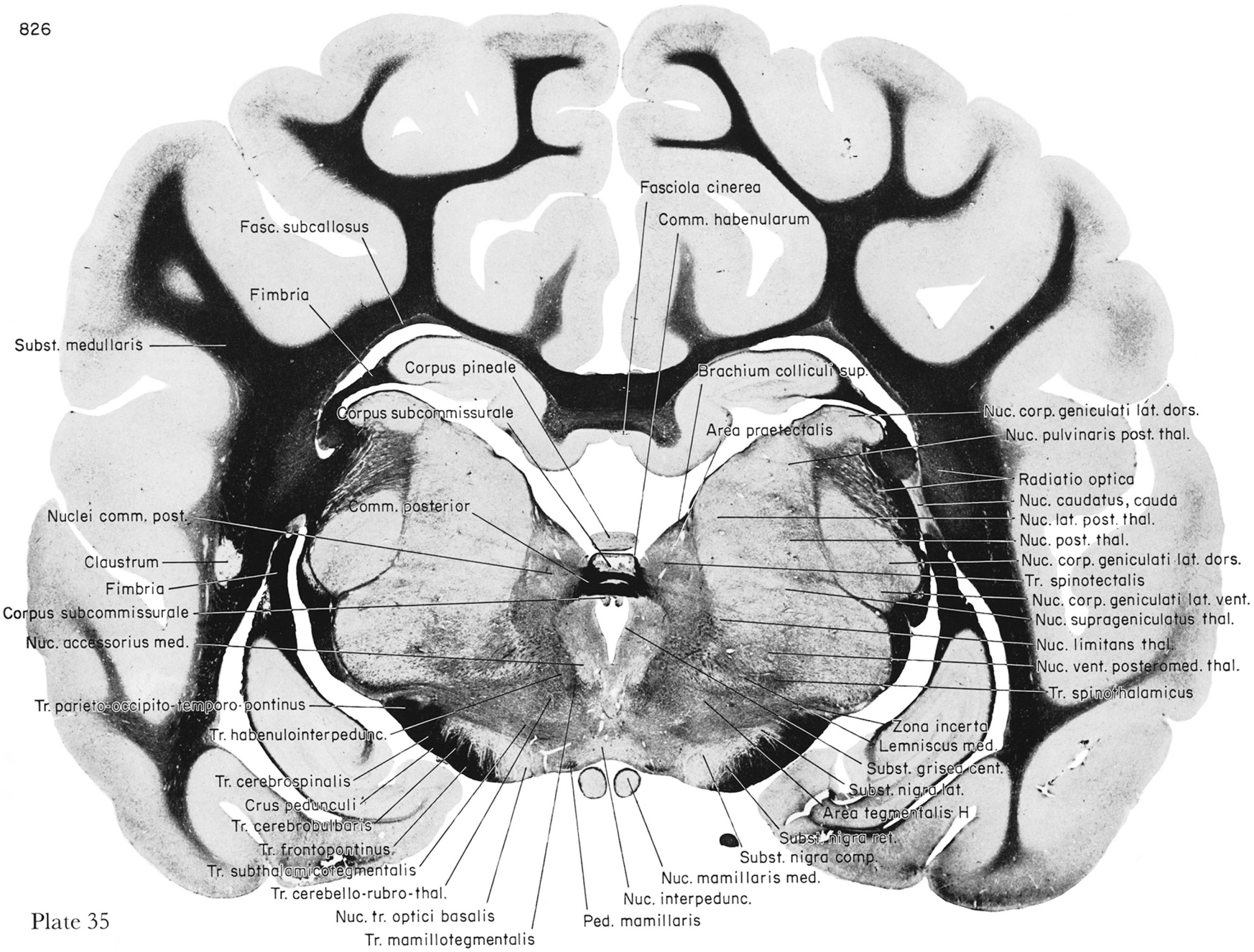

Fasciola cinerea
Comm. habenularum
Fasc. subcallosus
Fimbria
Subst. medullaris
Corpus pineale
Brachium colliculi sup.
Corpus subcommissurale
Area praetectalis
Nuc. corp. geniculati lat. dors.
Nuc. pulvinaris post. thal.
Radiatio optica
Nuc. caudatus, caudà
Comm. posterior
Nuclei comm. post.
Nuc. lat. post. thal.
Nuc. post. thal.
Claustrum
Nuc. corp. geniculati lat. dors.
Fimbria
Tr. spinotectalis
Nuc. corp. geniculati lat. vent.
Corpus subcommissurale
Nuc. supragenicularis thal.
Nuc. accessorius med.
Nuc. limitans thal.
Nuc. vent. posteromed. thal.
Tr. spinothalamicus
Tr. parieto-occipito-temporo-pontinus
Zona incerta
Tr. habenulointerpedunc.
Lemniscus med.
Subst. grisea cent.
Tr. cerebrospinalis
Subst. nigra lat.
Crus pedunculi
Area tegmentalis H
Tr. cerebrobulbaris
Subst. nigra ret.
Tr. frontopontinus
Subst. nigra comp.
Tr. subthalamicotegmentalis
Nuc. mamillaris med.
Tr. cerebello-rubro-thal.
Nuc. interpedunc.
Nuc. tr. optici basalis
Ped. mamillaris
Tr. mamillotegmentalis

Plate 35

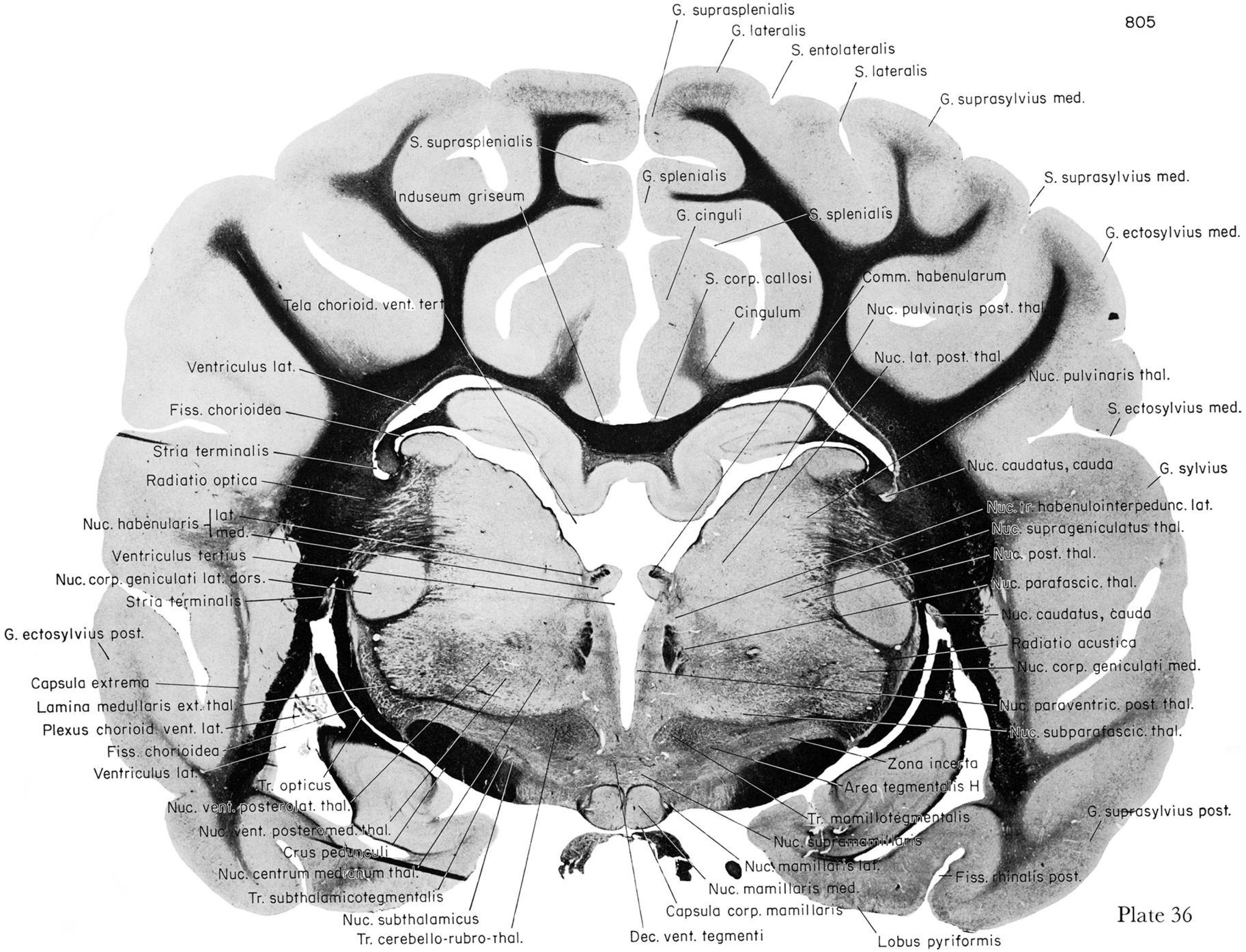

G. suprasplenialis
G. lateralis
S. entolateralis
S. lateralis
G. suprasylvius med.
S. suprasplenialis
G. splenialis
Induseum griseum
S. suprasylvius med.
G. cinguli
S. splenialis
G. ectosylvius med.
S. corp. callosi
Comm. habenularum
Tela chorioid. vent. tert.
Cingulum
Nuc. pulvinaris post. thal.
Nuc. lat. post. thal.
Ventriculus lat.
Nuc. pulvinaris thal.
Fiss. chorioidea
S. ectosylvius med.
Stria terminalis
Nuc. caudatus, cauda
G. sylvius
Radiatio optica
Nuc. habenularis lat.
med.
Nuc. tr. habenulointerpedunc. lat.
Nuc. suprageniculatus thal.
Ventriculus tertius
Nuc. post. thal.
Nuc. corp. geniculati lat. dors.
Nuc. parafascic. thal.
Stria terminalis
Nuc. caudatus, cauda
G. ectosylvius post.
Radiatio acustica
Capsula extrema
Nuc. corp. geniculati med.
Lamina medullaris ext. thal.
Nuc. paraventric. post. thal.
Plexus chorioid. vent. lat.
Nuc. subparafascic. thal.
Fiss. chorioidea
Zona incerta
Ventriculus lat.
Tr. opticus
Area tegmentalis H
Nuc. vent. posterolat. thal.
Tr. mamillotegmentalis
G. suprasylvius post.
Nuc. vent. posteromed. thal.
Nuc. supramamillaris
Crus pedunculi
Nuc. mamillaris lat.
Nuc. centrum medianum thal.
Fiss. rhinalis post.
Nuc. mamillaris med.
Tr. subthalamicotegmentalis
Capsula corp. mamillaris
Nuc. subthalamicus
Tr. cerebello-rubro-thal.
Dec. vent. tegmenti
Lobus pyriformis

Plate 36

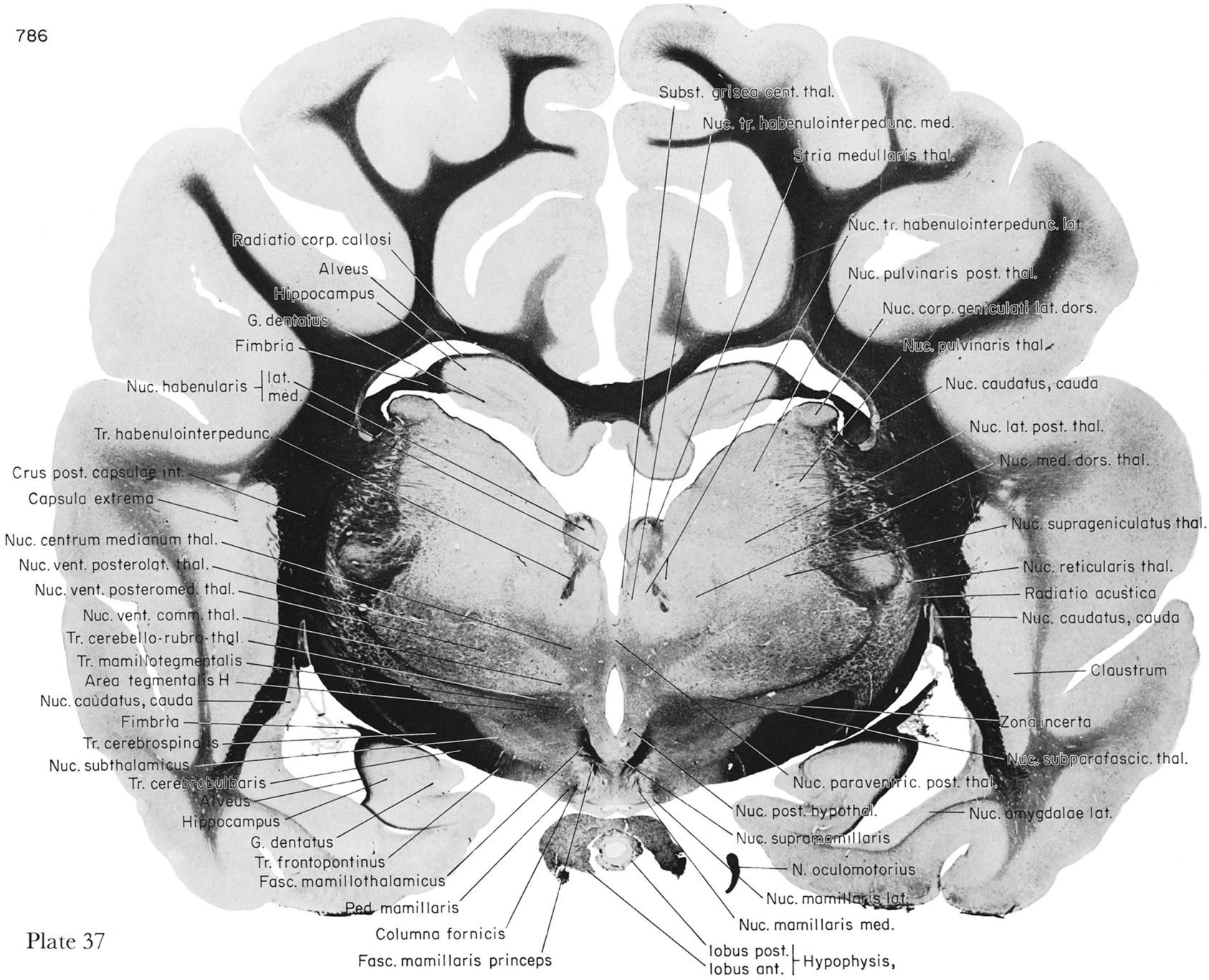

Subst. grisea cent. thal.
Nuc. tr. habenulointerpedunc. med.
Stria medullaris thal.
Nuc. tr. habenulointerpedunc. lat.
Nuc. pulvinaris post. thal.
Nuc. corp. geniculati lat. dors.
Nuc. pulvinaris thal.
Nuc. caudatus, cauda
Nuc. lat. post. thal.
Nuc. med. dors. thal.
Nuc. suprageniculatus thal.
Nuc. reticularis thal.
Radiatio acustica
Nuc. caudatus, cauda
Claustrum
Zona incerta
Nuc. subparafascic. thal.
Nuc. paraventric. post. thal.
Nuc. post. hypothal.
Nuc. amygdalae lat.
Nuc. supramamillaris
N. oculomotorius
Nuc. mamillaris lat.
Nuc. mamillaris med.
lobus post.
lobus ant.
Hypophysis,
Radiatio corp. callosi
Alveus
Hippocampus
G. dentatus
Fimbria
Nuc. habenularis
lat.
med.
Tr. habenulointerpedunc.
Crus post. capsulae int.
Capsula extrema
Nuc. centrum medianum thal.
Nuc. vent. posterolat. thal.
Nuc. vent. posteromed. thal.
Nuc. vent. comm. thal.
Tr. cerebello-rubro-thal.
Tr. mamillotegmentalis
Area tegmentalis H
Nuc. caudatus, cauda
Fimbria
Tr. cerebrospinalis
Nuc. subthalamicus
Tr. cerebrobulbaris
Alveus
Hippocampus
G. dentatus
Tr. frontopontinus
Fasc. mamillothalamicus
Ped. mamillaris
Columna fornicis
Fasc. mamillaris princeps

Plate 37

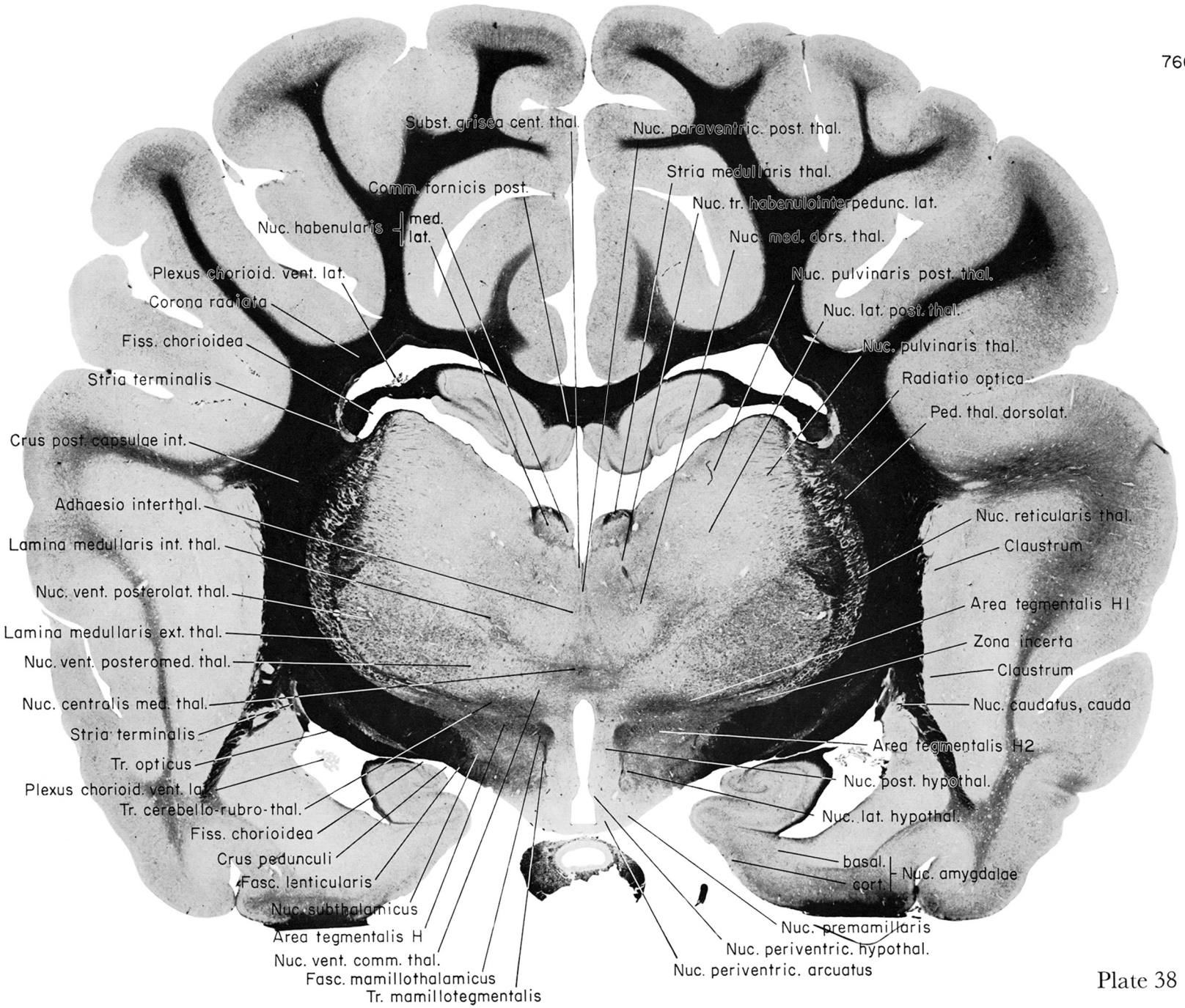

Subst. grisea cent. thal.
Comm. fornicis post.
Nuc. habenularis med.
lat.
Plexus chorioid. vent. lat.
Corona radiata
Fiss. chorioidea
Stria terminalis
Crus post. capsulae int.
Adhaesio interthal.
Lamina medullaris int. thal.
Nuc. vent. posterolat. thal.
Lamina medullaris ext. thal.
Nuc. vent. posteromed. thal.
Nuc. centralis med. thal.
Stria terminalis
Tr. opticus
Plexus chorioid. vent. lat.
Tr. cerebello-rubro-thal.
Fiss. chorioidea
Crus pedunculi
Fasc. lenticularis
Nuc. subthalamicus
Area tegmentalis H
Nuc. vent. comm. thal.
Fasc. mamillothalamicus
Tr. mamillotegmentalis
Nuc. paraventric. post. thal.
Stria medullaris thal.
Nuc. tr. habenulointerpedunc. lat.
Nuc. med. dors. thal.
Nuc. pulvinaris post. thal.
Nuc. lat. post. thal.
Nuc. pulvinaris thal.
Radiatio optica
Ped. thal. dorsolat.
Nuc. reticularis thal.
Claustrum
Area tegmentalis H1
Zona incerta
Claustrum
Nuc. caudatus, cauda
Area tegmentalis H2
Nuc. post. hypothal.
Nuc. lat. hypothal.
basal.
cort.
Nuc. amygdalae
Nuc. premamillaris
Nuc. periventric. hypothal.
Nuc. periventric. arcuatus

Plate 38

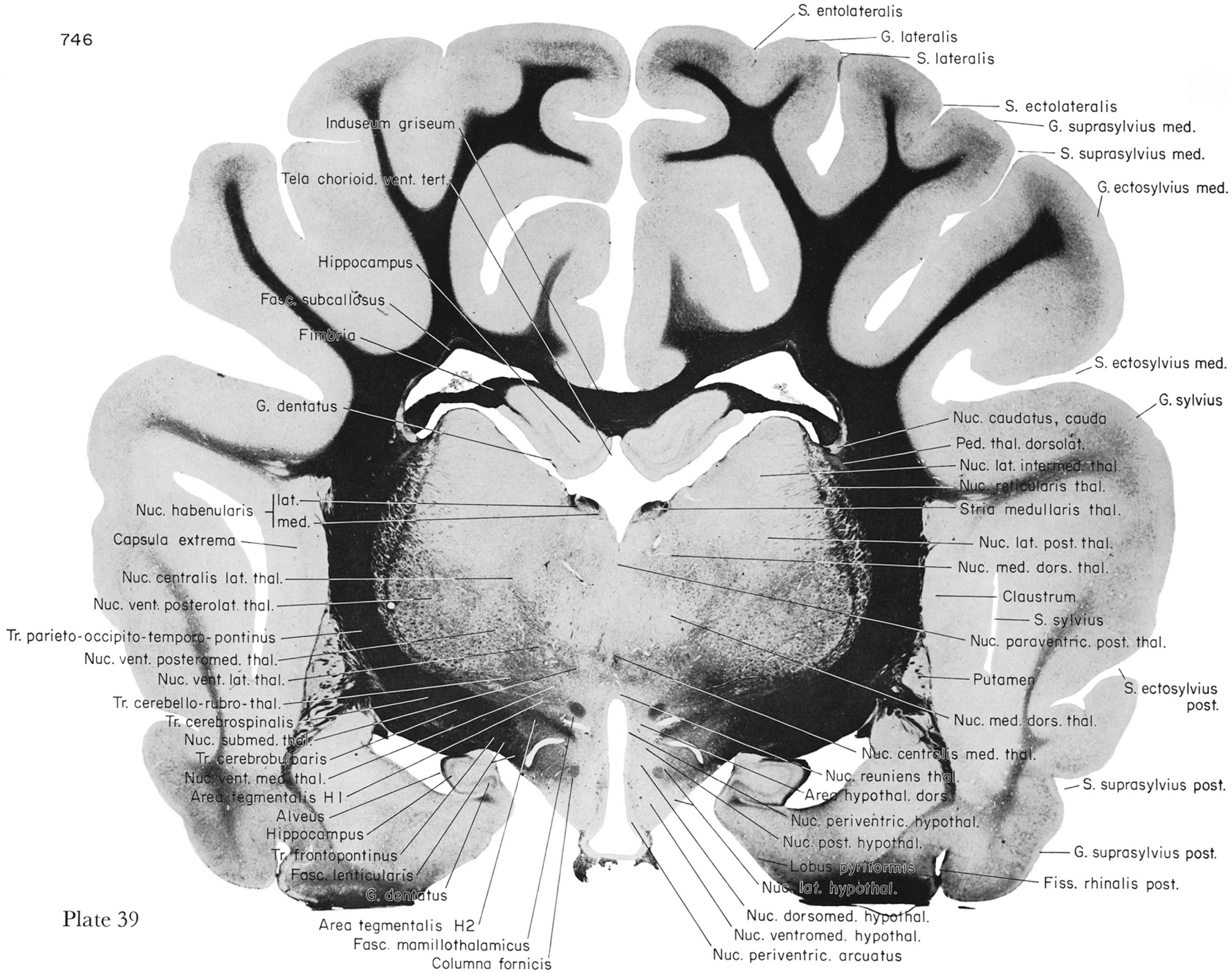

S. entolateralis
G. lateralis
S. lateralis
S. ectolateralis
G. suprasylvius med.
S. suprasylvius med.
G. ectosylvius med.
Induseum griseum
Tela chorioid. vent. tert.
Hippocampus
Fasc. subcallosus
Fimbria
G. dentatus
S. ectosylvius med.
G. sylvius
Nuc. caudatus, cauda
Ped. thal. dorsolat.
Nuc. lat. intermed. thal.
Nuc. reticularis thal.
Stria medullaris thal.
Nuc. habenularis lat.
Nuc. habenularis med.
Capsula extrema
Nuc. lat. post. thal.
Nuc. med. dors. thal.
Nuc. centralis lat. thal.
Nuc. vent. posterolat. thal.
Claustrum
S. sylvius
Tr. parieto-occipito-temporo-pontinus
Nuc. paraventric. post. thal.
Nuc. vent. posteromed. thal.
Nuc. vent. lat. thal.
Putamen
S. ectosylvius post.
Tr. cerebello-rubro-thal.
Tr. cerebrospinalis
Nuc. med. dors. thal.
Nuc. submed. thal.
Nuc. centralis med. thal.
Tr. cerebrobulbaris
Nuc. reuniens thal.
Nuc. vent. med. thal.
Area hypothal. dors.
S. suprasylvius post.
Area tegmentalis H1
Nuc. periventric. hypothal.
Alveus
Nuc. post. hypothal.
Hippocampus
G. suprasylvius post.
Tr. frontopontinus
Lobus pyriformis
Fasc. lenticularis
Fiss. rhinalis post.
G. dentatus
Nuc. lat. hypothal.
Area tegmentalis H2
Nuc. dorsomed. hypothal.
Fasc. mamillothalamicus
Nuc. ventromed. hypothal.
Columna fornicis
Nuc. periventric. arcuatus

Plate 39

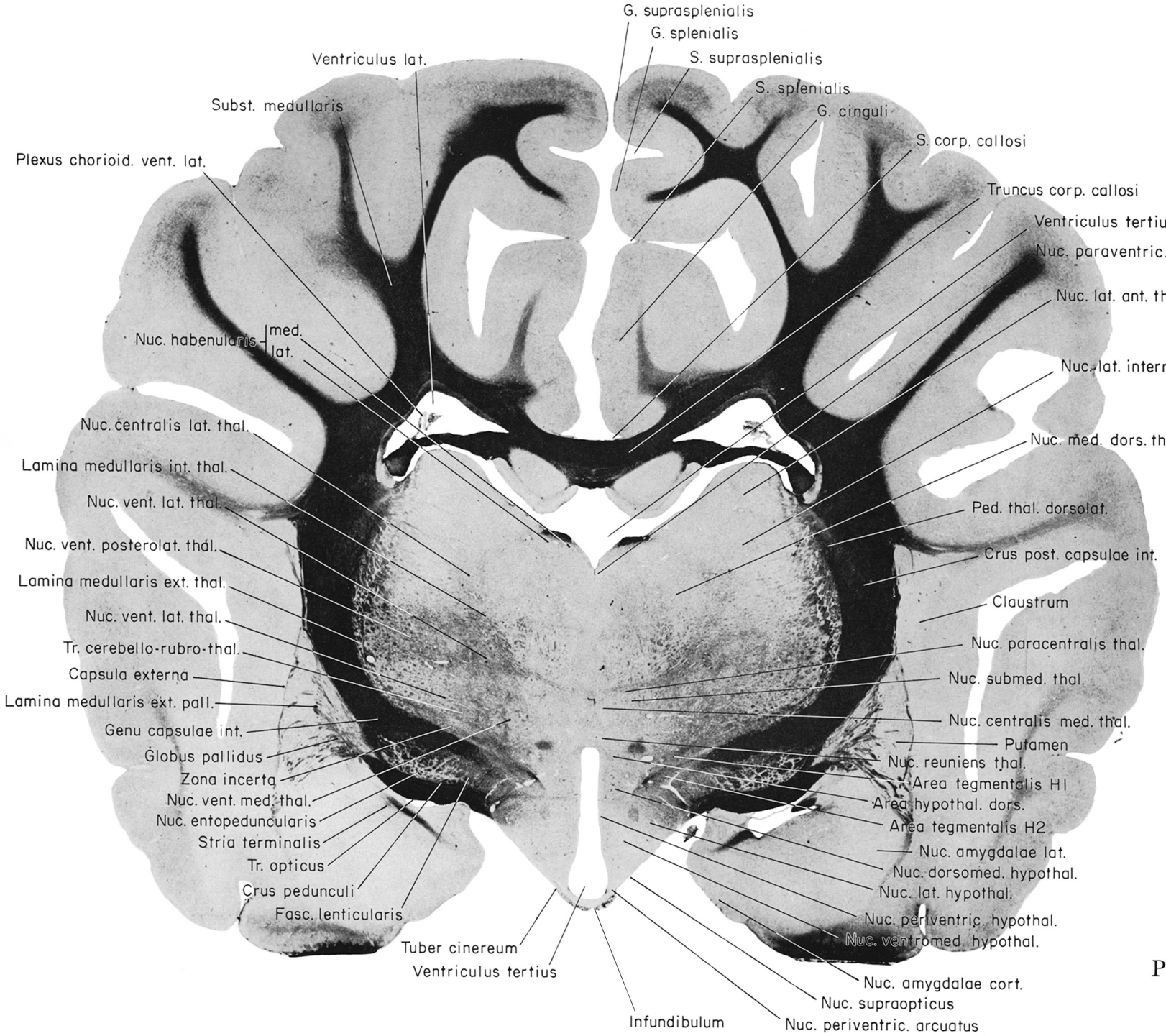

G. suprasplenialis
G. splenialis
S. suprasplenialis
S. splenialis
G. cinguli
S. corp. callosi
Truncus corp. callosi
Ventriculus tertius
Nuc. paraventric. ant. thal.
Nuc. lat. ant. thal.
Nuc. lat. intermed. thal.
Nuc. med. dors. thal.
Ped. thal. dorsolat.
Crus post. capsulae int.
Claustrum
Nuc. paracentralis thal.
Nuc. submed. thal.
Nuc. centralis med. thal.
Putamen
Nuc. reuniens thal.
Area tegmentalis H1
Area hypothal. dors.
Area tegmentalis H2
Nuc. amygdalae lat.
Nuc. dorsomed. hypothal.
Nuc. lat. hypothal.
Nuc. periventric. hypothal.
Nuc. ventromed. hypothal.
Nuc. amygdalae cort.
Nuc. supraopticus
Nuc. periventric. arcuatus
Infundibulum
Tuber cinereum
Ventriculus tertius
Fasc. lenticularis
Crus pedunculi
Tr. opticus
Stria terminalis
Nuc. entopeduncularis
Nuc. vent. med. thal.
Zona incerta
Globus pallidus
Genu capsulae int.
Lamina medullaris ext. pall.
Capsula externa
Tr. cerebello-rubro-thal.
Nuc. vent. lat. thal.
Lamina medullaris ext. thal.
Nuc. vent. posterolat. thal.
Nuc. vent. lat. thal.
Lamina medullaris int. thal.
Nuc. centralis lat. thal.
Nuc. habenularis med. lat.
Plexus chorioid. vent. lat.
Subst. medullaris
Ventriculus lat.

Plate 40

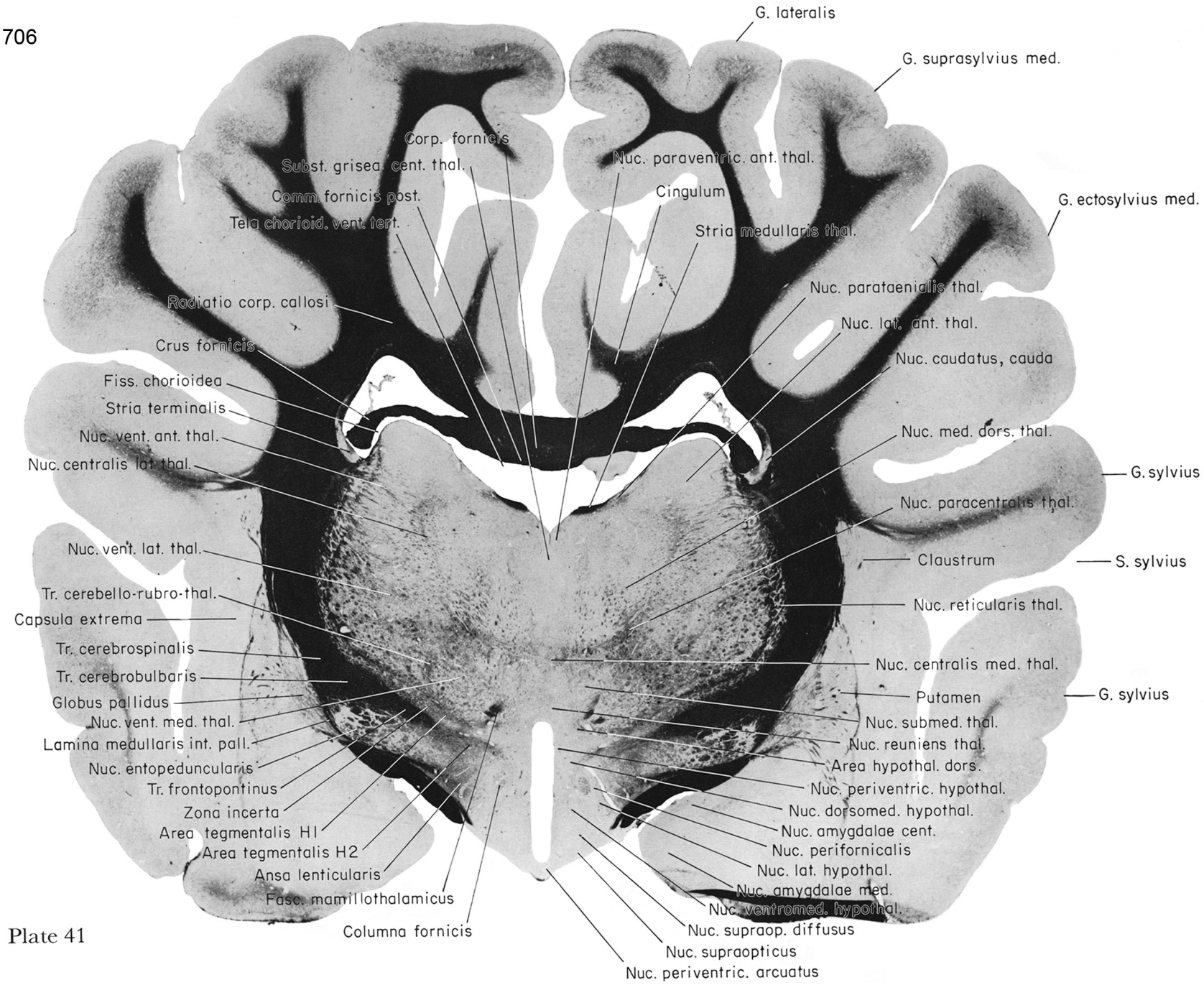

G. lateralis
G. suprasylvius med.
Corp. fornicis
Subst. grisea cent. thal.
Comm. fornicis post.
Tela chorioid. vent. tert.
Nuc. paraventric. ant. thal.
Cingulum
Stria medullaris thal.
G. ectosylvius med.
Radiatio corp. callosi
Crus fornicis
Fiss. chorioidea
Stria terminalis
Nuc. vent. ant. thal.
Nuc. centralis lat. thal.
Nuc. parataenialis thal.
Nuc. lat. ant. thal.
Nuc. caudatus, cauda
Nuc. med. dors. thal.
G. sylvius
Nuc. paracentralis thal.
Nuc. vent. lat. thal.
Claustrum
S. sylvius
Tr. cerebello-rubro-thal.
Capsula extrema
Nuc. reticularis thal.
Tr. cerebrospinalis
Tr. cerebrobulbaris
Nuc. centralis med. thal.
Globus pallidus
Putamen
G. sylvius
Nuc. vent. med. thal.
Lamina medullaris int. pall.
Nuc. submed. thal.
Nuc. reuniens thal.
Nuc. entopeduncularis
Area hypothal. dors.
Tr. frontopontinus
Nuc. periventric. hypothal.
Zona incerta
Nuc. dorsomed. hypothal.
Area tegmentalis H1
Nuc. amygdalae cent.
Area tegmentalis H2
Nuc. perifornicalis
Ansa lenticularis
Nuc. lat. hypothal.
Fasc. mamillothalamicus
Nuc. amygdalae med.
Nuc. ventromed. hypothal.
Columna fornicis
Nuc. supraop. diffusus
Nuc. supraopticus
Nuc. periventric. arcuatus

Plate 41

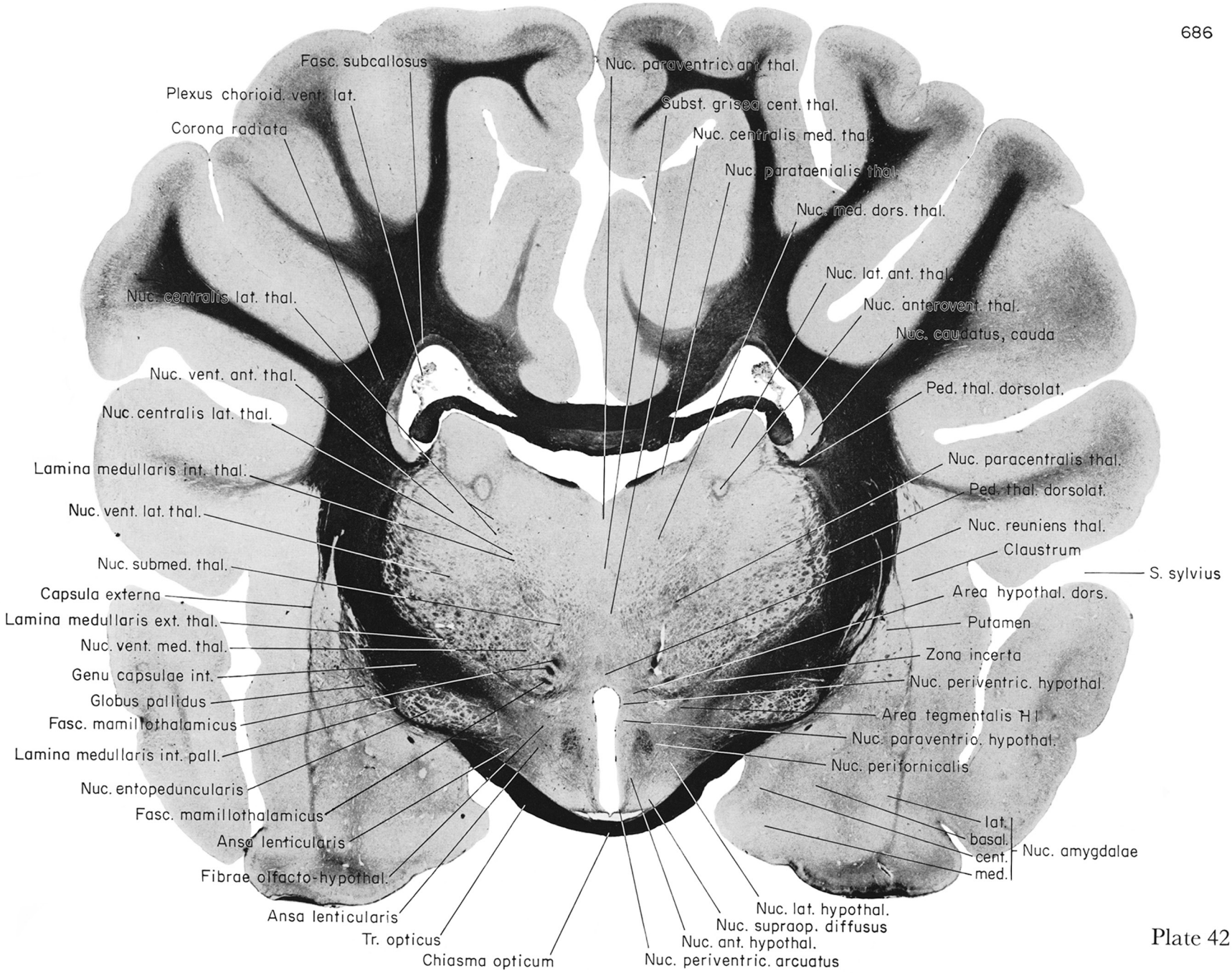

Fasc. subcallosus
Plexus chorioid. vent. lat.
Corona radiata
Nuc. centralis lat. thal.
Nuc. vent. ant. thal.
Nuc. centralis lat. thal.
Lamina medullaris int. thal.
Nuc. vent. lat. thal.
Nuc. submed. thal.
Capsula externa
Lamina medullaris ext. thal.
Nuc. vent. med. thal.
Genu capsulae int.
Globus pallidus
Fasc. mamillothalamicus
Lamina medullaris int. pall.
Nuc. entopeduncularis
Fasc. mamillothalamicus
Ansa lenticularis
Fibrae olfacto-hypothal.
Ansa lenticularis
Tr. opticus
Chiasma opticum
Nuc. paraventric. ant. thal.
Subst. grisea cent. thal.
Nuc. centralis med. thal.
Nuc. parataenialis thal.
Nuc. med. dors. thal.
Nuc. lat. ant. thal.
Nuc. anterovent. thal.
Nuc. caudatus, cauda
Ped. thal. dorsolat.
Nuc. paracentralis thal.
Ped. thal. dorsolat.
Nuc. reuniens thal.
Claustrum
S. sylvius
Area hypothal. dors.
Putamen
Zona incerta
Nuc. periventric. hypothal.
Area tegmentalis H
Nuc. paraventric. hypothal.
Nuc. peritornicalis
lat.
basal.
cent.
med.
Nuc. amygdalae
Nuc. lat. hypothal.
Nuc. supraop. diffusus
Nuc. ant. hypothal.
Nuc. periventric. arcuatus

Plate 42

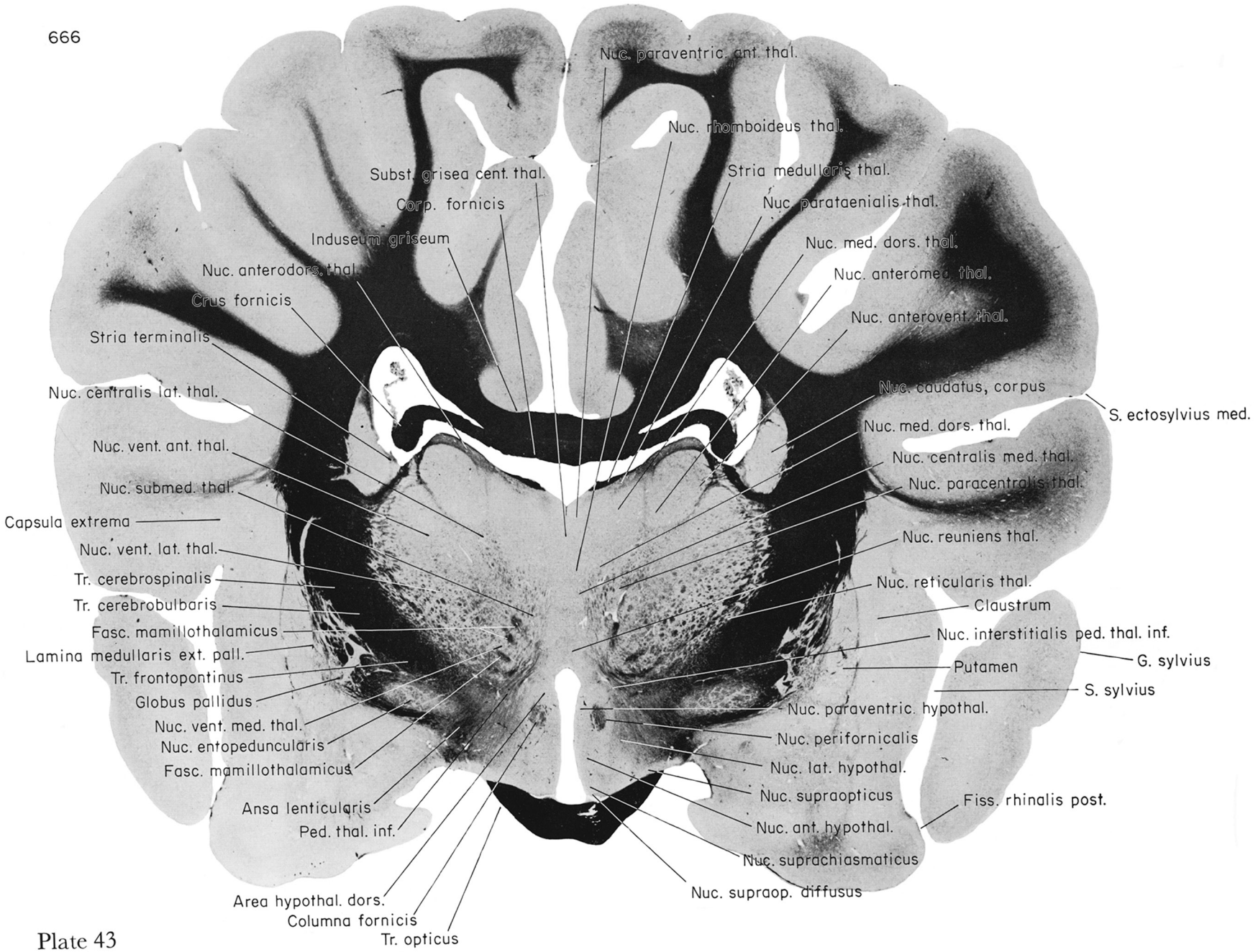

Nuc. paraventric. ant. thal.
Nuc. rhomboideus thal.
Subst. grisea cent. thal.
Stria medullaris thal.
Corp. fornicis
Nuc. parataenialis thal.
Induseum griseum
Nuc. med. dors. thal.
Nuc. anterodors. thal.
Nuc. anteromed. thal.
Crus fornicis
Nuc. anterovent. thal.
Stria terminalis
Nuc. caudatus, corpus
S. ectosylvius med.
Nuc. centralis lat. thal.
Nuc. med. dors. thal.
Nuc. vent. ant. thal.
Nuc. centralis med. thal.
Nuc. submed. thal.
Nuc. paracentralis thal.
Capsula extrema
Nuc. reuniens thal.
Nuc. vent. lat. thal.
Tr. cerebrospinalis
Nuc. reticularis thal.
Tr. cerebrobulbaris
Claustrum
Fasc. mamillothalamicus
Nuc. interstitialis ped. thal. inf.
Lamina medullaris ext. pall.
G. sylvius
Tr. frontopontinus
Putamen
Globus pallidus
S. sylvius
Nuc. paraventric. hypothal.
Nuc. vent. med. thal.
Nuc. perifornicalis
Nuc. entopeduncularis
Nuc. lat. hypothal.
Fasc. mamillothalamicus
Nuc. supraopticus
Fiss. rhinalis post.
Ansa lenticularis
Nuc. ant. hypothal.
Ped. thal. inf.
Nuc. suprachiasmaticus
Nuc. supraop. diffusus
Area hypothal. dors.
Columna fornicis
Tr. opticus

Plate 43

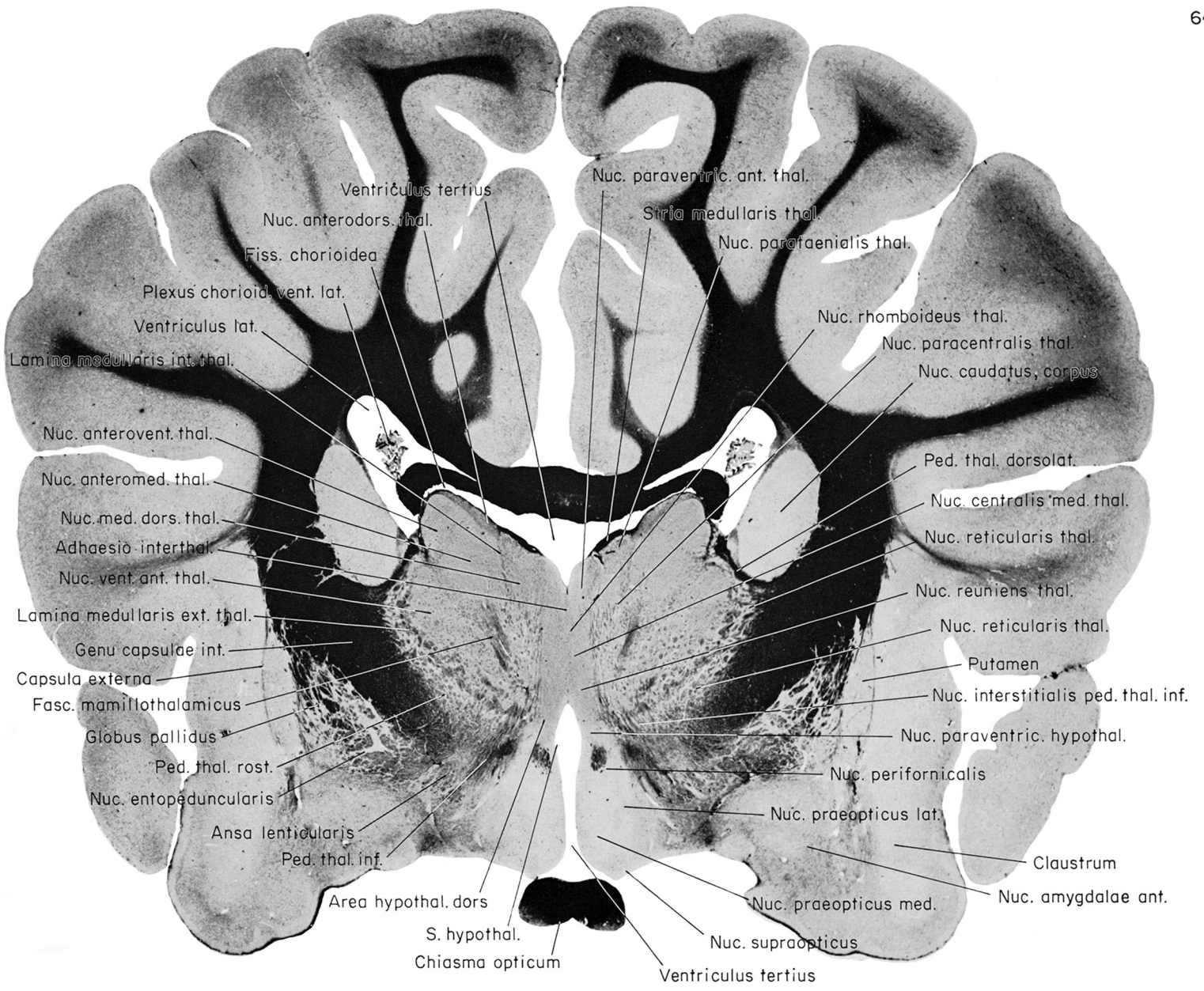

Ventriculus tertius
Nuc. anterodors. thal.
Fiss. chorioidea
Plexus chorioid. vent. lat.
Ventriculus lat.
Lamina medullaris int. thal.
Nuc. anterovent. thal.
Nuc. anteromed. thal.
Nuc. med. dors. thal.
Adhaesio interthal.
Nuc. vent. ant. thal.
Lamina medullaris ext. thal.
Genu capsulae int.
Capsula externa
Fasc. mamillothalamicus
Globus pallidus
Ped. thal. rost.
Nuc. entopeduncularis
Ansa lenticularis
Ped. thal. inf.
Area hypothal. dors
S. hypothal.
Chiasma opticum
Nuc. paraventric. ant. thal.
Stria medullaris thal.
Nuc. parataenialis thal.
Nuc. rhomboideus thal.
Nuc. paracentralis thal.
Nuc. caudatus, corpus
Ped. thal. dorsolat.
Nuc. centralis med. thal.
Nuc. reticularis thal.
Nuc. reuniens thal.
Nuc. reticularis thal.
Putamen
Nuc. interstitialis ped. thal. inf.
Nuc. paraventric. hypothal.
Nuc. perifornicalis
Nuc. praeopticus lat.
Claustrum
Nuc. amygdalae ant.
Nuc. praeopticus med.
Nuc. supraopticus
Ventriculus tertius

Plate 44

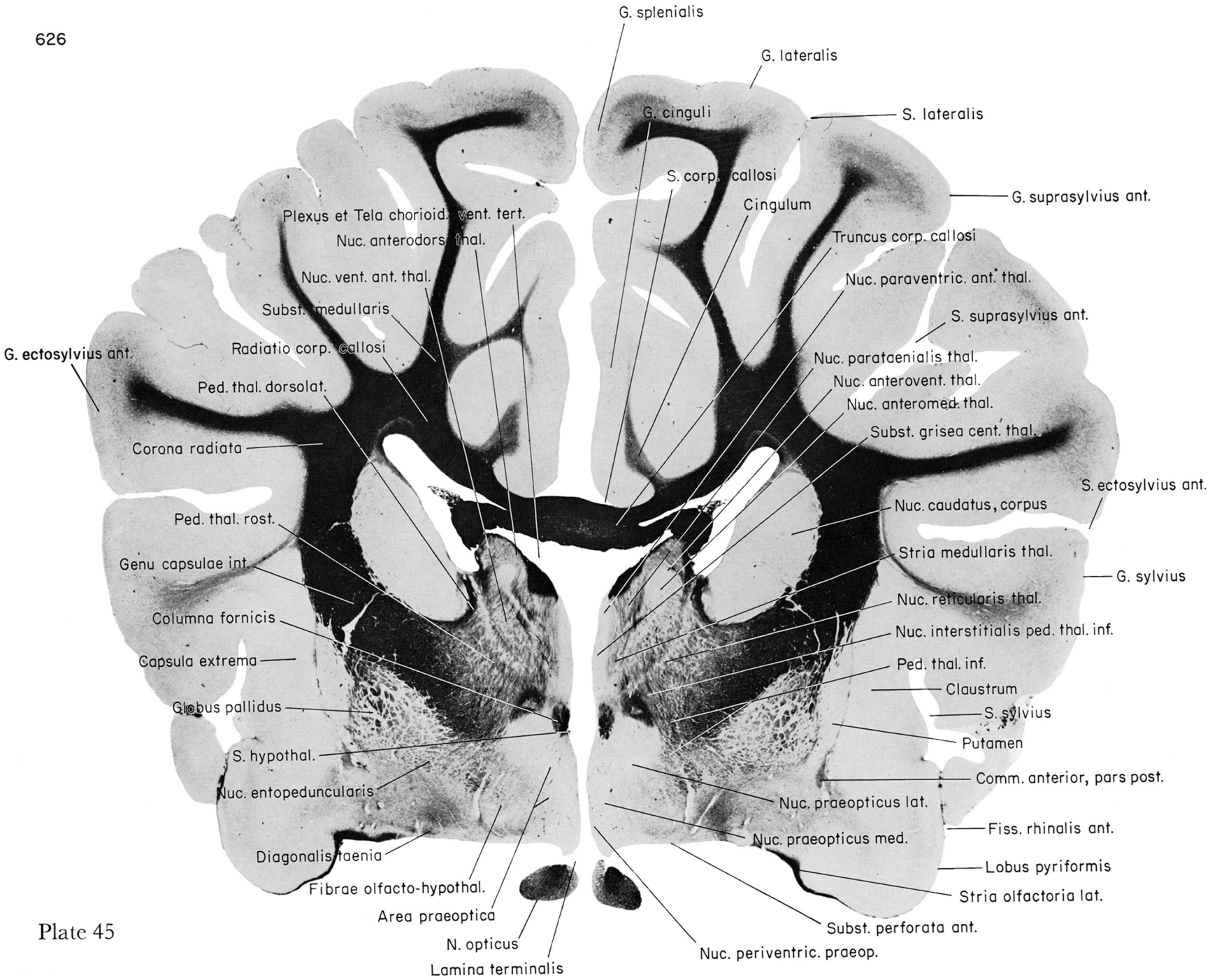

G. splenialis
G. lateralis
G. cinguli
S. lateralis
S. corp. callosi
G. suprasylvius ant.
Cingulum
Plexus et Tela chorioid. vent. tert.
Nuc. anterodors. thal.
Truncus corp. callosi
Nuc. vent. ant. thal.
Nuc. paraventric. ant. thal.
Subst. medullaris
S. suprasylvius ant.
G. ectosylvius ant.
Radiatio corp. callosi
Nuc. parataenialis thal.
Ped. thal. dorsolat.
Nuc. anterovent. thal.
Nuc. anteromed. thal.
Corona radiata
Subst. grisea cent. thal.
S. ectosylvius ant.
Nuc. caudatus, corpus
Ped. thal. rost.
Stria medullaris thal.
Genu capsulae int.
G. sylvius
Nuc. reticularis thal.
Columna fornicis
Nuc. interstitialis ped. thal. inf.
Capsula extrema
Ped. thal. inf.
Claustrum
Globus pallidus
S. sylvius
Putamen
S. hypothal.
Comm. anterior, pars post.
Nuc. entopeduncularis
Nuc. praeopticus lat.
Fiss. rhinalis ant.
Nuc. praeopticus med.
Diagonalis taenia
Lobus pyriformis
Stria olfactoria lat.
Fibrae olfacto-hypothal.
Area praeoptica
Subst. perforata ant.
N. opticus
Nuc. periventric. praeop.
Lamina terminalis

Plate 45

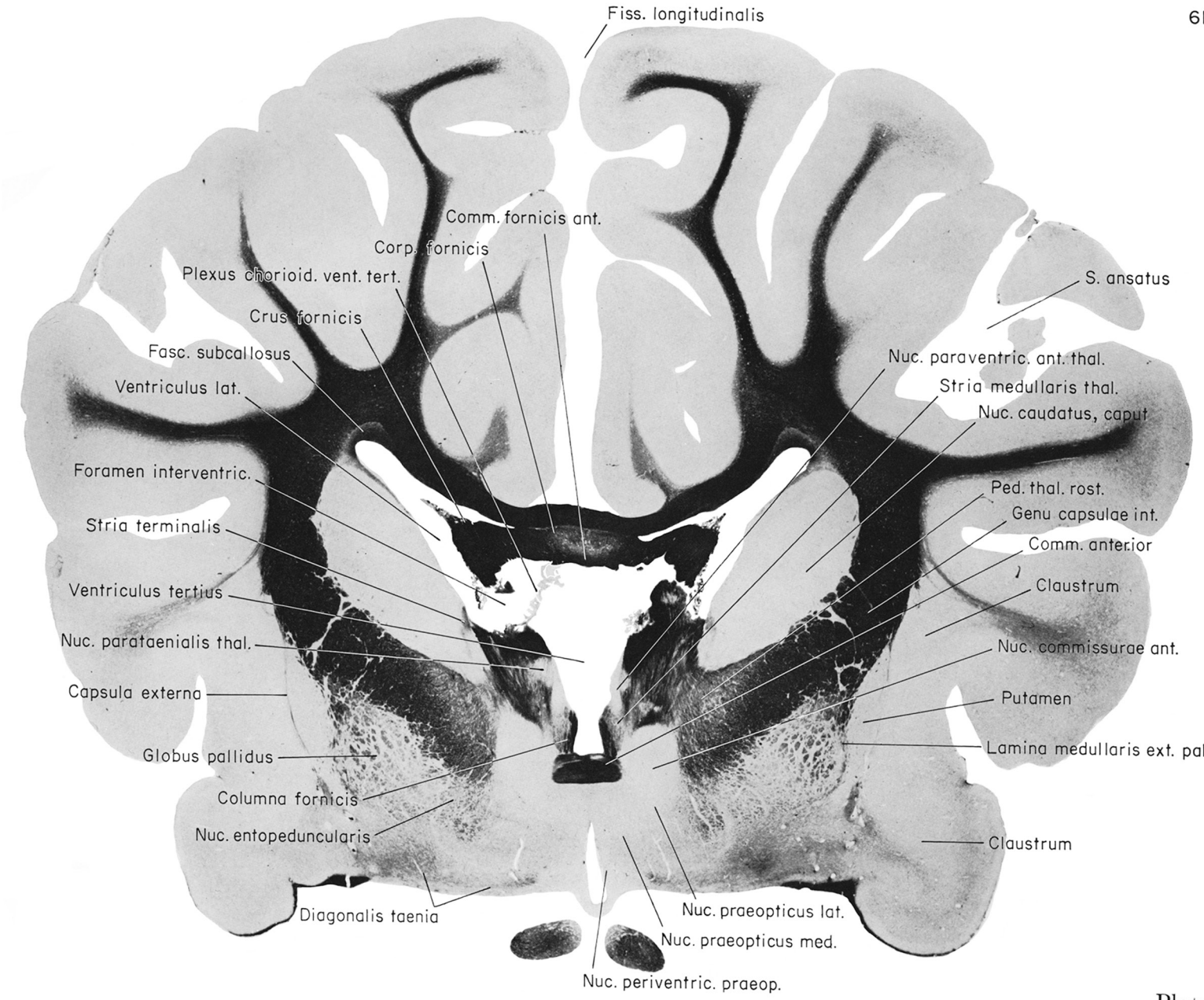

Fiss. longitudinalis
Comm. fornicis ant.
Corp. fornicis
Plexus chorioid. vent. tert.
Crus fornicis
Fasc. subcallosus
Ventriculus lat.
Foramen interventric.
Stria terminalis
Ventriculus tertius
Nuc. parataenialis thal.
Capsula externa
Globus pallidus
Columna fornicis
Nuc. entopeduncularis
Diagonalis taenia
S. ansatus
Nuc. paraventric. ant. thal.
Stria medullaris thal.
Nuc. caudatus, caput
Ped. thal. rost.
Genu capsulae int.
Comm. anterior
Claustrum
Nuc. commissurae ant.
Putamen
Lamina medullaris ext. pall.
Claustrum
Nuc. praeopticus lat.
Nuc. praeopticus med.
Nuc. periventric. praeop.

Plate 46

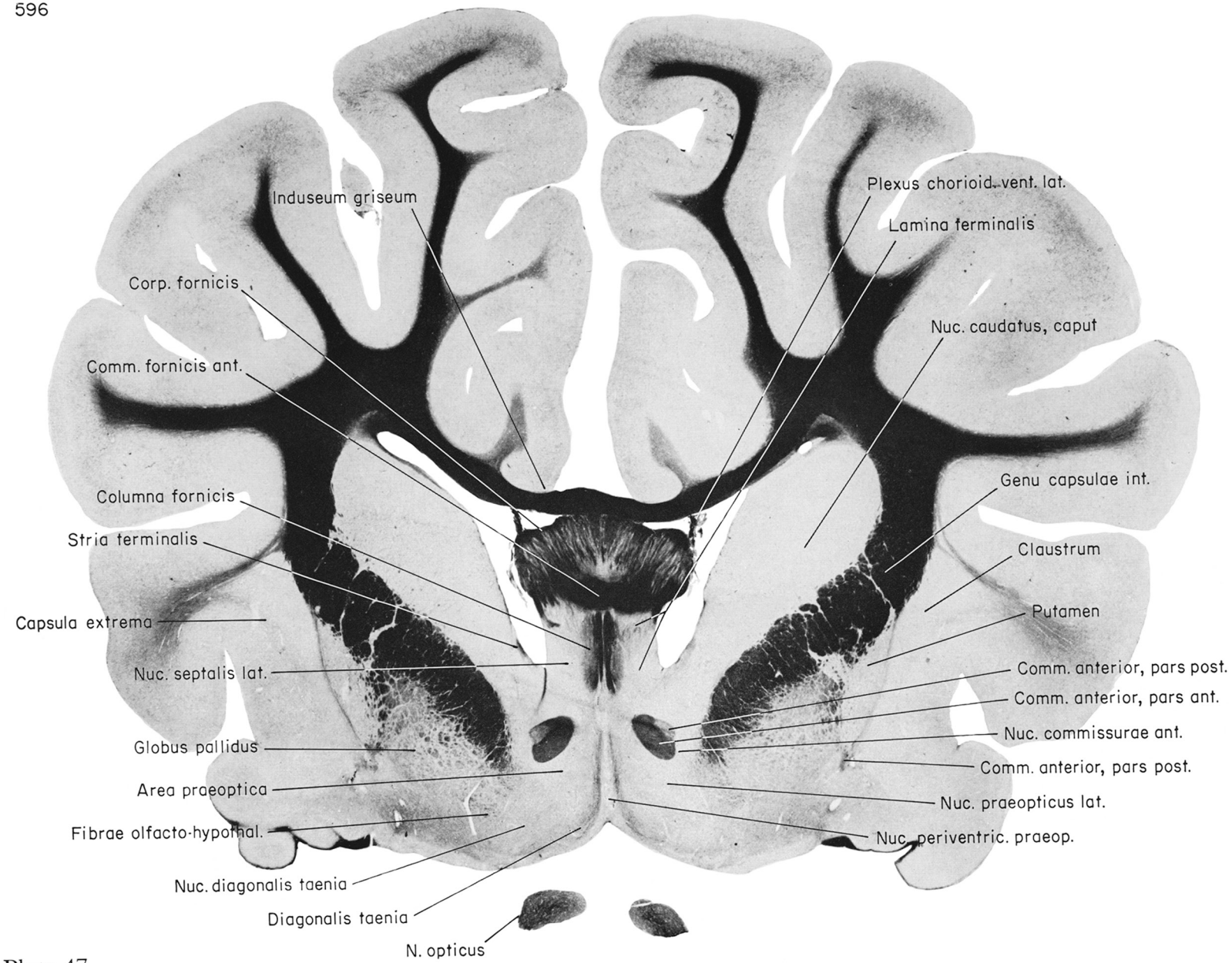

Induseum griseum
Corp. fornicis
Comm. fornicis ant.
Columna fornicis
Stria terminalis
Capsula extrema
Nuc. septalis lat.
Globus pallidus
Area praeoptica
Fibrae olfacto-hypothal.
Nuc. diagonalis taenia
Diagonalis taenia
N. opticus
Plexus chorioid. vent. lat.
Lamina terminalis
Nuc. caudatus, caput
Genu capsulae int.
Claustrum
Putamen
Comm. anterior, pars post.
Comm. anterior, pars ant.
Nuc. commissurae ant.
Comm. anterior, pars post.
Nuc. praeopticus lat.
Nuc. periventric. praeop.

Plate 47

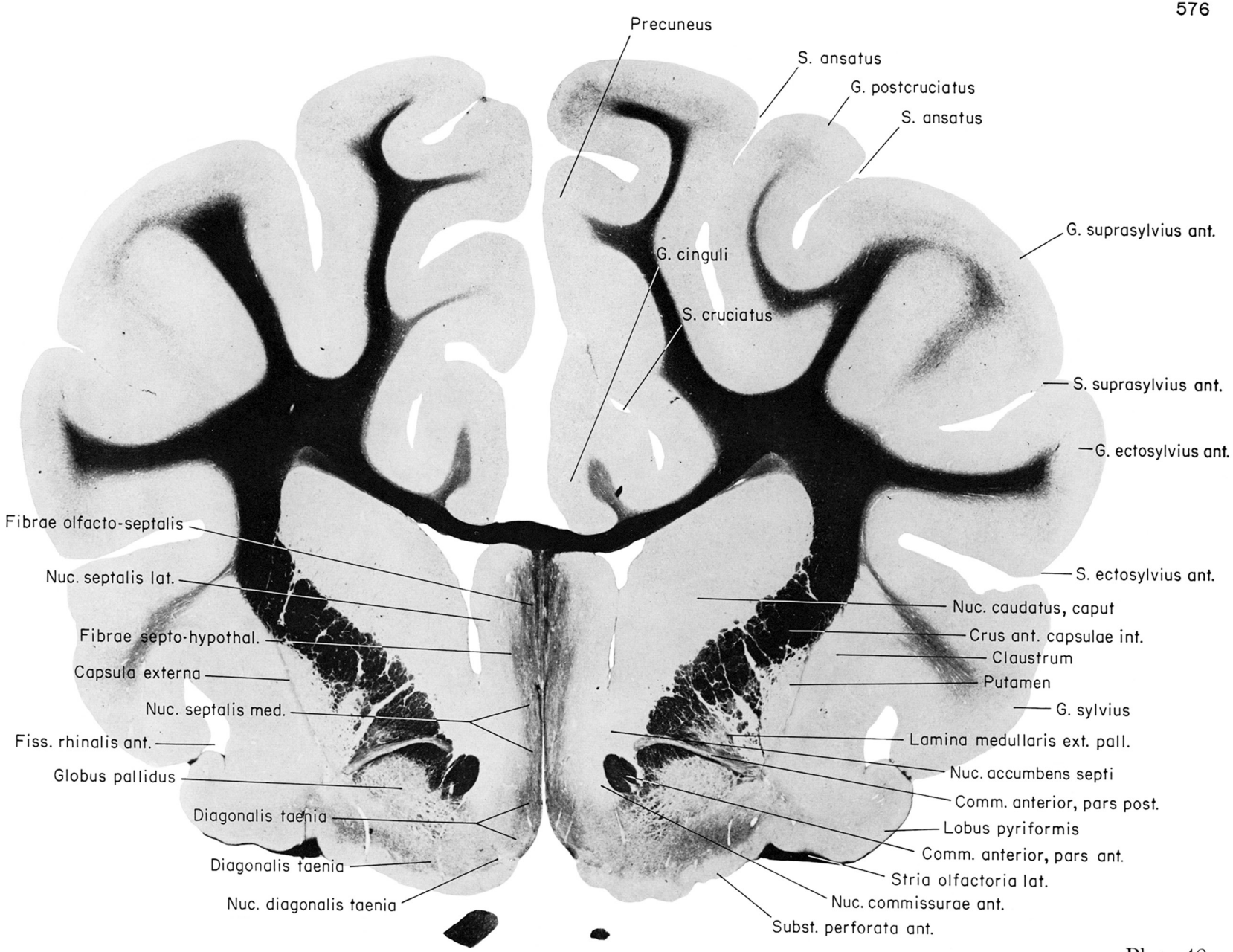

Precuneus
S. ansatus
G. postcruciatus
S. ansatus
G. suprasylvius ant.
G. cinguli
S. cruciatus
S. suprasylvius ant.
G. ectosylvius ant.
Fibrae olfacto-septalis
Nuc. septalis lat.
Fibrae septo-hypothal.
Capsula externa
Nuc. septalis med.
Fiss. rhinalis ant.
Globus pallidus
Diagonalis taenia
Diagonalis taenia
Nuc. diagonalis taenia
S. ectosylvius ant.
Nuc. caudatus, caput
Crus ant. capsulae int.
Claustrum
Putamen
G. sylvius
Lamina medullaris ext. pall.
Nuc. accumbens septi
Comm. anterior, pars post.
Lobus pyriformis
Comm. anterior, pars ant.
Stria olfactoria lat.
Nuc. commissurae ant.
Subst. perforata ant.

Plate 48

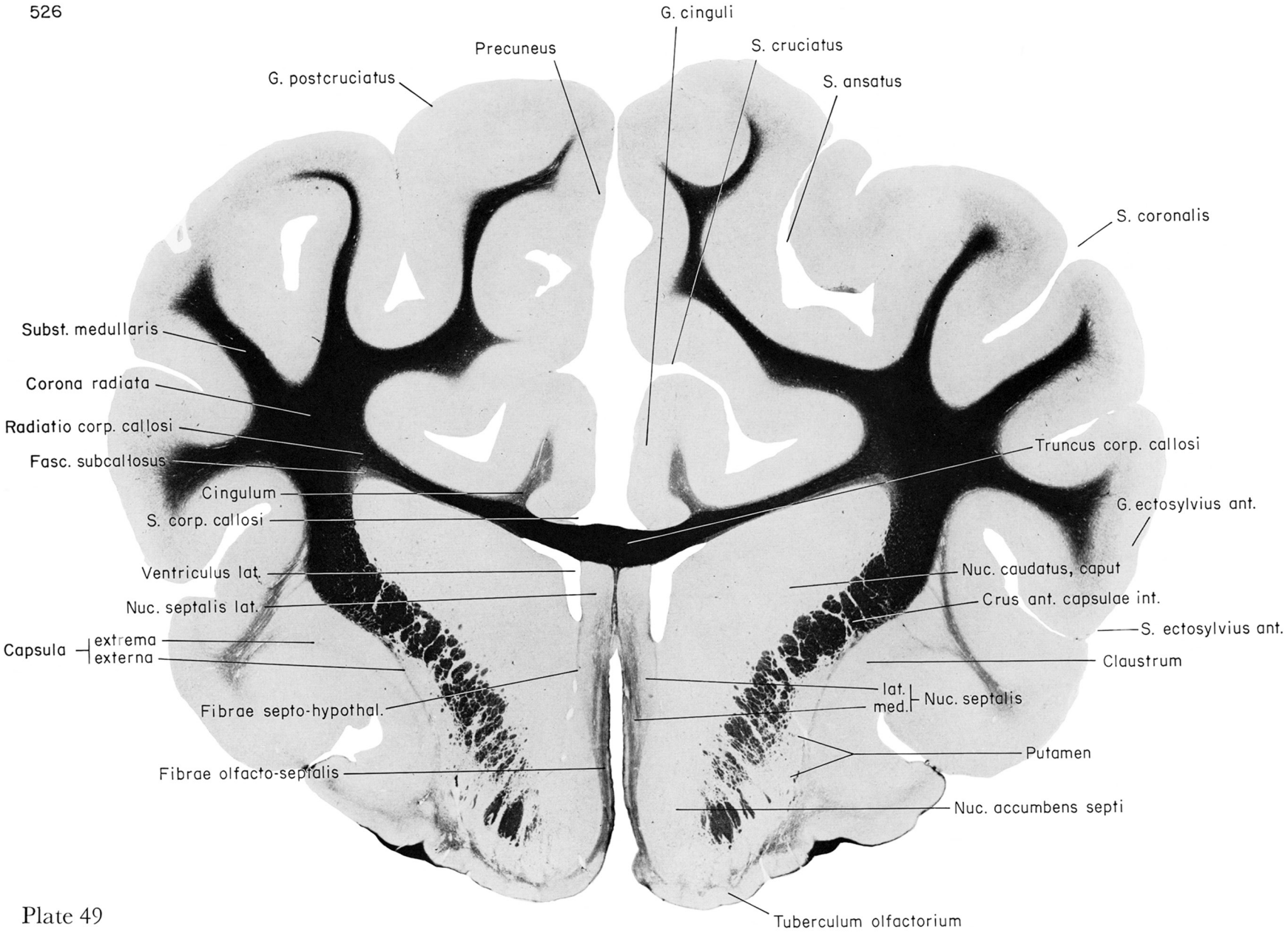

G. cinguli
Precuneus
S. cruciatus
G. postcruciatus
S. ansatus
S. coronalis
Subst. medullaris
Corona radiata
Radiatio corp. callosi
Fasc. subcallosus
Truncus corp. callosi
Cingulum
G. ectosylvius ant.
S. corp. callosi
Ventriculus lat.
Nuc. caudatus, caput
Nuc. septalis lat.
Crus ant. capsulae int.
S. ectosylvius ant.
Capsula
extrema
externa
Claustrum
lat.
med.
Nuc. septalis
Fibrae septo-hypothal.
Putamen
Fibrae olfacto-septalis
Nuc. accumbens septi
Tuberculum olfactorium

Plate 49

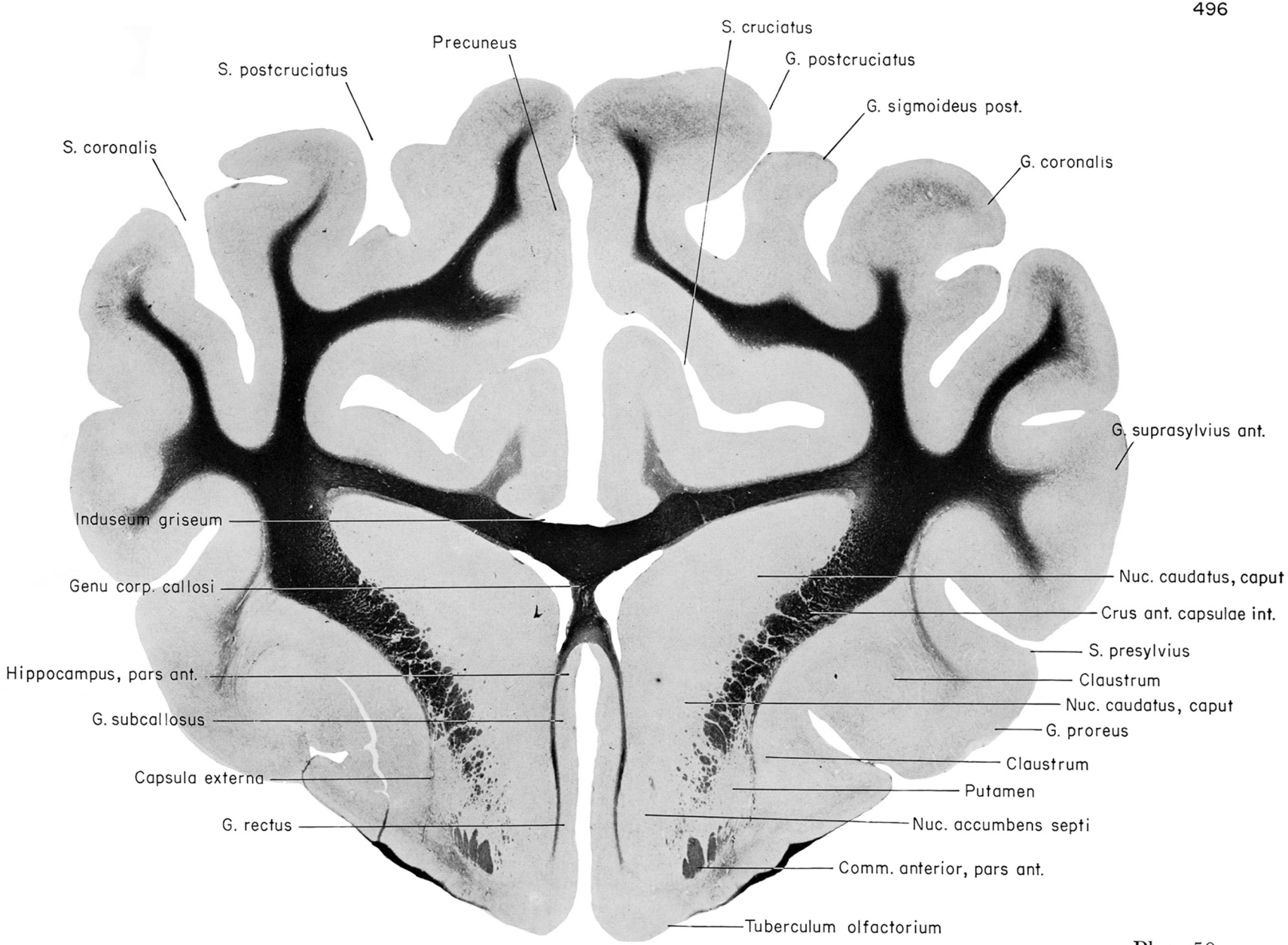

S. cruciatus
Precuneus
G. postcruciatus
S. postcruciatus
G. sigmoideus post.
S. coronalis
G. coronalis
G. suprasylvius ant.
Induseum griseum
Nuc. caudatus, caput
Genu corp. callosi
Crus ant. capsulae int.
S. presylvius
Hippocampus, pars ant.
Claustrum
Nuc. caudatus, caput
G. subcallosus
G. proreus
Claustrum
Capsula externa
Putamen
Nuc. accumbens septi
G. rectus
Comm. anterior, pars ant.
Tuberculum olfactorium

Plate 50

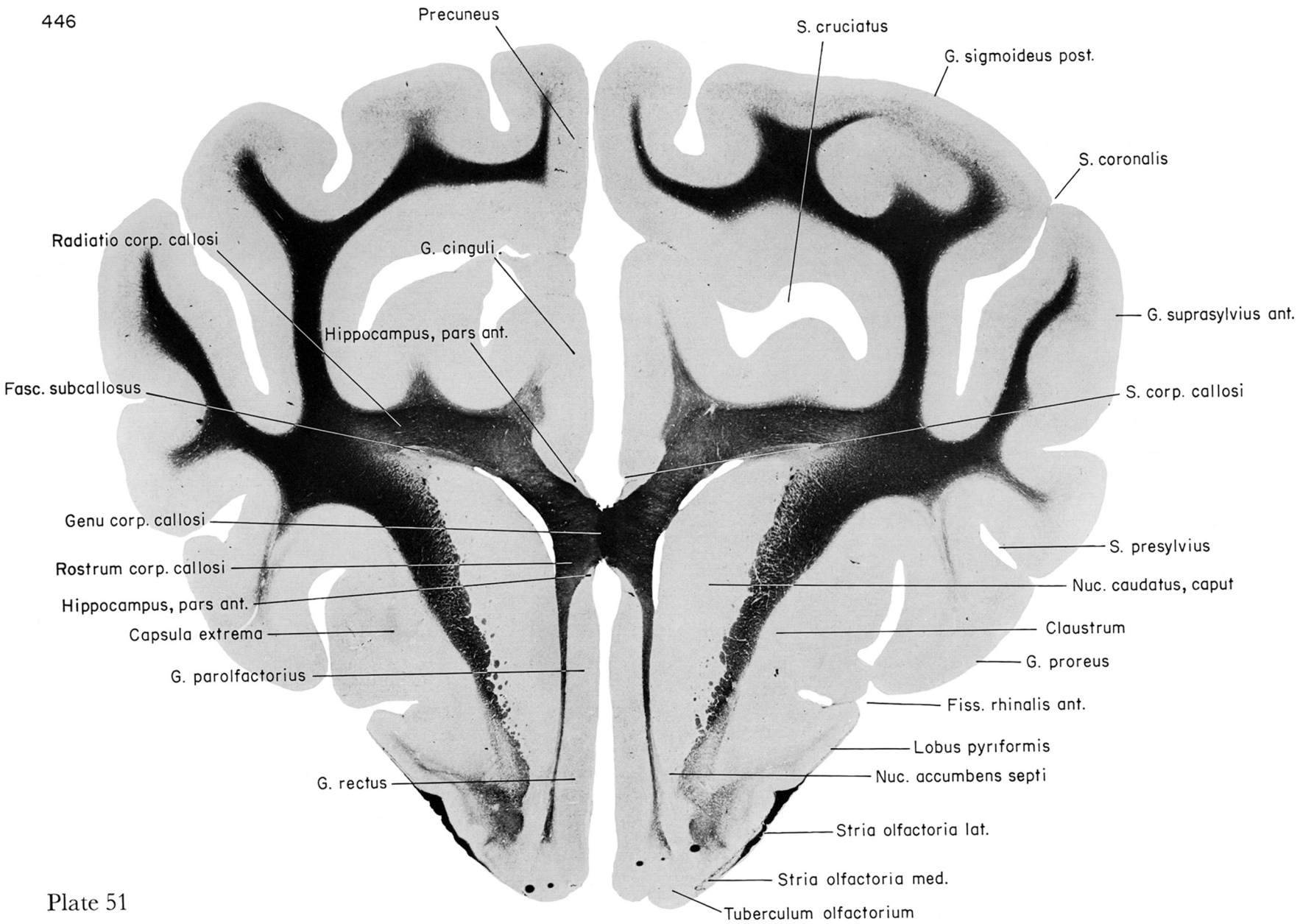

Precuneus
S. cruciatus
G. sigmoideus post.
S. coronalis
Radiatio corp. callosi
G. cinguli
G. suprasylvius ant.
Hippocampus, pars ant.
Fasc. subcallosus
S. corp. callosi
Genu corp. callosi
S. presylvius
Rostrum corp. callosi
Nuc. caudatus, caput
Hippocampus, pars ant.
Capsula extrema
Claustrum
G. proreus
G. parolfactorius
Fiss. rhinalis ant.
Lobus pyriformis
G. rectus
Nuc. accumbens septi
Stria olfactoria lat.
Stria olfactoria med.
Tuberculum olfactorium

Plate 51

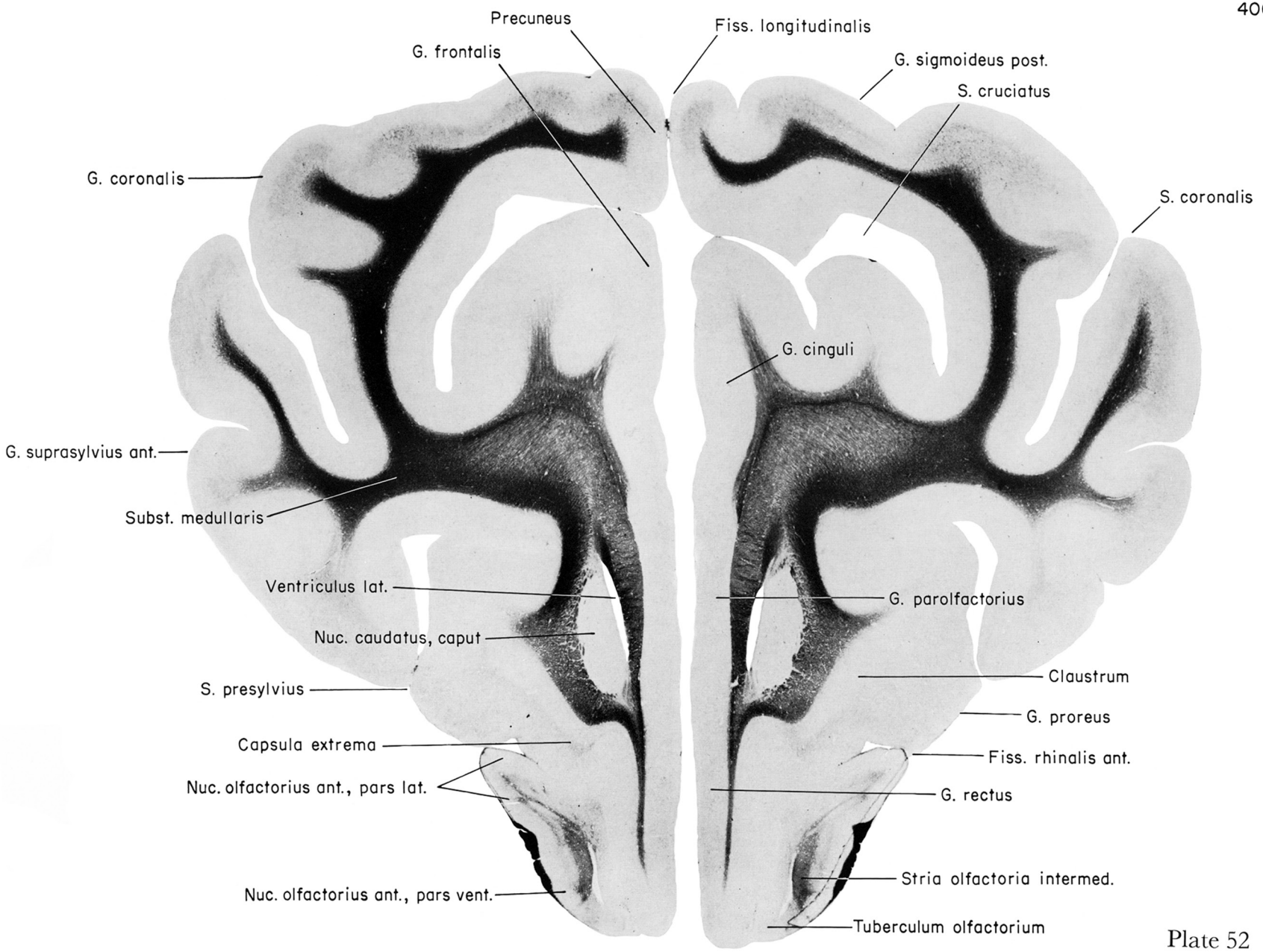

Precuneus
Fiss. longitudinalis
G. frontalis
G. sigmoideus post.
S. cruciatus
G. coronalis
S. coronalis
G. cinguli
G. suprasylvius ant.
Subst. medullaris
Ventriculus lat.
G. parolfactorius
Nuc. caudatus, caput
Claustrum
S. presylvius
G. proreus
Capsula extrema
Fiss. rhinalis ant.
Nuc. olfactorius ant., pars lat.
G. rectus
Stria olfactoria intermed.
Nuc. olfactorius ant., pars vent.
Tuberculum olfactorium

Plate 52

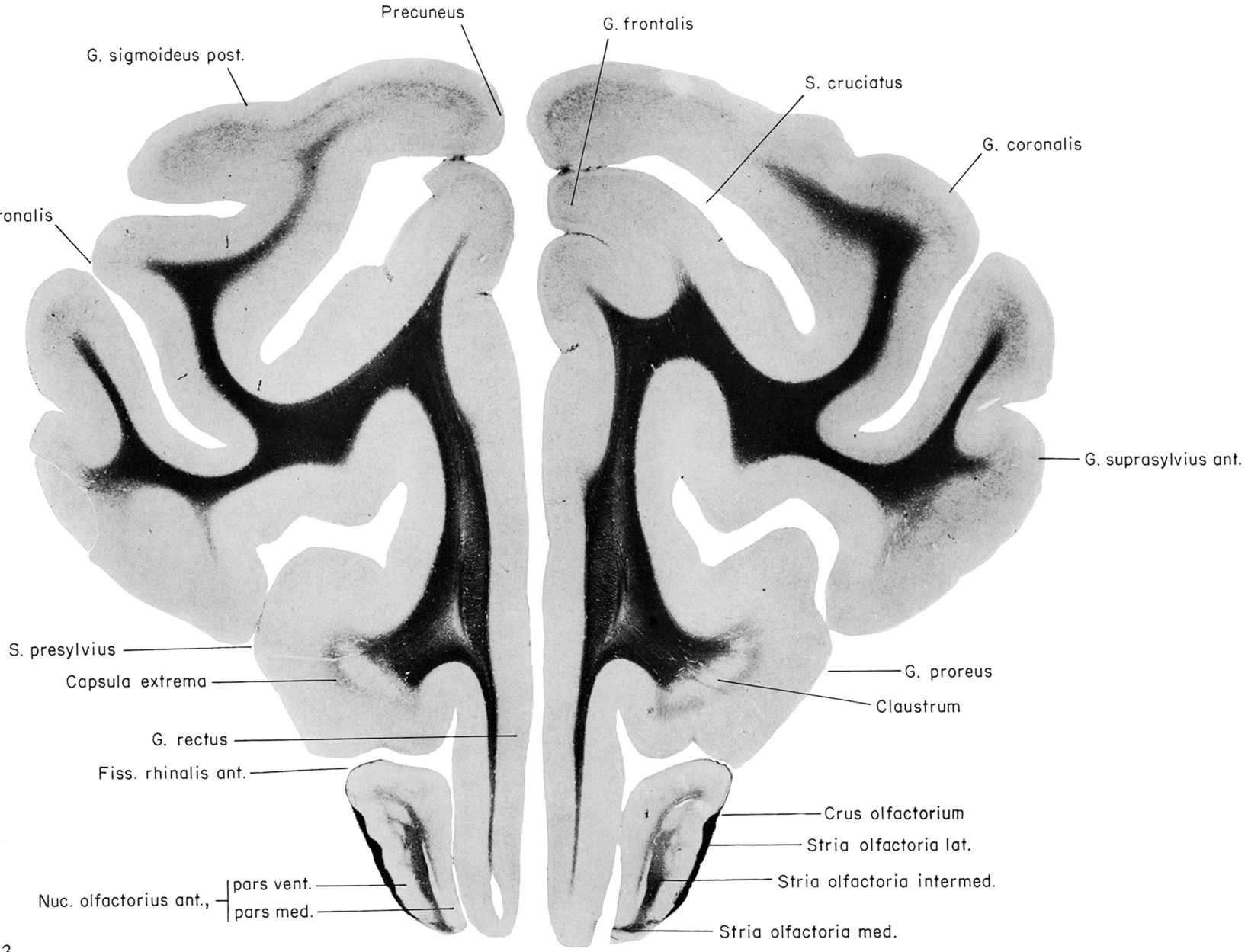

Precuneus
G. frontalis
G. sigmoideus post.
S. cruciatus
G. coronalis
S. coronalis
G. suprasylvius ant.
S. presylvius
Capsula extrema
G. proreus
Claustrum
G. rectus
Fiss. rhinalis ant.
Crus olfactorium
Stria olfactoria lat.
Stria olfactoria intermed.
Nuc. olfactorius ant., pars vent.
pars med.
Stria olfactoria med.

Plate 53

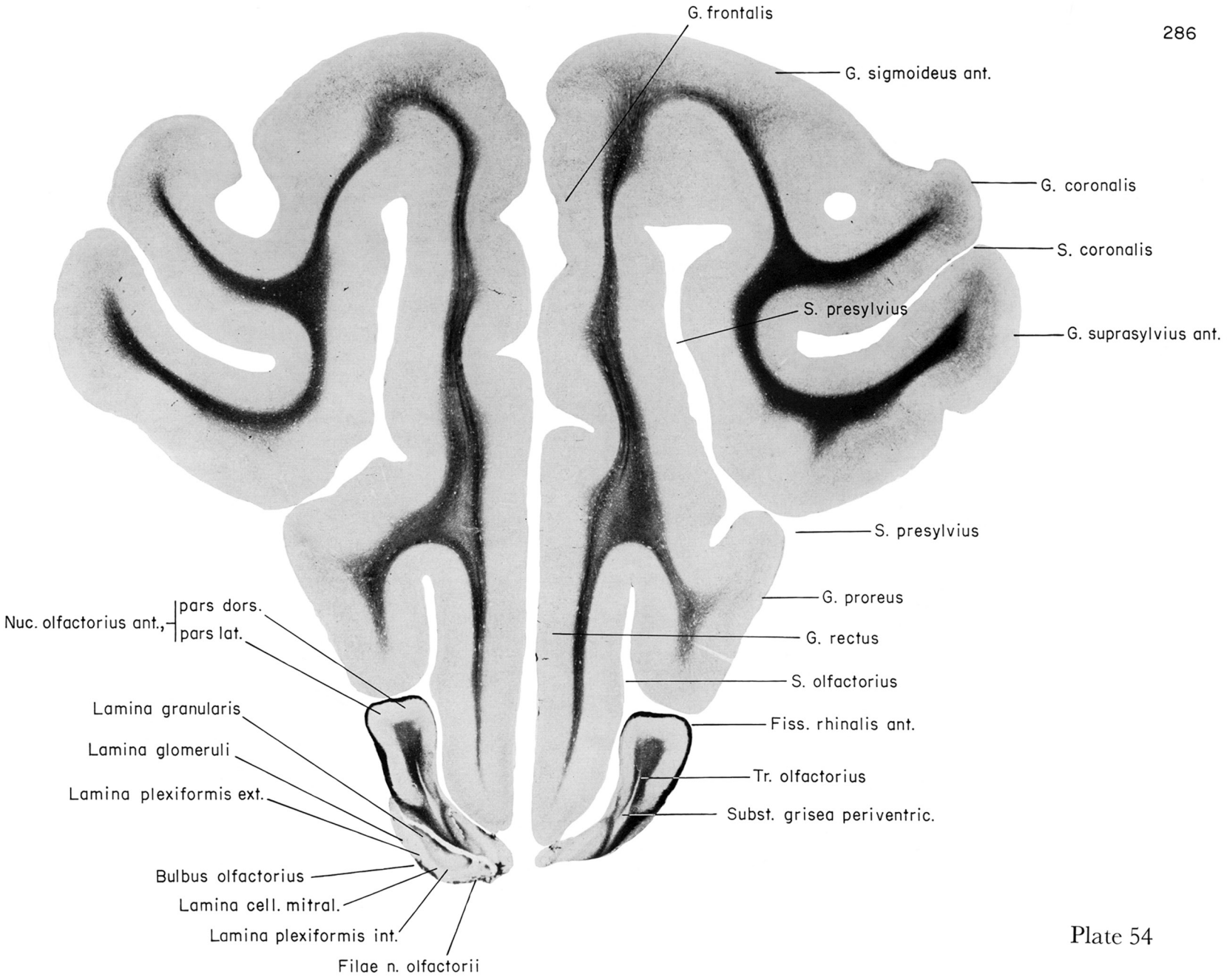
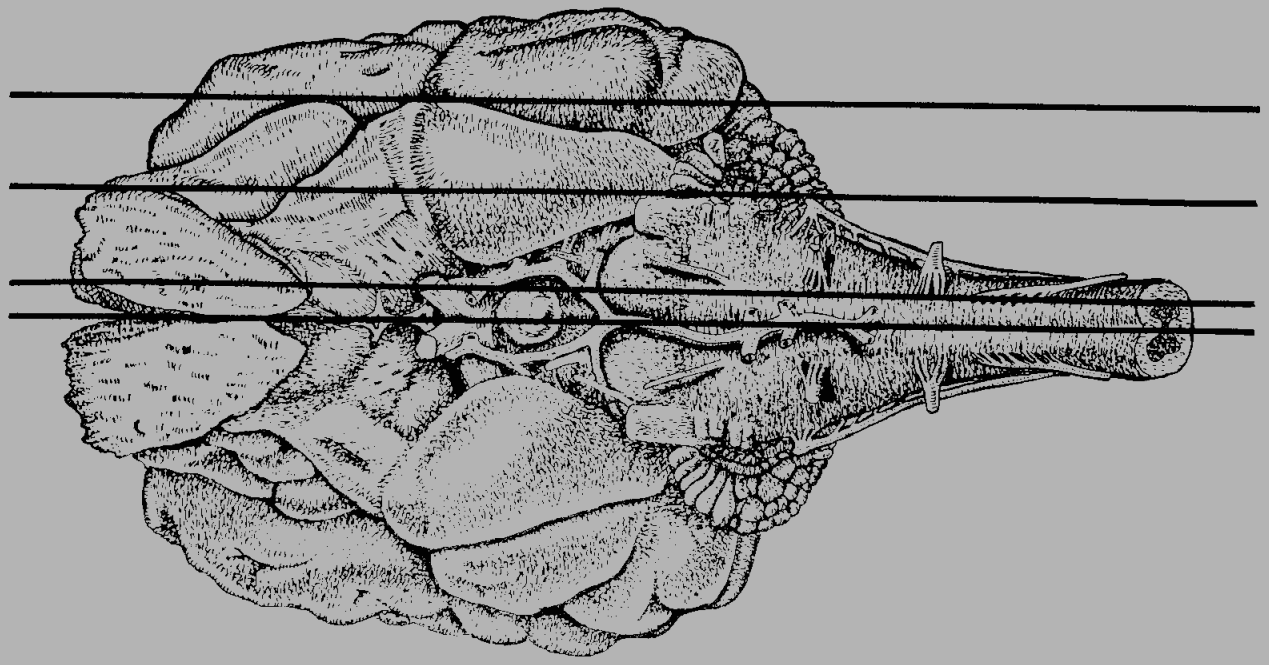

G. frontalis
G. sigmoideus ant.
G. coronalis
S. coronalis
S. presylvius
G. suprasylvius ant.
S. presylvius
G. proreus
G. rectus
S. olfactorius
Fiss. rhinalis ant.
Tr. olfactorius
Subst. grisea periventric.
Nuc. olfactorius ant., pars dors.
pars lat.
Lamina granularis
Lamina glomeruli
Lamina plexiformis ext.
Bulbus olfactorius
Lamina cell. mitral.
Lamina plexiformis int.
Filae n. olfactorii

Plate 54

Sagittal Sections



The following 15 pairs of plates, Plates 55 through 84, illustrate the most medial of the sagittal sections in which the brain stem has been magnified further and most of the cortical structures have been omitted. To show with still greater clarity the details of the structure, each full section on the left-hand page is faced by an enlargement on the opposite page.

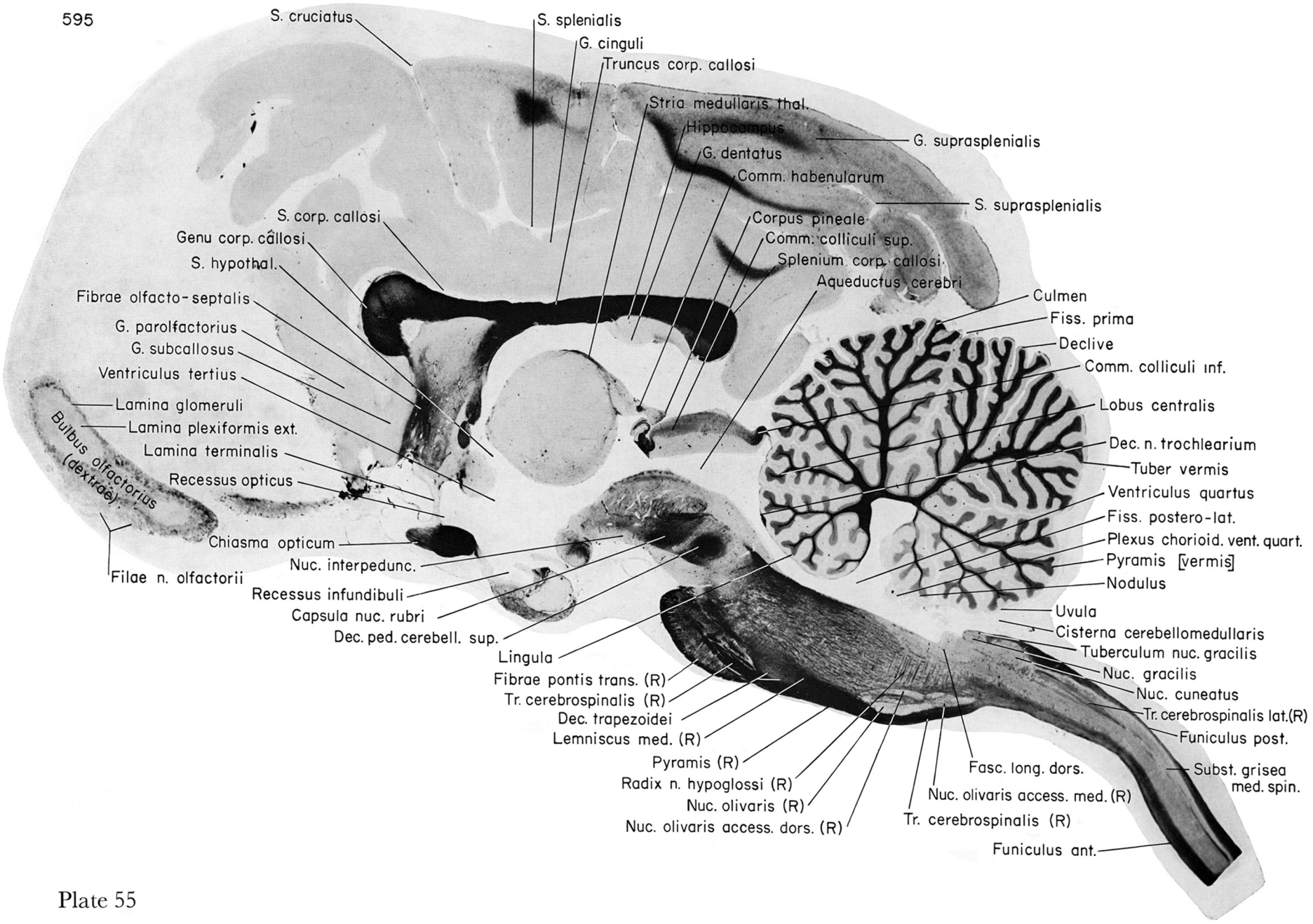

S. cruciatus
S. splenialis
G. cinguli
Truncus corp. callosi
Stria medullaris thal.
Hippocampus
G. dentatus
Comm. habenularum
G. suprasplenialis
S. suprasplenialis
Corpus pineale
Comm. colliculi sup.
Splenium corp. callosi
Aqueductus cerebri
S. corp. callosi
Genu corp. callosi
S. hypothal.
Fibrae olfacto-septalis
G. parolfactorius
G. subcallosus
Ventriculus tertius
Lamina glomeruli
Lamina plexiformis ext.
Lamina terminalis
Recessus opticus
Bulbus olfactorius (dextrae)
Filae n. olfactorii
Chiasma opticum
Nuc. interpedunc.
Recessus infundibuli
Capsula nuc. rubri
Dec. ped. cerebell. sup.
Lingula
Fibrae pontis trans. (R)
Tr. cerebrospinalis (R)
Dec. trapezoidei
Lemniscus med. (R)
Pyramis (R)
Radix n. hypoglossi (R)
Nuc. olivaris (R)
Nuc. olivaris access. dors. (R)
Culmen
Fiss. prima
Declive
Comm. colliculi inf.
Lobus centralis
Dec. n. trochlearium
Tuber vermis
Ventriculus quartus
Fiss. postero-lat.
Plexus chorioid. vent. quart.
Pyramis [vermis]
Nodulus
Uvula
Cisterna cerebellomedullaris
Tuberculum nuc. gracilis
Nuc. gracilis
Nuc. cuneatus
Tr. cerebrospinalis lat.(R)
Funiculus post.
Fasc. long. dors.
Nuc. olivaris access. med. (R)
Tr. cerebrospinalis (R)
Funiculus ant.
Subst. grisea med. spin.

Plate 55

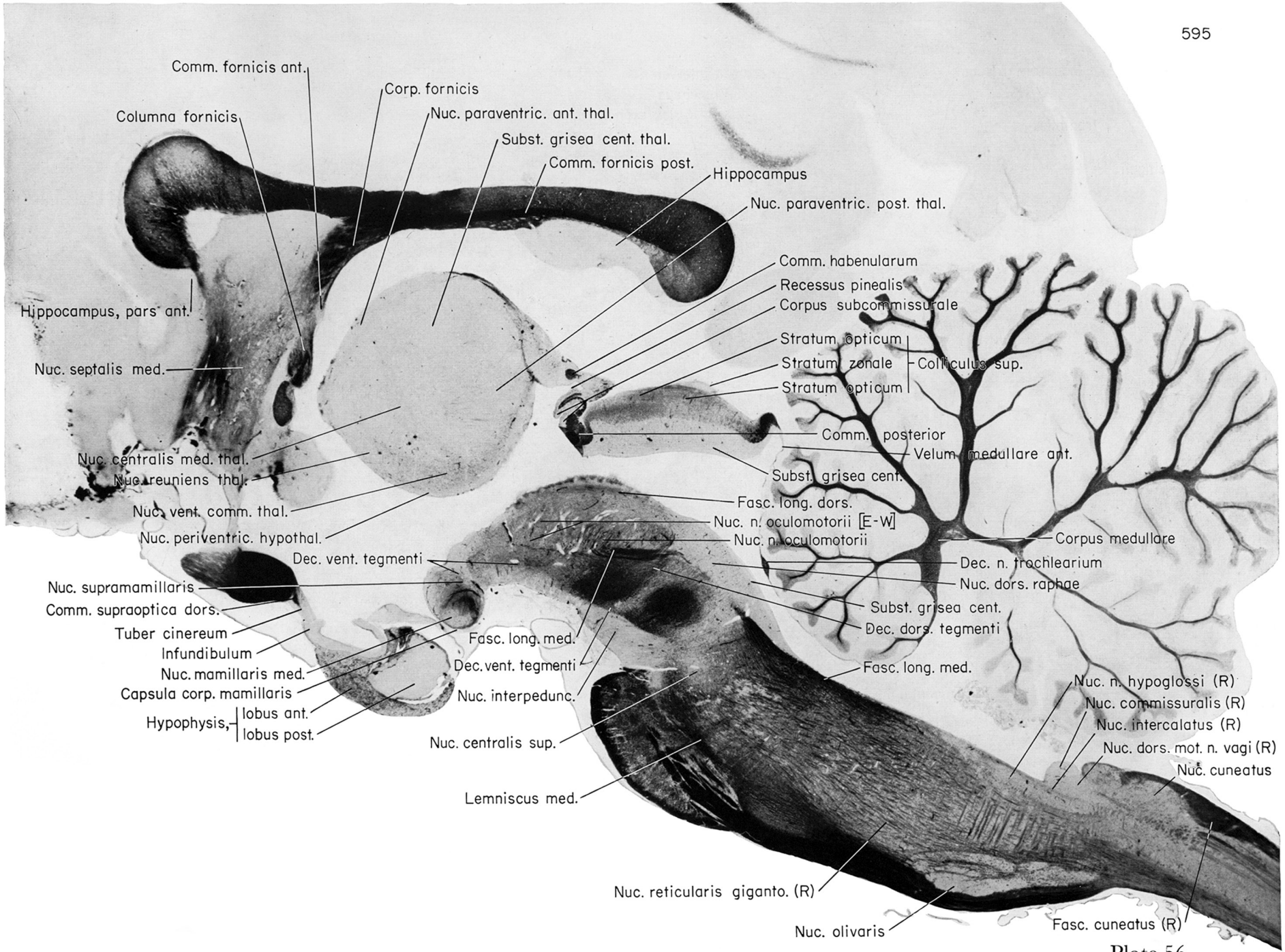

Comm. fornicis ant.
Corp. fornicis
Columna fornicis
Nuc. paraventric. ant. thal.
Subst. grisea cent. thal.
Comm. fornicis post.
Hippocampus
Nuc. paraventric. post. thal.
Hippocampus, pars ant.
Comm. habenularum
Recessus pinealis
Corpus subcommissurale
Stratum opticum
Stratum zonale
Stratum opticum
Colliculus sup.
Nuc. septalis med.
Comm. posterior
Velum medullare ant.
Nuc. centralis med. thal.
Nuc. reuniens thal.
Subst. grisea cent.
Fasc. long. dors.
Nuc. vent. comm. thal.
Nuc. n. oculomotorii [E-W]
Nuc. periventric. hypothal.
Nuc. n. oculomotorii
Corpus medullare
Dec. vent. tegmenti
Dec. n. trochlearium
Nuc. supramamillaris
Nuc. dors. raphae
Comm. supraoptica dors.
Subst. grisea cent.
Tuber cinereum
Dec. dors. tegmenti
Fasc. long. med.
Infundibulum
Dec. vent. tegmenti
Fasc. long. med.
Nuc. mamillaris med.
Nuc. n. hypoglossi (R)
Capsula corp. mamillaris
Nuc. interpedunc.
Nuc. commissuralis (R)
Hypophysis, lobus ant.
lobus post.
Nuc. intercalatus (R)
Nuc. centralis sup.
Nuc. dors. mot. n. vagi (R)
Nuc. cuneatus
Lemniscus med.
Nuc. reticularis giganto. (R)
Nuc. olivaris
Fasc. cuneatus (R)

Plate 56

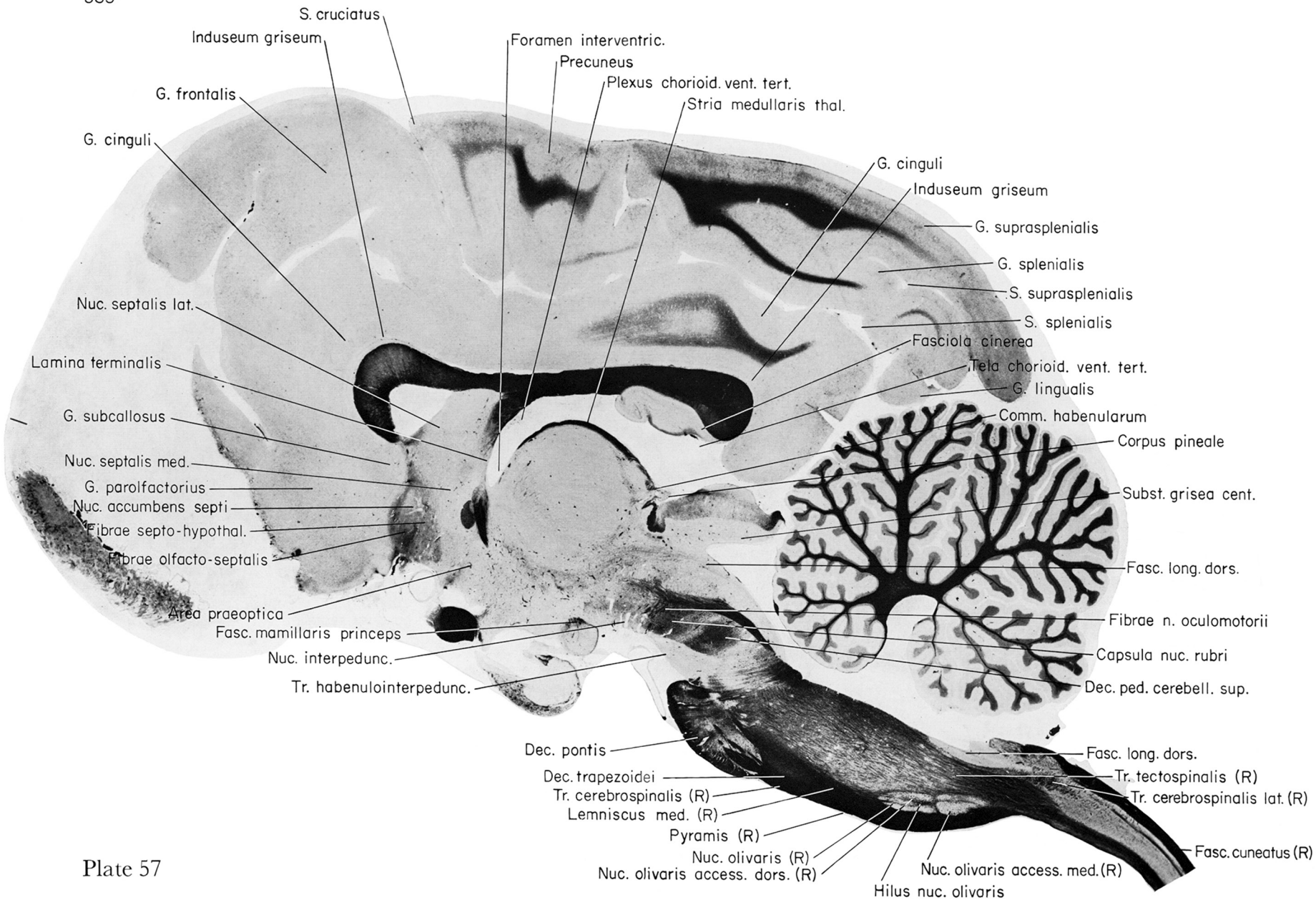

S. cruciatus
Induseum griseum
Foramen interventric.
Precuneus
Plexus chorioid. vent. tert.
Stria medullaris thal.
G. frontalis
G. cinguli
G. cinguli
Induseum griseum
G. suprasplenialis
G. splenialis
S. suprasplenialis
S. splenialis
Fasciola cinerea
Tela chorioid. vent. tert.
G. lingualis
Comm. habenularum
Corpus pineale
Subst. grisea cent.
Fasc. long. dors.
Fibrae n. oculomotorii
Capsula nuc. rubri
Dec. ped. cerebell. sup.
Nuc. septalis lat.
Lamina terminalis
G. subcallosus
Nuc. septalis med.
G. parolfactorius
Nuc. accumbens septi
Fibrae septo-hypothal.
Fibrae olfacto-septalis
Area praeoptica
Fasc. mamillaris princeps
Nuc. interpedunc.
Tr. habenulointerpedunc.
Dec. pontis
Dec. trapezoidei
Tr. cerebrospinalis (R)
Lemniscus med. (R)
Pyramis (R)
Nuc. olivaris (R)
Nuc. olivaris access. dors. (R)
Hilus nuc. olivaris
Nuc. olivaris access. med. (R)
Fasc. long. dors.
Tr. tectospinalis (R)
Tr. cerebrospinalis lat. (R)
Fasc. cuneatus (R)

Plate 57

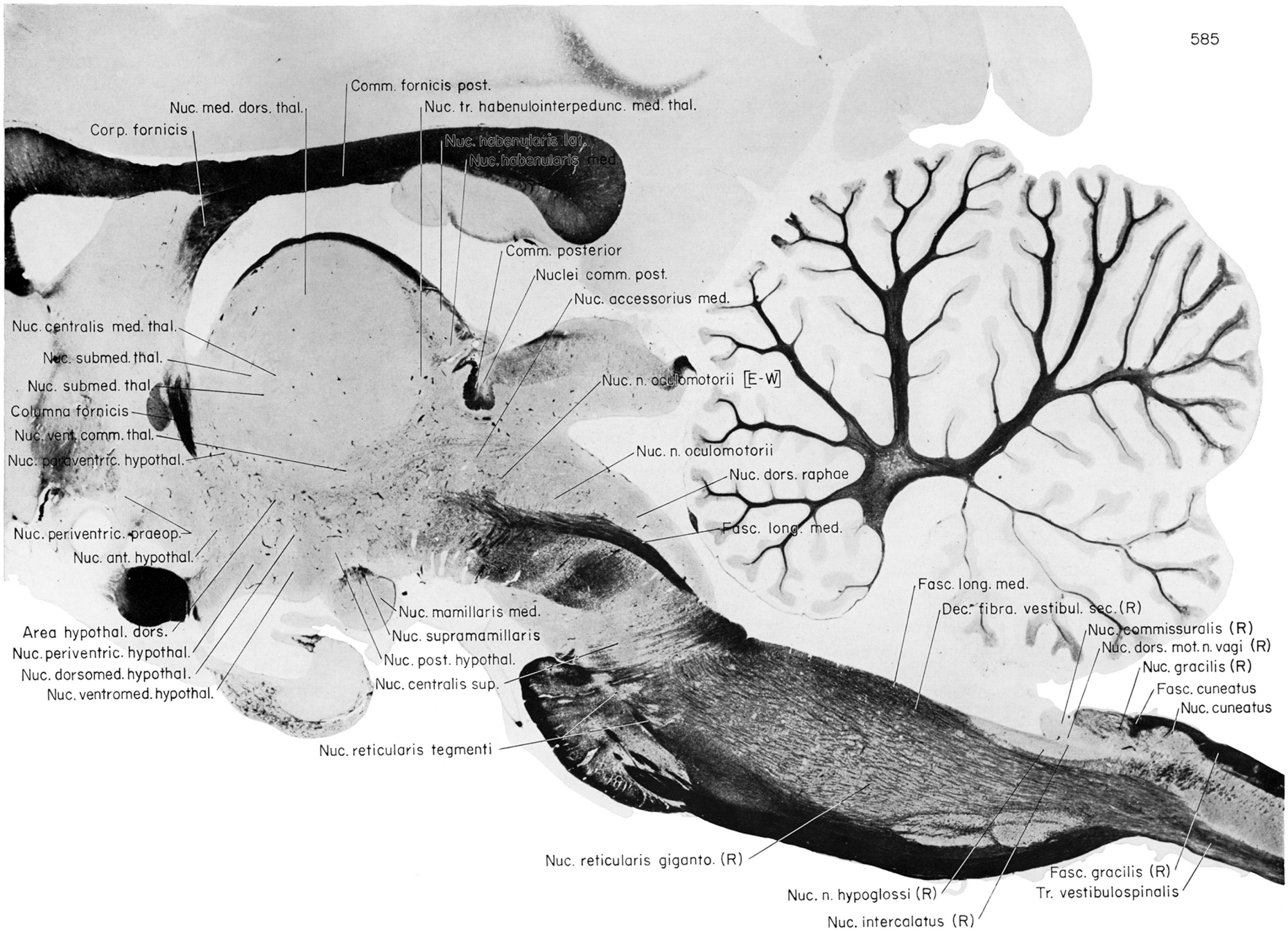

Comm. fornicis post.
Nuc. med. dors. thal.
Nuc. tr. habenulointerpedunc. med. thal.
Corp. fornicis
Nuc. habenularis lat.
Nuc. habenularis med.
Comm. posterior
Nuclei comm. post.
Nuc. accessorius med.
Nuc. centralis med. thal.
Nuc. submed. thal.
Nuc. submed. thal.
Columna fornicis
Nuc. vent. comm. thal.
Nuc. paraventric. hypothal.
Nuc. n. oculomotorii [E-W]
Nuc. n. oculomotorii
Nuc. dors. raphae
Fasc. long. med.
Nuc. periventric. praeop.
Nuc. ant. hypothal.
Fasc. long. med.
Dec. fibra. vestibul. sec. (R)
Nuc. commissuralis (R)
Nuc. dors. mot. n. vagi (R)
Nuc. gracilis (R)
Fasc. cuneatus
Nuc. cuneatus
Nuc. mamillaris med.
Nuc. supramamillaris
Nuc. post. hypothal.
Nuc. centralis sup.
Area hypothal. dors.
Nuc. periventric. hypothal.
Nuc. dorsomed. hypothal.
Nuc. ventromed. hypothal.
Nuc. reticularis tegmenti
Nuc. reticularis giganto. (R)
Nuc. n. hypoglossi (R)
Nuc. intercalatus (R)
Fasc. gracilis (R)
Tr. vestibulospinalis

Plate 58

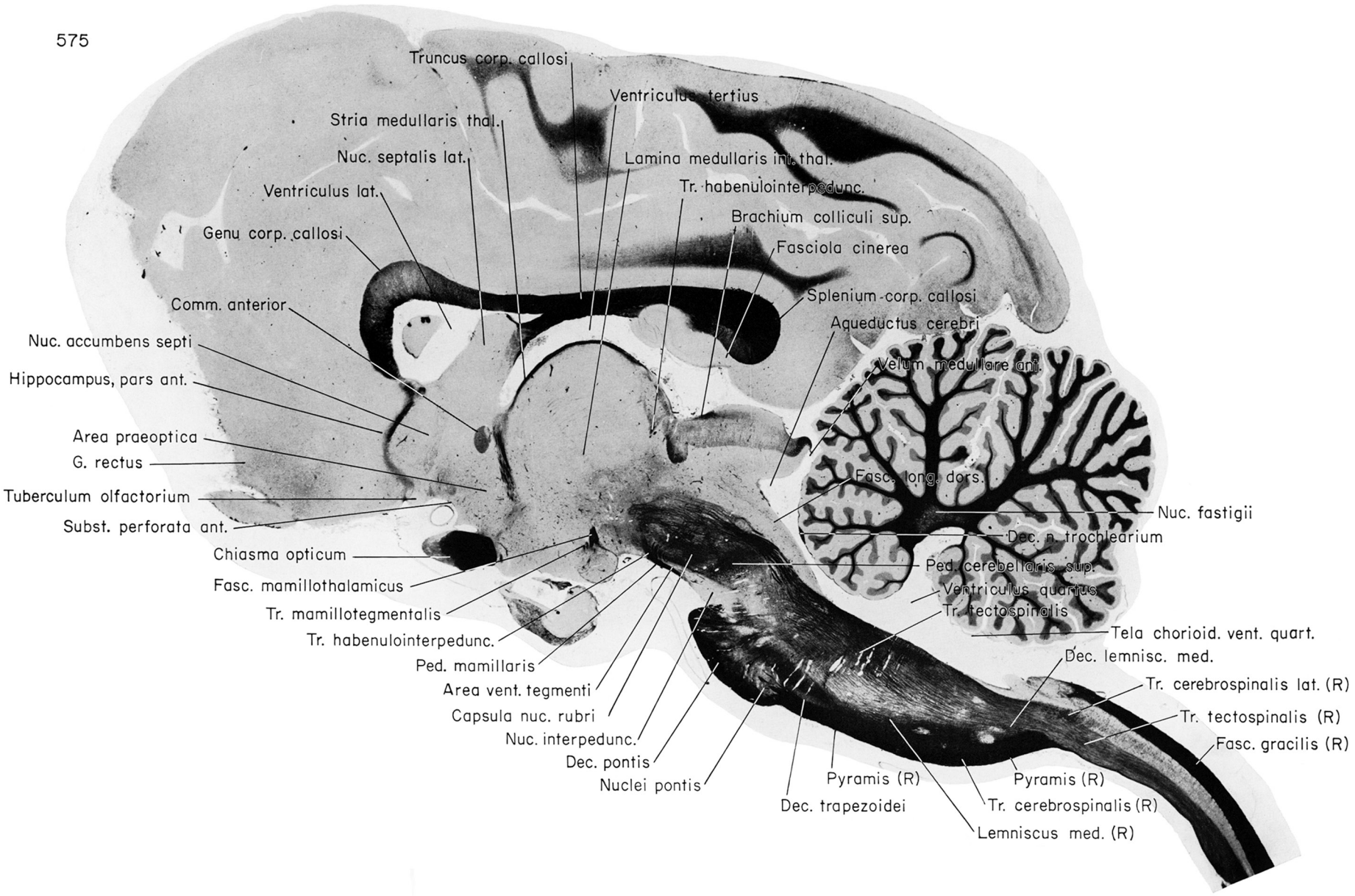

Truncus corp. callosi
Ventriculus tertius
Stria medullaris thal.
Nuc. septalis lat.
Lamina medullaris int. thal.
Ventriculus lat.
Tr. habenulointerpedunc.
Brachium colliculi sup.
Genu corp. callosi
Fasciola cinerea
Splenium corp. callosi
Comm. anterior
Aqueductus cerebri
Nuc. accumbens septi
Velum medullare ant.
Hippocampus, pars ant.
Area praeoptica
G. rectus
Fasc. long. dors.
Tuberculum olfactorium
Nuc. fastigii
Subst. perforata ant.
Dec. n. trochlearium
Chiasma opticum
Ped. cerebellaris sup.
Fasc. mamillothalamicus
Ventriculus quartus
Tr. mamillotegmentalis
Tr. tectospinalis
Tr. habenulointerpedunc.
Tela chorioid. vent. quart.
Ped. mamillaris
Dec. lemnisc. med.
Area vent. tegmenti
Tr. cerebrospinalis lat. (R)
Capsula nuc. rubri
Tr. tectospinalis (R)
Nuc. interpedunc.
Fasc. gracilis (R)
Dec. pontis
Pyramis (R)
Pyramis (R)
Nuclei pontis
Dec. trapezoidei
Tr. cerebrospinalis (R)
Lemniscus med. (R)

Plate 59

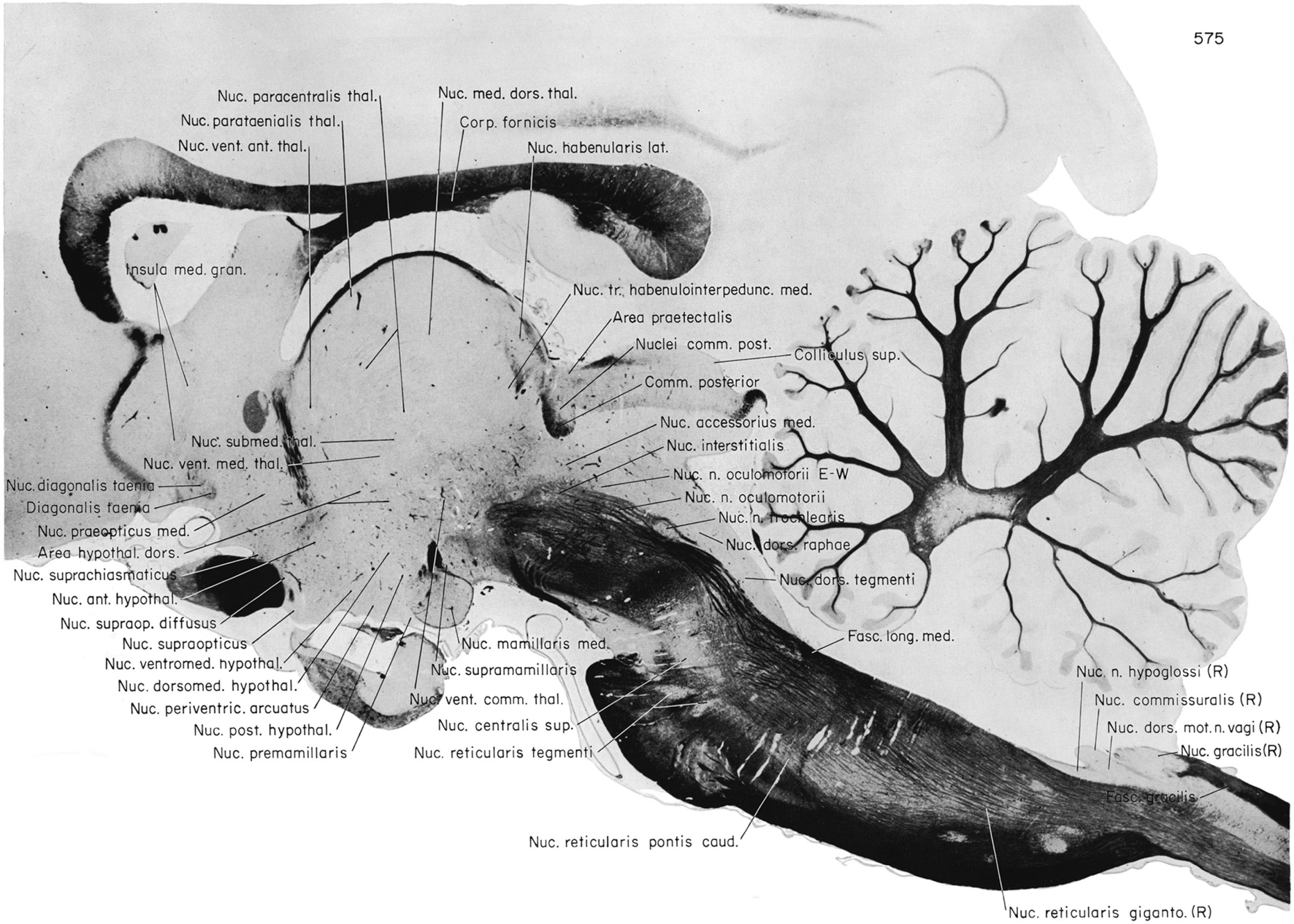

Nuc. paracentralis thal.
Nuc. parataenialis thal.
Nuc. vent. ant. thal.
Nuc. med. dors. thal.
Corp. fornicis
Nuc. habenularis lat.
Insula med. gran.
Nuc. tr. habenulointerpedunc. med.
Area praetectalis
Nuclei comm. post.
Colliculus sup.
Comm. posterior
Nuc. accessorius med.
Nuc. interstitialis
Nuc. submed. thal.
Nuc. vent. med. thal.
Nuc. n. oculomotorii E-W
Nuc. diagonalis taenia
Nuc. n. oculomotorii
Diagonalis taenia
Nuc. n. trochlearis
Nuc. praeopticus med.
Nuc. dors. raphae
Area hypothal. dors.
Nuc. dors. tegmenti
Nuc. suprachiasmaticus
Nuc. ant. hypothal.
Nuc. supraop. diffusus
Fasc. long. med.
Nuc. supraopticus
Nuc. mamillaris med.
Nuc. ventromed. hypothal.
Nuc. supramamillaris
Nuc. n. hypoglossi (R)
Nuc. dorsomed. hypothal.
Nuc. vent. comm. thal.
Nuc. commissuralis (R)
Nuc. periventric. arcuatus
Nuc. centralis sup.
Nuc. dors. mot. n. vagi (R)
Nuc. post. hypothal.
Nuc. reticularis tegmenti
Nuc. gracilis (R)
Nuc. premamillaris
Fasc. gracilis
Nuc. reticularis pontis caud.
Nuc. reticularis giganto. (R)

Plate 60

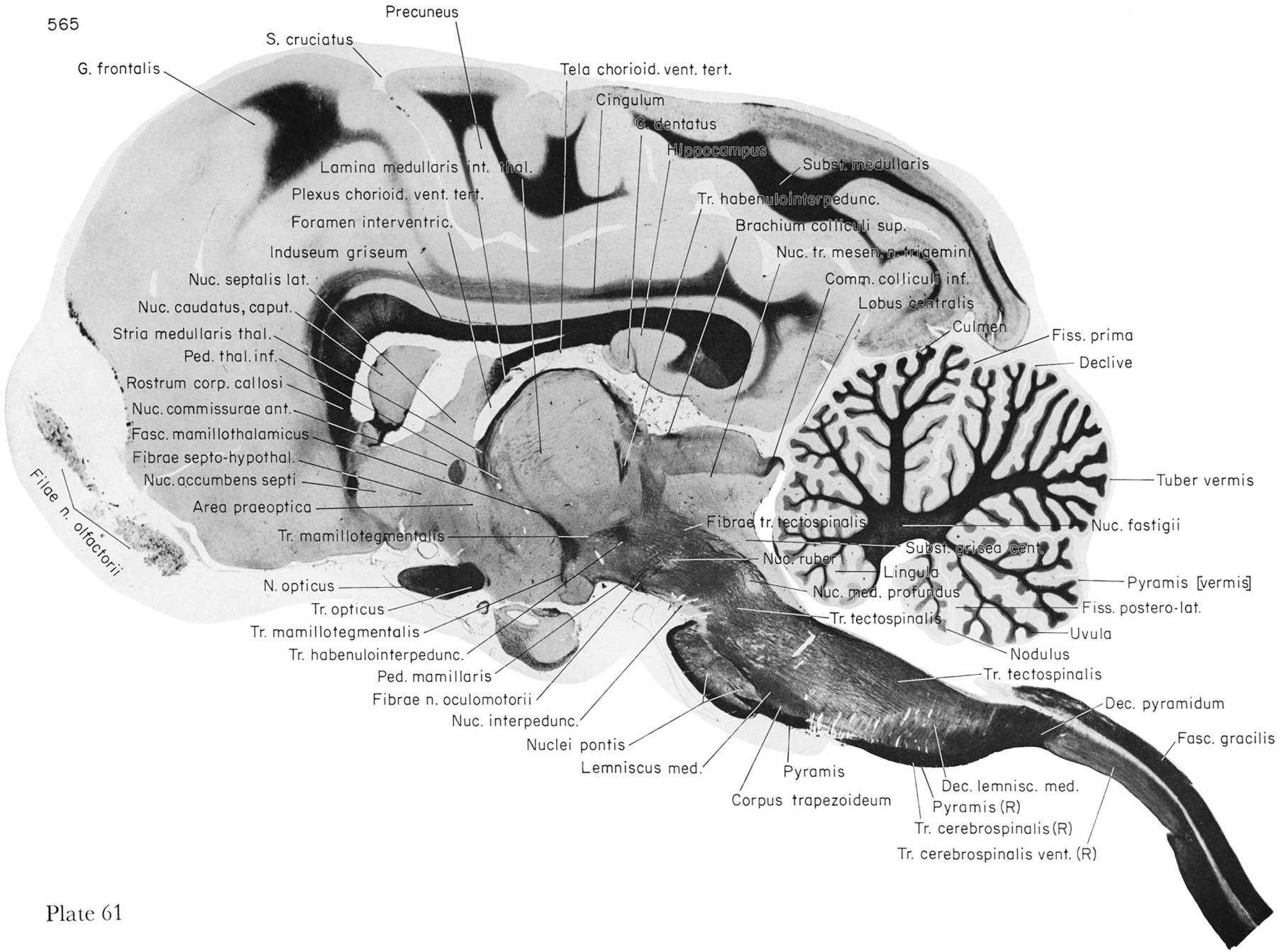

Precuneus
S. cruciatus
G. frontalis
Tela chorioid. vent. tert.
Cingulum
G. dentatus
Hippocampus
Subst. medullaris
Lamina medullaris int. thal.
Plexus chorioid. vent. tert.
Tr. habenulointerpedunc.
Foramen interventric.
Brachium colliculi sup.
Induseum griseum
Nuc. tr. mesen. n. trigemini
Nuc. septalis lat.
Comm. colliculi inf.
Nuc. caudatus, caput.
Lobus centralis
Stria medullaris thal.
Culmen
Fiss. prima
Ped. thal. inf.
Declive
Rostrum corp. callosi
Nuc. commissurae ant.
Fasc. mamillothalamicus
Fibrae septo-hypothal.
Nuc. accumbens septi
Tuber vermis
Filae n. olfactorii
Area praeoptica
Fibrae tr. tectospinalis
Nuc. fastigii
Tr. mamillotegmentalis
Subst. grisea cent.
Nuc. ruber
Lingula
Pyramis [vermis]
N. opticus
Nuc. med. profundus
Tr. opticus
Fiss. postero-lat.
Tr. mamillotegmentalis
Tr. tectospinalis
Uvula
Tr. habenulointerpedunc.
Nodulus
Ped. mamillaris
Tr. tectospinalis
Fibrae n. oculomotorii
Dec. pyramidum
Nuc. interpedunc.
Fasc. gracilis
Nuclei pontis
Lemniscus med.
Pyramis
Dec. lemnisc. med.
Corpus trapezoideum
Pyramis (R)
Tr. cerebrospinalis (R)
Tr. cerebrospinalis vent. (R)

Plate 61

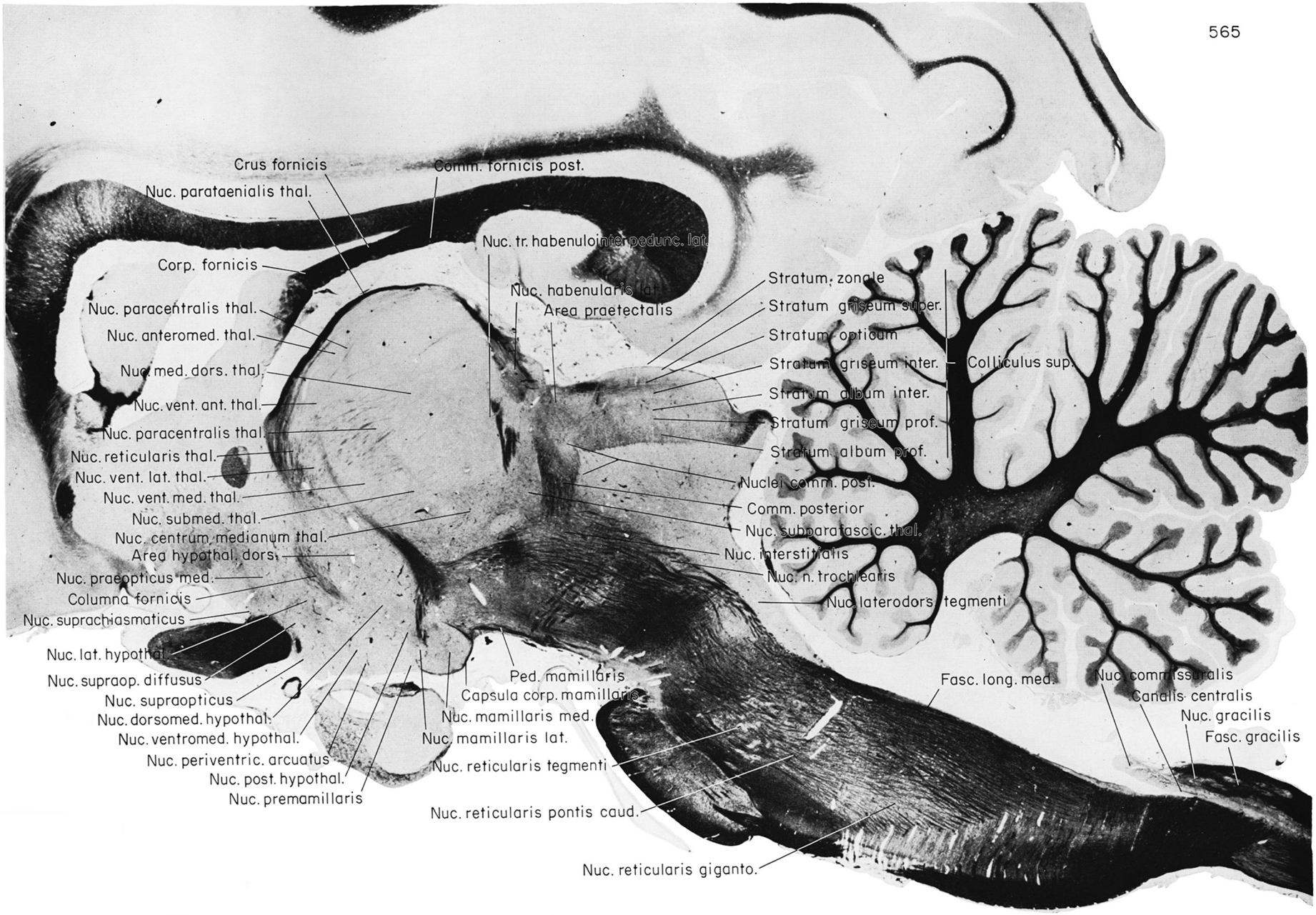

Crus fornicis
Comm. fornicis post.
Nuc. parataenialis thal.
Nuc. tr. habenulointerpedunc. lat.
Corp. fornicis
Nuc. habenularis lat.
Area praetectalis
Nuc. paracentralis thal.
Nuc. anteromed. thal.
Nuc. med. dors. thal.
Nuc. vent. ant. thal.
Nuc. paracentralis thal.
Nuc. reticularis thal.
Nuc. vent. lat. thal.
Nuc. vent. med. thal.
Nuc. submed. thal.
Nuc. centrum medianum thal.
Area hypothal. dors.
Nuc. praeopticus med.
Columna fornicis
Nuc. suprachiasmaticus
Nuc. lat. hypothal.
Nuc. supraop. diffusus
Nuc. supraopticus
Nuc. dorsomed. hypothal.
Nuc. ventromed. hypothal.
Nuc. periventric. arcuatus
Nuc. post. hypothal.
Nuc. premamillaris
Stratum zonale
Stratum griseum super.
Stratum opticum
Stratum griseum inter.
Stratum album inter.
Stratum griseum prof.
Stratum album prof.
Colliculus sup.
Nuclei comm. post.
Comm. posterior
Nuc. subparatascic. thal.
Nuc. interstitialis
Nuc. n. trochlearis
Nuc. laterodors. tegmenti
Ped. mamillaris
Capsula corp. mamillaris
Nuc. mamillaris med.
Nuc. mamillaris lat.
Nuc. reticularis tegmenti
Nuc. reticularis pontis caud.
Nuc. reticularis giganto.
Fasc. long. med.
Nuc. commissuralis
Canalis centralis
Nuc. gracilis
Fasc. gracilis

Plate 62

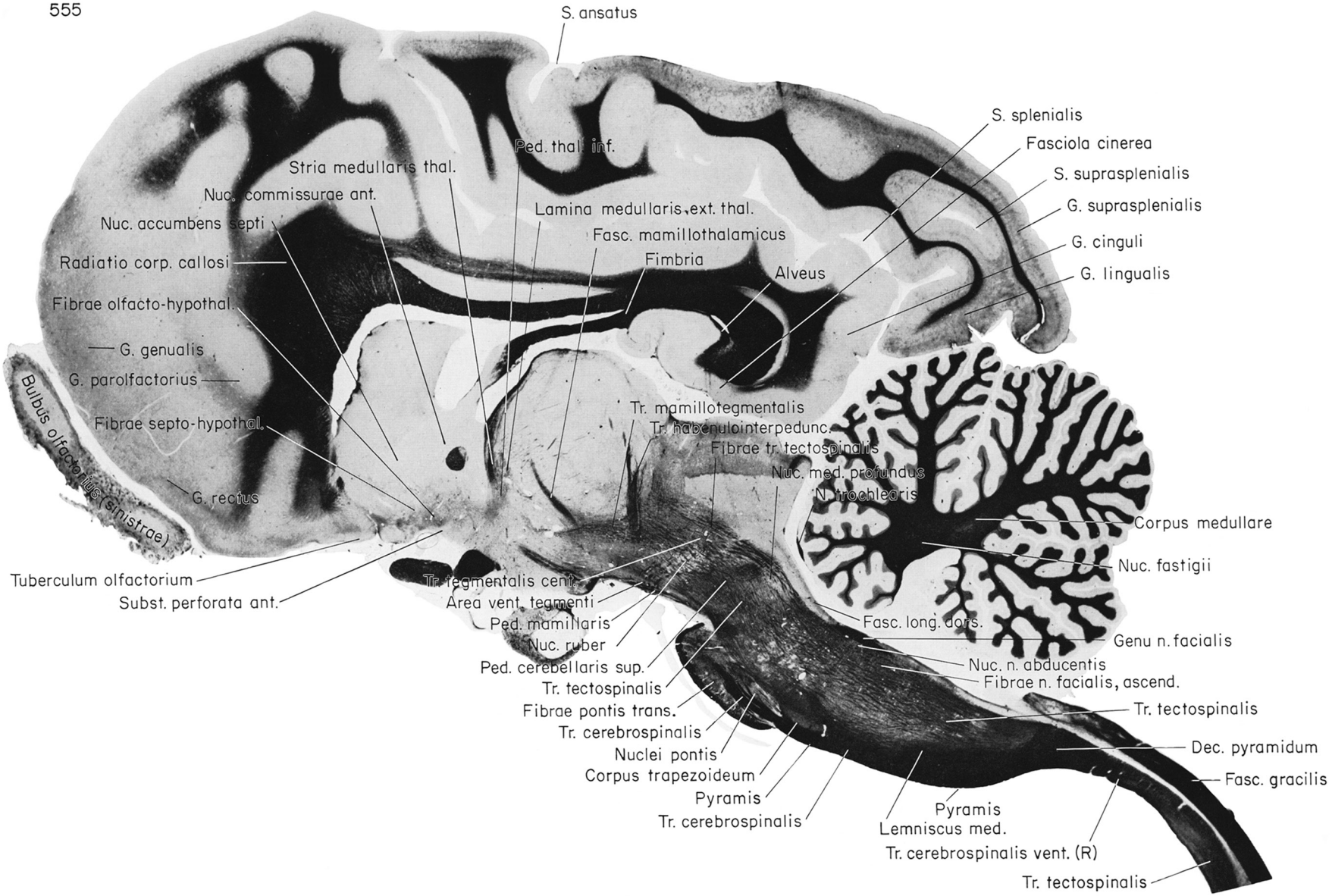

S. ansatus
S. splenialis
Fasciola cinerea
S. suprasplenialis
G. suprasplenialis
G. cinguli
G. lingualis
Ped. thal. inf.
Stria medullaris thal.
Nuc. commissurae ant.
Nuc. accumbens septi
Radiatio corp. callosi
Fibrae olfacto-hypothal.
G. genualis
G. parolfactorius
Fibrae septo-hypothal.
G. rectus
Bulbus olfactorius (sinistrae)
Tuberculum olfactorium
Subst. perforata ant.
Lamina medullaris ext. thal.
Fasc. mamillothalamicus
Fimbria
Alveus
Tr. mamillotegmentalis
Tr. habenulointerpedunc.
Fibrae tr. tectospinalis
Nuc. med. profundus
N. trochlearis
Corpus medullare
Nuc. fastigii
Tr. tegmentalis centr.
Area vent. tegmenti
Ped. mamillaris
Nuc. ruber
Ped. cerebellaris sup.
Tr. tectospinalis
Fibrae pontis trans.
Tr. cerebrospinalis
Nuclei pontis
Corpus trapezoideum
Pyramis
Tr. cerebrospinalis
Fasc. long. dors.
Genu n. facialis
Nuc. n. abducentis
Fibrae n. facialis, ascend.
Tr. tectospinalis
Dec. pyramidum
Fasc. gracilis
Pyramis
Lemniscus med.
Tr. cerebrospinalis vent. (R)
Tr. tectospinalis

Plate 63

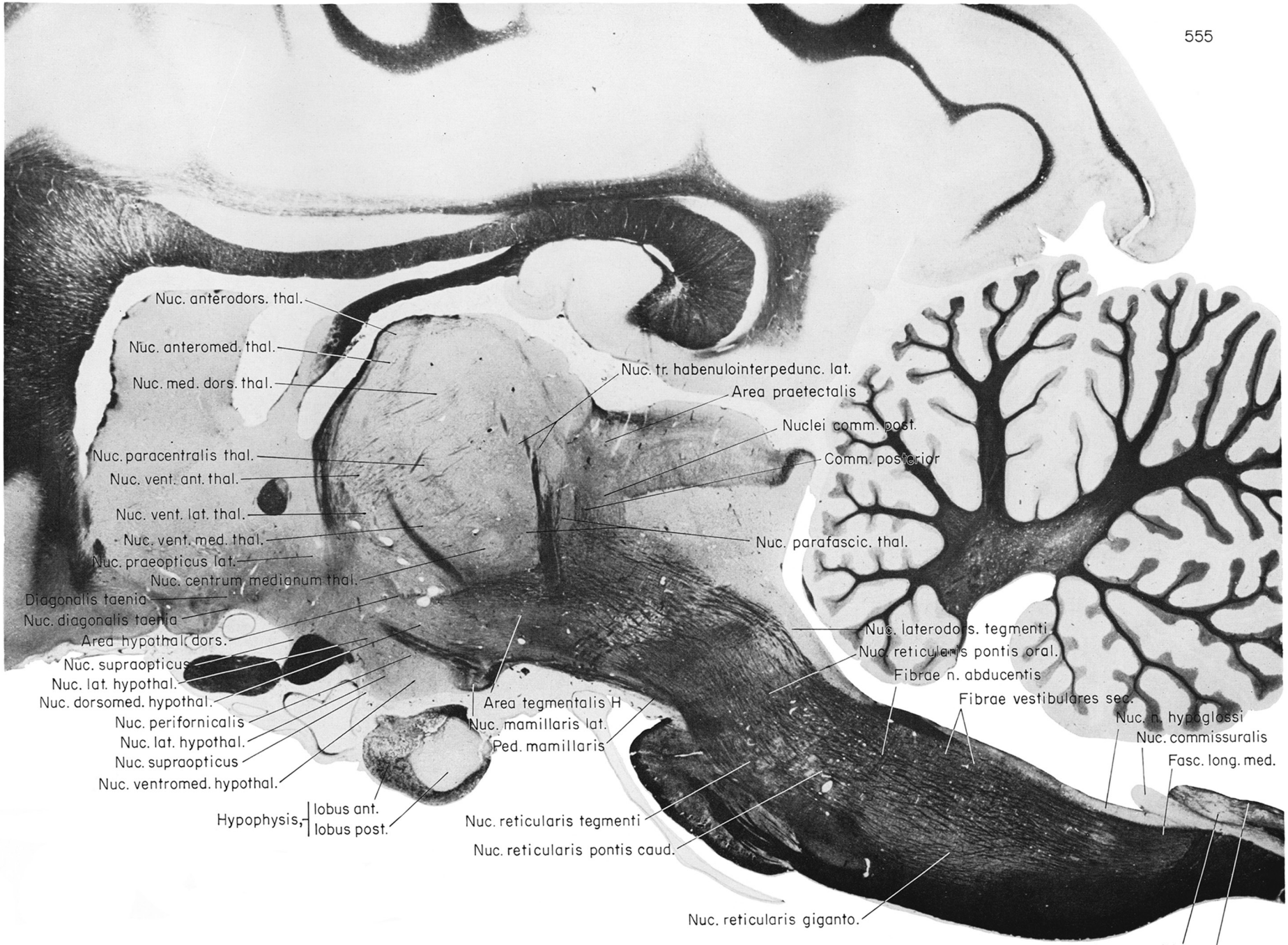

Nuc. anterodors. thal.
Nuc. anteromed. thal.
Nuc. med. dors. thal.
Nuc. paracentralis thal.
Nuc. vent. ant. thal.
Nuc. vent. lat. thal.
Nuc. vent. med. thal.
Nuc. praeopticus lat.
Nuc. centrum medianum thal.
Diagonalis taenia
Nuc. diagonalis taeniae
Area hypothal. dors.
Nuc. supraopticus
Nuc. lat. hypothal.
Nuc. dorsomed. hypothal.
Nuc. perifornicalis
Nuc. lat. hypothal.
Nuc. supraopticus
Nuc. ventromed. hypothal.
Hypophysis, lobus ant.
lobus post.
Nuc. tr. habenulointerpedunc. lat.
Area praetectalis
Nuclei comm. post.
Comm. posterior
Nuc. parafascic. thal.
Area tegmentalis H
Nuc. mamillaris lat.
Ped. mamillaris
Nuc. reticularis tegmenti
Nuc. reticularis pontis caud.
Nuc. reticularis giganto.
Nuc. laterodors. tegmenti
Nuc. reticularis pontis oral.
Fibrae n. abducentis
Fibrae vestibulares sec.
Nuc. n. hypoglossi
Nuc. commissuralis
Fasc. long. med.
Nuc. gracilis
Fasc. gracilis

Plate 64

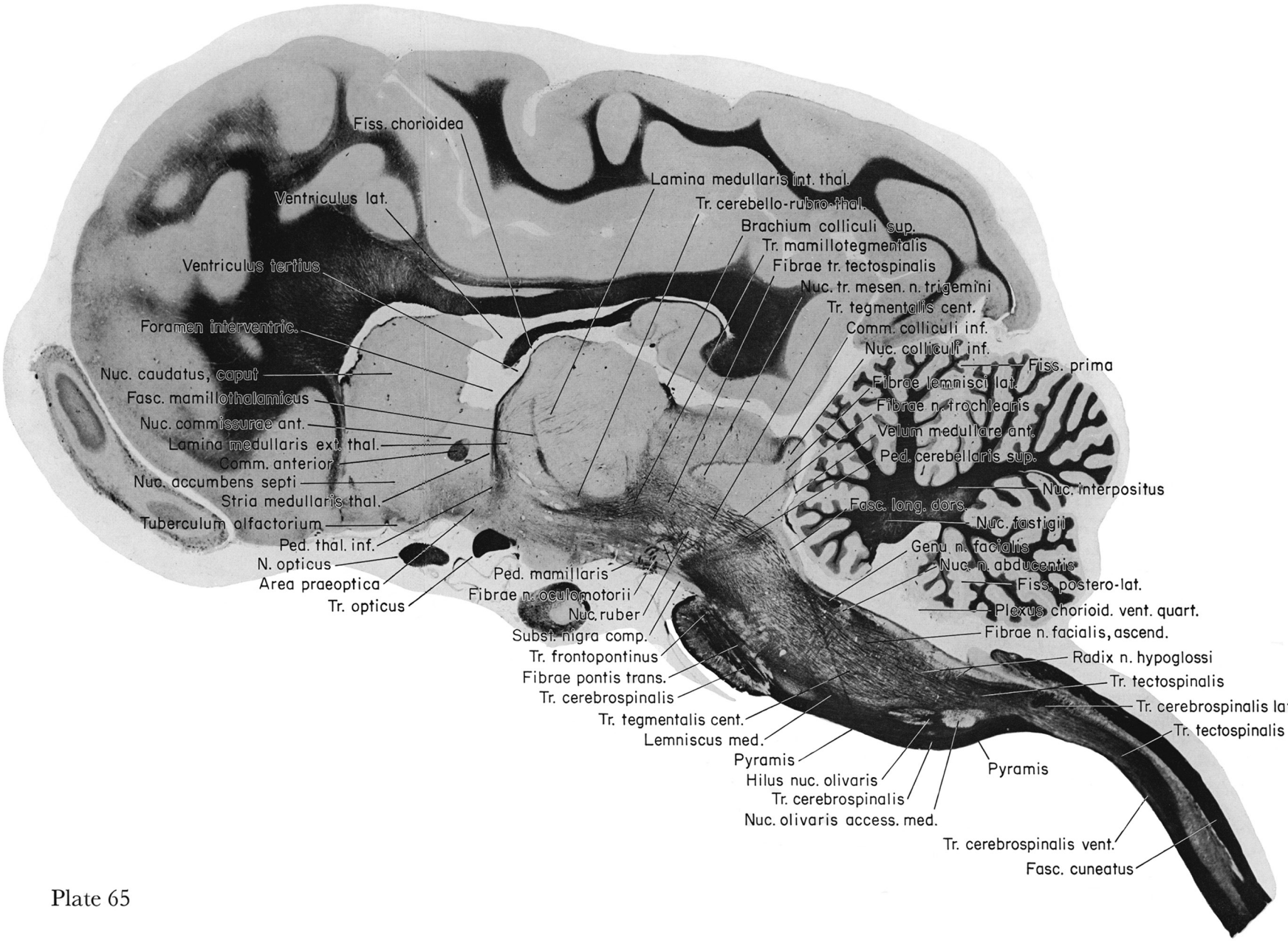

Fiss. chorioidea
Ventriculus lat.
Ventriculus tertius
Foramen interventric.
Nuc. caudatus, caput
Fasc. mamillothalamicus
Nuc. commissurae ant.
Lamina medullaris ext. thal.
Comm. anterior
Nuc. accumbens septi
Stria medullaris thal.
Tuberculum olfactorium
Ped. thal. inf.
N. opticus
Area praeoptica
Tr. opticus
Lamina medullaris int. thal.
Tr. cerebello-rubro-thal.
Brachium colliculi sup.
Tr. mamillotegmentalis
Fibrae tr. tectospinalis
Nuc. tr. mesen. n. trigemini
Tr. tegmentalis cent.
Comm. colliculi inf.
Nuc. colliculi inf.
Fiss. prima
Fibrae lemnisci lat.
Fibrae n. trochlearis
Velum medullare ant.
Ped. cerebellaris sup.
Nuc. interpositus
Fasc. long. dors.
Nuc. fastigii
Genu n. facialis
Nuc. n. abducentis
Fiss. postero-lat.
Plexus chorioid. vent. quart.
Fibrae n. facialis, ascend.
Radix n. hypoglossi
Tr. tectospinalis
Tr. cerebrospinalis lat.
Tr. tectospinalis
Pyramis
Ped. mamillaris
Fibrae n. oculomotorii
Nuc. ruber
Subst. nigra comp.
Tr. frontopontinus
Fibrae pontis trans.
Tr. cerebrospinalis
Tr. tegmentalis cent.
Lemniscus med.
Pyramis
Hilus nuc. olivaris
Tr. cerebrospinalis
Nuc. olivaris access. med.
Tr. cerebrospinalis vent.
Fasc. cuneatus

Plate 65

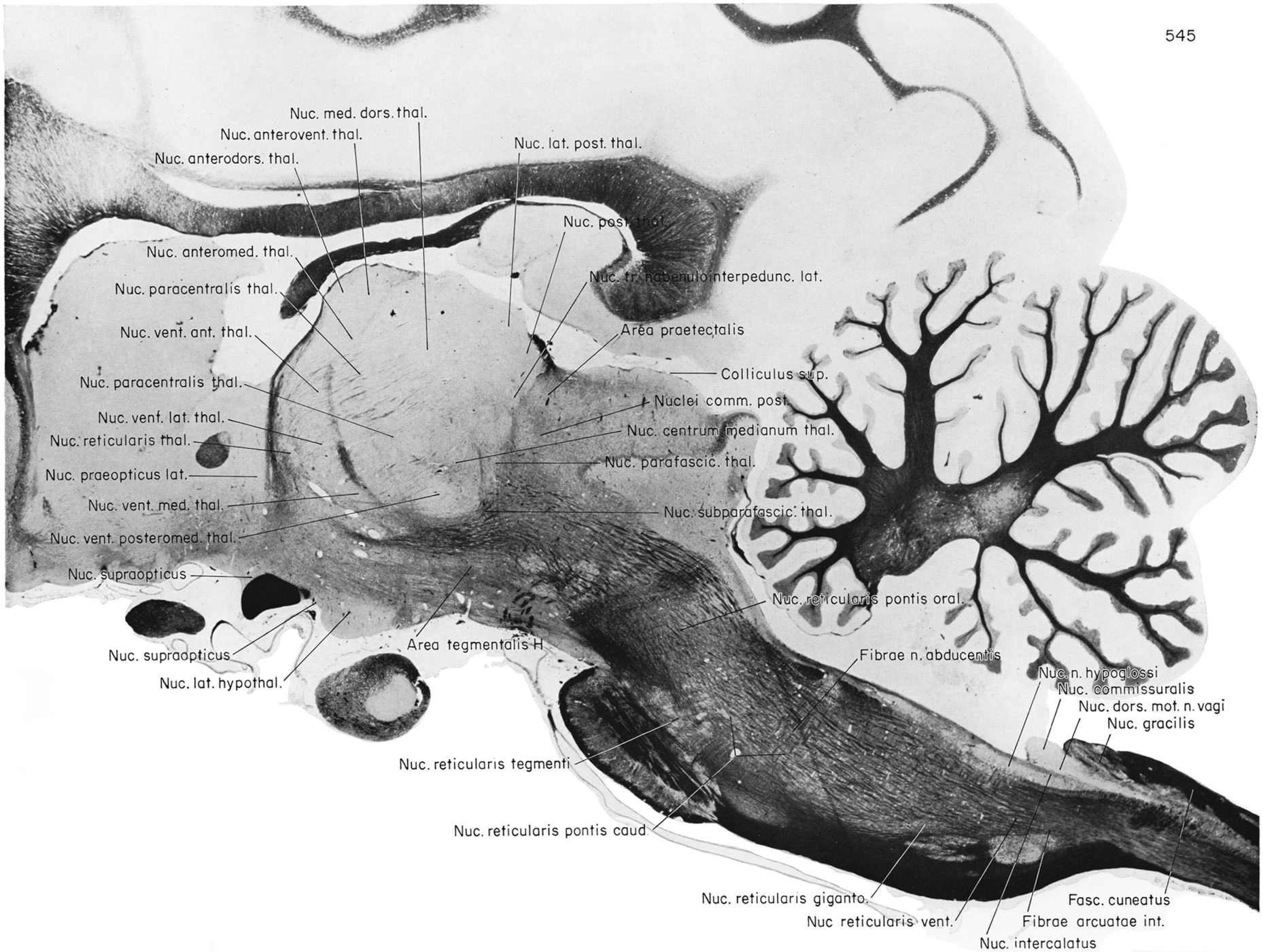

Nuc. med. dors. thal.
Nuc. anterovent. thal.
Nuc. anterodors. thal.
Nuc. lat. post. thal.
Nuc. post. thal.
Nuc. anteromed. thal.
Nuc. tr. habenulointerpedunc. lat.
Nuc. paracentralis thal.
Area praetectalis
Nuc. vent. ant. thal.
Colliculus sup.
Nuc. paracentralis thal.
Nuclei comm. post.
Nuc. vent. lat. thal.
Nuc. centrum medianum thal.
Nuc. reticularis thal.
Nuc. parafascic. thal.
Nuc. praeopticus lat.
Nuc. vent. med. thal.
Nuc. subparafascic. thal.
Nuc. vent. posteromed. thal.
Nuc. supraopticus
Nuc. reticularis pontis oral.
Area tegmentalis H
Nuc. supraopticus
Fibrae n. abducentis
Nuc. lat. hypothal.
Nuc. n. hypoglossi
Nuc. commissuralis
Nuc. dors. mot. n. vagi
Nuc. gracilis
Nuc. reticularis tegmenti
Nuc. reticularis pontis caud
Nuc. reticularis giganto.
Fasc. cuneatus
Nuc reticularis vent.
Fibrae arcuatae int.
Nuc. intercalatus

Plate 66

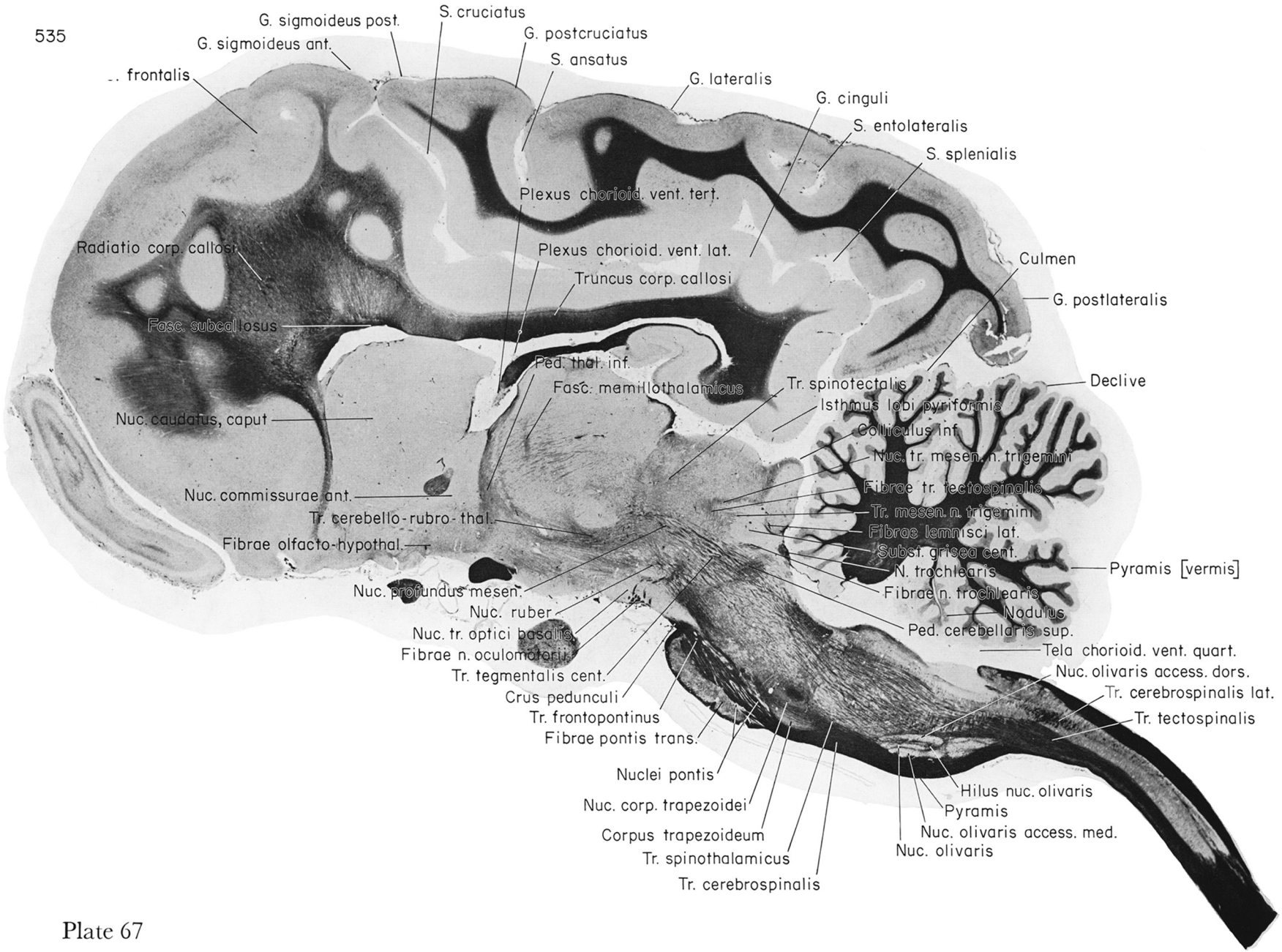

G. sigmoideus post.
S. cruciatus
G. sigmoideus ant.
G. postcruciatus
S. ansatus
G. frontalis
G. lateralis
G. cinguli
S. entolateralis
S. splenialis
Plexus chorioid. vent. tert.
Radiatio corp. callosi
Plexus chorioid. vent. lat.
Truncus corp. callosi
Culmen
G. postlateralis
Fasc. subcallosus
Ped. thal. inf.
Fasc. mamillothalamicus
Tr. spinotectalis
Declive
Isthmus lobi pyriformis
Nuc. caudatus, caput
Colliculus inf.
Nuc. tr. mesen. n. trigemini
Fibrae tr. tectospinalis
Nuc. commissurae ant.
Tr. mesen. n. trigemini
Tr. cerebello-rubro-thal.
Fibrae lemnisci lat.
Fibrae olfacto-hypothal.
Subst. grisea cent.
N. trochlearis
Pyramis [vermis]
Nuc. profundus mesen.
Fibrae n. trochlearis
Nuc. ruber
Nodulus
Ped. cerebellaris sup.
Nuc. tr. optici basalis
Tela chorioid. vent. quart.
Fibrae n. oculomotorii
Nuc. olivaris access. dors.
Tr. tegmentalis cent.
Tr. cerebrospinalis lat.
Crus pedunculi
Tr. frontopontinus
Tr. tectospinalis
Fibrae pontis trans.
Nuclei pontis
Hilus nuc. olivaris
Nuc. corp. trapezoidei
Pyramis
Corpus trapezoideum
Nuc. olivaris access. med.
Nuc. olivaris
Tr. spinothalamicus
Tr. cerebrospinalis

Plate 67

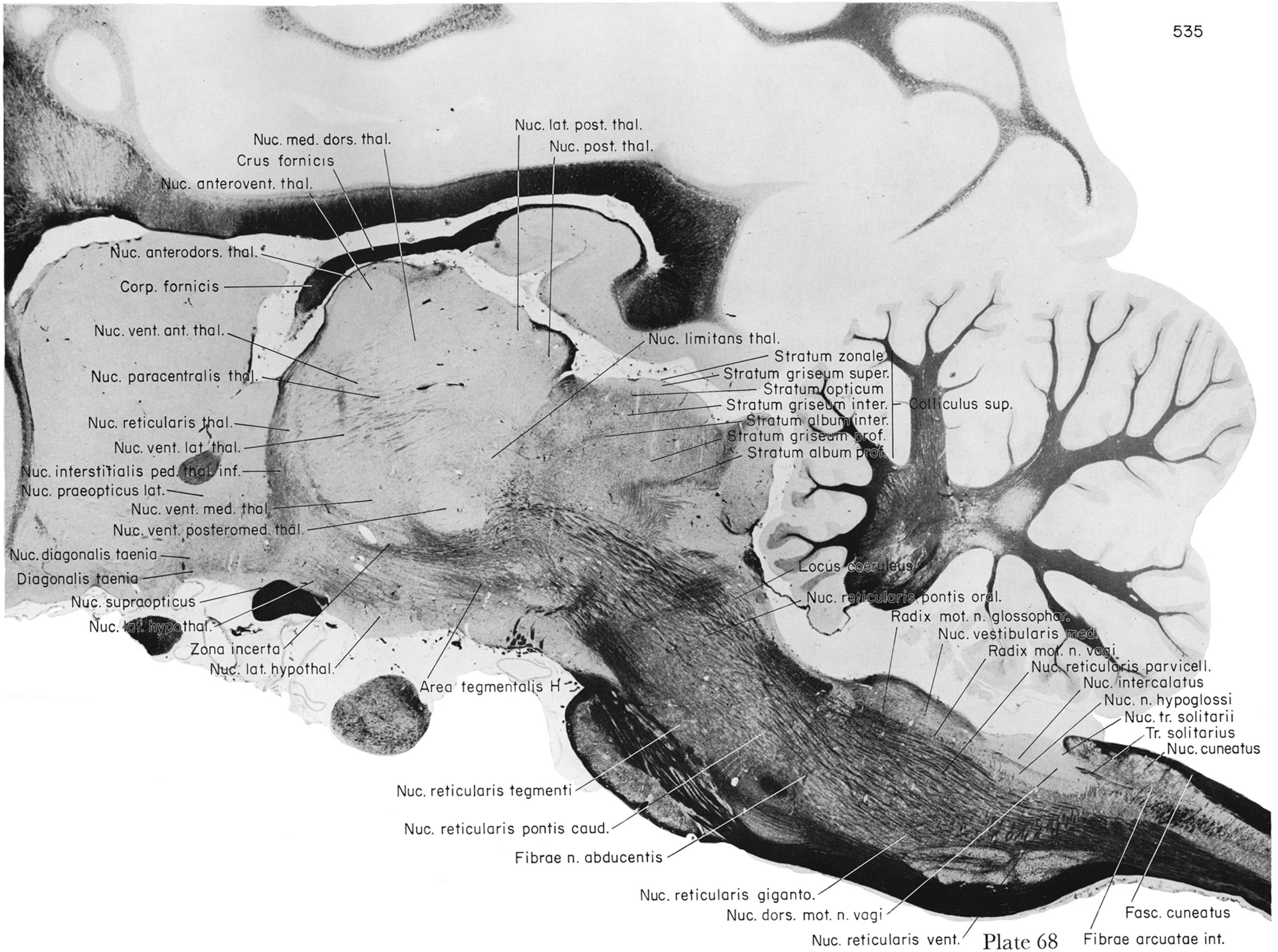

Nuc. med. dors. thal.
Crus fornicis
Nuc. anterovent. thal.
Nuc. lat. post. thal.
Nuc. post. thal.
Nuc. anterodors. thal.
Corp. fornicis
Nuc. vent. ant. thal.
Nuc. paracentralis thal.
Nuc. reticularis thal.
Nuc. vent. lat. thal.
Nuc. interstitialis ped. thal. inf.
Nuc. praeopticus lat.
Nuc. vent. med. thal.
Nuc. vent. posteromed. thal.
Nuc. diagonalis taenia
Diagonalis taenia
Nuc. supraopticus
Nuc. lat. hypothal.
Zona incerta
Nuc. lat. hypothal.
Area tegmentalis H
Nuc. limitans thal.
Stratum zonale
Stratum griseum super.
Stratum opticum
Stratum griseum inter.
Stratum album inter.
Stratum griseum prof.
Stratum album prof.
Colliculus sup.
Locus coeruleus
Nuc. reticularis pontis oral.
Radix mot. n. glossophar.
Nuc. vestibularis med.
Radix mot. n. vagi
Nuc. reticularis parvicell.
Nuc. intercalatus
Nuc. n. hypoglossi
Nuc. tr. solitarii
Tr. solitarius
Nuc. cuneatus
Nuc. reticularis tegmenti
Nuc. reticularis pontis caud.
Fibrae n. abducentis
Nuc. reticularis giganto.
Nuc. dors. mot. n. vagi
Nuc. reticularis vent.
Fasc. cuneatus
Fibrae arcuatae int.

Plate 68

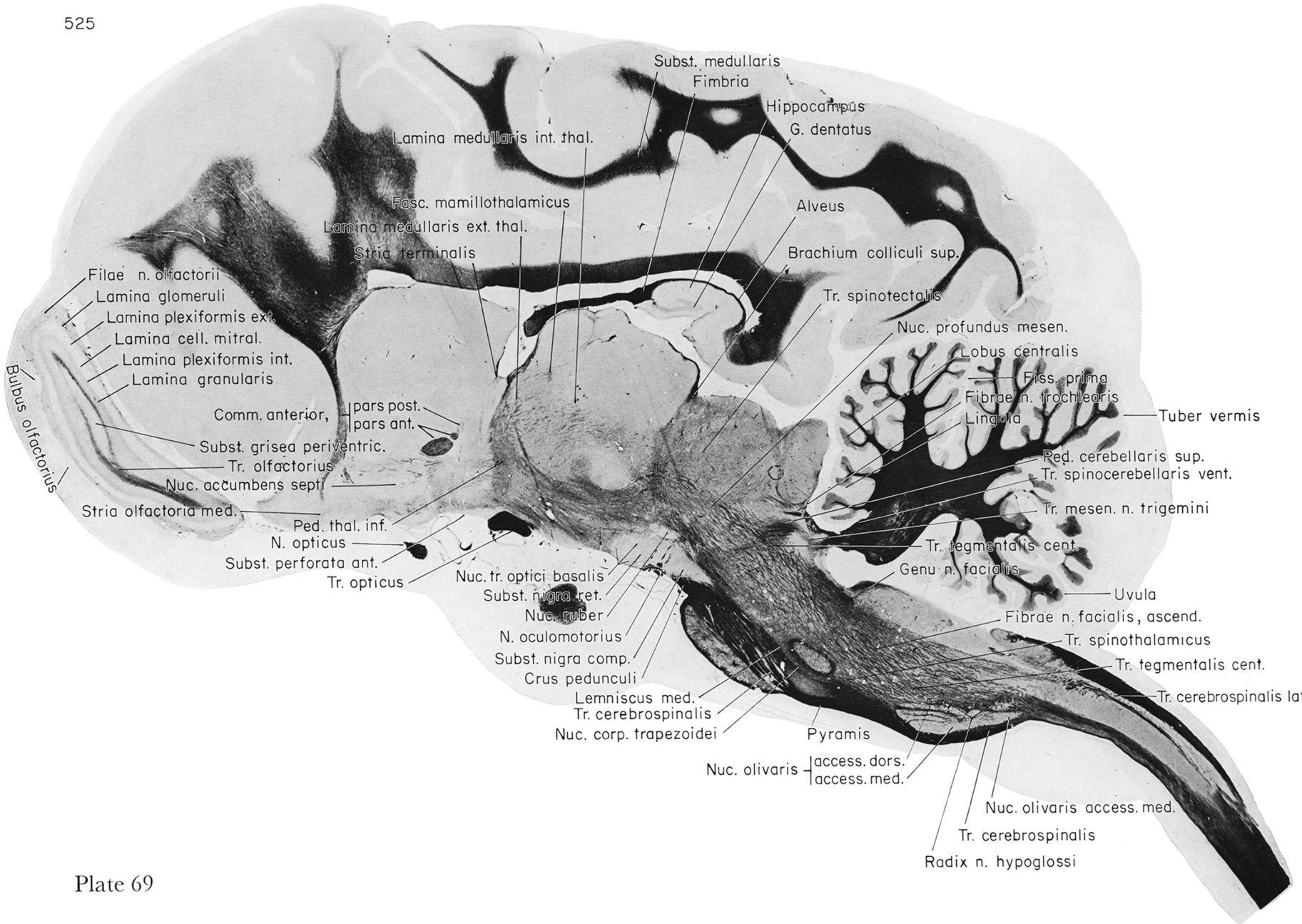

Subst. medullaris
Fimbria
Hippocampus
G. dentatus
Lamina medullaris int. thal.
Fasc. mamillothalamicus
Lamina medullaris ext. thal.
Stria terminalis
Alveus
Brachium colliculi sup.
Tr. spinotectalis
Filae n. olfactorii
Lamina glomeruli
Lamina plexiformis ext.
Lamina cell. mitral.
Lamina plexiformis int.
Lamina granularis
Bulbus olfactorius
Nuc. profundus mesen.
Lobus centralis
Fiss. prima
Fibrae n. trochlearis
Lingula
Tuber vermis
Comm. anterior, pars post. pars ant.
Subst. grisea periventric.
Tr. olfactorius
Nuc. accumbens septi
Red. cerebellaris sup.
Tr. spinocerebellaris vent.
Stria olfactoria med.
Ped. thal. inf.
N. opticus
Subst. perforata ant.
Tr. opticus
Tr. mesen. n. trigemini
Tr. tegmentalis cent.
Genu n. facialis
Nuc. tr. optici basalis
Subst. nigra ret.
Nuc. ruber
N. oculomotorius
Subst. nigra comp.
Crus pedunculi
Uvula
Fibrae n. facialis, ascend.
Tr. spinothalamicus
Tr. tegmentalis cent.
Tr. cerebrospinalis lat.
Lemniscus med.
Tr. cerebrospinalis
Nuc. corp. trapezoidei
Pyramis
Nuc. olivaris access. dors. access. med.
Nuc. olivaris access. med.
Tr. cerebrospinalis
Radix n. hypoglossi

Plate 69

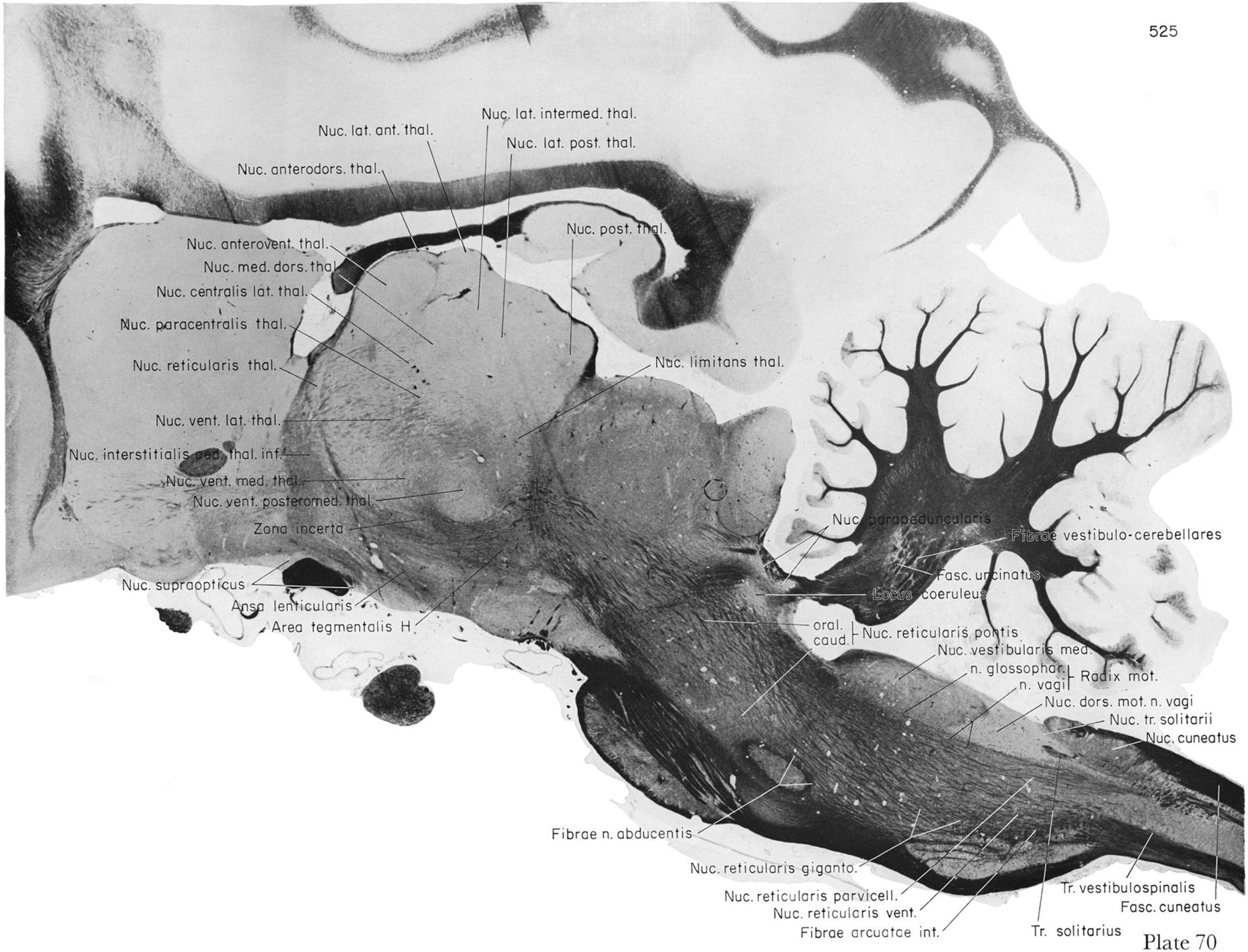

Nuc. lat. intermed. thal.
Nuc. lat. ant. thal.
Nuc. lat. post. thal.
Nuc. anterodors. thal.
Nuc. post. thal.
Nuc. anterovent. thal.
Nuc. med. dors. thal.
Nuc. centralis lat. thal.
Nuc. paracentralis thal.
Nuc. reticularis thal.
Nuc. limitans thal.
Nuc. vent. lat. thal.
Nuc. interstitialis ped. thal. inf.
Nuc. vent. med. thal.
Nuc. vent. posteromed. thal.
Zona incerta
Nuc. parapeduncularis
Fibrae vestibulo-cerebellares
Fasc. uncinatus
Nuc. supraopticus
Locus coeruleus
Ansa lenticularis
Area tegmentalis H
oral.
caud.
Nuc. reticularis pontis
Nuc. vestibularis med.
n. glossophar.
n. vagi
Radix mot.
Nuc. dors. mot. n. vagi
Nuc. tr. solitarii
Nuc. cuneatus
Fibrae n. abducentis
Nuc. reticularis giganto.
Nuc. reticularis parvicell.
Nuc. reticularis vent.
Fibrae arcuatae int.
Tr. solitarius
Tr. vestibulospinalis
Fasc. cuneatus

Plate 70

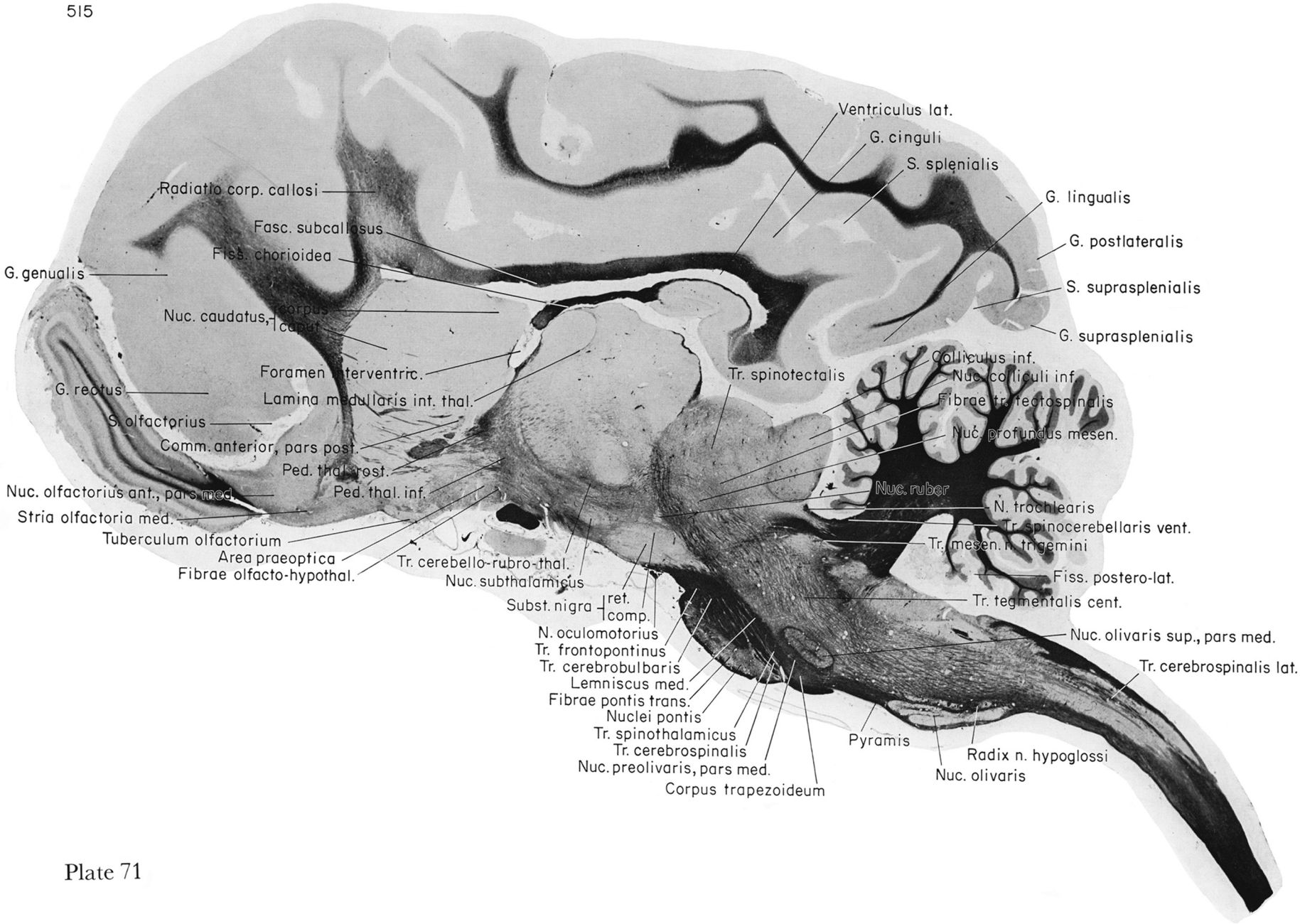

Ventriculus lat.
G. cinguli
S. splenialis
G. lingualis
G. postlateralis
S. suprasplenialis
G. suprasplenialis
Radiatio corp. callosi
Fasc. subcallosus
Fiss. chorioidea
G. genualis
Nuc. caudatus, corpus
Nuc. caudatus, caput
Foramen interventric.
Lamina medullaris int. thal.
G. rectus
S. olfactorius
Comm. anterior, pars post.
Ped. thal. rost.
Ped. thal. inf.
Nuc. olfactorius ant., pars med.
Stria olfactoria med.
Tuberculum olfactorium
Area praeoptica
Fibrae olfacto-hypothal.
Tr. cerebello-rubro-thal.
Nuc. subthalamicus
Subst. nigra ret.
Subst. nigra comp.
N. oculomotorius
Tr. frontopontinus
Tr. cerebrobulbaris
Lemniscus med.
Fibrae pontis trans.
Nuclei pontis
Tr. spinothalamicus
Tr. cerebrospinalis
Nuc. preolivaris, pars med.
Corpus trapezoideum
Tr. spinotectalis
Colliculus inf.
Nuc. colliculi inf.
Fibrae tr. tectospinalis
Nuc. profundus mesen.
Nuc. ruber
N. trochlearis
Tr. spinocerebellaris vent.
Tr. mesen. n. trigemini
Fiss. postero-lat.
Tr. tegmentalis cent.
Nuc. olivaris sup., pars med.
Tr. cerebrospinalis lat.
Pyramis
Radix n. hypoglossi
Nuc. olivaris

Plate 71

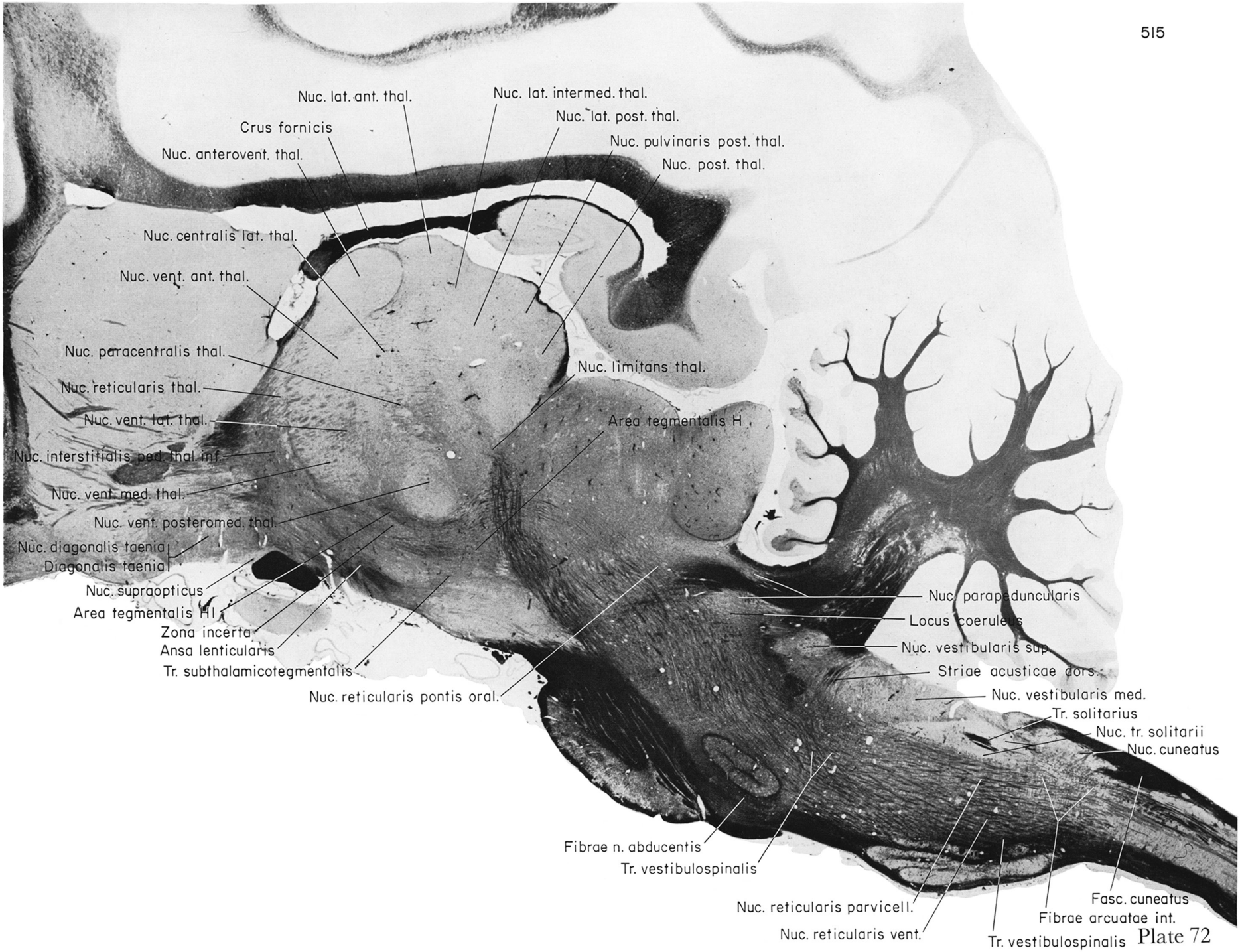

Nuc. lat. ant. thal.
Nuc. lat. intermed. thal.
Nuc. lat. post. thal.
Crus fornicis
Nuc. pulvinaris post. thal.
Nuc. anterovent. thal.
Nuc. post. thal.
Nuc. centralis lat. thal.
Nuc. vent. ant. thal.
Nuc. paracentralis thal.
Nuc. limitans thal.
Nuc. reticularis thal.
Area tegmentalis H
Nuc. vent. lat. thal.
Nuc. interstitialis ped. thal. inf.
Nuc. vent. med. thal.
Nuc. vent. posteromed. thal.
Nuc. diagonalis taenia
Diagonalis taenia
Nuc. supraopticus
Area tegmentalis H1
Zona incerta
Ansa lenticularis
Tr. subthalamicotegmentalis
Nuc. reticularis pontis oral.
Nuc. parapeduncularis
Locus coeruleus
Nuc. vestibularis sup.
Striae acusticae dors.
Nuc. vestibularis med.
Tr. solitarius
Nuc. tr. solitarii
Nuc. cuneatus
Fibrae n. abducentis
Tr. vestibulospinalis
Nuc. reticularis parvicell.
Nuc. reticularis vent.
Fasc. cuneatus
Fibrae arcuatae int.
Tr. vestibulospinalis

Plate 72

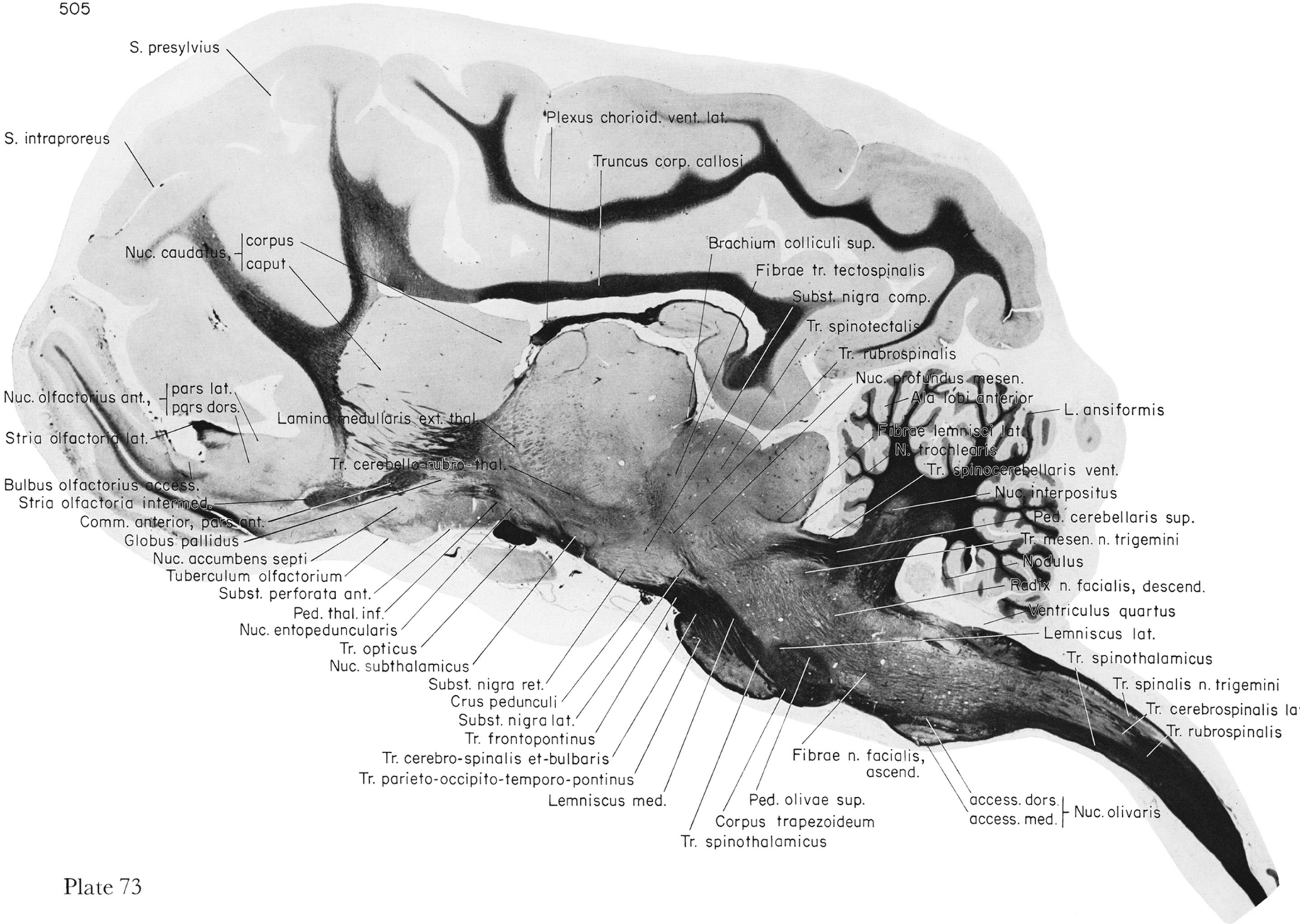

S. presylvius
S. intraproreus
Nuc. caudatus, corpus
caput
Plexus chorioid. vent. lat.
Truncus corp. callosi
Brachium colliculi sup.
Fibrae tr. tectospinalis
Subst. nigra comp.
Tr. spinotectalis
Tr. rubrospinalis
Nuc. profundus mesen.
Ala lobi anterior
L. ansiformis
Fibrae lemnisci lat.
N. trochlearis
Tr. spinocerebellaris vent.
Nuc. interpositus
Ped. cerebellaris sup.
Tr. mesen. n. trigemini
Nodulus
Radix n. facialis, descend.
Ventriculus quartus
Lemniscus lat.
Tr. spinothalamicus
Tr. spinalis n. trigemini
Tr. cerebrospinalis lat.
Tr. rubrospinalis
Nuc. olfactorius ant., pars lat.
pars dors.
Stria olfactoria lat.
Lamina medullaris ext. thal.
Tr. cerebello-rubro-thal.
Bulbus olfactorius access.
Stria olfactoria intermed.
Comm. anterior, pars ant.
Globus pallidus
Nuc. accumbens septi
Tuberculum olfactorium
Subst. perforata ant.
Ped. thal. inf.
Nuc. entopeduncularis
Tr. opticus
Nuc. subthalamicus
Subst. nigra ret.
Crus pedunculi
Subst. nigra lat.
Tr. frontopontinus
Tr. cerebro-spinalis et-bulbaris
Tr. parieto-occipito-temporo-pontinus
Lemniscus med.
Tr. spinothalamicus
Corpus trapezoideum
Ped. olivae sup.
Fibrae n. facialis, ascend.
access. dors.
access. med.
Nuc. olivaris

Plate 73

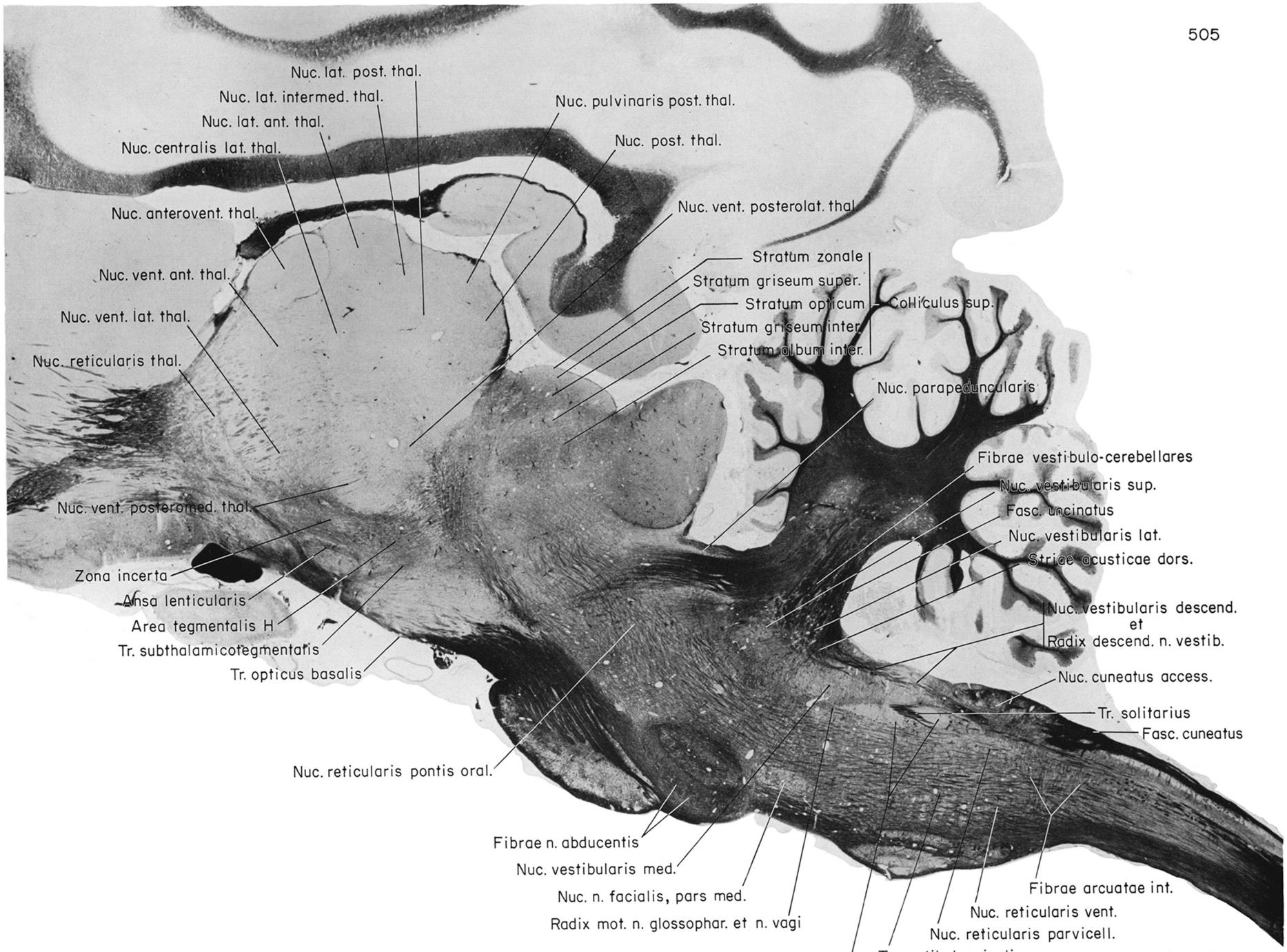

Nuc. lat. post. thal.
Nuc. lat. intermed. thal.
Nuc. lat. ant. thal.
Nuc. centralis lat. thal.
Nuc. pulvinaris post. thal.
Nuc. post. thal.
Nuc. anterovent. thal.
Nuc. vent. posterolat. thal.
Nuc. vent. ant. thal.
Nuc. vent. lat. thal.
Nuc. reticularis thal.
Stratum zonale
Stratum griseum super.
Stratum opticum
Stratum griseum inter.
Stratum album inter.
Colliculus sup.
Nuc. parapeduncularis
Fibrae vestibulo-cerebellares
Nuc. vestibularis sup.
Fasc. uncinatus
Nuc. vestibularis lat.
Striae acusticae dors.
Nuc. vent. posteromed. thal.
Zona incerta
Ansa lenticularis
Area tegmentalis H
Tr. subthalamicotegmentalis
Tr. opticus basalis
Nuc. vestibularis descend.
et
Radix descend. n. vestib.
Nuc. cuneatus access.
Tr. solitarius
Fasc. cuneatus
Nuc. reticularis pontis oral.
Fibrae n. abducentis
Nuc. vestibularis med.
Nuc. n. facialis, pars med.
Radix mot. n. glossophar. et n. vagi
Fibrae arcuatae int.
Nuc. reticularis vent.
Nuc. reticularis parvicell.
Tr. vestibulospinalis
Nuc. tr. solitarii

Plate 74

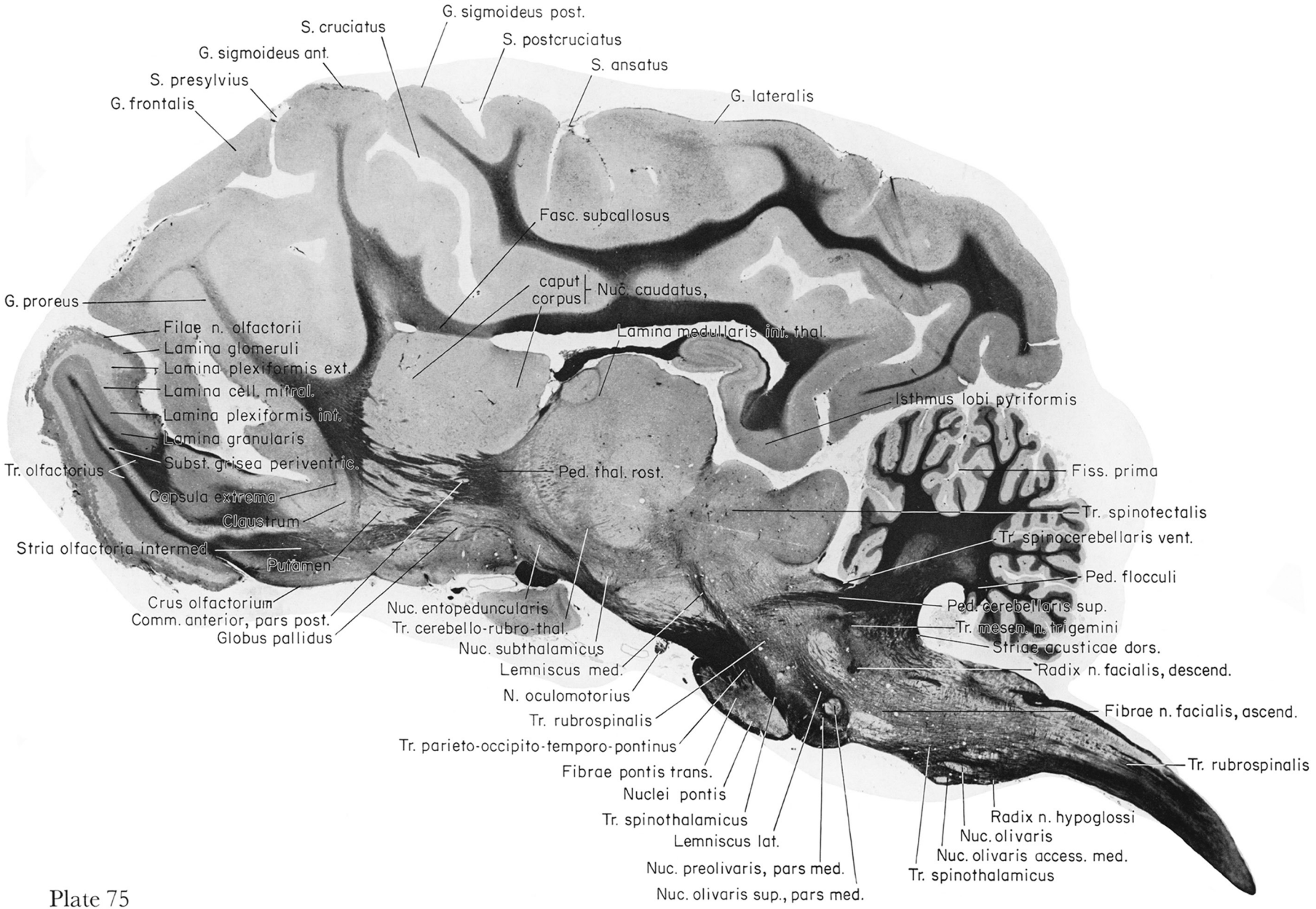

S. cruciatus
G. sigmoideus post.
S. postcruciatus
G. sigmoideus ant.
S. ansatus
S. presylvius
G. lateralis
G. frontalis
Fasc. subcallosus
caput
corpus
Nuc. caudatus,
G. proreus
Lamina medullaris int. thal.
Filae n. olfactorii
Lamina glomeruli
Lamina plexiformis ext.
Lamina cell. mitral.
Isthmus lobi pyriformis
Lamina plexiformis int.
Lamina granularis
Subst. grisea periventric.
Tr. olfactorius
Ped. thal. rost.
Fiss. prima
Capsula extrema
Tr. spinotectalis
Claustrum
Tr. spinocerebellaris vent.
Stria olfactoria intermed.
Putamen
Ped. flocculi
Crus olfactorium
Nuc. entopeduncularis
Ped. cerebellaris sup.
Comm. anterior, pars post.
Tr. cerebello-rubro-thal.
Tr. mesen. n. trigemini
Globus pallidus
Nuc. subthalamicus
Striae acusticae dors.
Lemniscus med.
Radix n. facialis, descend.
N. oculomotorius
Fibrae n. facialis, ascend.
Tr. rubrospinalis
Tr. parieto-occipito-temporo-pontinus
Tr. rubrospinalis
Fibrae pontis trans.
Nuclei pontis
Radix n. hypoglossi
Tr. spinothalamicus
Nuc. olivaris
Lemniscus lat.
Nuc. olivaris access. med.
Nuc. preolivaris, pars med.
Tr. spinothalamicus
Nuc. olivaris sup., pars med.

Plate 75

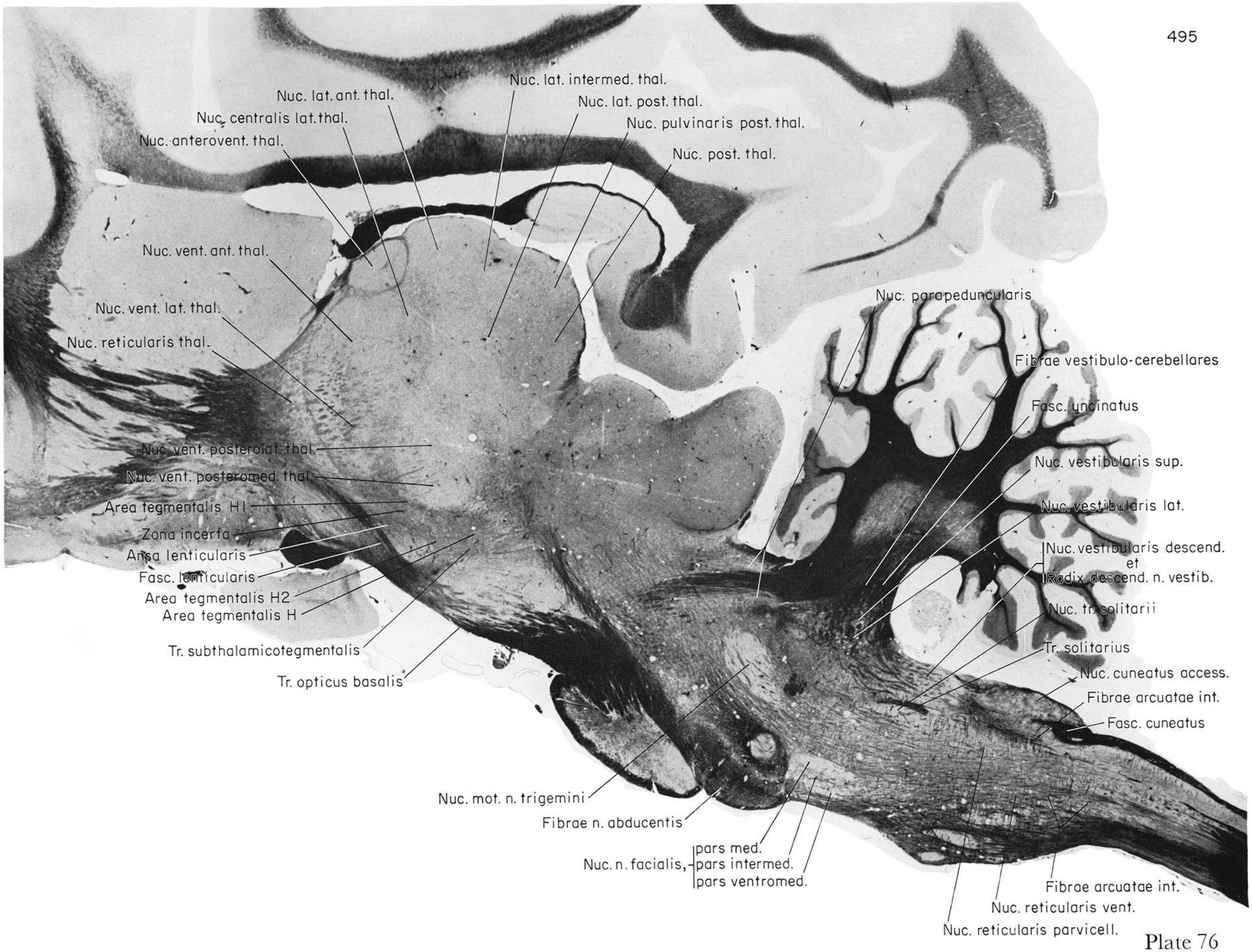

Nuc. lat. intermed. thal.
Nuc. lat. ant. thal.
Nuc. lat. post. thal.
Nuc. centralis lat. thal.
Nuc. pulvinaris post. thal.
Nuc. anterovent. thal.
Nuc. post. thal.
Nuc. vent. ant. thal.
Nuc. parapeduncularis
Nuc. vent. lat. thal.
Nuc. reticularis thal.
Fibrae vestibulo-cerebellares
Fasc. uncinatus
Nuc. vent. posterolat. thal.
Nuc. vestibularis sup.
Nuc. vent. posteromed. thal.
Area tegmentalis H1
Nuc. vestibularis lat.
Zona incerta
Ansa lenticularis
Nuc. vestibularis descend.
et
Radix descend. n. vestib.
Fasc. lenticularis
Area tegmentalis H2
Nuc. tr. solitarii
Area tegmentalis H
Tr. solitarius
Tr. subthalamicotegmentalis
Nuc. cuneatus access.
Tr. opticus basalis
Fibrae arcuatae int.
Fasc. cuneatus
Nuc. mot. n. trigemini
Fibrae n. abducentis
pars med.
Nuc. n. facialis, pars intermed.
pars ventromed.
Fibrae arcuatae int.
Nuc. reticularis vent.
Nuc. reticularis parvicell.

Plate 76

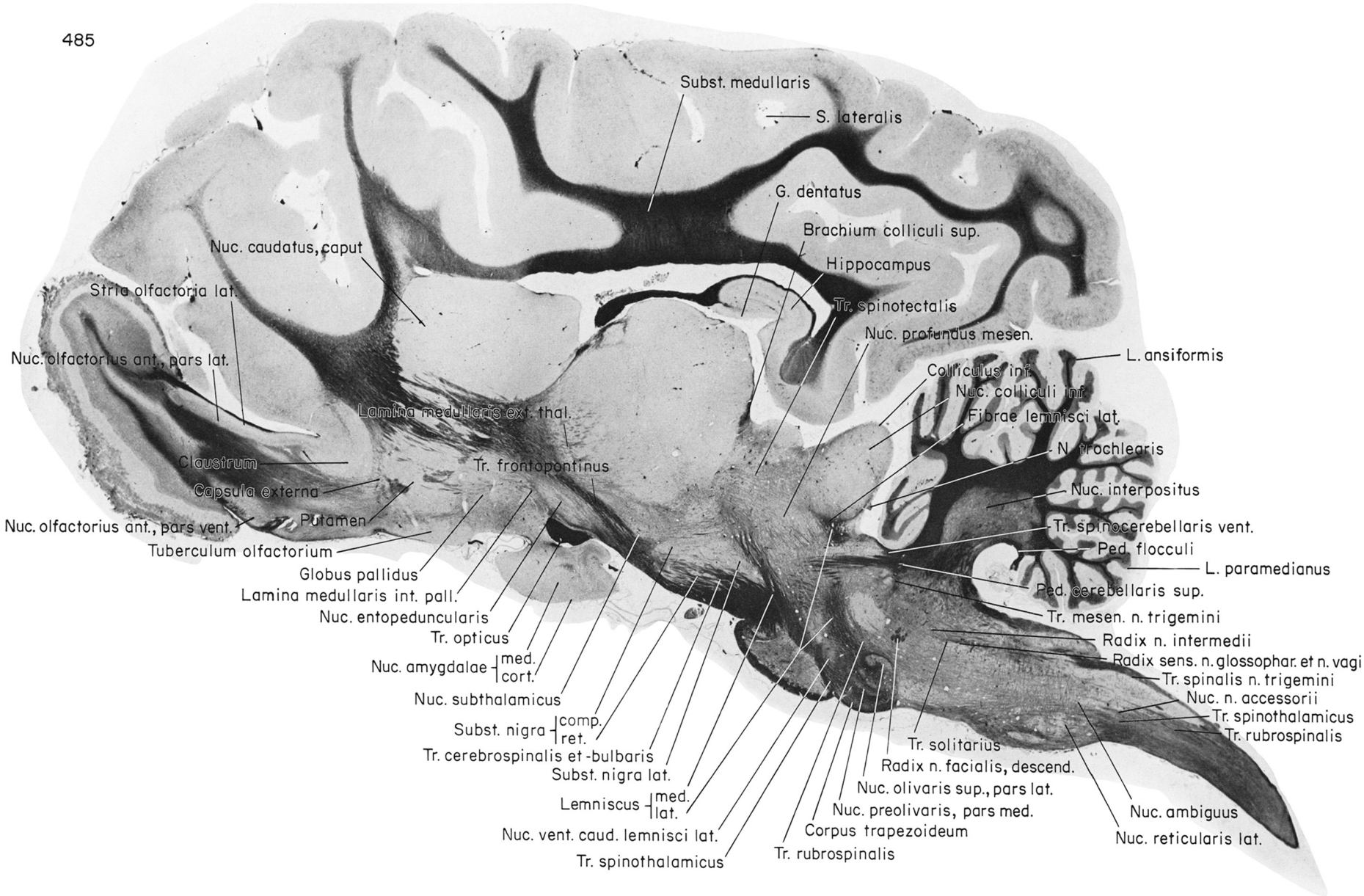

Subst. medullaris
S. lateralis
G. dentatus
Brachium colliculi sup.
Hippocampus
Tr. spinotectalis
Nuc. profundus mesen.
Nuc. caudatus, caput
Stria olfactoria lat.
Nuc. olfactorius ant., pars lat.
Lamina medullaris ext. thal.
Claustrum
Capsula externa
Putamen
Nuc. olfactorius ant., pars vent.
Tuberculum olfactorium
Tr. frontopontinus
Globus pallidus
Lamina medullaris int. pall.
Nuc. entopeduncularis
Tr. opticus
Nuc. amygdalae med. cort.
Nuc. subthalamicus
Subst. nigra comp. ret.
Tr. cerebrospinalis et -bulbaris
Subst. nigra lat.
Lemniscus med. lat.
Nuc. vent. caud. lemnisci lat.
Tr. spinothalamicus
Tr. rubrospinalis
Corpus trapezoideum
Nuc. preolivaris, pars med.
Nuc. olivaris sup., pars lat.
Radix n. facialis, descend.
Tr. solitarius
L. ansiformis
Colliculus inf.
Nuc. colliculi inf.
Fibrae lemnisci lat.
N. trochlearis
Nuc. interpositus
Tr. spinocerebellaris vent.
Ped. flocculi
L. paramedianus
Ped. cerebellaris sup.
Tr. mesen. n. trigemini
Radix n. intermedii
Radix sens. n. glossophar. et n. vagi
Tr. spinalis n. trigemini
Nuc. n. accessorii
Tr. spinothalamicus
Tr. rubrospinalis
Nuc. ambiguus
Nuc. reticularis lat.

Plate 77

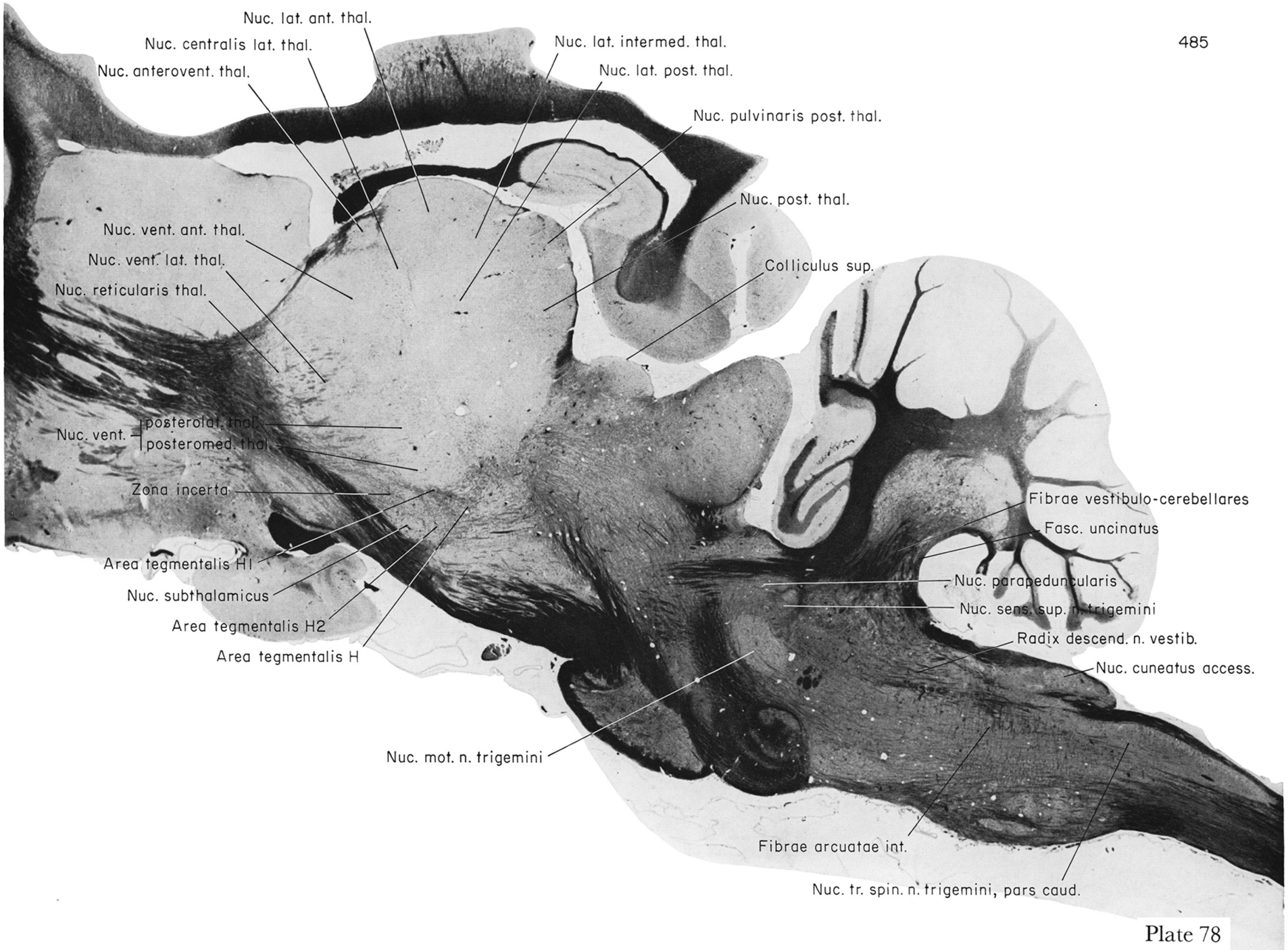

Nuc. lat. ant. thal.
Nuc. centralis lat. thal.
Nuc. anterovent. thal.
Nuc. lat. intermed. thal.
Nuc. lat. post. thal.
Nuc. pulvinaris post. thal.
Nuc. post. thal.
Nuc. vent. ant. thal.
Nuc. vent. lat. thal.
Nuc. reticularis thal.
Colliculus sup.
Nuc. vent. posterolat. thal.
Nuc. vent. posteromed. thal.
Zona incerta
Area tegmentalis H1
Nuc. subthalamicus
Area tegmentalis H2
Area tegmentalis H
Fibrae vestibulo-cerebellares
Fasc. uncinatus
Nuc. parapeduncularis
Nuc. sens. sup. n. trigemini
Radix descend. n. vestib.
Nuc. cuneatus access.
Nuc. mot. n. trigemini
Fibrae arcuatae int.
Nuc. tr. spin. n. trigemini, pars caud.

Plate 78

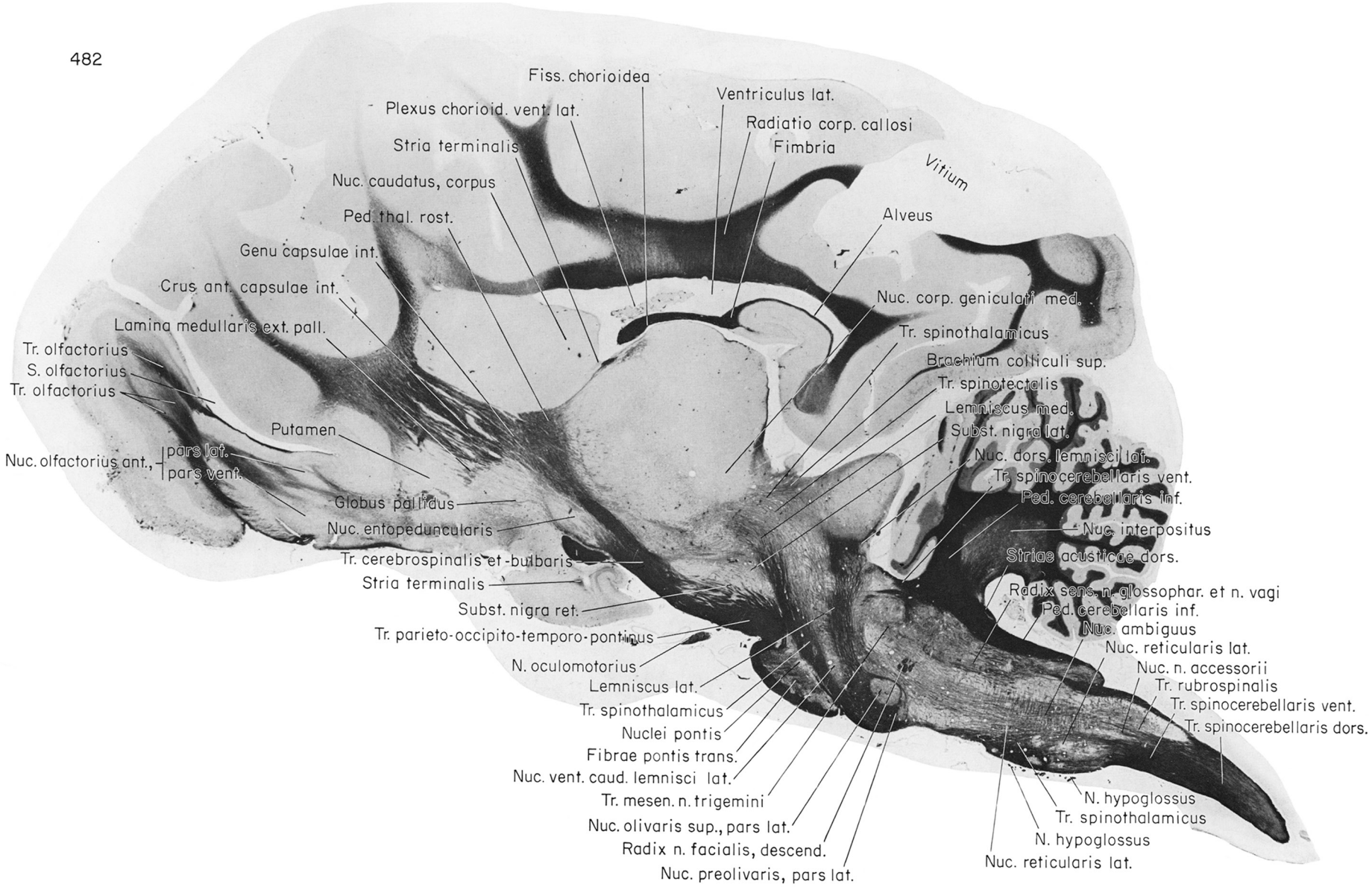

Fiss. chorioidea
Ventriculus lat.
Plexus chorioid. vent. lat.
Radiatio corp. callosi
Stria terminalis
Fimbria
Vitium
Nuc. caudatus, corpus
Alveus
Ped. thal. rost.
Genu capsulae int.
Crus ant. capsulae int.
Nuc. corp. geniculati med.
Lamina medullaris ext. pall.
Tr. spinothalamicus
Tr. olfactorius
S. olfactorius
Tr. olfactorius
Brachium colliculi sup.
Tr. spinotectalis
Lemniscus med.
Subst. nigra lat.
Putamen
Nuc. olfactorius ant., pars lat. pars vent.
Nuc. dors. lemnisci lat.
Tr. spinocerebellaris vent.
Ped. cerebellaris inf.
Globus pallidus
Nuc. interpositus
Nuc. entopeduncularis
Striae acusticae dors.
Tr. cerebrospinalis et -bulbaris
Stria terminalis
Radix sens. n. glossophar. et n. vagi
Subst. nigra ret.
Ped. cerebellaris inf.
Tr. parieto-occipito-temporo-pontinus
Nuc. ambiguus
N. oculomotorius
Nuc. reticularis lat.
Lemniscus lat.
Nuc. n. accessorii
Tr. spinothalamicus
Tr. rubrospinalis
Nuclei pontis
Tr. spinocerebellaris vent.
Fibrae pontis trans.
Tr. spinocerebellaris dors.
Nuc. vent. caud. lemnisci lat.
N. hypoglossus
Tr. mesen. n. trigemini
Tr. spinothalamicus
Nuc. olivaris sup., pars lat.
N. hypoglossus
Radix n. facialis, descend.
Nuc. reticularis lat.
Nuc. preolivaris, pars lat.

Plate 79

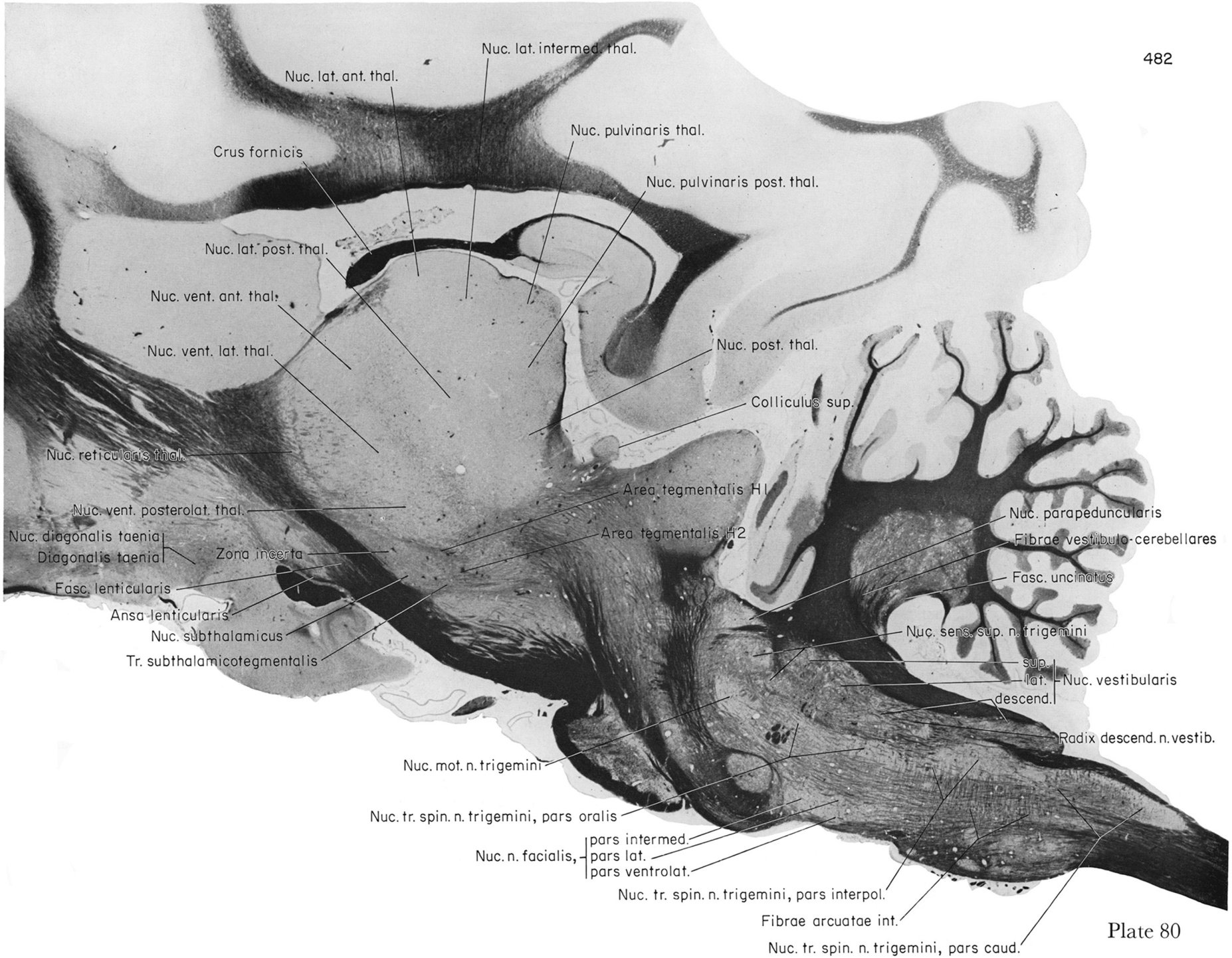

Nuc. lat. intermed. thal.
Nuc. lat. ant. thal.
Nuc. pulvinaris thal.
Crus fornicis
Nuc. pulvinaris post. thal.
Nuc. lat. post. thal.
Nuc. vent. ant. thal.
Nuc. vent. lat. thal.
Nuc. post. thal.
Colliculus sup.
Nuc. reticularis thal.
Area tegmentalis H1
Nuc. vent. posterolat. thal.
Area tegmentalis H2
Nuc. parapeduncularis
Nuc. diagonalis taenia
Diagonalis taenia
Zona incerta
Fibrae vestibulo-cerebellares
Fasc. uncinatus
Fasc. lenticularis
Ansa lenticularis
Nuc. subthalamicus
Tr. subthalamicotegmentalis
Nuc. sens. sup. n. trigemini
sup.
lat.
descend.
Nuc. vestibularis
Radix descend. n. vestib.
Nuc. mot. n. trigemini
Nuc. tr. spin. n. trigemini, pars oralis
Nuc. n. facialis,
pars intermed.
pars lat.
pars ventrolat.
Nuc. tr. spin. n. trigemini, pars interpol.
Fibrae arcuatae int.
Nuc. tr. spin. n. trigemini, pars caud.

Plate 80

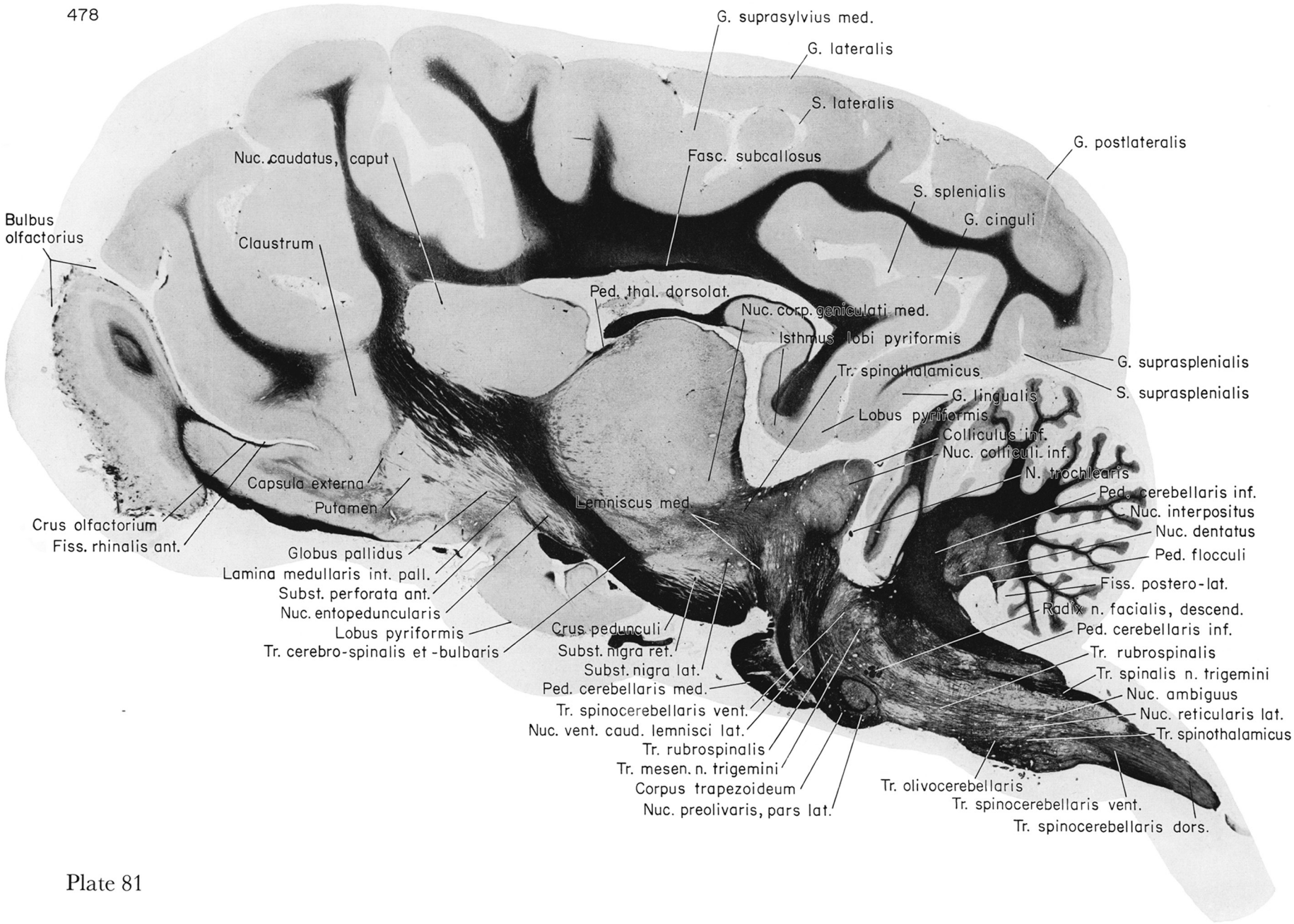

G. suprasylvius med.
G. lateralis
S. lateralis
G. postlateralis
Nuc. caudatus, caput
Fasc. subcallosus
S. splenialis
G. cinguli
Bulbus olfactorius
Claustrum
Ped. thal. dorsolat.
Nuc. corp. geniculati med.
Isthmus lobi pyriformis
G. suprasplenialis
Tr. spinothalamicus
S. suprasplenialis
G. lingualis
Lobus pyriformis
Colliculus inf.
Nuc. colliculi inf.
N. trochlearis
Capsula externa
Putamen
Lemniscus med.
Ped. cerebellaris inf.
Nuc. interpositus
Crus olfactorium
Fiss. rhinalis ant.
Nuc. dentatus
Globus pallidus
Ped. flocculi
Lamina medullaris int. pall.
Fiss. postero-lat.
Subst. perforata ant.
Radix n. facialis, descend.
Nuc. entopeduncularis
Crus pedunculi
Ped. cerebellaris inf.
Lobus pyriformis
Subst. nigra ret.
Tr. rubrospinalis
Tr. cerebro-spinalis et -bulbaris
Subst. nigra lat.
Tr. spinalis n. trigemini
Ped. cerebellaris med.
Nuc. ambiguus
Tr. spinocerebellaris vent.
Nuc. reticularis lat.
Nuc. vent. caud. lemnisci lat.
Tr. spinothalamicus
Tr. rubrospinalis
Tr. mesen. n. trigemini
Tr. olivocerebellaris
Corpus trapezoideum
Tr. spinocerebellaris vent.
Nuc. preolivaris, pars lat.
Tr. spinocerebellaris dors.

Plate 81

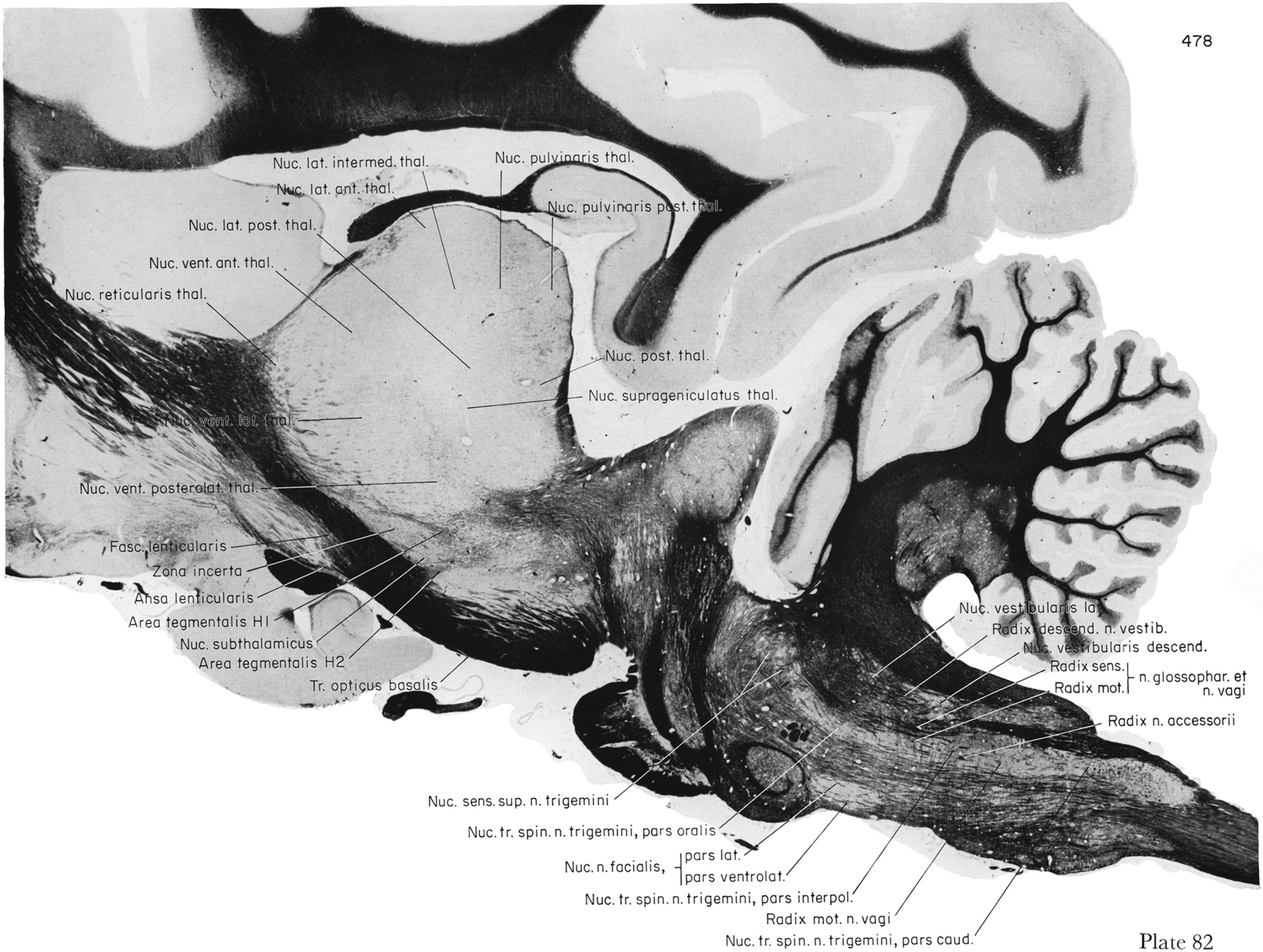

Nuc. lat. intermed. thal.
Nuc. pulvinaris thal.
Nuc. lat. ant. thal.
Nuc. pulvinaris post. thal.
Nuc. lat. post. thal.
Nuc. vent. ant. thal.
Nuc. reticularis thal.
Nuc. post. thal.
Nuc. supragenicularis thal.
Nuc. vent. lat. thal.
Nuc. vent. posterolat. thal.
Fasc. lenticularis
Zona incerta
Ansa lenticularis
Area tegmentalis H1
Nuc. subthalamicus
Area tegmentalis H2
Tr. opticus basalis
Nuc. vestibularis lat.
Radix descend. n. vestib.
Nuc. vestibularis descend.
Radix sens.
Radix mot.
n. glossophar. et n. vagi
Radix n. accessorii
Nuc. sens. sup. n. trigemini
Nuc. tr. spin. n. trigemini, pars oralis
Nuc. n. facialis, pars lat.
pars ventrolat.
Nuc. tr. spin. n. trigemini, pars interpol.
Radix mot. n. vagi
Nuc. tr. spin. n. trigemini, pars caud.

Plate 82

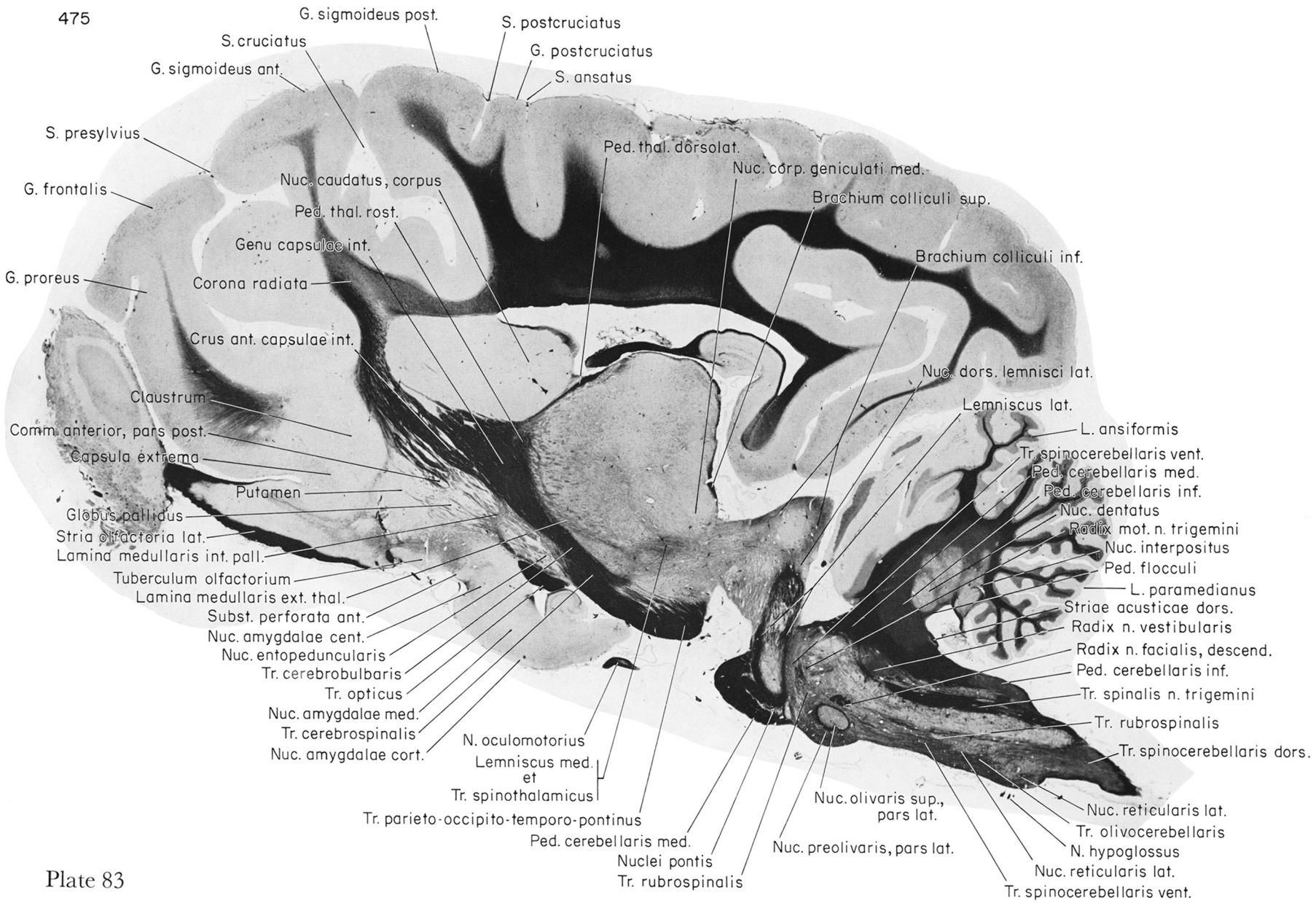

G. sigmoideus post.
S. postcruciatus
S. cruciatus
G. postcruciatus
G. sigmoideus ant.
S. ansatus
S. presylvius
Ped. thal. dorsolat.
Nuc. corp. geniculati med.
G. frontalis
Nuc. caudatus, corpus
Brachium colliculi sup.
Ped. thal. rost.
Genu capsulae int.
Brachium colliculi inf.
G. proreus
Corona radiata
Crus ant. capsulae int.
Nuc. dors. lemnisci lat.
Claustrum
Lemniscus lat.
Comm. anterior, pars post.
L. ansiformis
Capsula extrema
Tr. spinocerebellaris vent.
Ped. cerebellaris med.
Putamen
Ped. cerebellaris inf.
Globus pallidus
Nuc. dentatus
Stria olfactoria lat.
Radix mot. n. trigemini
Lamina medullaris int. pall.
Nuc. interpositus
Tuberculum olfactorium
Ped. flocculi
Lamina medullaris ext. thal.
L. paramedianus
Subst. perforata ant.
Striae acusticae dors.
Nuc. amygdalae cent.
Radix n. vestibularis
Nuc. entopeduncularis
Radix n. facialis, descend.
Tr. cerebrobulbaris
Ped. cerebellaris inf.
Tr. opticus
Tr. spinalis n. trigemini
Nuc. amygdalae med.
Tr. rubrospinalis
Tr. cerebrospinalis
N. oculomotorius
Tr. spinocerebellaris dors.
Nuc. amygdalae cort.
Lemniscus med. et Tr. spinothalamicus
Nuc. olivaris sup., pars lat.
Nuc. reticularis lat.
Tr. parieto-occipito-temporo-pontinus
Tr. olivocerebellaris
Ped. cerebellaris med.
N. hypoglossus
Nuc. preolivaris, pars lat.
Nuclei pontis
Nuc. reticularis lat.
Tr. rubrospinalis
Tr. spinocerebellaris vent.

Plate 83

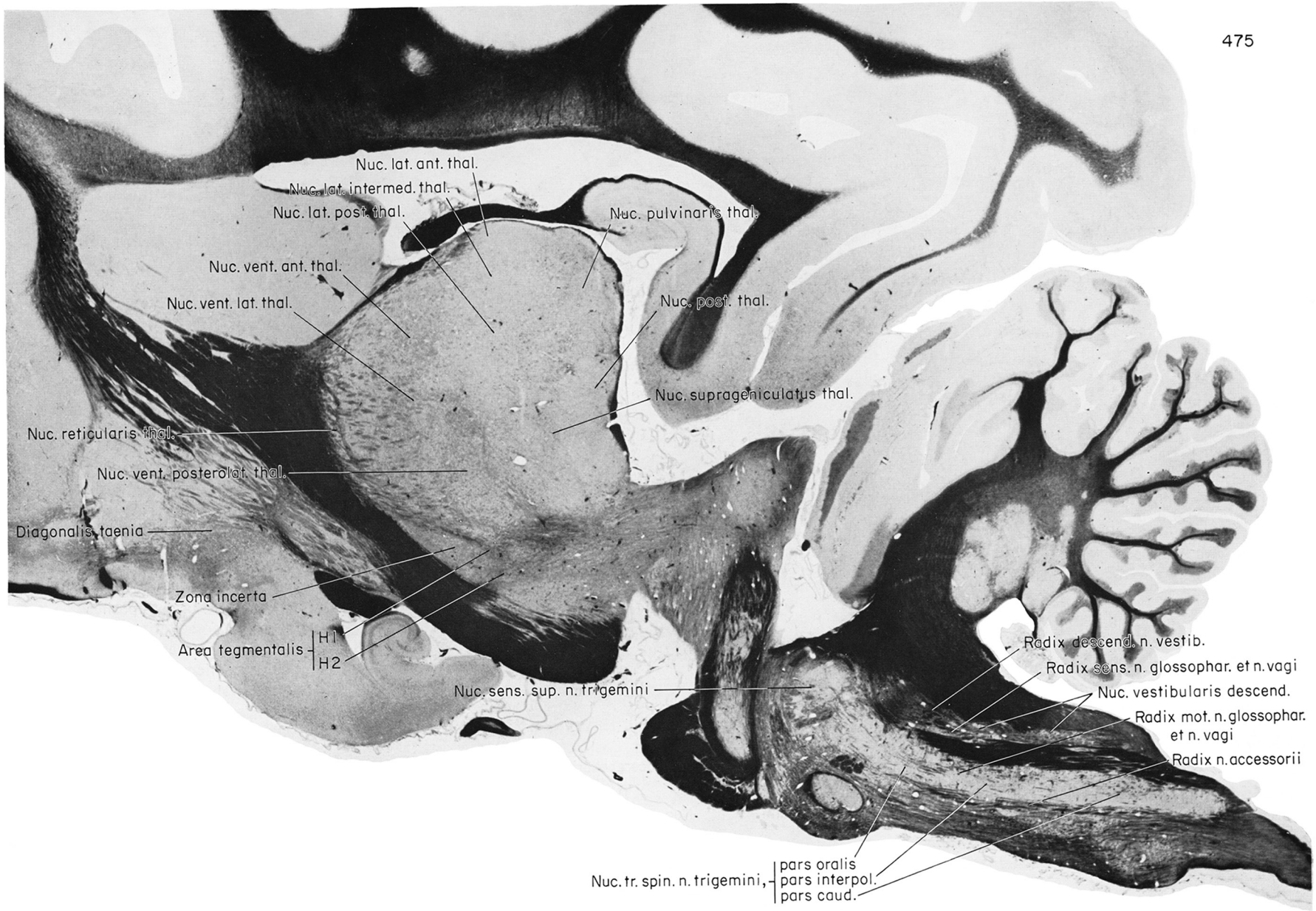

Nuc. lat. ant. thal.
Nuc. lat. intermed. thal.
Nuc. lat. post. thal.
Nuc. pulvinaris thal.
Nuc. vent. ant. thal.
Nuc. vent. lat. thal.
Nuc. post. thal.
Nuc. supragenículatus thal.
Nuc. reticularis thal.
Nuc. vent. posterolat. thal.
Diagonalis, taenia
Zona incerta
Area tegmentalis
H1
H2
Nuc. sens. sup. n. trigemini
Radix descend. n. vestib.
Radix sens. n. glossophar. et n. vagi
Nuc. vestibularis descend.
Radix mot. n. glossophar. et n. vagi
Radix n. accessorii
Nuc. tr. spin. n. trigemini,
pars oralis
pars interpol.
pars caud.

Plate 84

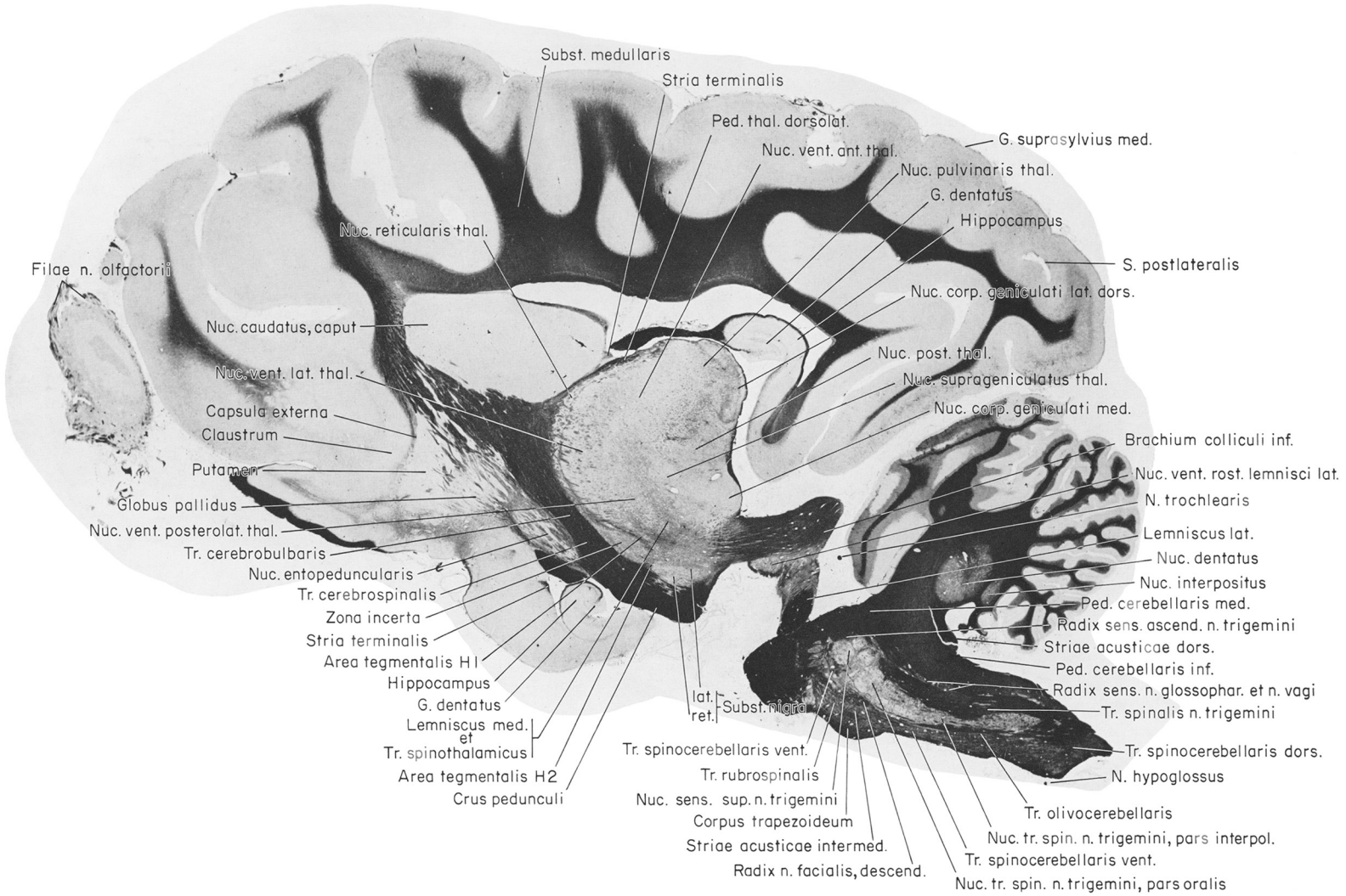

Subst. medullaris
Stria terminalis
Ped. thal. dorsolat.
G. suprasylvius med.
Nuc. vent. ant. thal.
Nuc. pulvinaris thal.
G. dentatus
Hippocampus
Nuc. reticularis thal.
Filae n. olfactorii
S. postlateralis
Nuc. corp. geniculati lat. dors.
Nuc. caudatus, caput
Nuc. post. thal.
Nuc. vent. lat. thal.
Nuc. supragenicul atus thal.
Capsula externa
Nuc. corp. geniculati med.
Claustrum
Brachium colliculi inf.
Putamen
Nuc. vent. rost. lemnisci lat.
Globus pallidus
N. trochlearis
Nuc. vent. posterolat. thal.
Lemniscus lat.
Tr. cerebrobulbaris
Nuc. dentatus
Nuc. entopeduncularis
Nuc. interpositus
Tr. cerebrospinalis
Ped. cerebellaris med.
Zona incerta
Radix sens. ascend. n. trigemini
Stria terminalis
Striae acusticae dors.
Area tegmentalis H1
Ped. cerebellaris inf.
Hippocampus
Radix sens. n. glossophar. et n. vagi
G. dentatus
lat.
ret.
Subst. nigra
Tr. spinalis n. trigemini
Lemniscus med.
et
Tr. spinothalamicus
Tr. spinocerebellaris dors.
Tr. spinocerebellaris vent.
N. hypoglossus
Tr. rubrospinalis
Area tegmentalis H2
Nuc. sens. sup. n. trigemini
Tr. olivocerebellaris
Crus pedunculi
Corpus trapezoideum
Nuc. tr. spin. n. trigemini, pars interpol.
Striae acusticae intermed.
Tr. spinocerebellaris vent.
Radix n. facialis, descend.
Nuc. tr. spin. n. trigemini, pars oralis

Plate 85

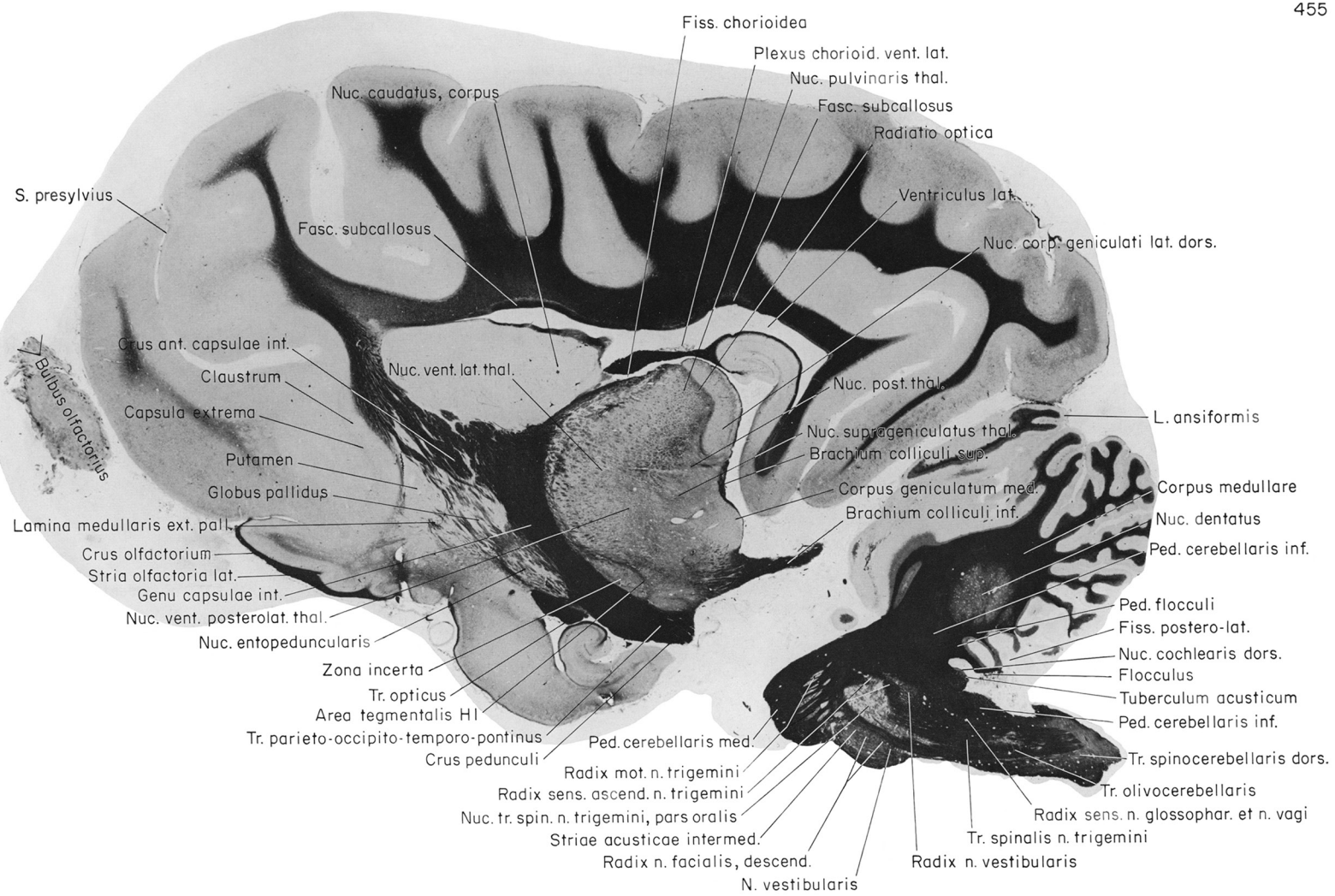

Fiss. chorioidea
Plexus chorioid. vent. lat.
Nuc. pulvinaris thal.
Nuc. caudatus, corpus
Fasc. subcallosus
Radiatio optica
S. presylvius
Ventriculus lat.
Fasc. subcallosus
Nuc. corp. geniculati lat. dors.
Crus ant. capsulae int.
Bulbus olfactorius
Nuc. vent. lat. thal.
Claustrum
Nuc. post. thal.
Capsula extrema
L. ansiformis
Nuc. suprageniculatus thal.
Putamen
Brachium colliculi sup.
Globus pallidus
Corpus geniculatum med.
Corpus medullare
Brachium colliculi inf.
Lamina medullaris ext. pall.
Nuc. dentatus
Crus olfactorium
Ped. cerebellaris inf.
Stria olfactoria lat.
Genu capsulae int.
Ped. flocculi
Nuc. vent. posterolat. thal.
Fiss. postero-lat.
Nuc. entopeduncularis
Nuc. cochlearis dors.
Zona incerta
Flocculus
Tr. opticus
Tuberculum acusticum
Area tegmentalis H1
Ped. cerebellaris inf.
Tr. parieto-occipito-temporo-pontinus
Ped. cerebellaris med.
Tr. spinocerebellaris dors.
Crus pedunculi
Radix mot. n. trigemini
Tr. olivocerebellaris
Radix sens. ascend. n. trigemini
Radix sens. n. glossophar. et n. vagi
Nuc. tr. spin. n. trigemini, pars oralis
Tr. spinalis n. trigemini
Striae acusticae intermed.
Radix n. facialis, descend.
Radix n. vestibularis
N. vestibularis

Plate 86

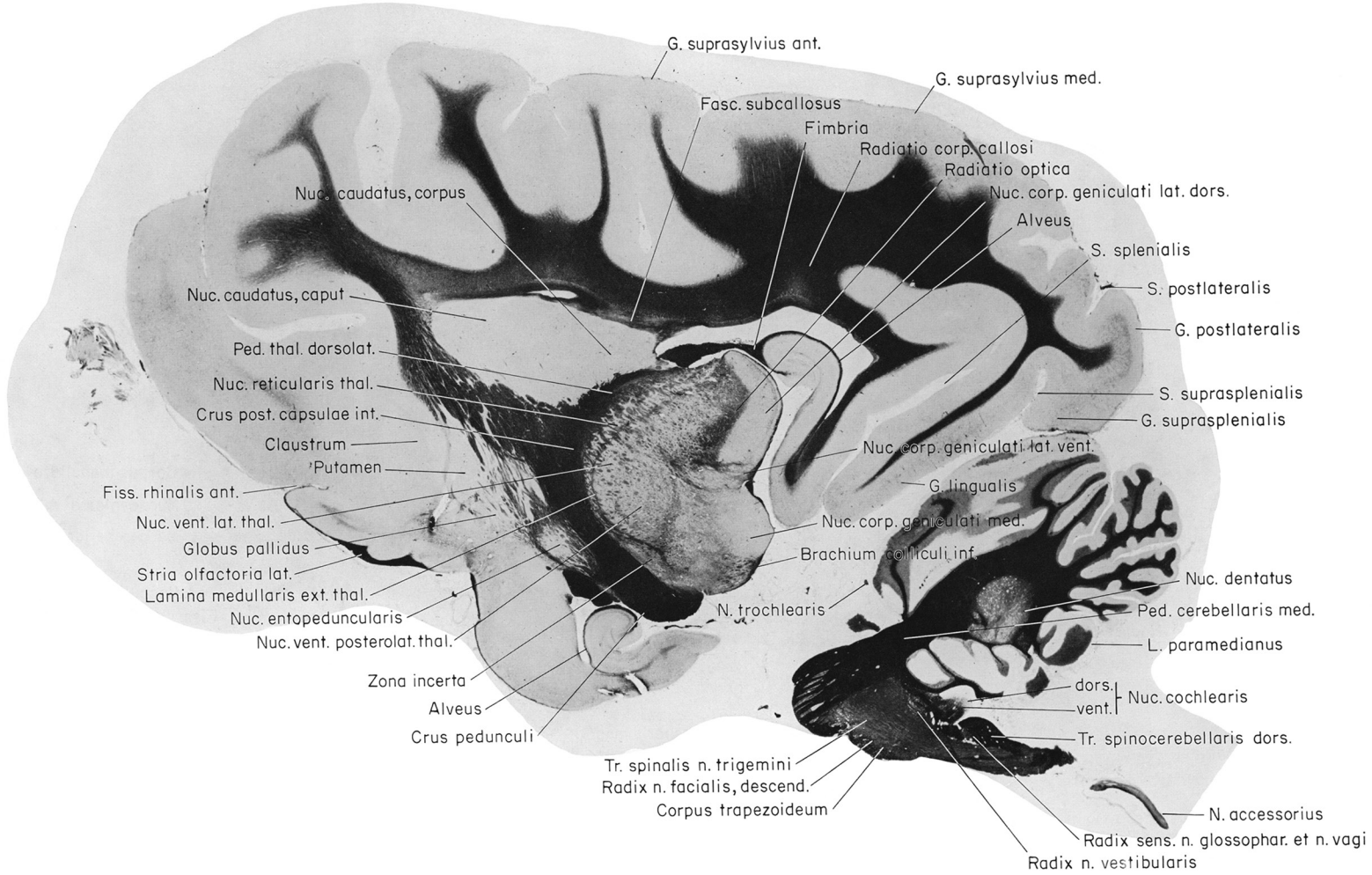

G. suprasylvius ant.
G. suprasylvius med.
Fasc. subcallosus
Fimbria
Radiatio corp. callosi
Radiatio optica
Nuc. caudatus, corpus
Nuc. corp. geniculati lat. dors.
Alveus
S. splenialis
S. postlateralis
Nuc. caudatus, caput
G. postlateralis
Ped. thal. dorsolat.
Nuc. reticularis thal.
S. suprasplenialis
Crus post. capsulae int.
G. suprasplenialis
Claustrum
Nuc. corp. geniculati lat. vent.
Putamen
G. lingualis
Fiss. rhinalis ant.
Nuc. vent. lat. thal.
Nuc. corp. geniculati med.
Globus pallidus
Brachium colliculi inf.
Stria olfactoria lat.
Nuc. dentatus
Lamina medullaris ext. thal.
N. trochlearis
Ped. cerebellaris med.
Nuc. entopeduncularis
Nuc. vent. posterolat. thal.
L. paramedianus
dors.
Nuc. cochlearis
Zona incerta
vent.
Alveus
Tr. spinocerebellaris dors.
Crus pedunculi
Tr. spinalis n. trigemini
Radix n. facialis, descend.
Corpus trapezoideum
N. accessorius
Radix sens. n. glossophar. et n. vagi
Radix n. vestibularis

Plate 87

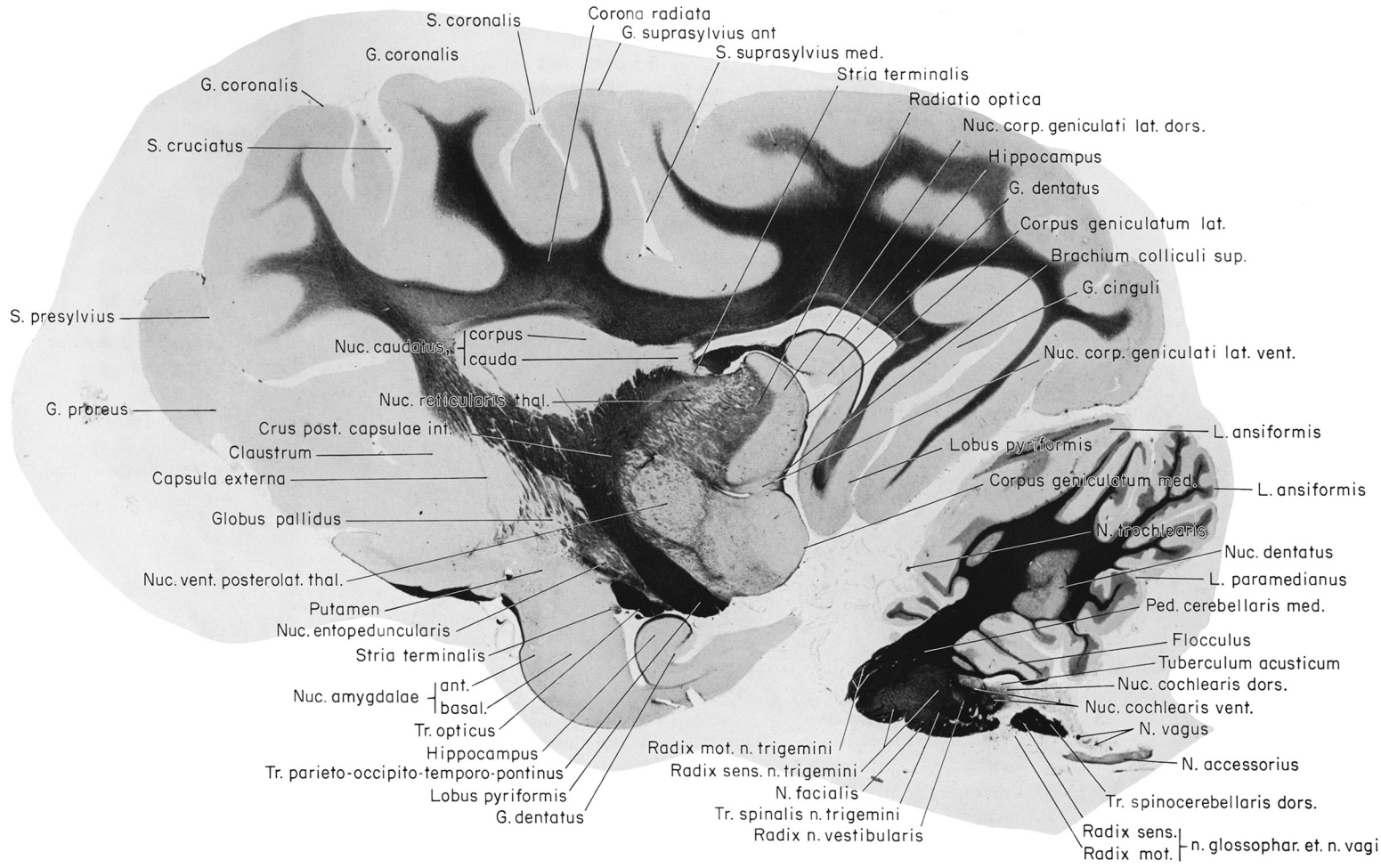

S. coronalis
Corona radiata
G. suprasylvius ant
G. coronalis
S. suprasylvius med.
Stria terminalis
G. coronalis
Radiatio optica
Nuc. corp. geniculati lat. dors.
S. cruciatus
Hippocampus
G. dentatus
Corpus geniculatum lat.
Brachium colliculi sup.
G. cinguli
S. presylvius
Nuc. caudatus, corpus
cauda
Nuc. corp. geniculati lat. vent.
Nuc. reticularis thal.
G. proreus
Crus post. capsulae int.
L. ansiformis
Claustrum
Lobus pyriformis
Capsula externa
Corpus geniculatum med.
L. ansiformis
Globus pallidus
N. trochlearis
Nuc. dentatus
Nuc. vent. posterolat. thal.
L. paramedianus
Putamen
Ped. cerebellaris med.
Nuc. entopeduncularis
Flocculus
Stria terminalis
Tuberculum acusticum
Nuc. amygdalae ant.
basal.
Nuc. cochlearis dors.
Nuc. cochlearis vent.
Tr. opticus
N. vagus
Hippocampus
Radix mot. n. trigemini
N. accessorius
Tr. parieto-occipito-temporo-pontinus
Radix sens. n. trigemini
Lobus pyriformis
N. facialis
Tr. spinocerebellaris dors.
G. dentatus
Tr. spinalis n. trigemini
Radix sens.
Radix n. vestibularis
Radix mot.
n. glossophar. et n. vagi

Plate 88

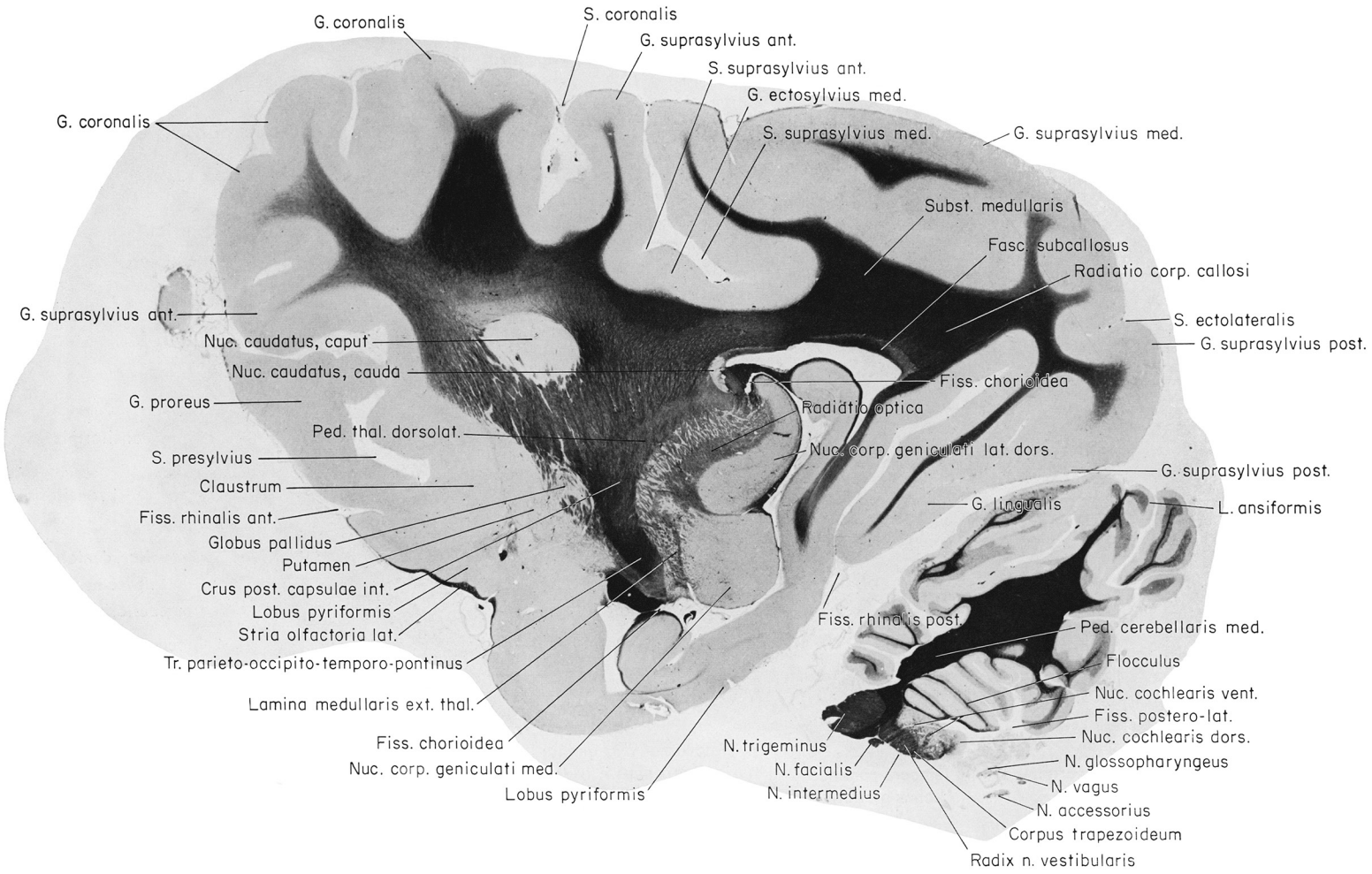

G. coronalis
S. coronalis
G. suprasylvius ant.
S. suprasylvius ant.
G. ectosylvius med.
G. coronalis
S. suprasylvius med.
G. suprasylvius med.
Subst. medullaris
Fasc. subcallosus
Radiatio corp. callosi
G. suprasylvius ant.
S. ectolateralis
G. suprasylvius post.
Nuc. caudatus, caput
Nuc. caudatus, cauda
Fiss. chorioidea
G. proreus
Radiatio optica
Ped. thal. dorsolat.
Nuc. corp. geniculati lat. dors.
S. presylvius
G. suprasylvius post.
Claustrum
G. lingualis
L. ansiformis
Fiss. rhinalis ant.
Globus pallidus
Putamen
Crus post. capsulae int.
Lobus pyriformis
Stria olfactoria lat.
Fiss. rhinalis post.
Ped. cerebellaris med.
Tr. parieto-occipito-temporo-pontinus
Flocculus
Nuc. cochlearis vent.
Lamina medullaris ext. thal.
Fiss. postero-lat.
Nuc. cochlearis dors.
Fiss. chorioidea
N. trigeminus
N. glossopharyngeus
Nuc. corp. geniculati med.
N. facialis
N. vagus
Lobus pyriformis
N. intermedius
N. accessorius
Corpus trapezoideum
Radix n. vestibularis

Plate 89

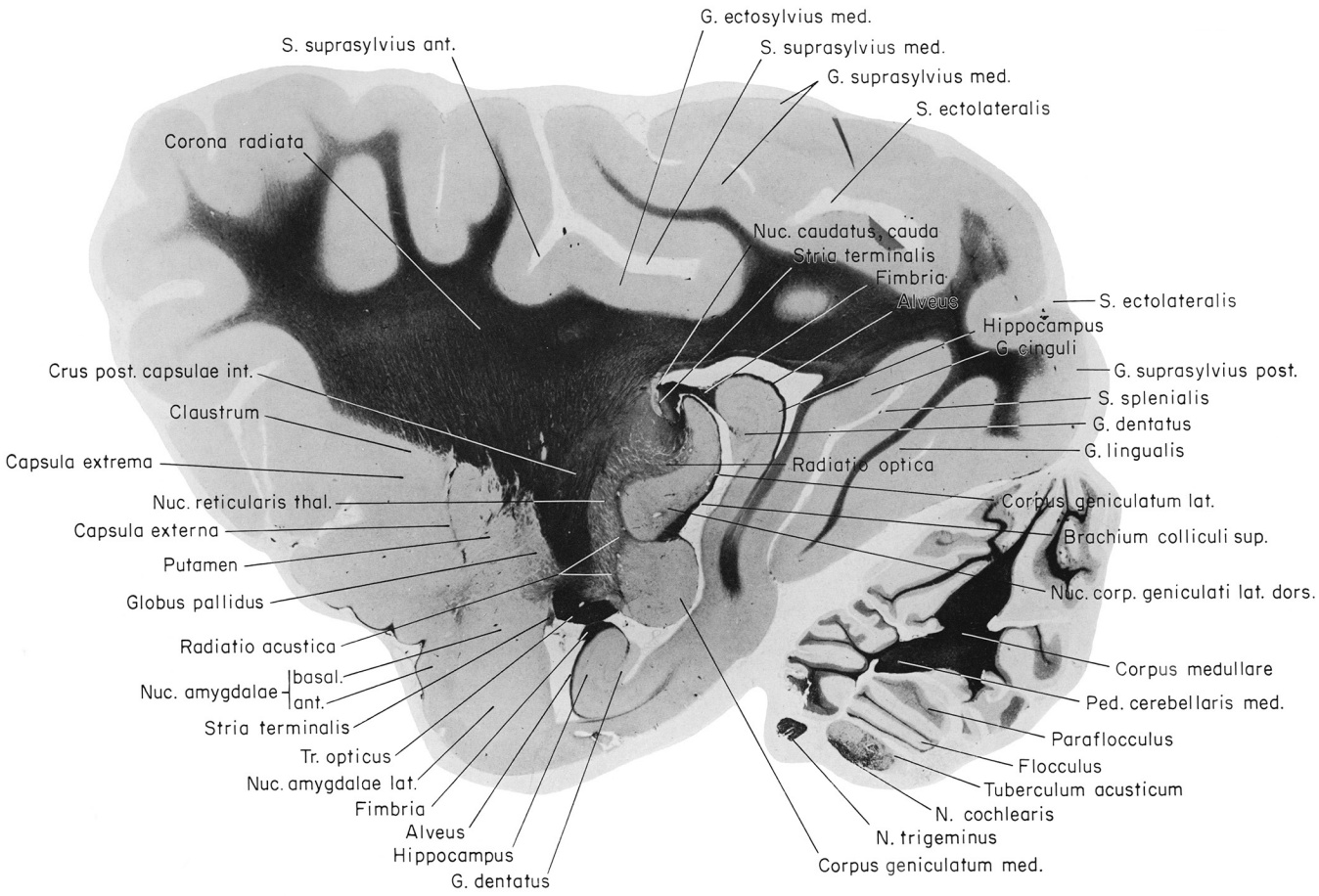

G. ectosylvius med.
S. suprasylvius ant.
S. suprasylvius med.
G. suprasylvius med.
S. ectolateralis
Corona radiata
Nuc. caudatus, cauda
Stria terminalis
Fimbria
Alveus
S. ectolateralis
Hippocampus
G. cinguli
G. suprasylvius post.
S. splenialis
G. dentatus
G. lingualis
Radiatio optica
Crus post. capsulae int.
Claustrum
Capsula extrema
Nuc. reticularis thal.
Capsula externa
Putamen
Globus pallidus
Radiatio acustica
Nuc. amygdalae
basal.
ant.
Stria terminalis
Tr. opticus
Nuc. amygdalae lat.
Fimbria
Alveus
Hippocampus
G. dentatus
Corpus geniculatum lat.
Brachium colliculi sup.
Nuc. corp. geniculati lat. dors.
Corpus medullare
Ped. cerebellaris med.
Paraflocculus
Flocculus
Tuberculum acusticum
N. cochlearis
N. trigeminus
Corpus geniculatum med.

Plate 90

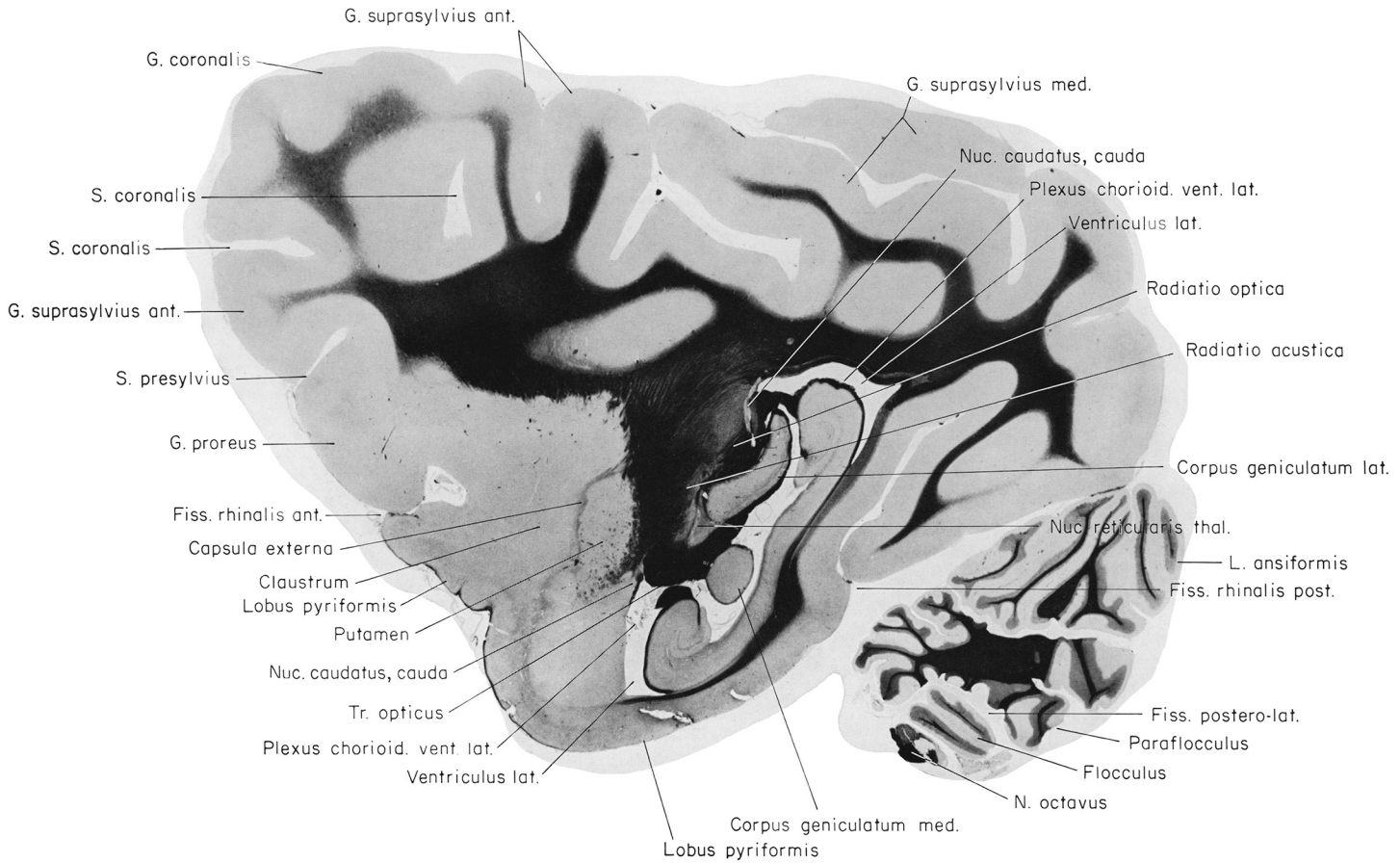

G. suprasylvius ant.
G. coronalis
G. suprasylvius med.
Nuc. caudatus, cauda
S. coronalis
Plexus chorioid. vent. lat.
Ventriculus lat.
S. coronalis
Radiatio optica
G. suprasylvius ant.
Radiatio acustica
S. presylvius
G. proreus
Corpus geniculatum lat.
Fiss. rhinalis ant.
Nuc. reticularis thal.
Capsula externa
L. ansiformis
Claustrum
Fiss. rhinalis post.
Lobus pyriformis
Putamen
Nuc. caudatus, cauda
Fiss. postero-lat.
Tr. opticus
Paraflocculus
Plexus chorioid. vent. lat.
Flocculus
Ventriculus lat.
N. octavus
Corpus geniculatum med.
Lobus pyriformis

Plate 91

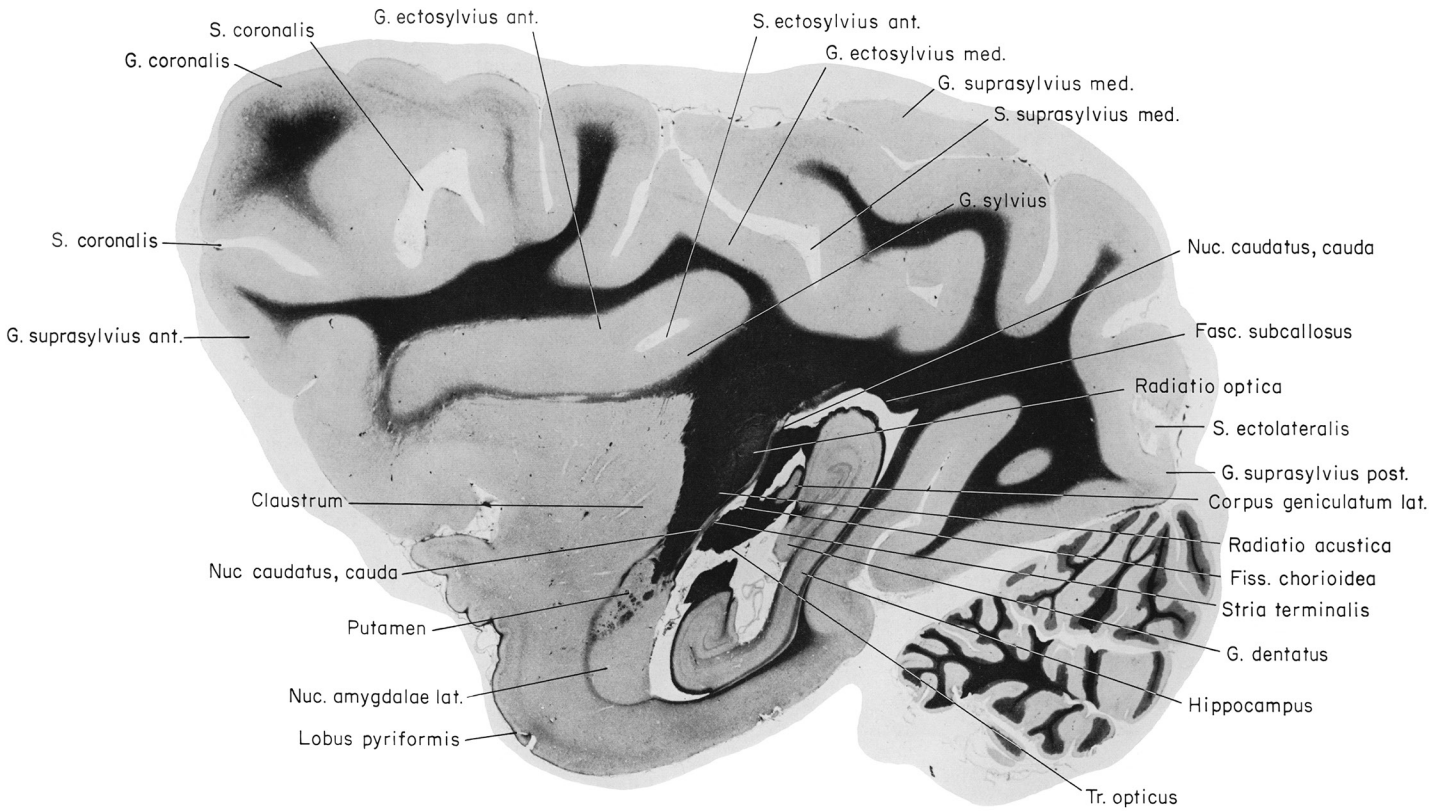

S. coronalis
G. coronalis
G. ectosylvius ant.
S. ectosylvius ant.
G. ectosylvius med.
G. suprasylvius med.
S. suprasylvius med.
G. sylvius
S. coronalis
Nuc. caudatus, cauda
G. suprasylvius ant.
Fasc. subcallosus
Radiatio optica
S. ectolateralis
G. suprasylvius post.
Claustrum
Corpus geniculatum lat.
Radiatio acustica
Nuc caudatus, cauda
Fiss. chorioidea
Stria terminalis
Putamen
G. dentatus
Nuc. amygdalae lat.
Hippocampus
Lobus pyriformis
Tr. opticus

Plate 92

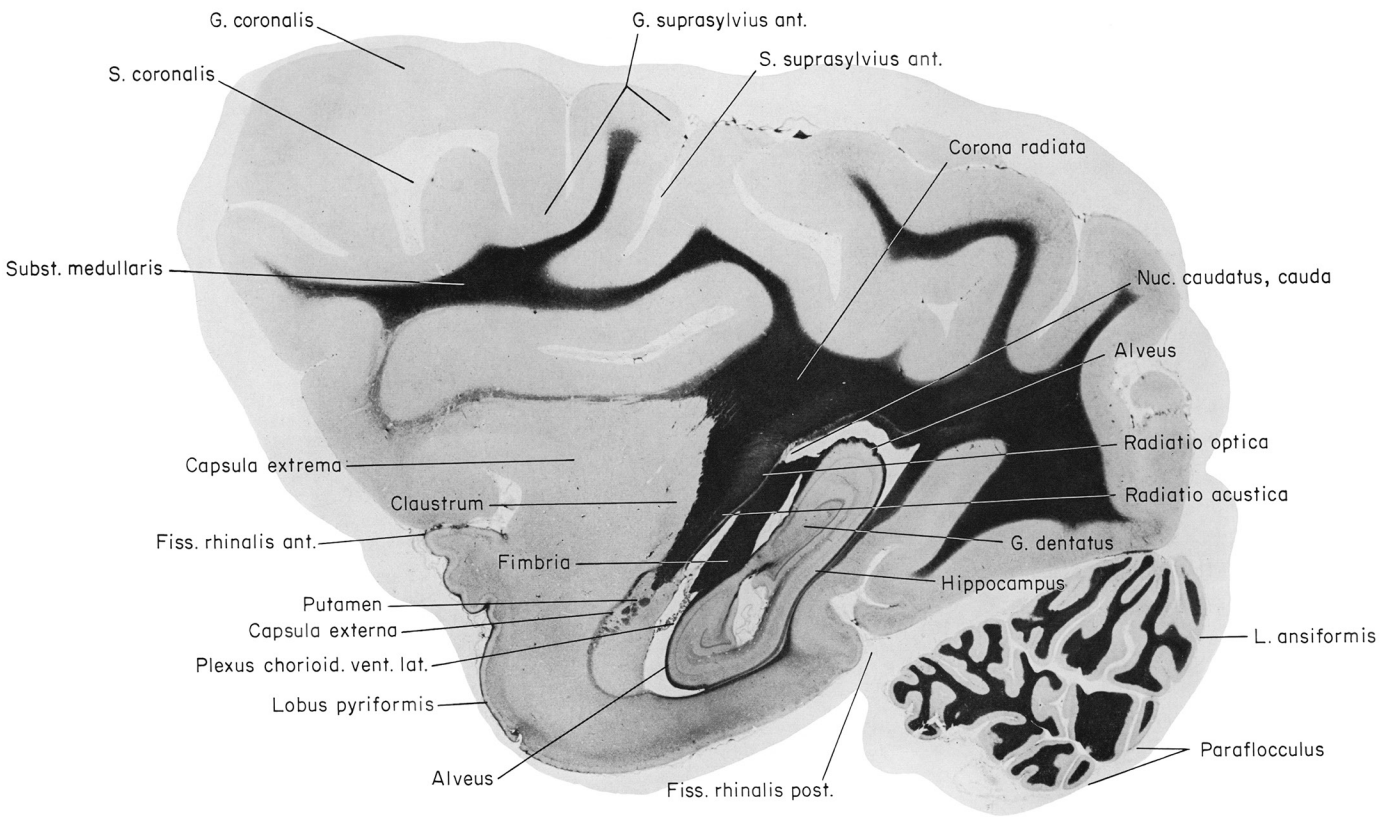

G. coronalis
G. suprasylvius ant.
S. coronalis
S. suprasylvius ant.
Corona radiata
Subst. medullaris
Nuc. caudatus, cauda
Alveus
Radiatio optica
Capsula extrema
Radiatio acustica
Claustrum
G. dentatus
Fiss. rhinalis ant.
Fimbria
Hippocampus
Putamen
L. ansiformis
Capsula externa
Plexus chorioid. vent. lat.
Lobus pyriformis
Parafloccul us
Alveus
Fiss. rhinalis post.

Plate 93

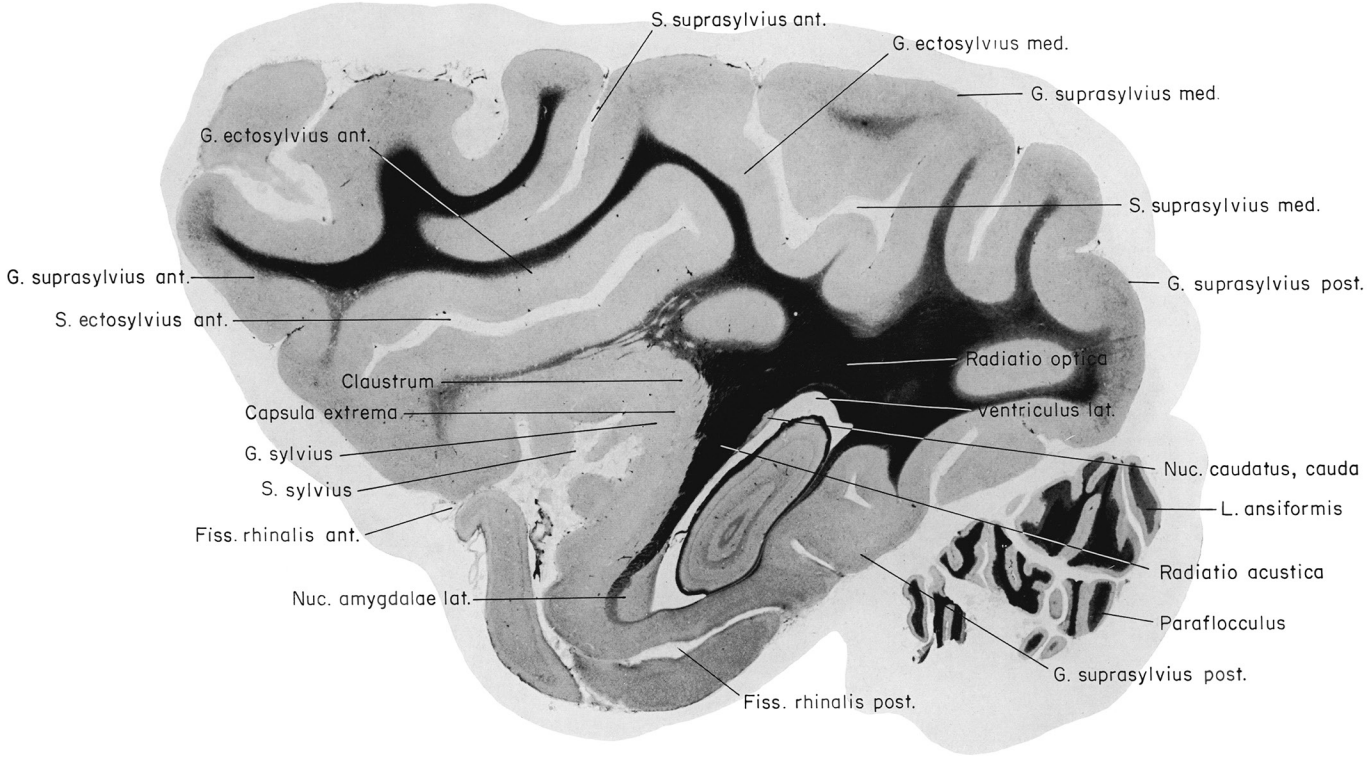

S. suprasylvius ant.
G. ectosylvius med.
G. suprasylvius med.
G. ectosylvius ant.
S. suprasylvius med.
G. suprasylvius ant.
G. suprasylvius post.
S. ectosylvius ant.
Radiatio optica
Claustrum
ventriculus lat.
Capsula extrema
Nuc. caudatus, cauda
G. sylvius
L. ansiformis
S. sylvius
Radiatio acustica
Fiss. rhinalis ant.
Paraflocculus
Nuc. amygdalae lat.
G. suprasylvius post.
Fiss. rhinalis post.

Plate 94

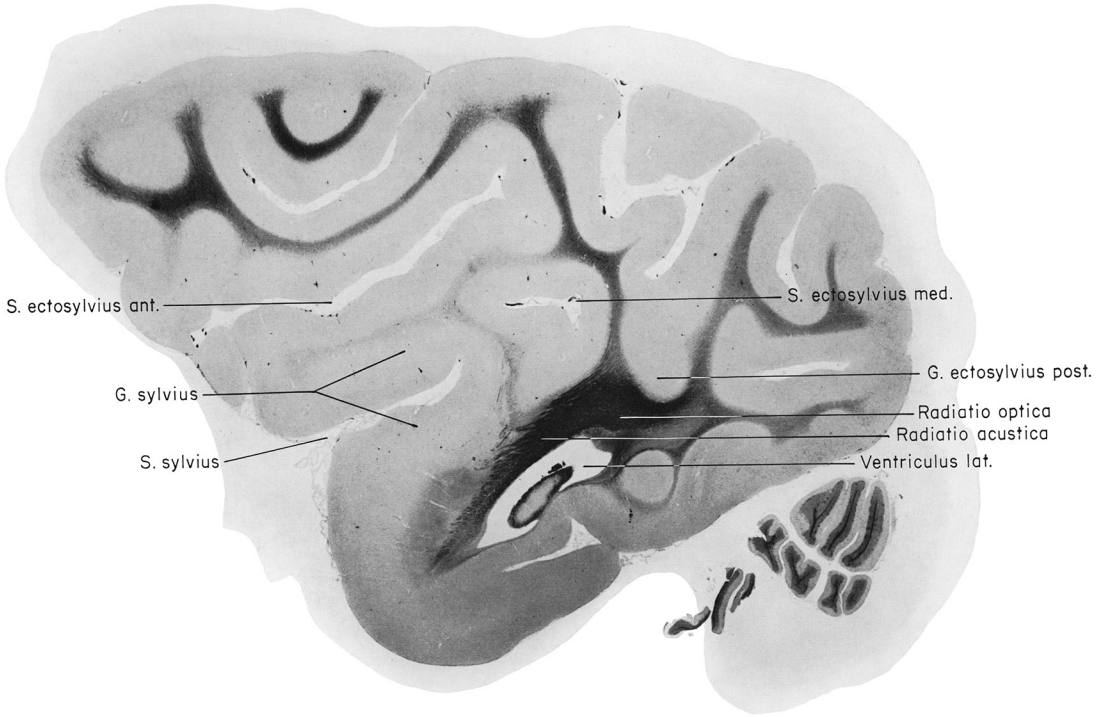

S. ectosylvius ant.
S. ectosylvius med.
G. ectosylvius post.
G. sylvius
Radiatio optica
Radiatio acustica
S. sylvius
Ventriculus lat.

Plate 95

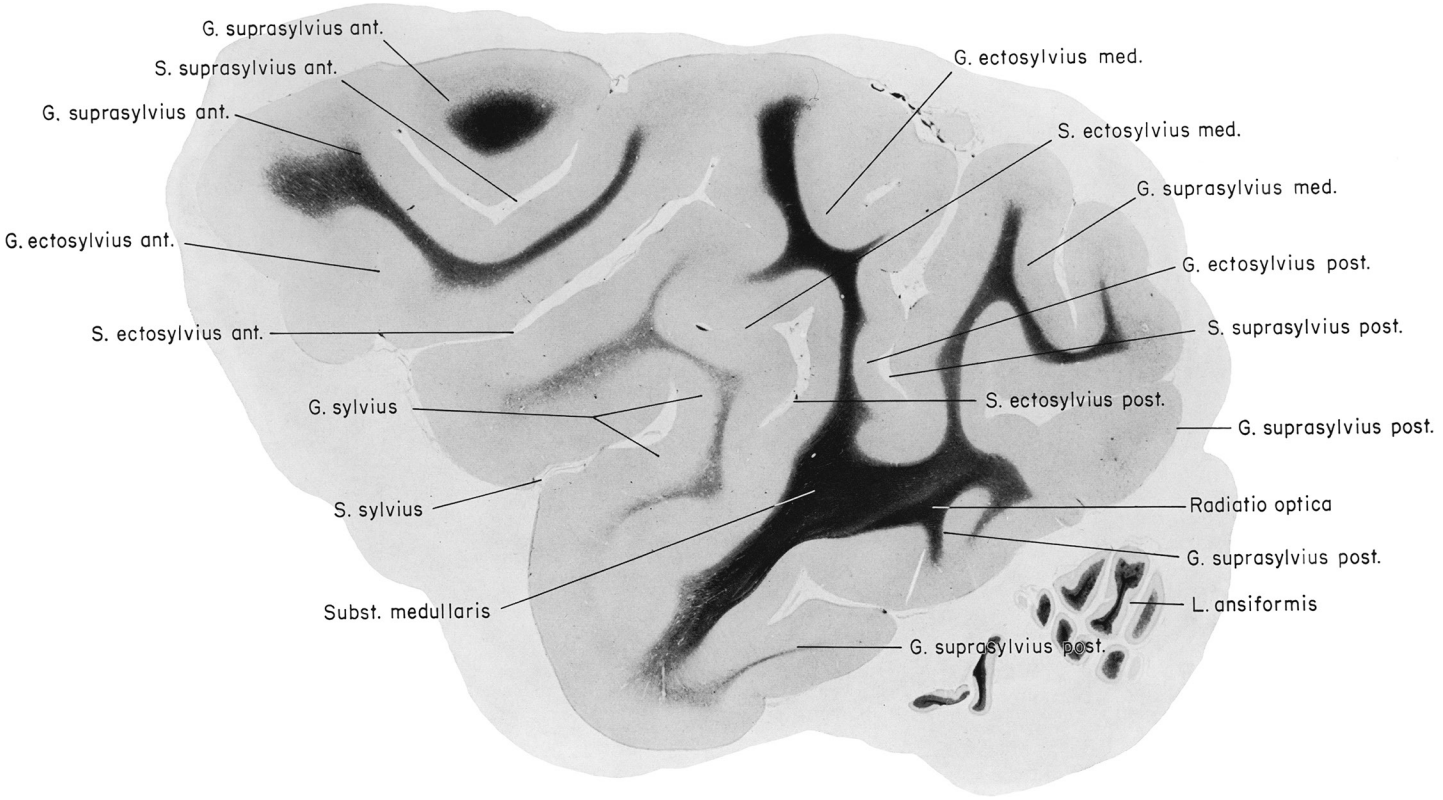
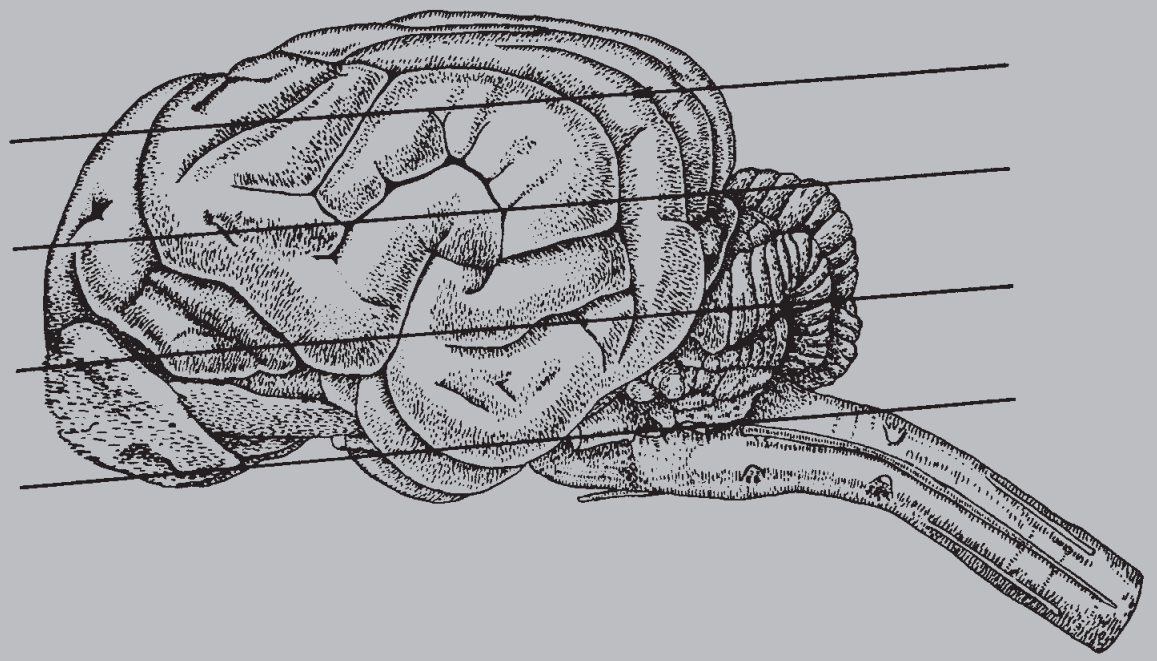

G. suprasylvius ant.
S. suprasylvius ant.
G. suprasylvius ant.
G. ectosylvius ant.
S. ectosylvius ant.
G. sylvius
S. sylvius
Subst. medullaris
G. ectosylvius med.
S. ectosylvius med.
G. suprasylvius med.
G. ectosylvius post.
S. suprasylvius post.
S. ectosylvius post.
G. suprasylvius post.
Radiatio optica
G. suprasylvius post.
L. ansiformis
G. suprasylvius post.

Plate 96

Horizontal Sections



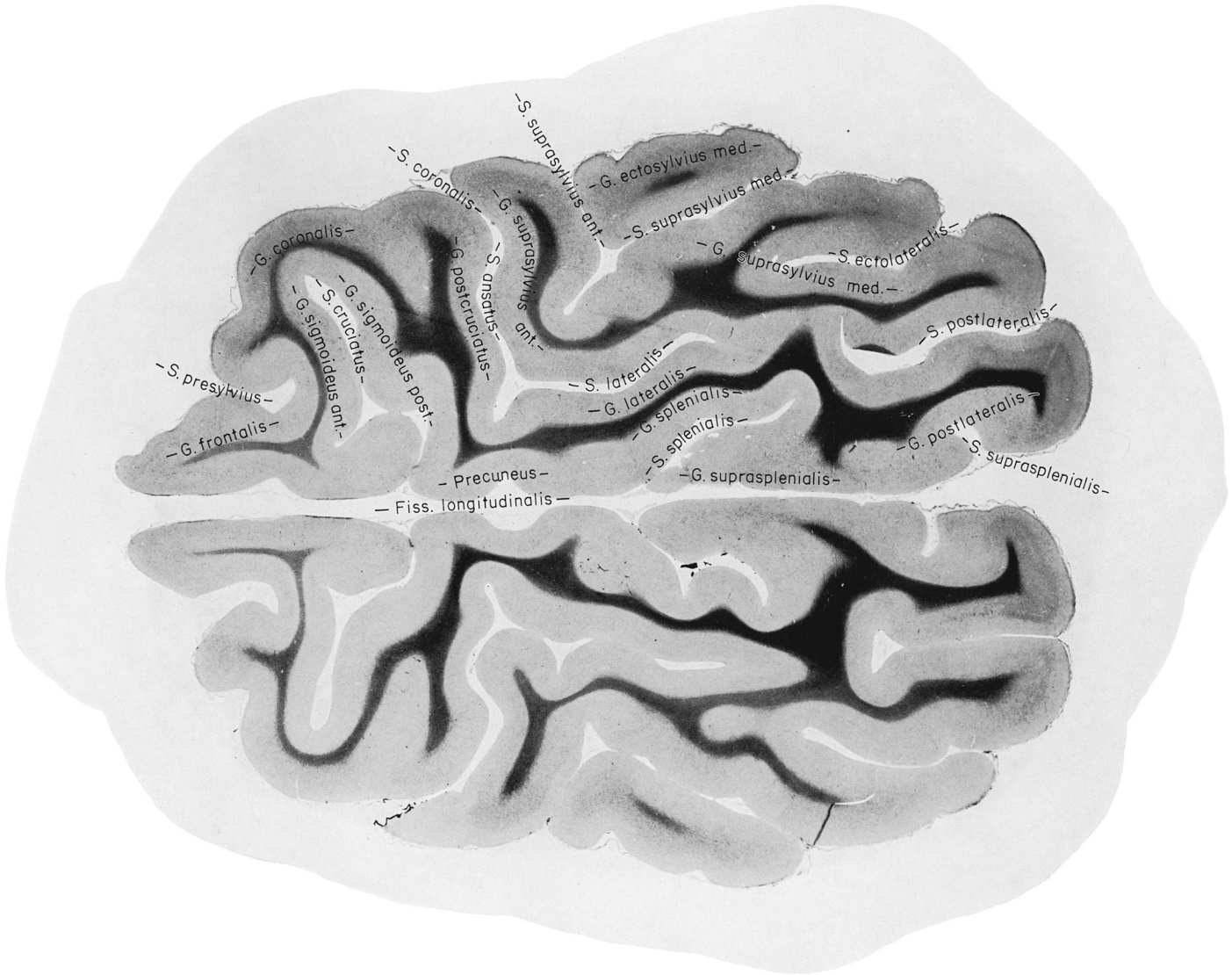

S. suprasylvius ant.
G. ectosylvius med.
S. coronalis
G. suprasylvius ant.
S. suprasylvius med.
G. coronalis
G. suprasylvius med.
S. ectolateralis
G. postcruciatus
S. ansatus
G. sigmoideus post.
S. cruciatus
G. sigmoideus ant.
S. postlateralis
S. lateralis
S. presylvius
G. lateralis
G. splenialis
G. frontalis
S. splenialis
G. postlateralis
S. suprasplenialis
Precuneus
G. suprasplenialis
Fiss. longitudinalis

Plate 97

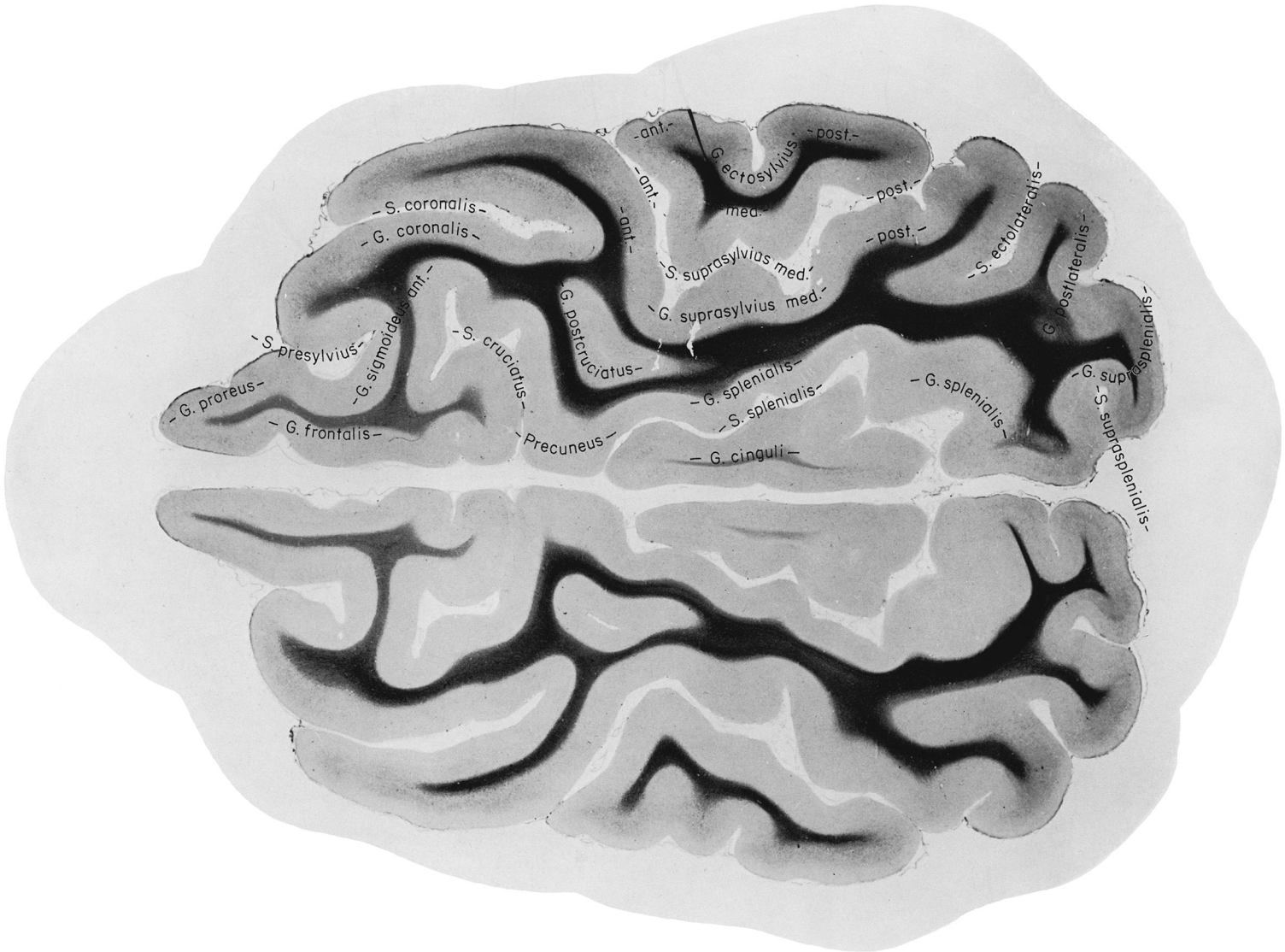

-ant.-
-post.-
G. ectosylvius
med.
-ant.-
-post.-
-S. coronalis-
-G. coronalis-
-ant.-
-post.-
-S. suprasylvius med.-
-S. ectolateralis-
-G. suprasylvius med.-
G. postlateralis
-S. presylvius-
-G. sigmoidalis ant.-
-S. cruciatus-
G. postcruciatus
-G. splenialis-
-G. splenialis-
-G. supr
-G. proreus-
-S. splenialis-
-S. suprasplenialis-
-G. frontalis-
-Precuneus-
-G. cinguli-

Plate 98

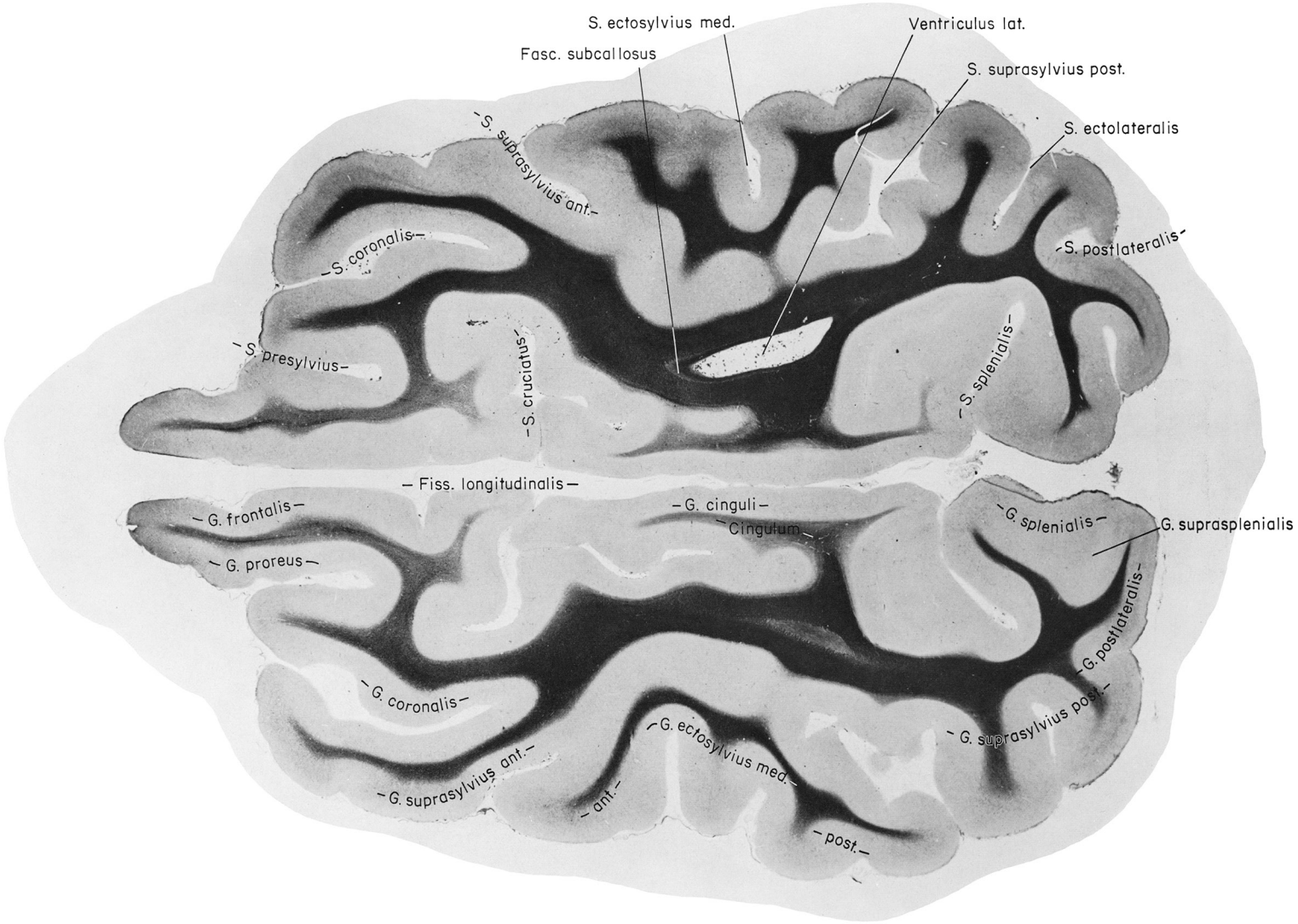

S. ectosylvius med.
Ventriculus lat.
Fasc. subcallosus
S. suprasylvius post.
S. ectolateralis
S. suprasylvius ant.
S. coronalis
S. postlateralis
S. presylvius
S. cruciatus
S. splenialis
Fiss. longitudinalis
G. frontalis
G. cinguli
Cingulum
G. splenialis
G. suprasplenialis
G. proreus
G. postlateralis
G. coronalis
G. suprasylvius post.
G. ectosylvius med.
G. suprasylvius ant.
ant.
post.

Plate 99

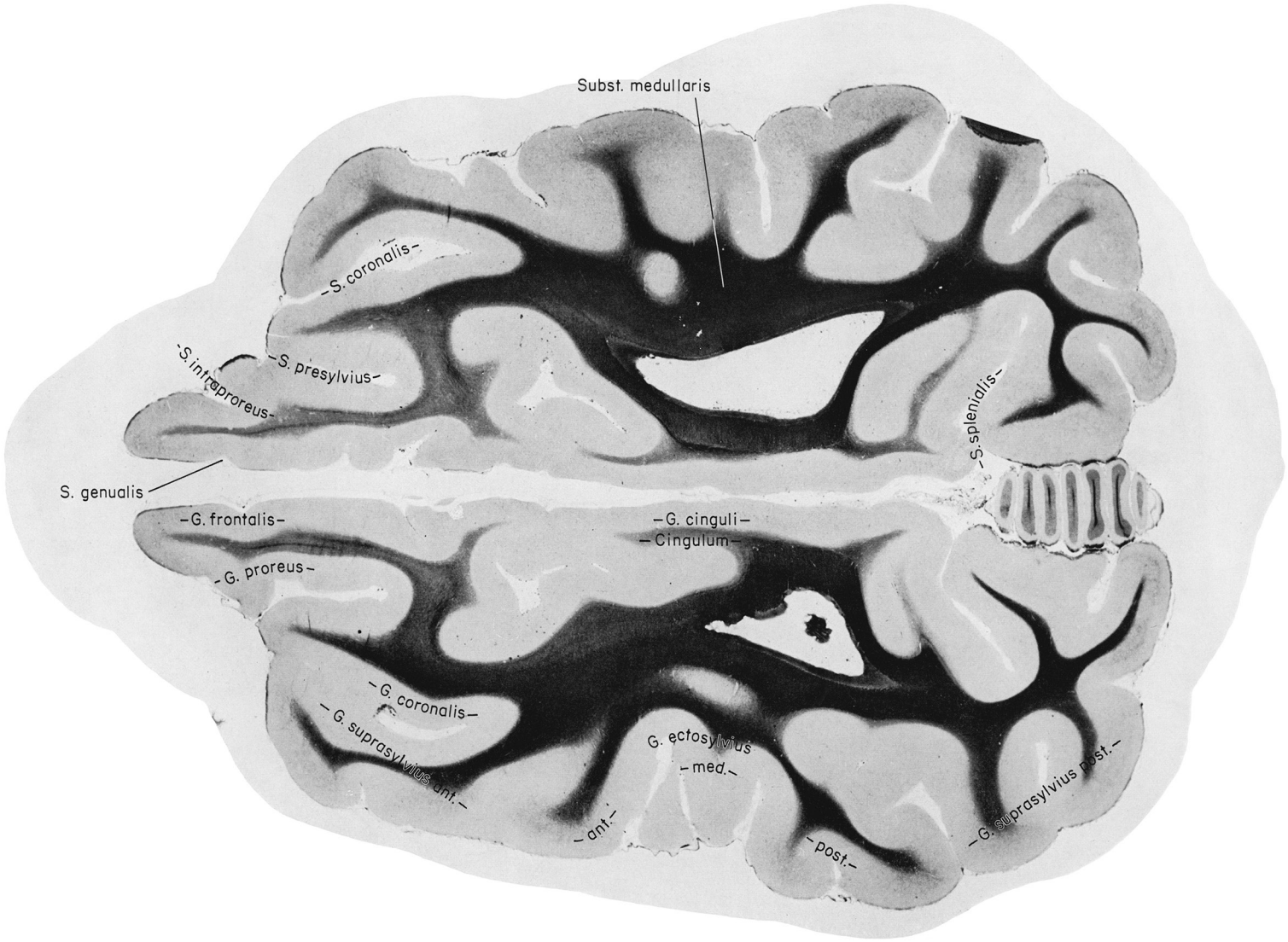

Subst. medullaris
S. coronalis
S. intraproreus
S. presylvius
S. genualis
S. splenialis
G. frontalis
G. cinguli
Cingulum
G. proreus
G. coronalis
G. suprasylvius ant.
G. ectosylvius
med.
ant.
post.
G. suprasylvius post.

Plate 100

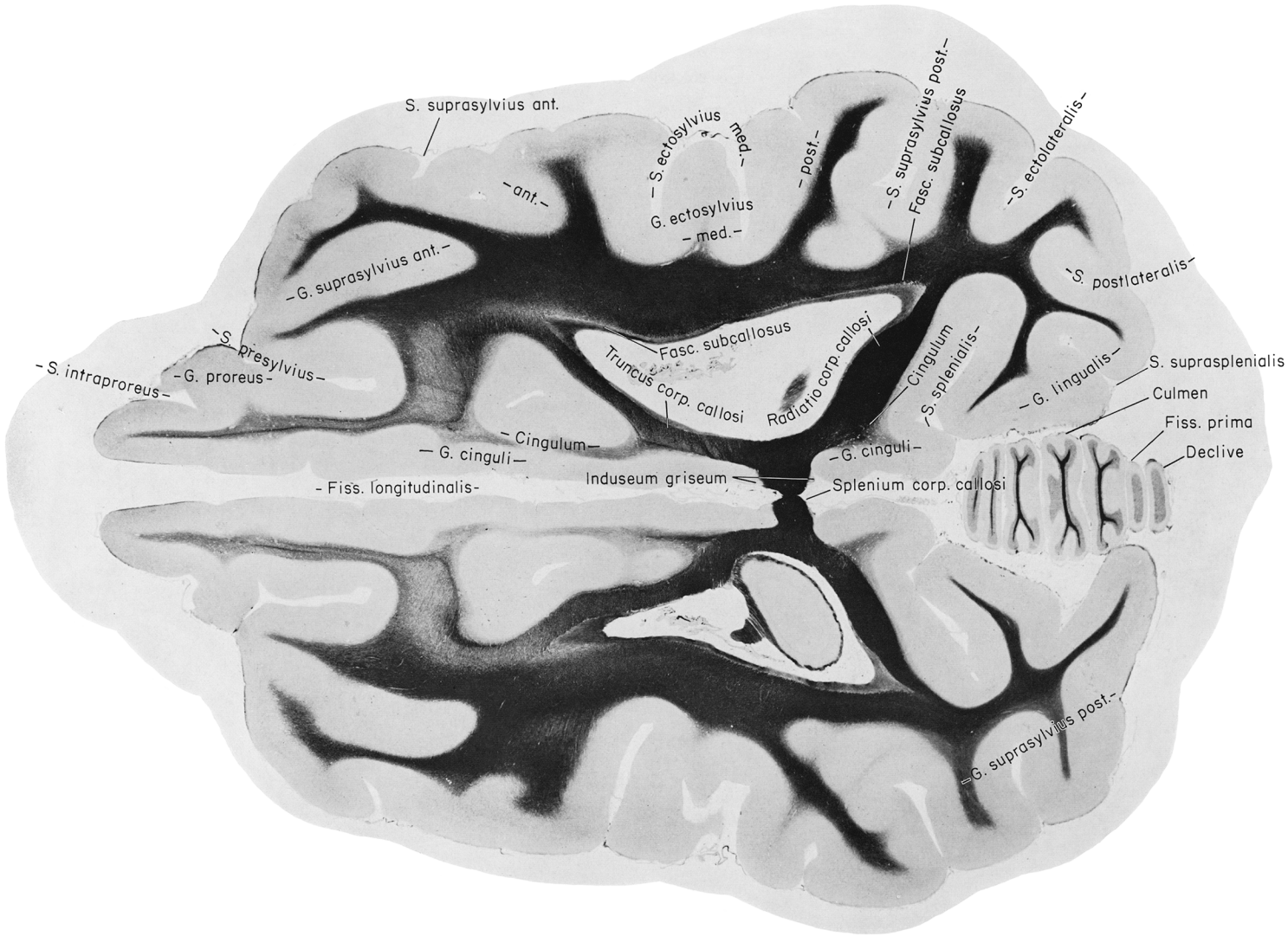

S. suprasylvius ant.
S. ectosylvius med.
post.
S. suprasylvius post.
Fasc. subcallosus
S. ectolateralis
ant.
G. ectosylvius
med.
G. suprasylvius ant.
S. postlateralis
S. presylvius
Fasc. subcallosus
Truncus corp. callosi
Radiatio corp. callosi
Cingulum
S. splenialis
S. intraproreus
G. proreus
G. lingualis
S. suprasplenialis
Culmen
Fiss. prima
Declive
Cingulum
G. cinguli
G. cinguli
Induseum griseum
Splenium corp. callosi
Fiss. longitudinalis
G. suprasylvius post.

Plate 101

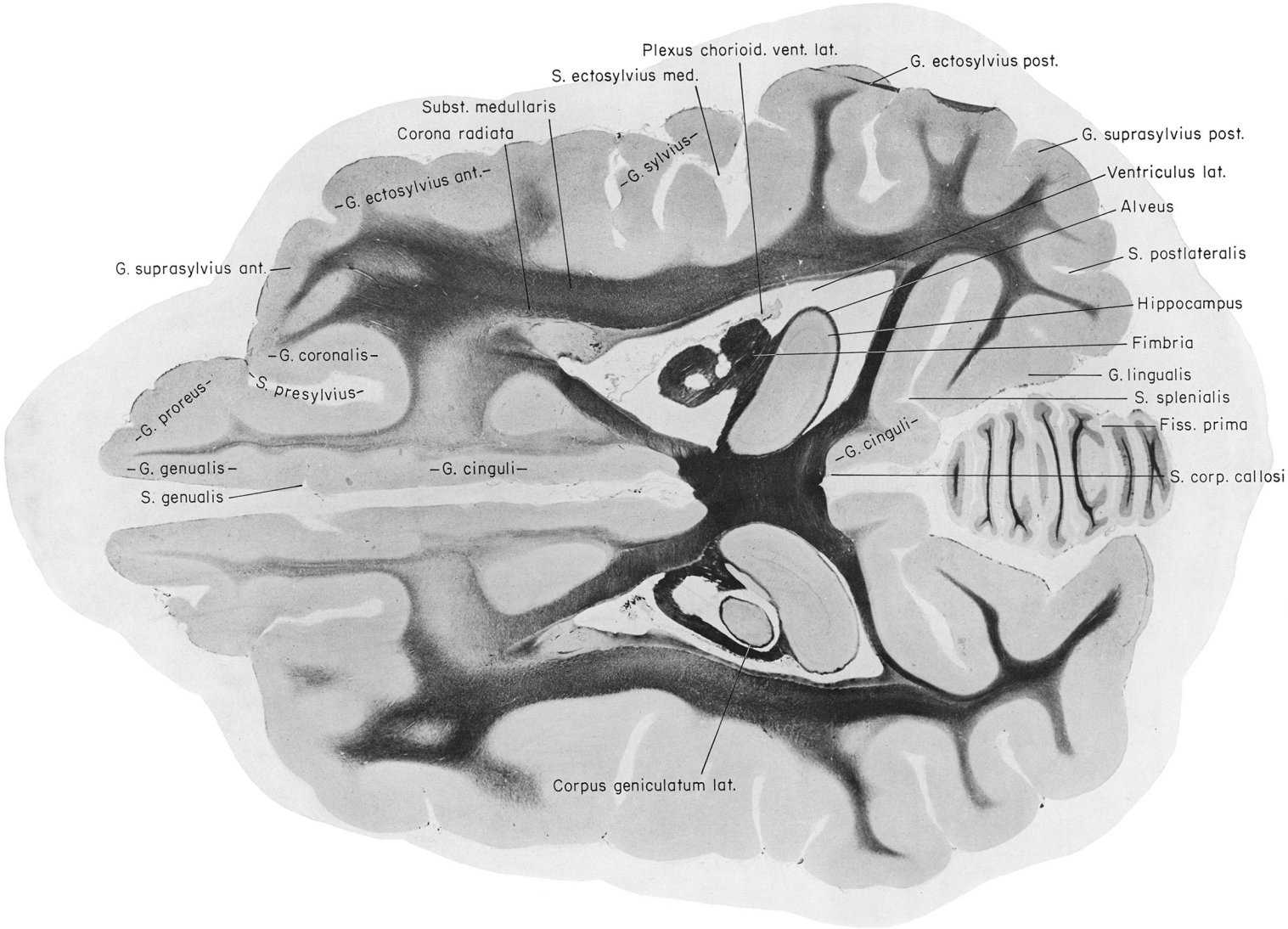

Plexus chorioid. vent. lat.
G. ectosylvius post.
S. ectosylvius med.
Subst. medullaris
Corona radiata
G. suprasylvius post.
G. sylvius
G. ectosylvius ant.
Ventriculus lat.
Alveus
G. suprasylvius ant.
S. postlateralis
Hippocampus
Fimbria
G. coronalis
G. lingualis
S. splenialis
S. presylvius
G. proreus
Fiss. prima
G. cinguli
G. genualis
G. cinguli
S. corp. callosi
S. genualis
Corpus geniculatum lat.

Plate 102

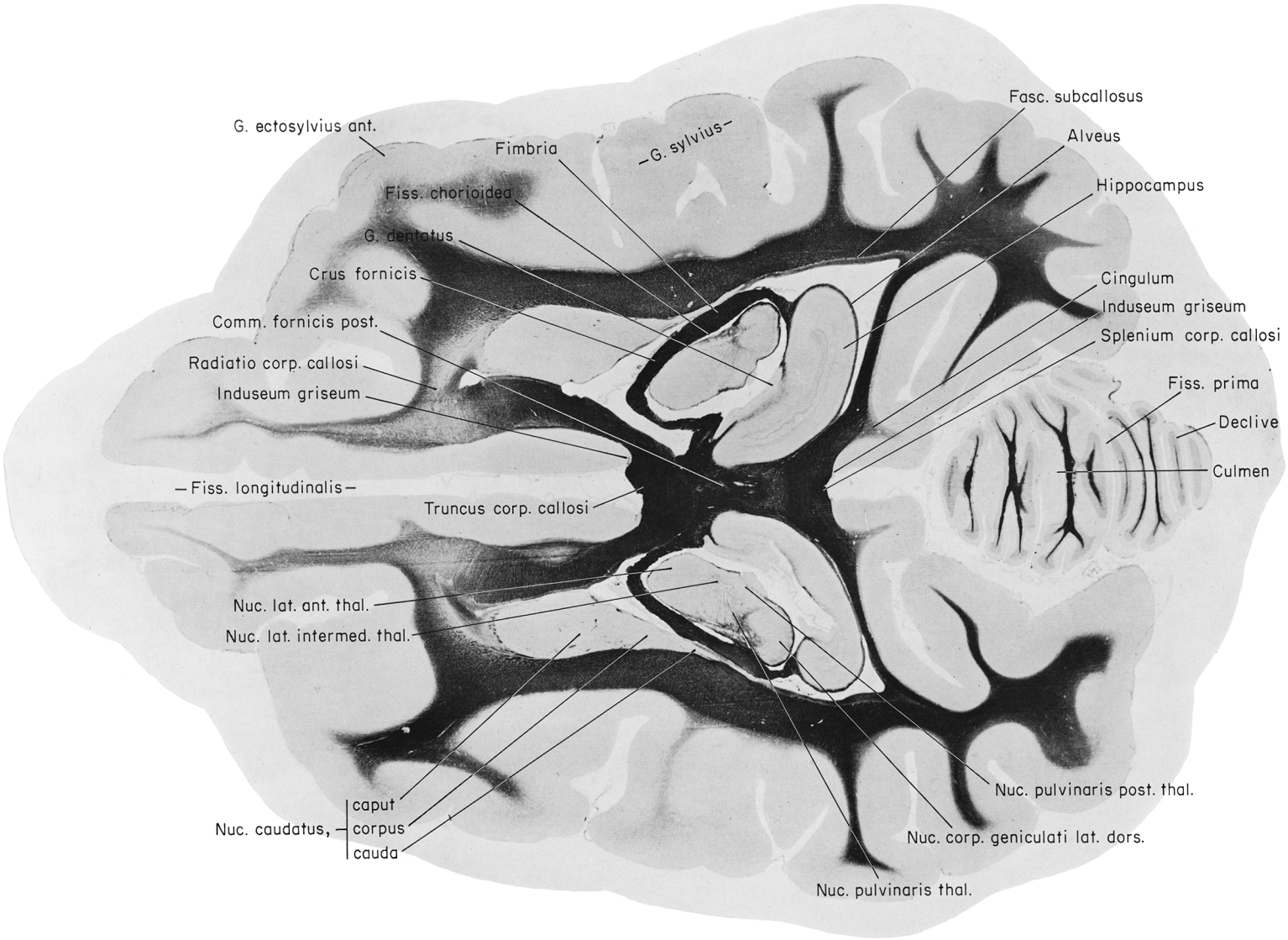

G. ectosylvius ant.
Fimbria
G. sylvius
Fasc. subcallosus
Alveus
Hippocampus
Fiss. chorioidea
G. dentatus
Crus fornicis
Cingulum
Induseum griseum
Splenium corp. callosi
Comm. fornicis post.
Radiatio corp. callosi
Induseum griseum
Fiss. prima
Declive
Culmen
Fiss. longitudinalis
Truncus corp. callosi
Nuc. lat. ant. thal.
Nuc. lat. intermed. thal.
Nuc. pulvinaris post. thal.
Nuc. caudatus, caput
corpus
cauda
Nuc. corp. geniculati lat. dors.
Nuc. pulvinaris thal.

Plate 103

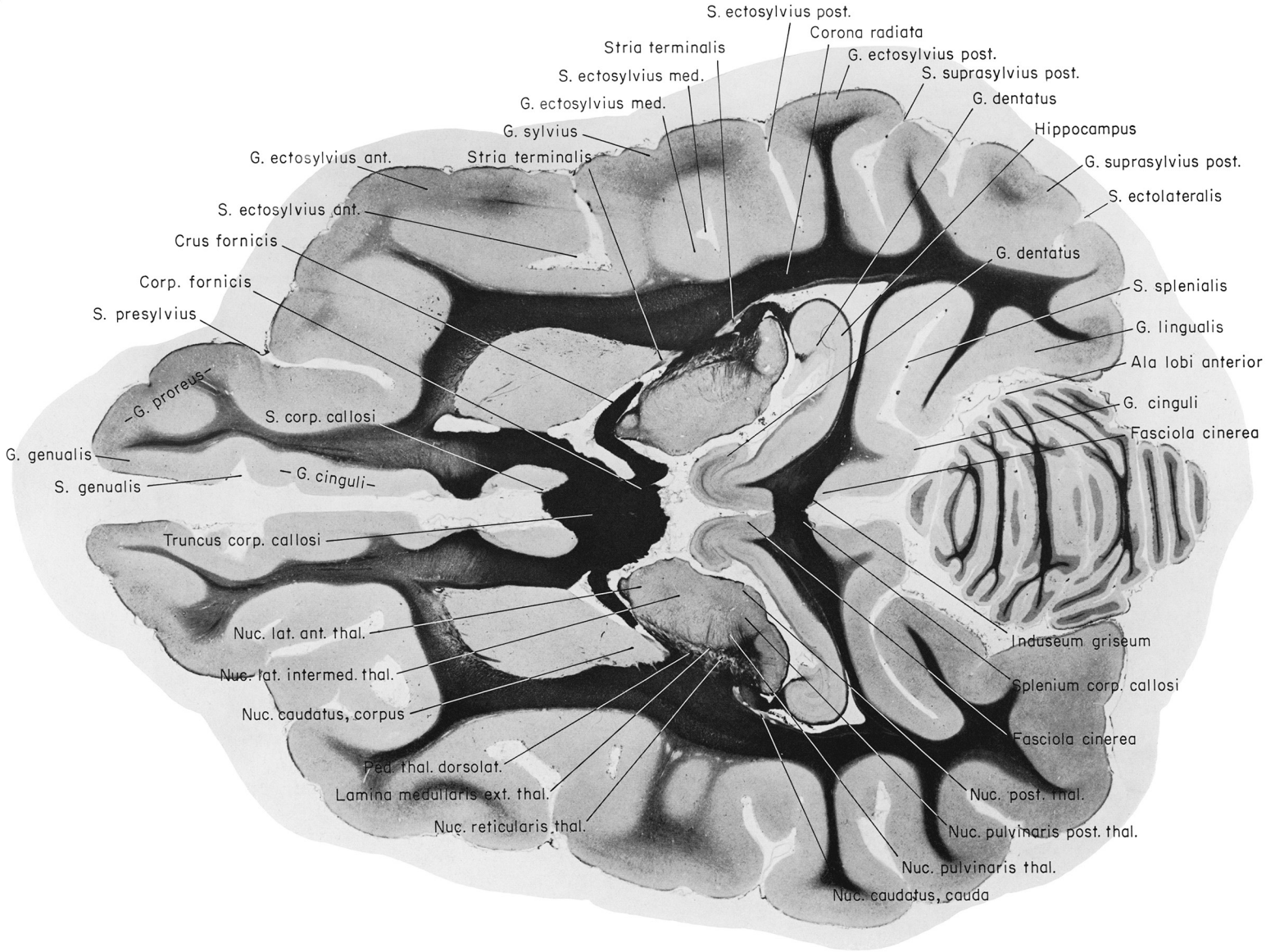

S. ectosylvius post.
Corona radiata
Stria terminalis
G. ectosylvius post.
S. ectosylvius med.
S. suprasylvius post.
G. ectosylvius med.
G. dentatus
G. sylvius
Hippocampus
G. ectosylvius ant.
Stria terminalis
G. suprasylvius post.
S. ectosylvius ant.
S. ectolateralis
Crus fornicis
G. dentatus
Corp. fornicis
S. splenialis
S. presylvius
G. lingualis
Ala lobi anterior
G. proreus
G. cinguli
S. corp. callosi
Fasciola cinerea
G. genualis
G. cinguli
S. genualis
Truncus corp. callosi
Induseum griseum
Nuc. lat. ant. thal.
Splenium corp. callosi
Nuc. lat. intermed. thal.
Nuc. caudatus, corpus
Fasciola cinerea
Ped. thal. dorsolat.
Nuc. post. thal.
Lamina medullaris ext. thal.
Nuc. reticularis thal.
Nuc. pulvinaris post. thal.
Nuc. pulvinaris thal.
Nuc. caudatus, cauda

Plate 104

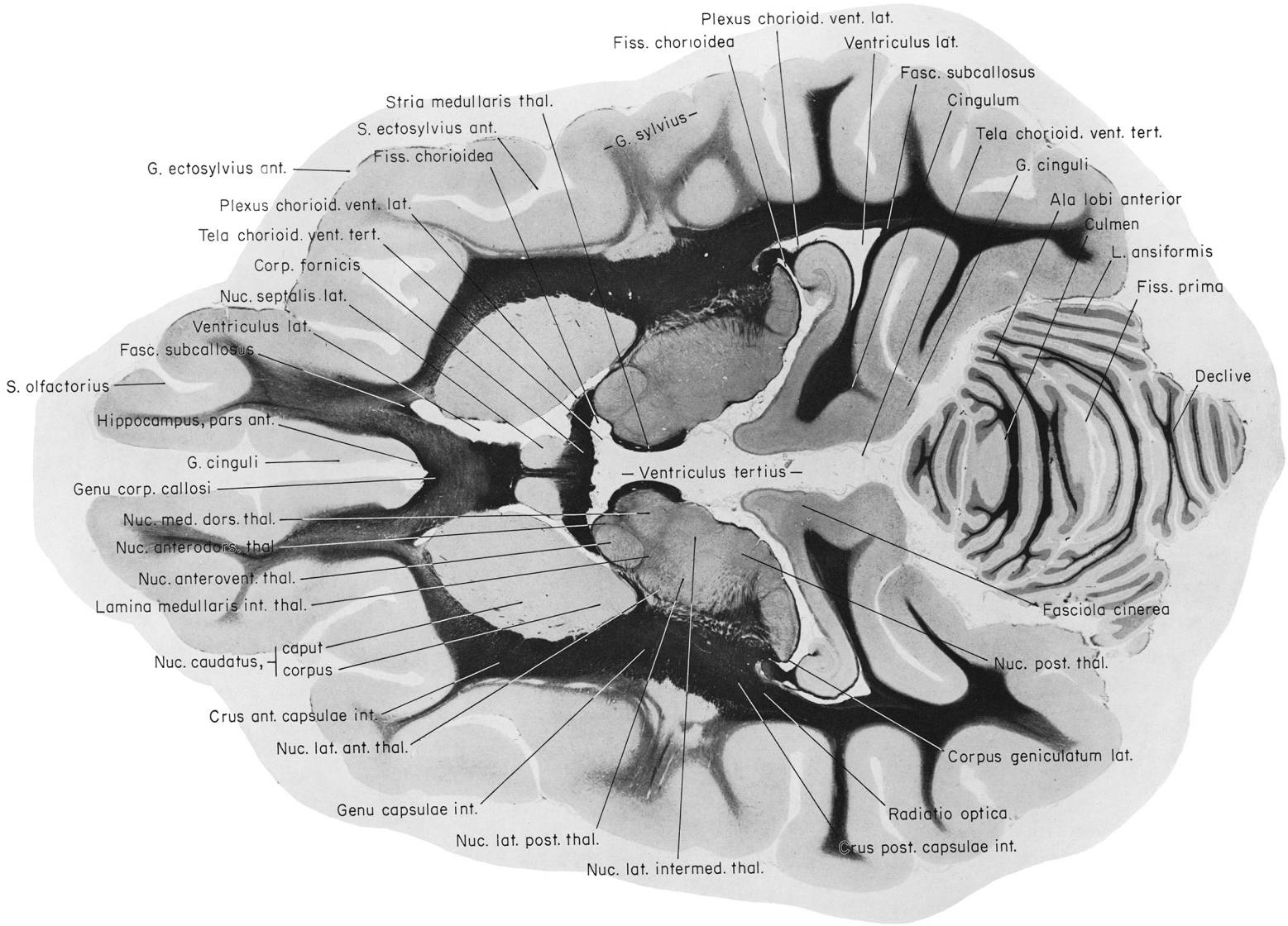

Plexus chorioid. vent. lat.
Fiss. chorioidea
Ventriculus lat.
Fasc. subcallosus
Cingulum
Stria medullaris thal.
S. ectosylvius ant.
G. sylvius
Tela chorioid. vent. tert.
G. ectosylvius ant.
Fiss. chorioidea
G. cinguli
Ala lobi anterior
Plexus chorioid. vent. lat.
Culmen
Tela chorioid. vent. tert.
L. ansiformis
Corp. fornicis
Fiss. prima
Nuc. septalis lat.
Ventriculus lat.
Fasc. subcallosus
Declive
S. olfactorius
Hippocampus, pars ant.
G. cinguli
— Ventriculus tertius —
Genu corp. callosi
Nuc. med. dors. thal.
Nuc. anterodors. thal.
Fasciola cinerea
Nuc. anterovent. thal.
Lamina medullaris int. thal.
Nuc. post. thal.
Nuc. caudatus, caput
corpus
Crus ant. capsulae int.
Nuc. lat. ant. thal.
Corpus geniculatum lat.
Genu capsulae int.
Radiatio optica
Nuc. lat. post. thal.
Crus post. capsulae int.
Nuc. lat. intermed. thal.

Plate 105

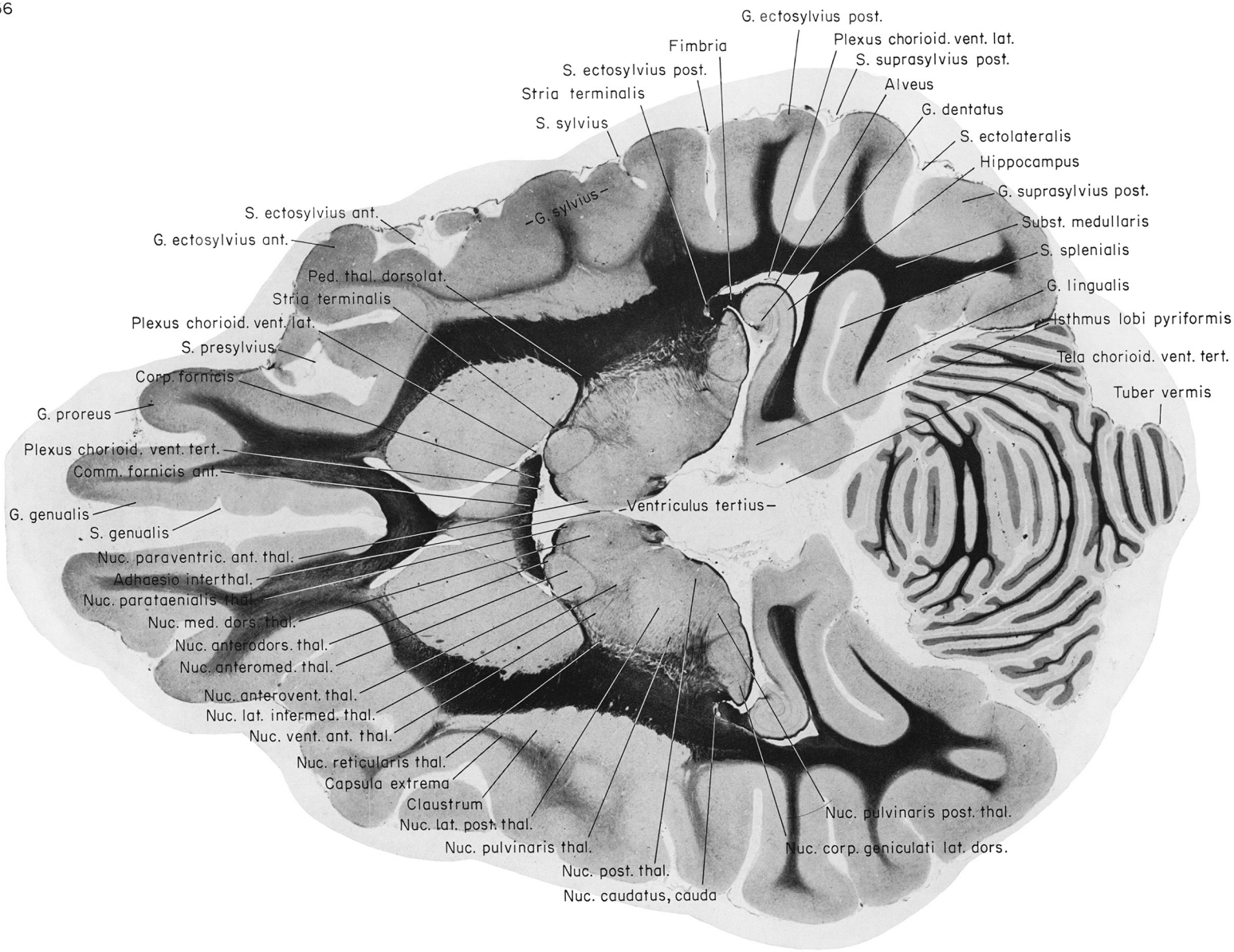

G. ectosylvius post.
Plexus chorioid. vent. lat.
Fimbria
S. suprasylvius post.
S. ectosylvius post.
Alveus
Stria terminalis
G. dentatus
S. sylvius
S. ectolateralis
Hippocampus
G. sylvius
G. suprasylvius post.
S. ectosylvius ant.
Subst. medullaris
G. ectosylvius ant.
S. splenialis
Ped. thal. dorsolat.
G. lingualis
Stria terminalis
Isthmus lobi pyriformis
Plexus chorioid. vent. lat.
S. presylvius
Tela chorioid. vent. tert.
Corp. fornicis
Tuber vermis
G. proreus
Plexus chorioid. vent. tert.
Comm. fornicis ant.
Ventriculus tertius
G. genualis
S. genualis
Nuc. paraventric. ant. thal.
Adhaesio interthal.
Nuc. parataenialis thal.
Nuc. med. dors. thal.
Nuc. anterodors. thal.
Nuc. anteromed. thal.
Nuc. anterovent. thal.
Nuc. lat. intermed. thal.
Nuc. vent. ant. thal.
Nuc. reticularis thal.
Capsula extrema
Claustrum
Nuc. lat. post. thal.
Nuc. pulvinaris post. thal.
Nuc. pulvinaris thal.
Nuc. corp. geniculati lat. dors.
Nuc. post. thal.
Nuc. caudatus, cauda

Plate 106

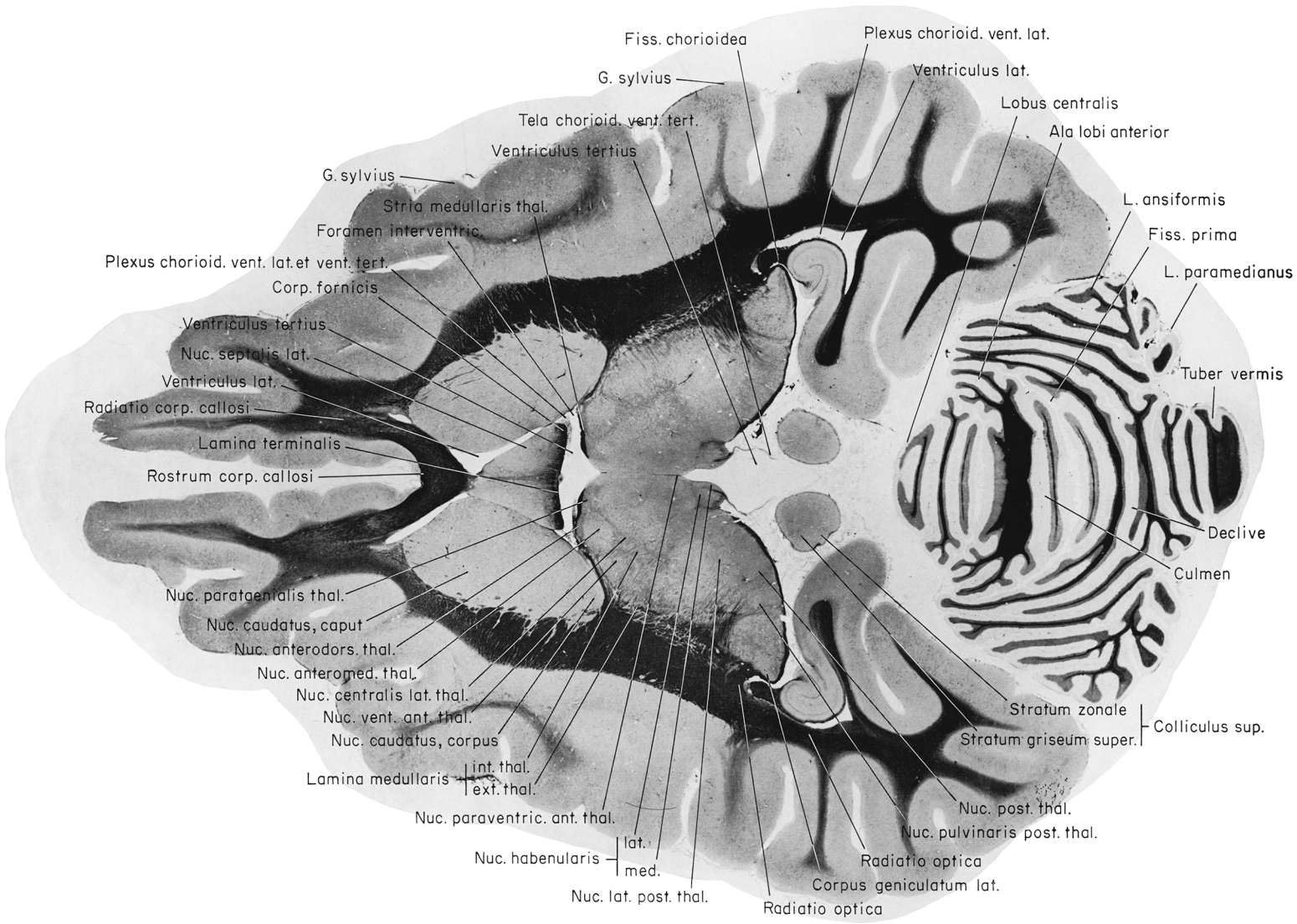

Fiss. chorioidea
Plexus chorioid. vent. lat.
G. sylvius
Ventriculus lat.
Lobus centralis
Tela chorioid. vent. tert.
Ala lobi anterior
Ventriculus tertius
G. sylvius
L. ansiformis
Stria medullaris thal.
Fiss. prima
Foramen interventric.
Plexus chorioid. vent. lat. et vent. tert.
L. paramedianus
Corp. fornicis
Ventriculus tertius
Tuber vermis
Nuc. septalis lat.
Ventriculus lat.
Radiatio corp. callosi
Lamina terminalis
Rostrum corp. callosi
Declive
Culmen
Nuc. parataenialis thal.
Nuc. caudatus, caput
Nuc. anterodors. thal.
Nuc. anteromed. thal.
Nuc. centralis lat. thal.
Nuc. vent. ant. thal.
Nuc. caudatus, corpus
Stratum zonale
Colliculus sup.
Stratum griseum super.
Lamina medullaris
int. thal.
ext. thal.
Nuc. post. thal.
Nuc. paraventric. ant. thal.
Nuc. pulvinaris post. thal.
lat.
Nuc. habenularis
med.
Radiatio optica
Corpus geniculatum lat.
Nuc. lat. post. thal.
Radiatio optica

Plate 107

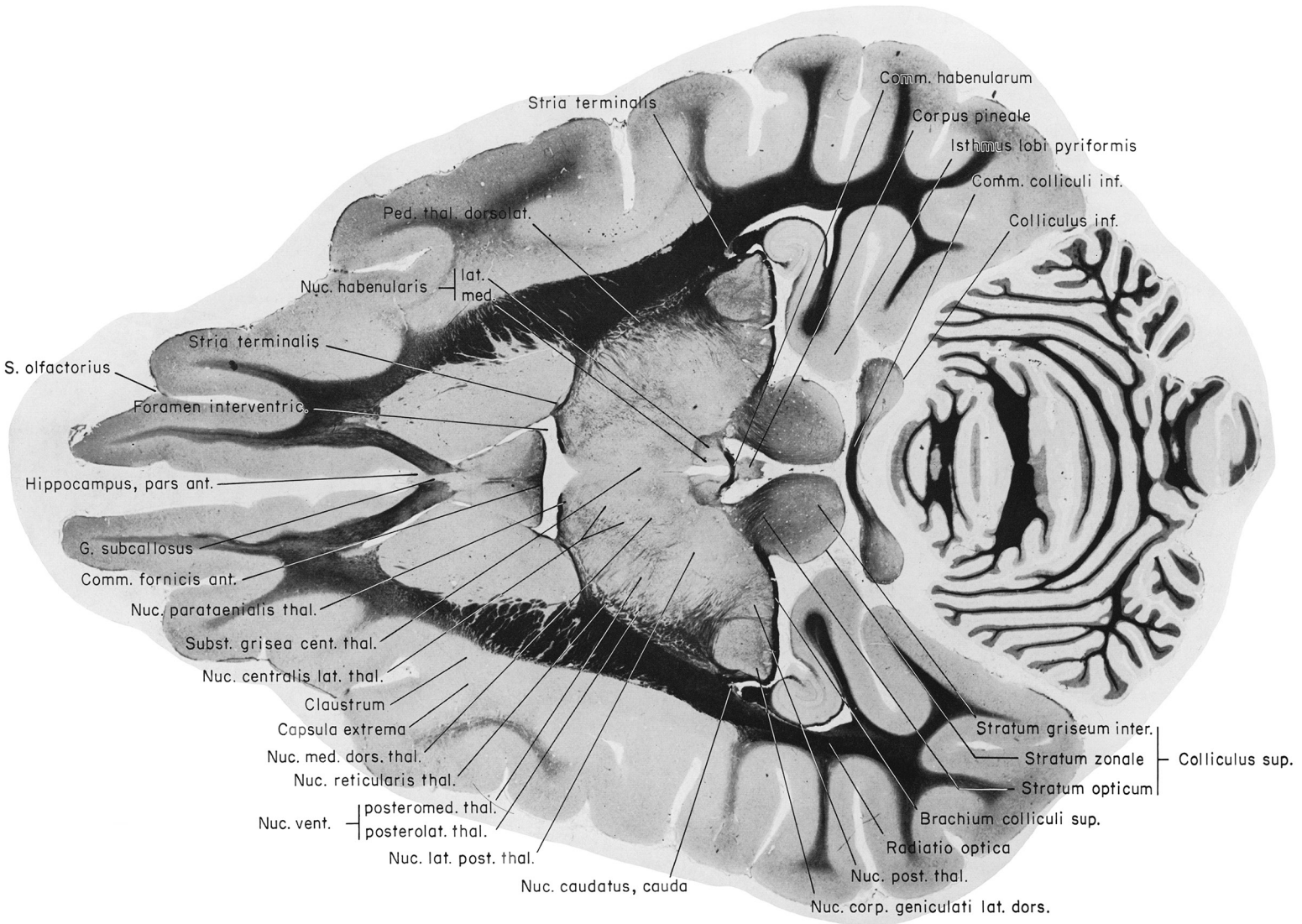

Comm. habenularum
Stria terminalis
Corpus pineale
Isthmus lobi pyriformis
Comm. colliculi inf.
Ped. thal. dorsolat.
Colliculus inf.
Nuc. habenularis
lat.
med.
Stria terminalis
S. olfactorius
Foramen interventric.
Hippocampus, pars ant.
G. subcallosus
Comm. fornicis ant.
Nuc. parataenialis thal.
Subst. grisea cent. thal.
Nuc. centralis lat. thal.
Claustrum
Capsula extrema
Nuc. med. dors. thal.
Nuc. reticularis thal.
Nuc. vent.
posteromed. thal.
posterolat. thal.
Nuc. lat. post. thal.
Nuc. caudatus, cauda
Stratum griseum inter.
Stratum zonale
Stratum opticum
Colliculus sup.
Brachium colliculi sup.
Radiatio optica
Nuc. post. thal.
Nuc. corp. geniculati lat. dors.

Plate 108

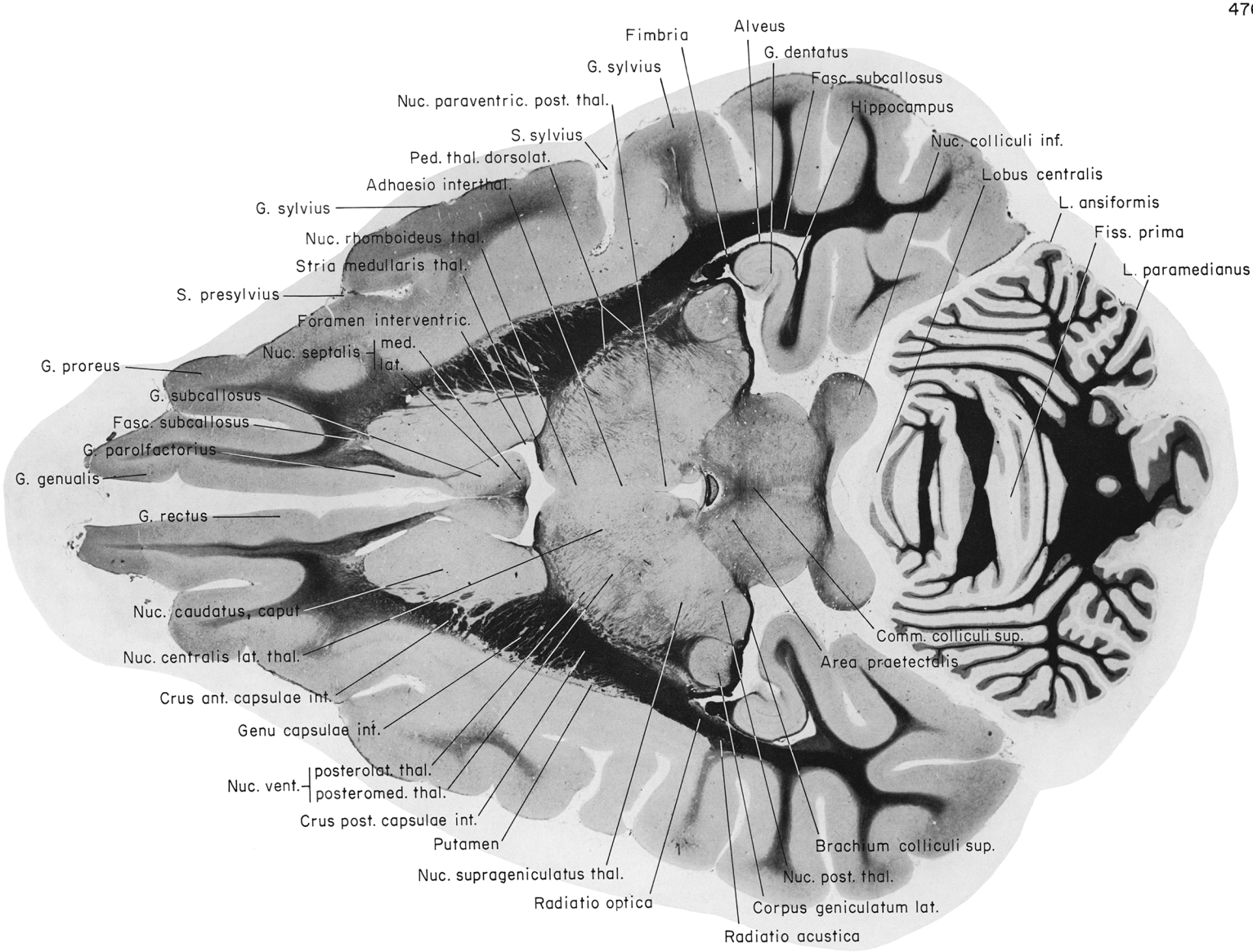

Fimbria
Alveus
G. dentatus
G. sylvius
Fasc. subcallosus
Nuc. paraventric. post. thal.
Hippocampus
S. sylvius
Nuc. colliculi inf.
Ped. thal. dorsolat.
Lobus centralis
Adhaesio interthal.
L. ansiformis
G. sylvius
Fiss. prima
Nuc. rhomboideus thal.
L. paramedianus
Stria medullaris thal.
S. presylvius
Foramen interventric.
Nuc. septalis med.
lat.
G. proreus
G. subcallosus
Fasc. subcallosus
G. parolfactorius
G. genualis
G. rectus
Nuc. caudatus, caput
Comm. colliculi sup.
Area praetectalis
Nuc. centralis lat. thal.
Crus ant. capsulae int.
Genu capsulae int.
Nuc. vent. posterolat. thal.
posteromed. thal.
Crus post. capsulae int.
Putamen
Brachium colliculi sup.
Nuc. supragenículatus thal.
Nuc. post. thal.
Radiatio optica
Corpus geniculatum lat.
Radiatio acustica

Plate 109

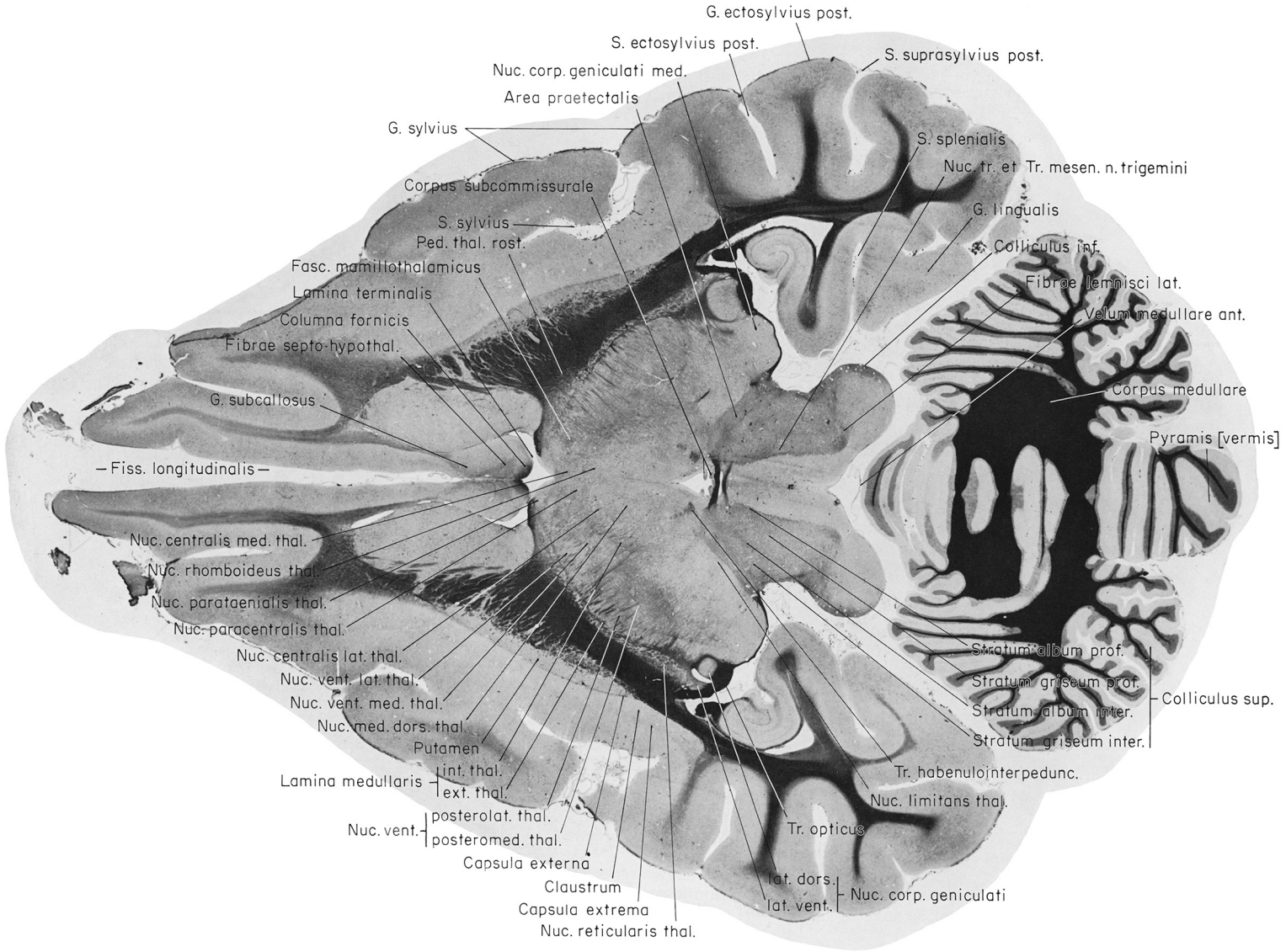

G. ectosylvius post.
S. ectosylvius post.
S. suprasylvius post.
Nuc. corp. geniculati med.
Area praetectalis
G. sylvius
S. splenialis
Nuc. tr. et Tr. mesen. n. trigemini
Corpus subcommissurale
G. lingualis
S. sylvius
Ped. thal. rost.
Colliculus inf.
Fasc. mamillothalamicus
Fibrae lemnisci lat.
Lamina terminalis
Velum medullare ant.
Columna fornicis
Fibrae septo-hypothal.
Corpus medullare
G. subcallosus
Pyramis [vermis]
— Fiss. longitudinalis —
Nuc. centralis med. thal.
Nuc. rhomboideus thal.
Nuc. parataenialis thal.
Nuc. paracentralis thal.
Nuc. centralis lat. thal.
Stratum album prof.
Nuc. vent. lat. thal.
Stratum griseum prof.
Colliculus sup.
Nuc. vent. med. thal.
Stratum album inter.
Nuc. med. dors. thal.
Stratum griseum inter.
Putamen
Tr. habenulointerpedunc.
Lamina medullaris
int. thal.
ext. thal.
Nuc. limitans thal.
Nuc. vent.
posterolat. thal.
posteromed. thal.
Tr. opticus
Capsula externa
lat. dors.
lat. vent.
Nuc. corp. geniculati
Claustrum
Capsula extrema
Nuc. reticularis thal.

Plate 110

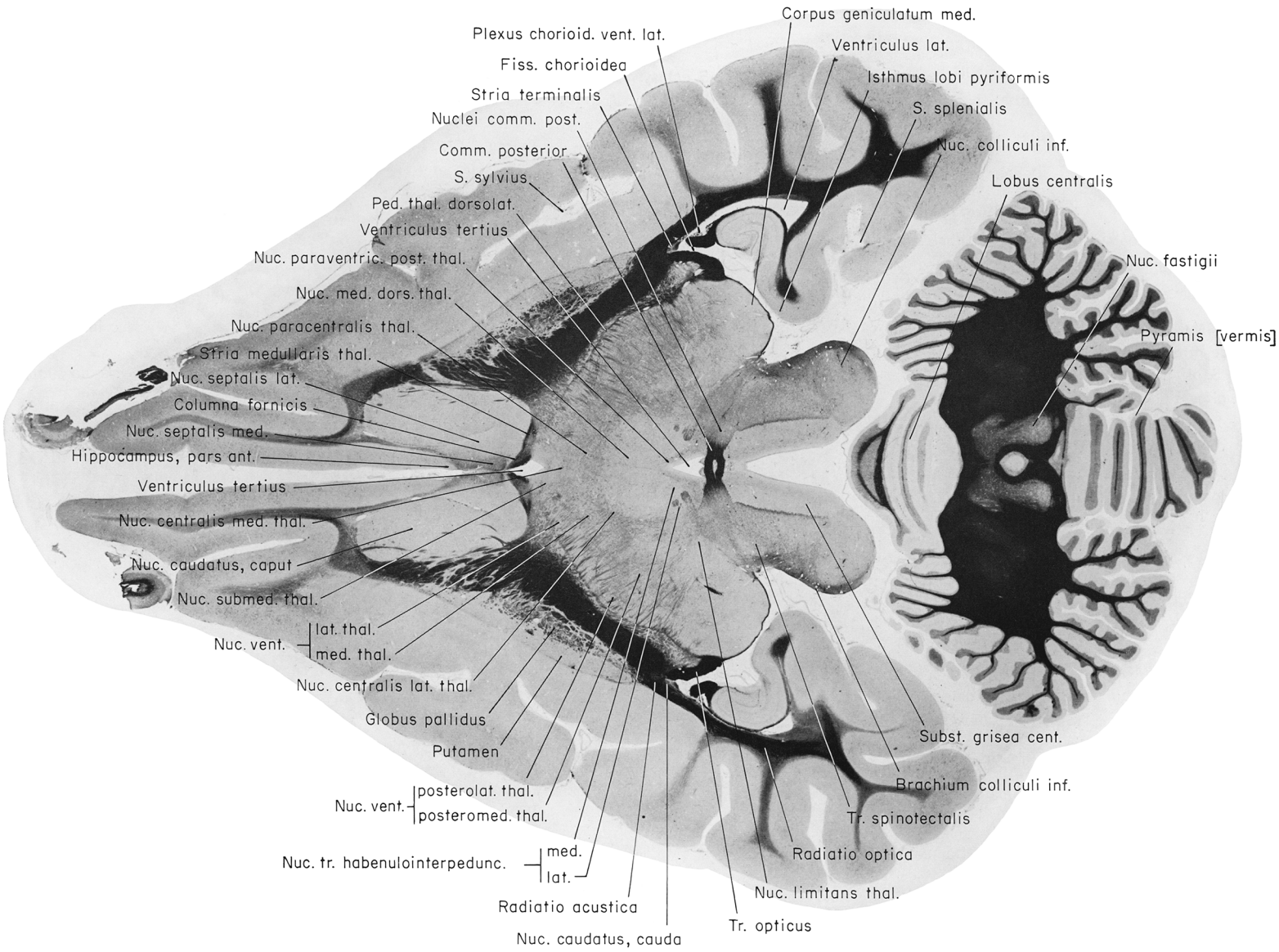

Corpus geniculatum med.
Plexus chorioid. vent. lat.
Ventriculus lat.
Fiss. chorioidea
Isthmus lobi pyriformis
Stria terminalis
S. splenialis
Nuclei comm. post.
Nuc. colliculi inf.
Comm. posterior
Lobus centralis
S. sylvius
Ped. thal. dorsolat.
Nuc. fastigii
Ventriculus tertius
Nuc. paraventric. post. thal.
Pyramis [vermis]
Nuc. med. dors. thal.
Nuc. paracentralis thal.
Stria medullaris thal.
Nuc. septalis lat.
Columna fornicis
Nuc. septalis med.
Hippocampus, pars ant.
Ventriculus tertius
Nuc. centralis med. thal.
Nuc. caudatus, caput
Nuc. submed. thal.
Nuc. vent. lat. thal.
med. thal.
Nuc. centralis lat. thal.
Globus pallidus
Putamen
Subst. grisea cent.
Brachium colliculi inf.
Nuc. vent. posterolat. thal.
posteromed. thal.
Tr. spinotectalis
Radiatio optica
Nuc. tr. habenulointerpedunc. med.
lat.
Nuc. limitans thal.
Radiatio acustica
Tr. opticus
Nuc. caudatus, cauda

Plate 111

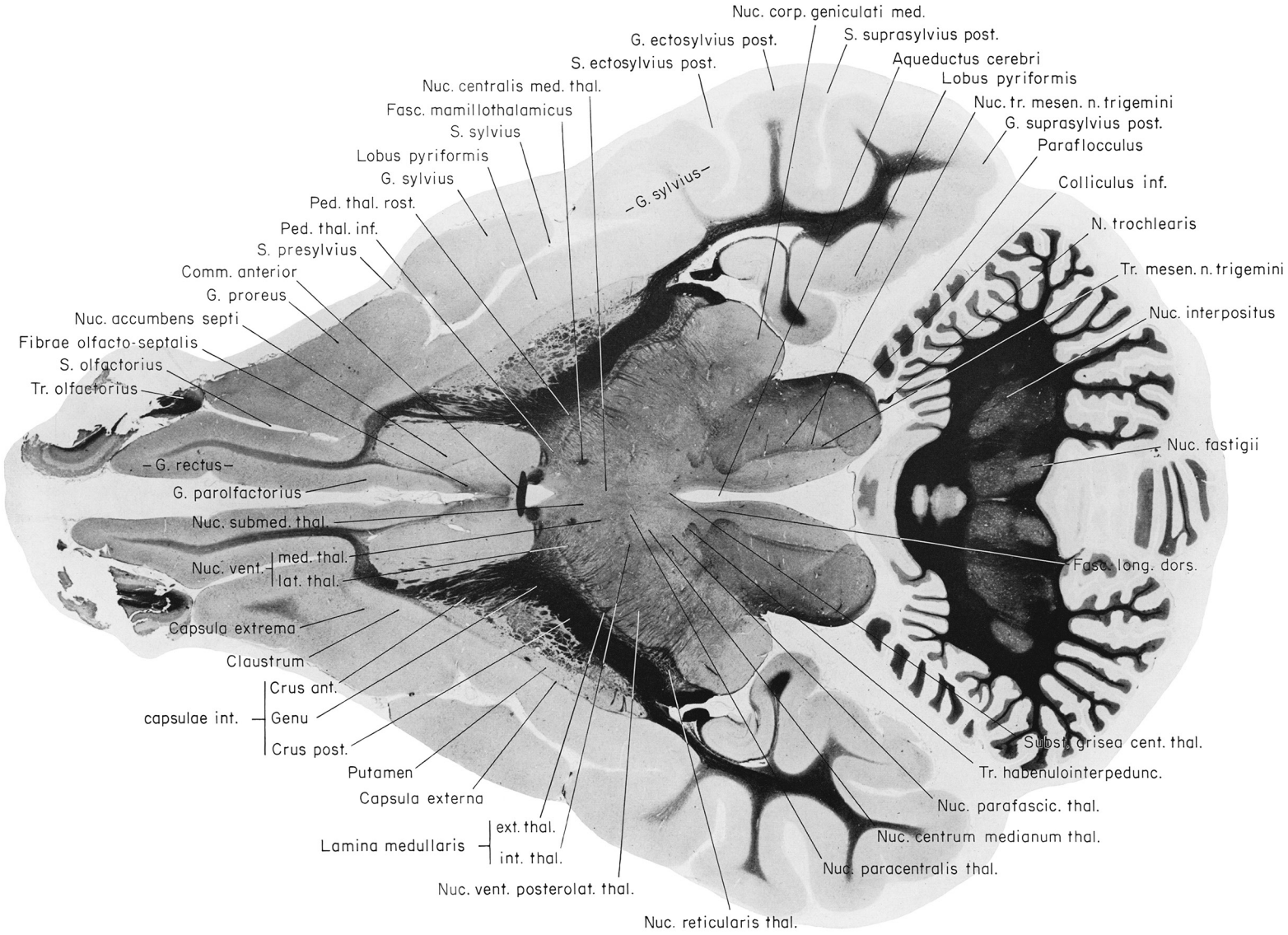

Nuc. corp. geniculati med.
G. ectosylvius post.
S. suprasylvius post.
S. ectosylvius post.
Aqueductus cerebri
Nuc. centralis med. thal.
Lobus pyriformis
Fasc. mamillothalamicus
Nuc. tr. mesen. n. trigemini
S. sylvius
G. suprasylvius post.
Lobus pyriformis
Paraflocculus
G. sylvius
–G. sylvius–
Colliculus inf.
Ped. thal. rost.
N. trochlearis
Ped. thal. inf.
S. presylvius
Tr. mesen. n. trigemini
Comm. anterior
G. proreus
Nuc. interpositus
Nuc. accumbens septi
Fibrae olfacto-septalis
S. olfactorius
Tr. olfactorius
Nuc. fastigii
–G. rectus–
G. parolfactorius
Nuc. submed. thal.
Fasc. long. dors.
Nuc. vent. med. thal.
lat. thal.
Capsula extrema
Claustrum
Subst. grisea cent. thal.
Crus ant.
capsulae int. Genu
Crus post.
Tr. habenulointerpedunc.
Putamen
Capsula externa
Nuc. parafascic. thal.
Lamina medullaris ext. thal.
int. thal.
Nuc. centrum medianum thal.
Nuc. paracentralis thal.
Nuc. vent. posterolat. thal.
Nuc. reticularis thal.

Plate 112

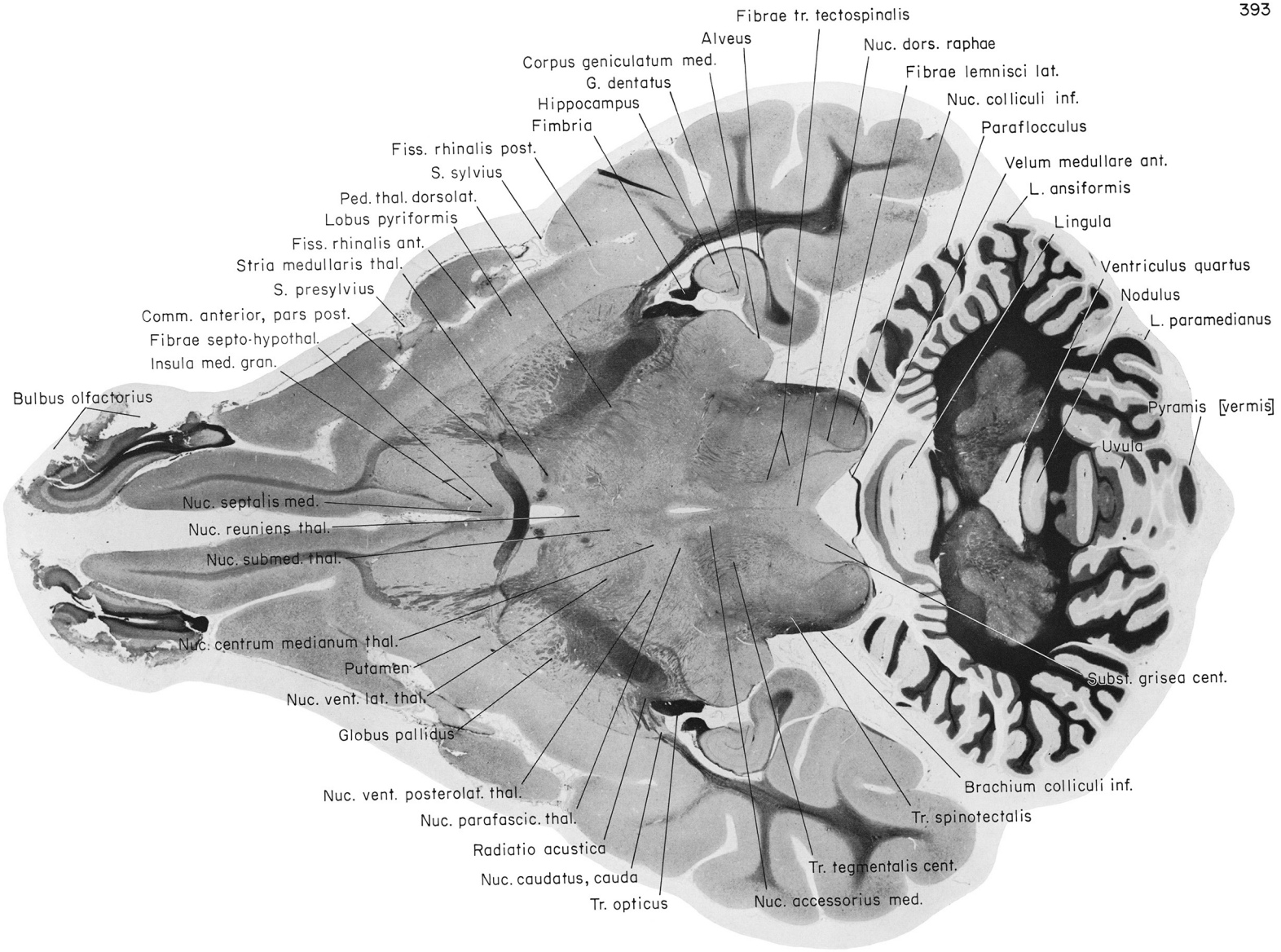

Fibrae tr. tectospinalis
Alveus
Nuc. dors. raphae
Corpus geniculatum med.
Fibrae lemnisci lat.
G. dentatus
Nuc. colliculi inf.
Hippocampus
Fimbria
Paraflocculus
Fiss. rhinalis post.
Velum medullare ant.
S. sylvius
L. ansiformis
Ped. thal. dorsolat.
Lingula
Lobus pyriformis
Fiss. rhinalis ant.
Ventriculus quartus
Stria medullaris thal.
Nodulus
S. presylvius
L. paramedianus
Comm. anterior, pars post.
Fibrae septo-hypothal.
Insula med. gran.
Bulbus olfactorius
Pyramis [vermis]
Uvula
Nuc. septalis med.
Nuc. reuniens thal.
Nuc. submed. thal.
Nuc. centrum medianum thal.
Putamen
Subst. grisea cent.
Nuc. vent. lat. thal.
Globus pallidus
Brachium colliculi inf.
Nuc. vent. posterolat. thal.
Tr. spinotectalis
Nuc. parafascic. thal.
Radiatio acustica
Tr. tegmentalis cent.
Nuc. caudatus, cauda
Tr. opticus
Nuc. accessorius med.

Plate 113

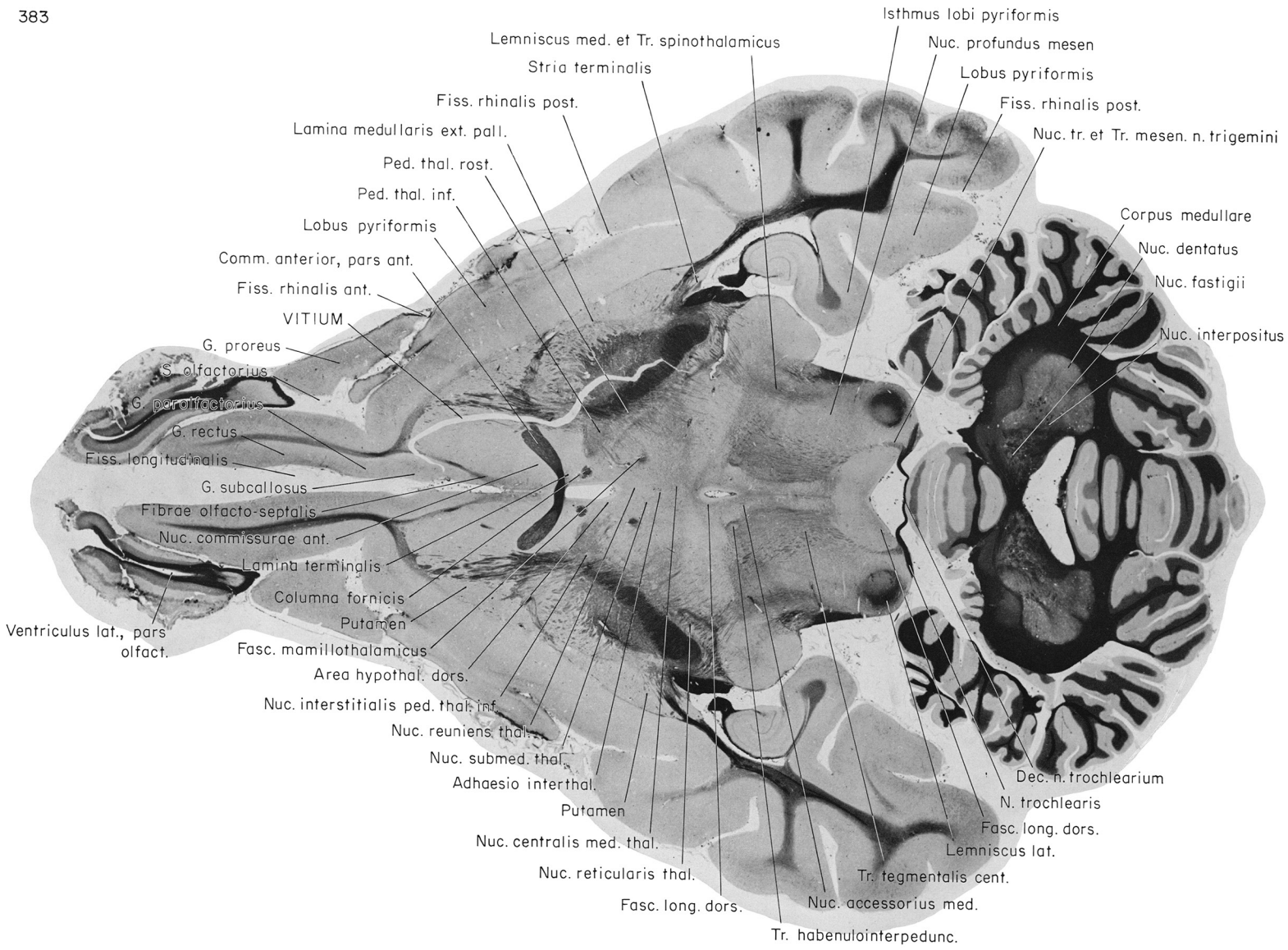

Isthmus lobi pyriformis
Lemniscus med. et Tr. spinothalamicus
Nuc. profundus mesen
Stria terminalis
Lobus pyriformis
Fiss. rhinalis post.
Fiss. rhinalis post.
Lamina medullaris ext. pall.
Nuc. tr. et Tr. mesen. n. trigemini
Ped. thal. rost.
Ped. thal. inf.
Corpus medullare
Lobus pyriformis
Nuc. dentatus
Comm. anterior, pars ant.
Nuc. fastigii
Fiss. rhinalis ant.
VITIUM
Nuc. interpositus
G. proreus
S. olfactorius
G. paraolfactorius
G. rectus
Fiss. longitudinalis
G. subcallosus
Fibrae olfacto-septalis
Nuc. commissurae ant.
Lamina terminalis
Columna fornicis
Putamen
Ventriculus lat., pars olfact.
Fasc. mamillothalamicus
Area hypothal. dors.
Nuc. interstitialis ped. thal. inf.
Nuc. reuniens thal.
Nuc. submed. thal.
Adhaesio interthal.
Dec. n. trochlearium
N. trochlearis
Putamen
Fasc. long. dors.
Nuc. centralis med. thal.
Lemniscus lat.
Nuc. reticularis thal.
Tr. tegmentalis cent.
Fasc. long. dors.
Nuc. accessorius med.
Tr. habenulointerpedunc.

Plate 114

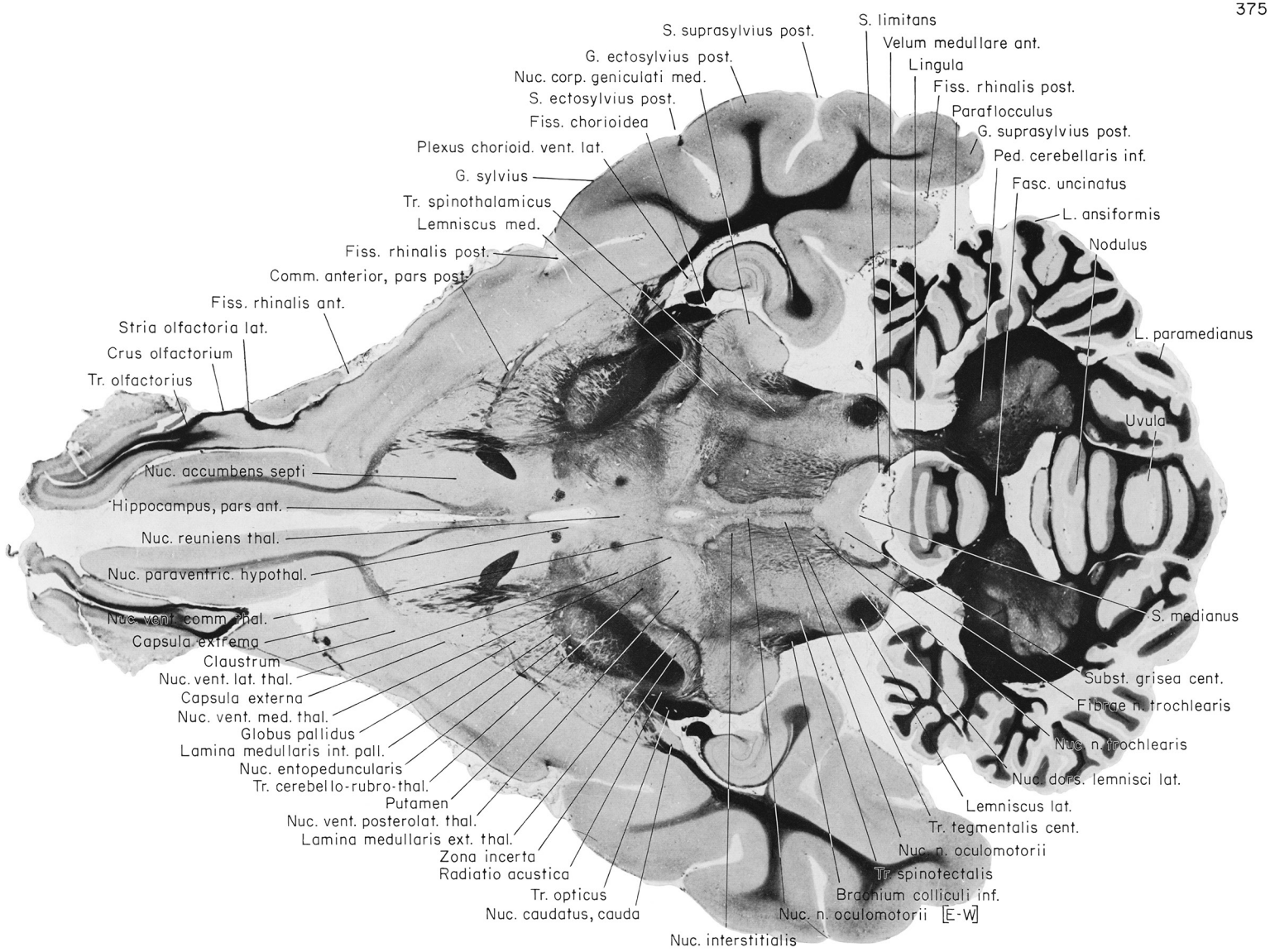

S. suprasylvius post.
S. limitans
Velum medullare ant.
G. ectosylvius post.
Lingula
Nuc. corp. geniculati med.
Fiss. rhinalis post.
S. ectosylvius post.
Paraflocculus
Fiss. chorioidea
G. suprasylvius post.
Plexus chorioid. vent. lat.
Ped. cerebellaris inf.
G. sylvius
Fasc. uncinatus
Tr. spinothalamicus
L. ansiformis
Lemniscus med.
Nodulus
Fiss. rhinalis post.
Comm. anterior, pars post.
L. paramedianus
Fiss. rhinalis ant.
Stria olfactoria lat.
Crus olfactorium
Tr. olfactorius
Uvula
Nuc. accumbens septi
Hippocampus, pars ant.
Nuc. reuniens thal.
Nuc. paraventric. hypothal.
S. medianus
Nuc. vent. comm. thal.
Capsula extrema
Claustrum
Subst. grisea cent.
Nuc. vent. lat. thal.
Fibrae n. trochlearis
Capsula externa
Nuc. vent. med. thal.
Nuc. n. trochlearis
Globus pallidus
Lamina medullaris int. pall.
Nuc. dors. lemnisci lat.
Nuc. entopeduncularis
Tr. cerebello-rubro-thal.
Lemniscus lat.
Putamen
Tr. tegmentalis cent.
Nuc. vent. posterolat. thal.
Nuc. n. oculomotorii
Lamina medullaris ext. thal.
Tr. spinotectalis
Zona incerta
Radiatio acustica
Brachium colliculi inf.
Tr. opticus
Nuc. n. oculomotorii [E-W]
Nuc. caudatus, cauda
Nuc. interstitialis

Plate 115

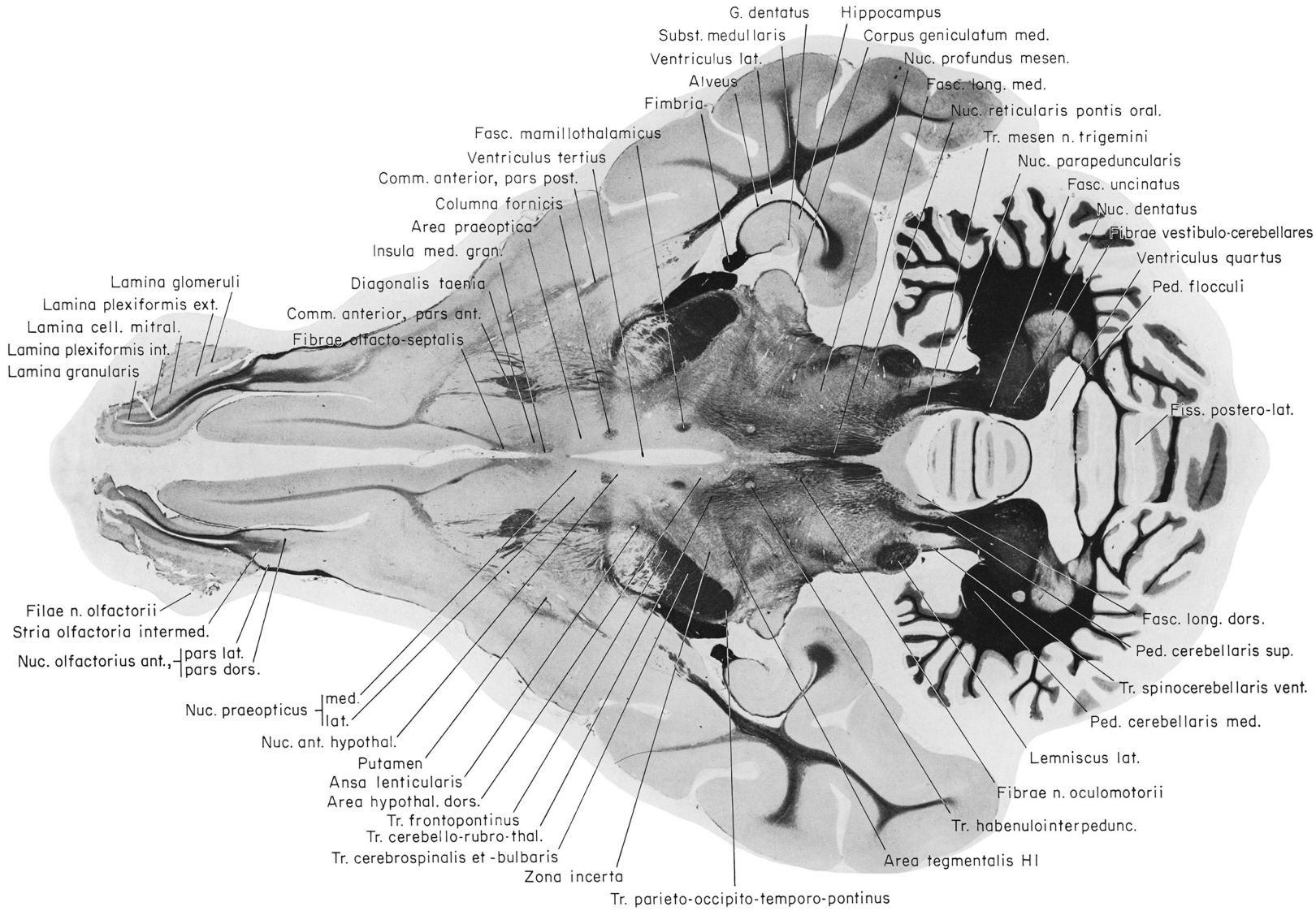

G. dentatus
Hippocampus
Subst. medullaris
Corpus geniculatum med.
Ventriculus lat.
Nuc. profundus mesen.
Alveus
Fasc. long. med.
Fimbria
Nuc. reticularis pontis oral.
Fasc. mamillothalamicus
Tr. mesen n. trigemini
Ventriculus tertius
Nuc. parapeduncularis
Comm. anterior, pars post.
Fasc. uncinatus
Columna fornicis
Nuc. dentatus
Area praeoptica
Fibrae vestibulo-cerebellares
Insula med. gran.
Ventriculus quartus
Lamina glomeruli
Diagonalis taenia
Ped. flocculi
Lamina plexiformis ext.
Comm. anterior, pars ant.
Lamina cell. mitral.
Fibrae olfacto-septalis
Lamina plexiformis int.
Lamina granularis
Fiss. postero-lat.
Filae n. olfactorii
Stria olfactoria intermed.
Nuc. olfactorius ant., pars lat. pars dors.
Fasc. long. dors.
Ped. cerebellaris sup.
Nuc. praeopticus med. lat.
Tr. spinocerebellaris vent.
Ped. cerebellaris med.
Nuc. ant. hypothal.
Lemniscus lat.
Putamen
Ansa lenticularis
Fibrae n. oculomotorii
Area hypothal. dors.
Tr. habenulointerpedunc.
Tr. frontopontinus
Tr. cerebello-rubro-thal.
Area tegmentalis HI
Tr. cerebrospinalis et -bulbaris
Zona incerta
Tr. parieto-occipito-temporo-pontinus

Plate 116

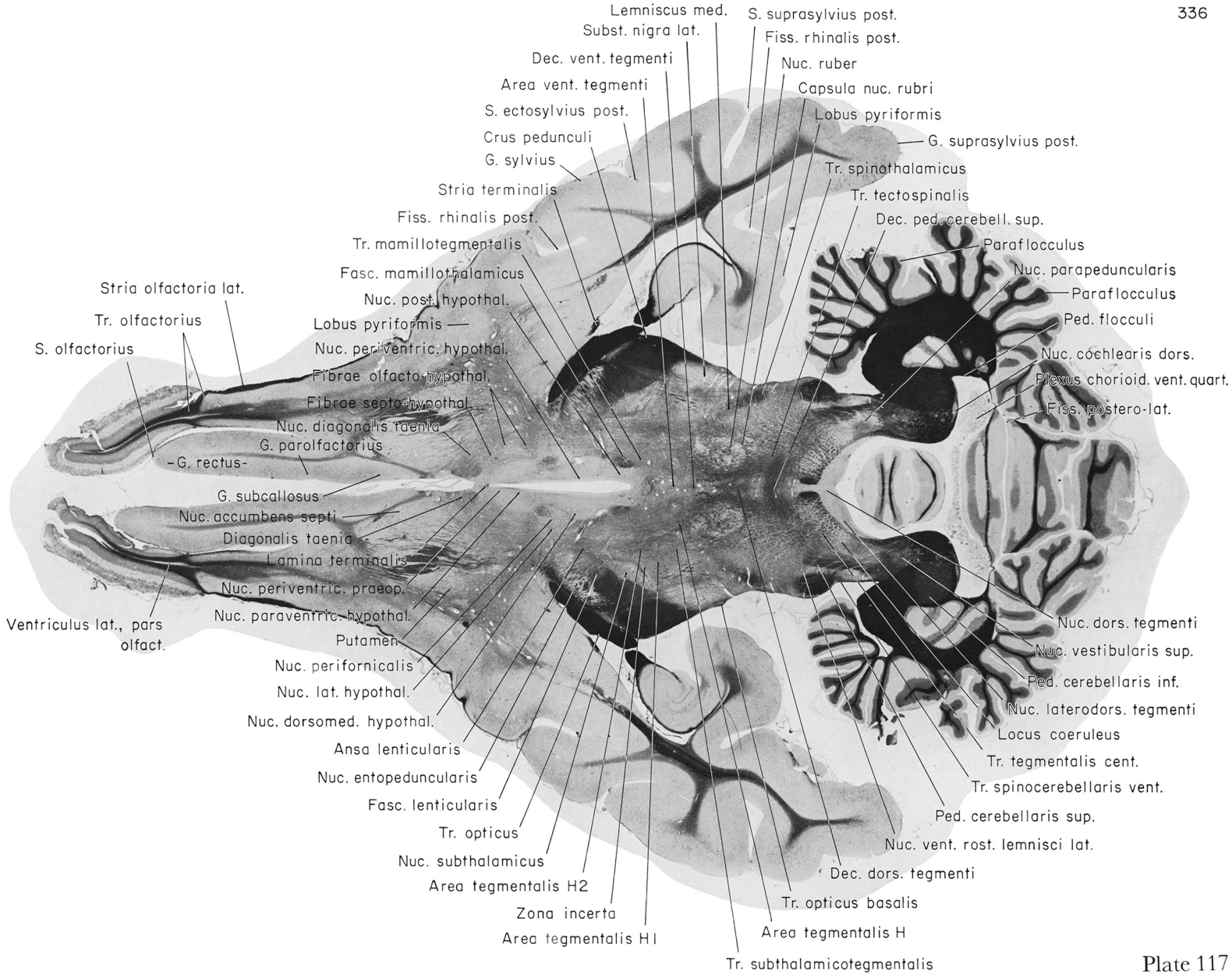

Lemniscus med.
Subst. nigra lat.
Dec. vent. tegmenti
Area vent. tegmenti
S. ectosylvius post.
Crus pedunculi
G. sylvius
Stria terminalis
Fiss. rhinalis post.
Tr. mamillotegmentalis
Fasc. mamillothalamicus
Nuc. post. hypothal.
Lobus pyriformis
Nuc. periventric. hypothal.
Fibrae olfacto-hypothal.
Fibrae septo-hypothal.
Nuc. diagonalis taenia
G. parolfactorius
-G. rectus-
G. subcallosus
Nuc. accumbens septi
Diagonalis taenia
Lamina terminalis
Nuc. periventric. praeop.
Nuc. paraventric. hypothal.
Putamen
Nuc. perifornicalis
Nuc. lat. hypothal.
Nuc. dorsomed. hypothal.
Ansa lenticularis
Nuc. entopeduncularis
Fasc. lenticularis
Tr. opticus
Nuc. subthalamicus
Area tegmentalis H2
Zona incerta
Area tegmentalis H1
Tr. subthalamicotegmentalis
Area tegmentalis H
Tr. opticus basalis
Dec. dors. tegmenti
Nuc. vent. rost. lemnisci lat.
Ped. cerebellaris sup.
Tr. spinocerebellaris vent.
Tr. tegmentalis cent.
Locus coeruleus
Nuc. laterodors. tegmenti
Ped. cerebellaris inf.
Nuc. vestibularis sup.
Nuc. dors. tegmenti
Ventriculus lat., pars olfact.
Stria olfactoria lat.
Tr. olfactorius
S. olfactorius
S. suprasylvius post.
Fiss. rhinalis post.
Nuc. ruber
Capsula nuc. rubri
Lobus pyriformis
G. suprasylvius post.
Tr. spinothalamicus
Tr. tectospinalis
Dec. ped. cerebell. sup.
Paraflocculus
Nuc. parapeduncularis
Paraflocculus
Ped. flocculi
Nuc. cochlearis dors.
Plexus chorioid. vent. quart.
Fiss. postero-lat.

Plate 117

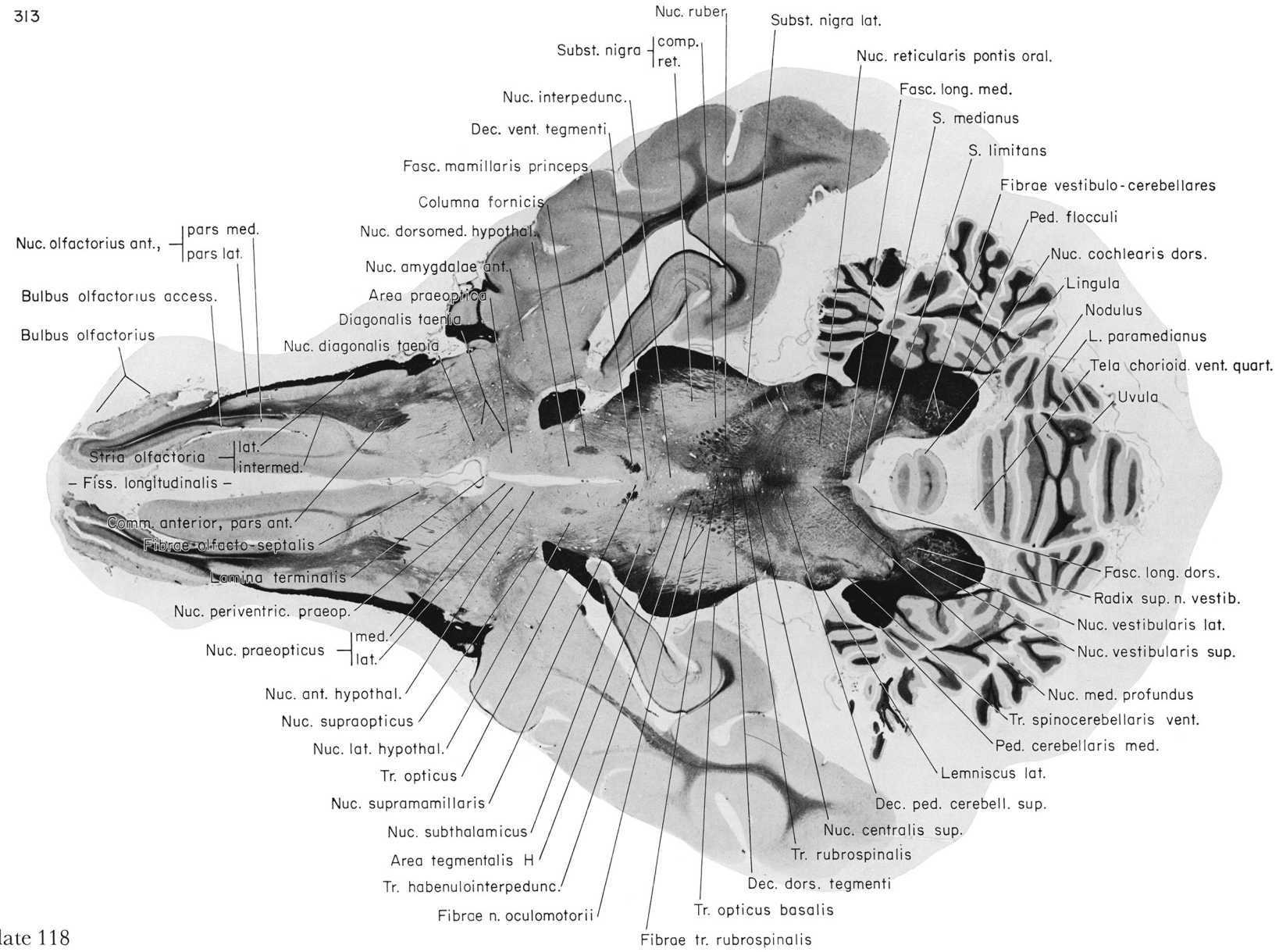

Nuc. ruber
Subst. nigra lat.
Subst. nigra
comp.
ret.
Nuc. reticularis pontis oral.
Fasc. long. med.
Nuc. interpedunc.
S. medianus
Dec. vent. tegmenti
S. limitans
Fasc. mamillaris princeps
Fibrae vestibulo-cerebellares
Columna fornicis
Ped. flocculi
Nuc. olfactorius ant.,
pars med.
pars lat.
Nuc. dorsomed. hypothal.
Nuc. cochlearis dors.
Nuc. amygdalae ant.
Lingula
Bulbus olfactorius access.
Area praeoptica
Nodulus
Diagonalis taenia
L. paramedianus
Bulbus olfactorius
Nuc. diagonalis taenia
Tela chorioid. vent. quart.
Uvula
Stria olfactoria
lat.
intermed.
– Fiss. longitudinalis –
Comm. anterior, pars ant.
Fibrae olfacto-septalis
Fasc. long. dors.
Lamina terminalis
Radix sup. n. vestib.
Nuc. periventric. praeop.
Nuc. vestibularis lat.
Nuc. praeopticus
med.
lat.
Nuc. vestibularis sup.
Nuc. ant. hypothal.
Nuc. med. profundus
Nuc. supraopticus
Tr. spinocerebellaris vent.
Nuc. lat. hypothal.
Ped. cerebellaris med.
Tr. opticus
Lemniscus lat.
Nuc. supramamillaris
Dec. ped. cerebell. sup.
Nuc. subthalamicus
Nuc. centralis sup.
Area tegmentalis H
Tr. rubrospinalis
Tr. habenulointerpedunc.
Dec. dors. tegmenti
Fibrae n. oculomotorii
Tr. opticus basalis
Fibrae tr. rubrospinalis

Plate 118

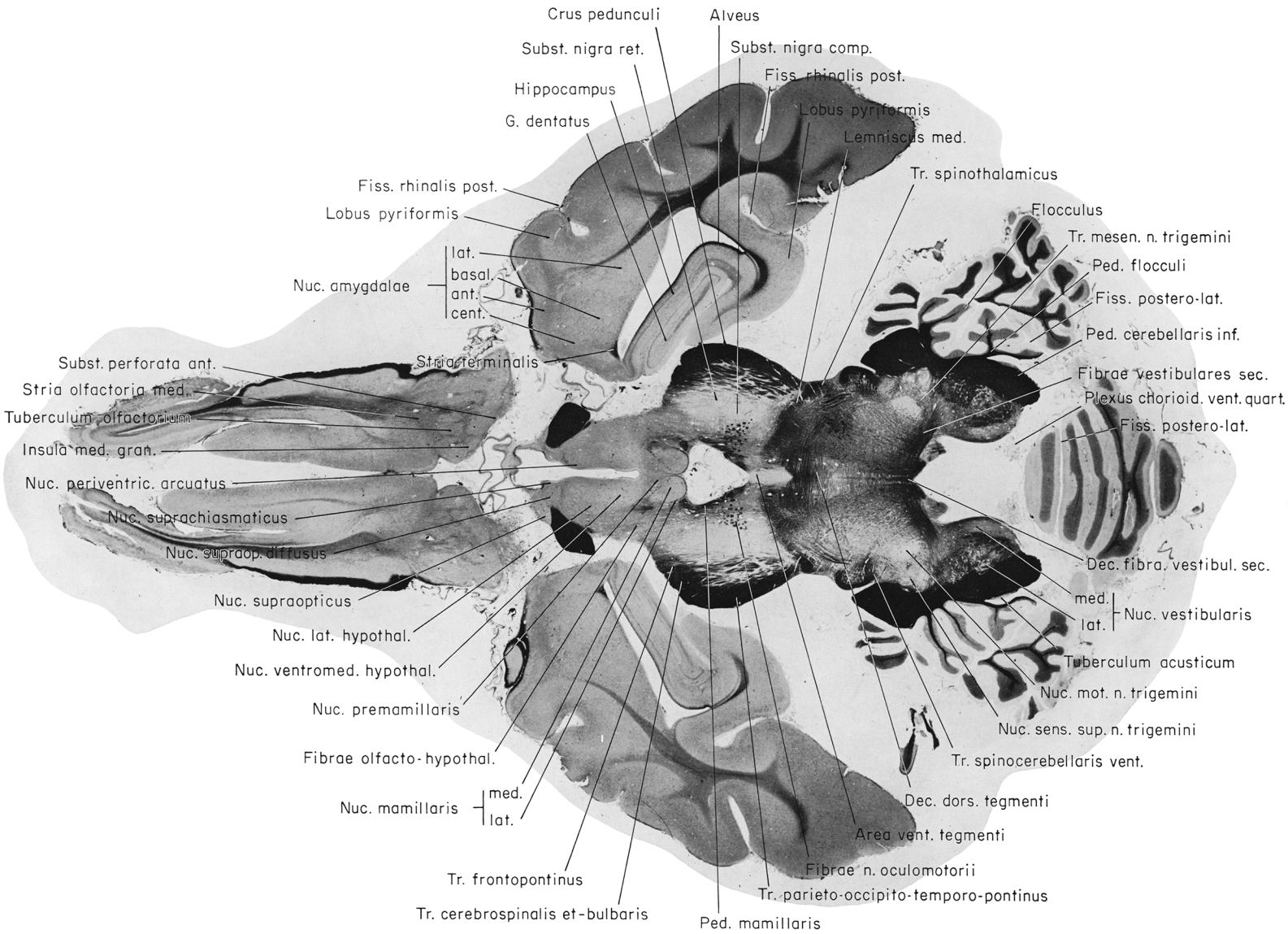

Crus pedunculi
Alveus
Subst. nigra ret.
Subst. nigra comp.
Fiss. rhinalis post.
Hippocampus
Lobus pyriformis
G. dentatus
Lemniscus med.
Tr. spinothalamicus
Fiss. rhinalis post.
Lobus pyriformis
Flocculus
Tr. mesen. n. trigemini
lat.
basal.
ant.
cent.
Nuc. amygdalae
Ped. flocculi
Fiss. postero-lat.
Ped. cerebellaris inf.
Subst. perforata ant.
Stria terminalis
Fibrae vestibulares sec.
Stria olfactoria med.
Plexus chorioid. vent. quart.
Tuberculum olfactorium
Fiss. postero-lat.
Insula med. gran.
Nuc. periventric. arcuatus
Nuc. suprachiasmaticus
Nuc. supraop. diffusus
Dec. fibra. vestibul. sec.
Nuc. supraopticus
med.
lat.
Nuc. vestibularis
Nuc. lat. hypothal.
Tuberculum acusticum
Nuc. ventromed. hypothal.
Nuc. mot. n. trigemini
Nuc. premamillaris
Nuc. sens. sup. n. trigemini
Fibrae olfacto-hypothal.
Tr. spinocerebellaris vent.
Nuc. mamillaris
med.
lat.
Dec. dors. tegmenti
Area vent. tegmenti
Fibrae n. oculomotorii
Tr. frontopontinus
Tr. parieto-occipito-temporo-pontinus
Tr. cerebrospinalis et-bulbaris
Ped. mamillaris

Plate 119

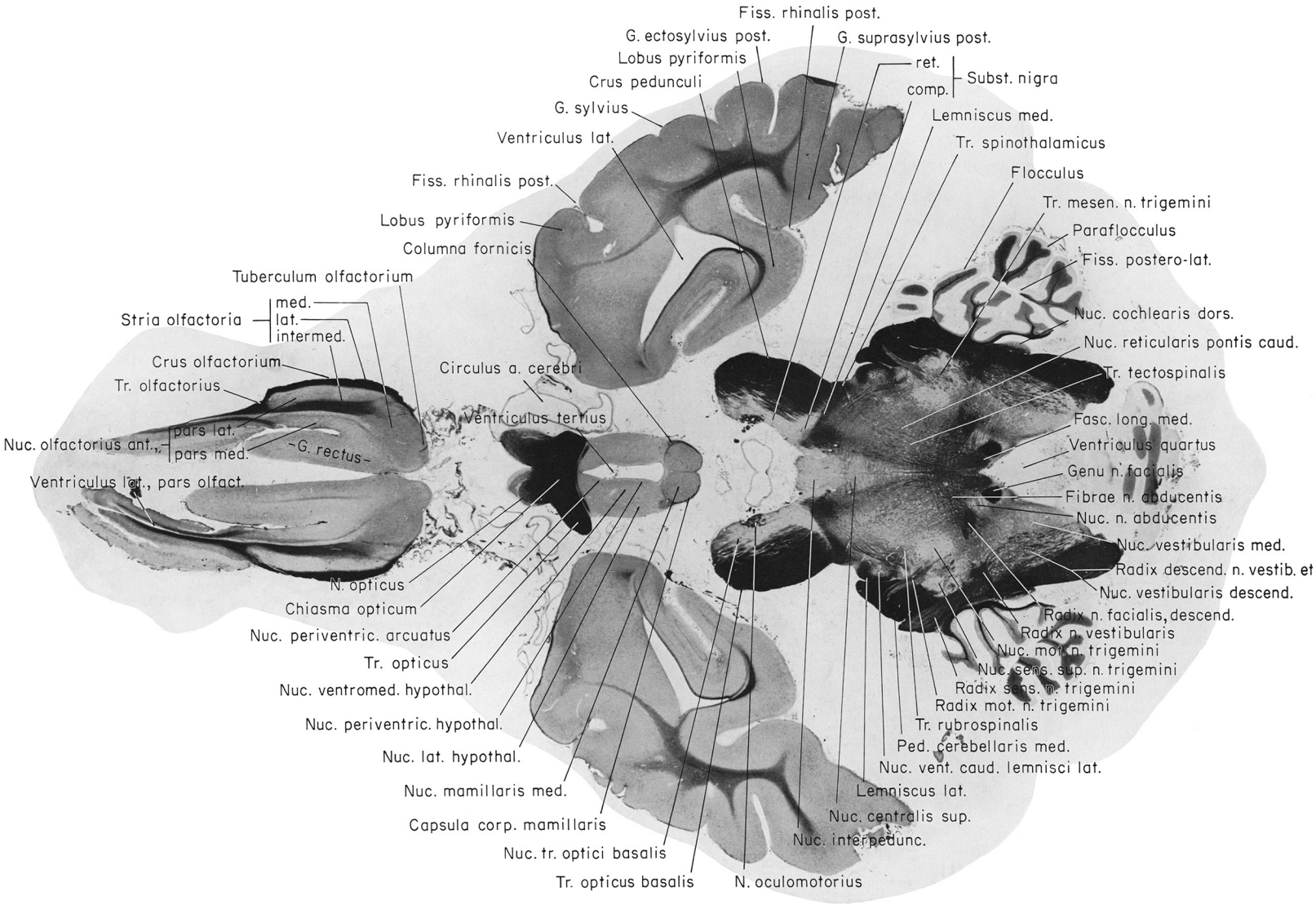

Fiss. rhinalis post.
G. ectosylvius post.
G. suprasylvius post.
Lobus pyriformis
ret.
comp.
Subst. nigra
Crus pedunculi
G. sylvius
Lemniscus med.
Ventriculus lat.
Tr. spinothalamicus
Fiss. rhinalis post.
Flocculus
Tr. mesen. n. trigemini
Lobus pyriformis
Columna fornicis
Paraflocculus
Fiss. postero-lat.
Tuberculum olfactorium
Stria olfactoria
med.
lat.
intermed.
Nuc. cochlearis dors.
Nuc. reticularis pontis caud.
Crus olfactorium
Circulus a. cerebri
Tr. tectospinalis
Tr. olfactorius
Ventriculus tertius
Fasc. long. med.
Nuc. olfactorius ant.
pars lat.
pars med.
G. rectus
Ventriculus quartus
Genu n. facialis
Ventriculus lat., pars olfact.
Fibrae n. abducentis
Nuc. n. abducentis
Nuc. vestibularis med.
Radix descend. n. vestib. et
N. opticus
Nuc. vestibularis descend.
Chiasma opticum
Radix n. facialis, descend.
Nuc. periventric. arcuatus
Radix n. vestibularis
Nuc. mot. n. trigemini
Tr. opticus
Nuc. sens. sup. n. trigemini
Nuc. ventromed. hypothal.
Radix sens. n. trigemini
Radix mot. n. trigemini
Nuc. periventric. hypothal.
Tr. rubrospinalis
Ped. cerebellaris med.
Nuc. lat. hypothal.
Nuc. vent. caud. lemnisci lat.
Nuc. mamillaris med.
Lemniscus lat.
Capsula corp. mamillaris
Nuc. centralis sup.
Nuc. interpedunc.
Nuc. tr. optici basalis
Tr. opticus basalis
N. oculomotorius

Plate 120

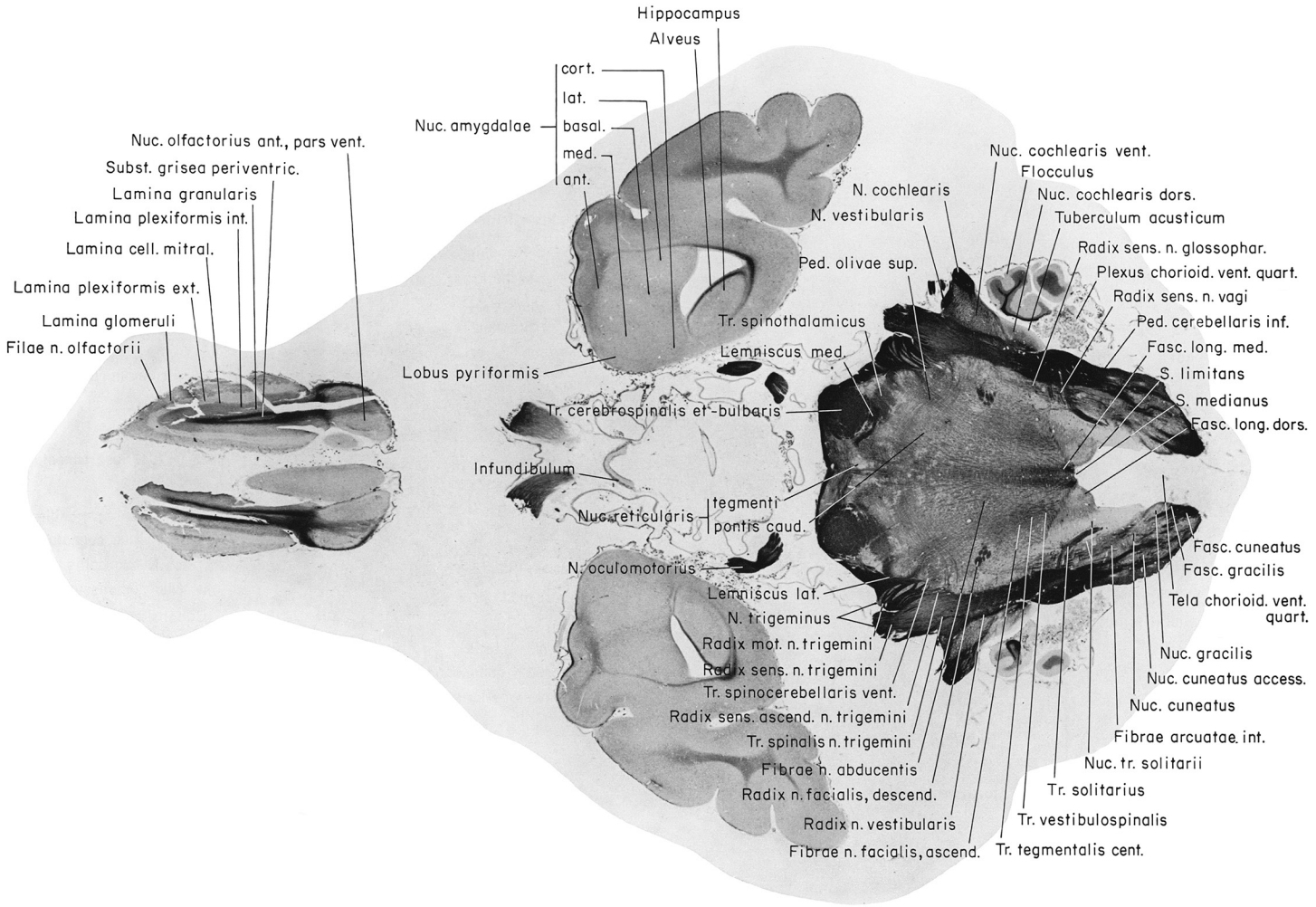

Hippocampus
Alveus
cort.
lat.
basal.
med.
ant.
Nuc. amygdalae
Nuc. olfactorius ant., pars vent.
Subst. grisea periventric.
Lamina granularis
Lamina plexiformis int.
Lamina cell. mitral.
Lamina plexiformis ext.
Lamina glomeruli
Filae n. olfactorii
Lobus pyriformis
Infundibulum
Nuc. reticularis
tegmenti
pontis caud.
N. oculomotorius
Tr. cerebrospinalis et -bulbaris
Tr. spinothalamicus
Lemniscus med.
Lemniscus lat.
N. trigeminus
Radix mot. n. trigemini
Radix sens. n. trigemini
Tr. spinocerebellaris vent.
Radix sens. ascend. n. trigemini
Tr. spinalis n. trigemini
Fibrae n. abducentis
Radix n. facialis, descend.
Radix n. vestibularis
Fibrae n. facialis, ascend.
Nuc. cochlearis vent.
Flocculus
Nuc. cochlearis dors.
Tuberculum acusticum
N. cochlearis
N. vestibularis
Ped. olivae sup.
Radix sens. n. glossophar.
Plexus chorioid. vent. quart.
Radix sens. n. vagi
Ped. cerebellaris inf.
Fasc. long. med.
S. limitans
S. medianus
Fasc. long. dors.
Fasc. cuneatus
Fasc. gracilis
Tela chorioid. vent. quart.
Nuc. gracilis
Nuc. cuneatus access.
Nuc. cuneatus
Fibrae arcuatae int.
Nuc. tr. solitarii
Tr. solitarius
Tr. vestibulospinalis
Tr. tegmentalis cent.

Plate 121

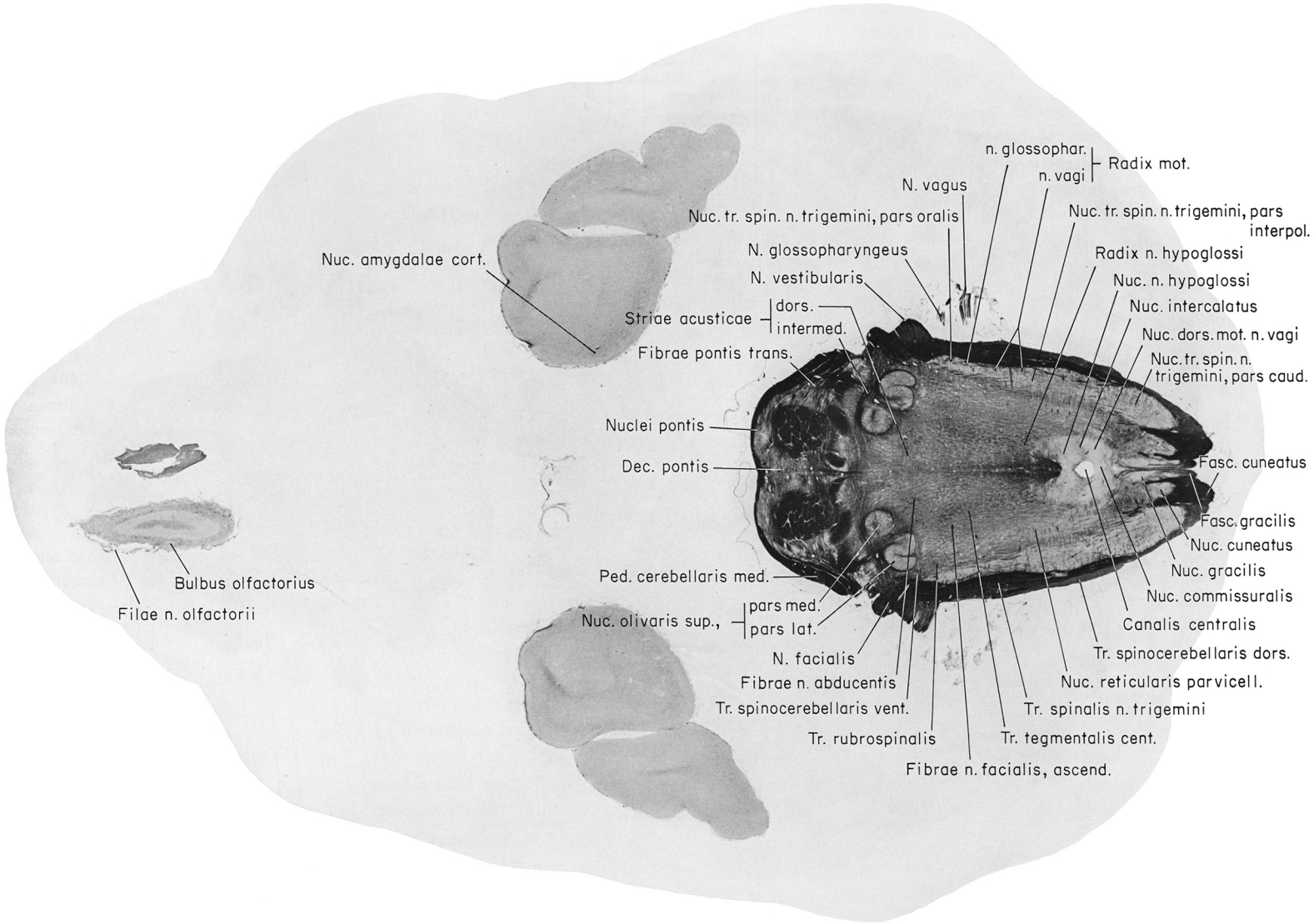

n. glossophar.
Radix mot.
n. vagi
N. vagus
Nuc. tr. spin. n. trigemini, pars oralis
Nuc. tr. spin. n. trigemini, pars interpol.
Nuc. amygdalae cort.
N. glossopharyngeus
Radix n. hypoglossi
N. vestibularis
Nuc. n. hypoglossi
Striae acusticae
dors.
intermed.
Nuc. intercalatus
Nuc. dors. mot. n. vagi
Fibrae pontis trans.
Nuc. tr. spin. n. trigemini, pars caud.
Nuclei pontis
Dec. pontis
Fasc. cuneatus
Fasc. gracilis
Nuc. cuneatus
Nuc. gracilis
Bulbus olfactorius
Filae n. olfactorii
Ped. cerebellaris med.
Nuc. commissuralis
Nuc. olivaris sup.,
pars med.
pars lat.
Canalis centralis
N. facialis
Tr. spinocerebellaris dors.
Fibrae n. abducentis
Nuc. reticularis parvicell.
Tr. spinocerebellaris vent.
Tr. spinalis n. trigemini
Tr. rubrospinalis
Tr. tegmentalis cent.
Fibrae n. facialis, ascend.

Plate 122

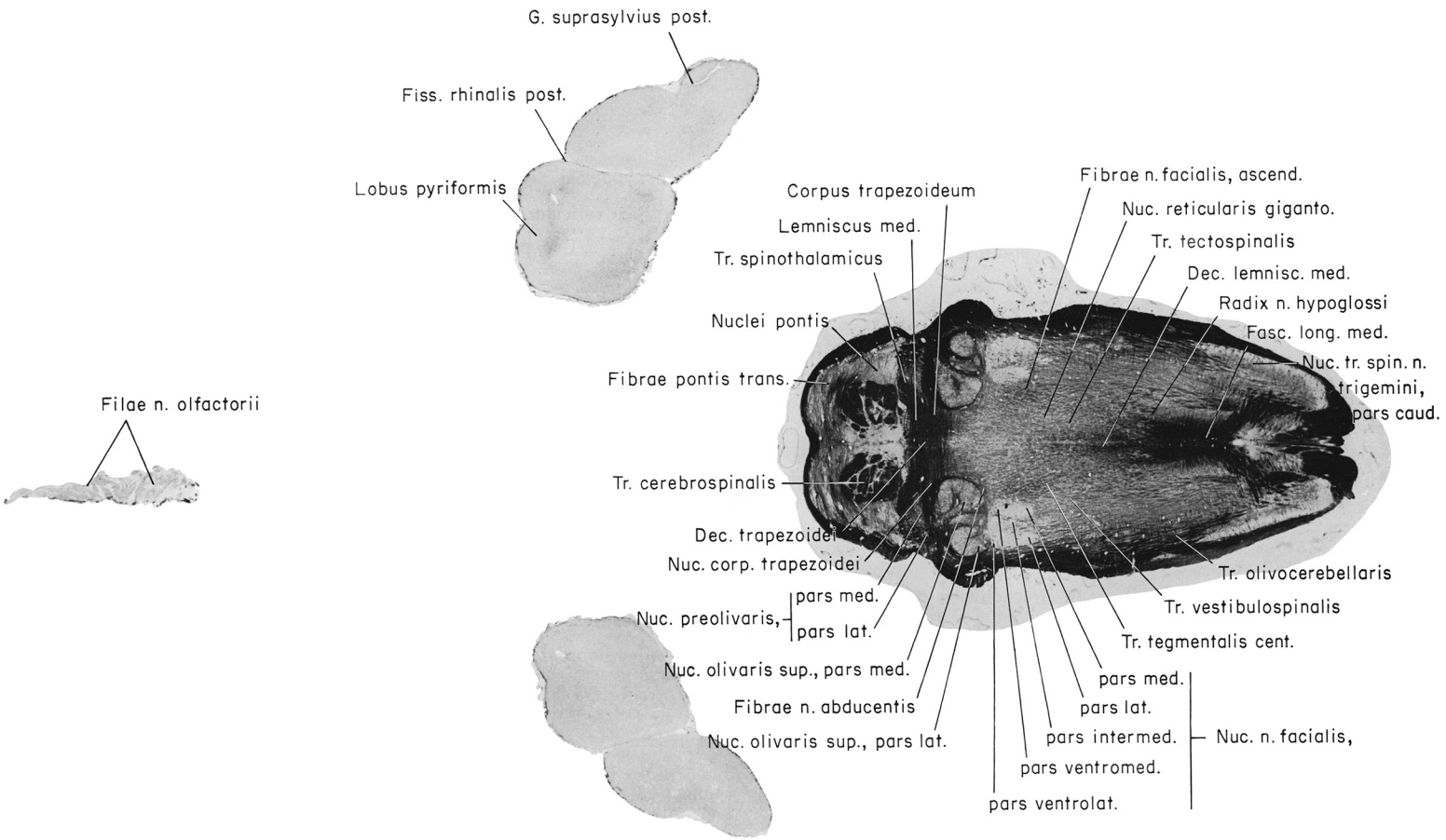

G. suprasylvius post.
Fiss. rhinalis post.
Lobus pyriformis
Filae n. olfactorii
Corpus trapezoideum
Lemniscus med.
Tr. spinothalamicus
Nuclei pontis
Fibrae pontis trans.
Tr. cerebrospinalis
Dec. trapezoidei
Nuc. corp. trapezoidei
Nuc. preolivaris,
pars med.
pars lat.
Nuc. olivaris sup., pars med.
Fibrae n. abducentis
Nuc. olivaris sup., pars lat.
Fibrae n. facialis, ascend.
Nuc. reticularis giganto.
Tr. tectospinalis
Dec. lemnisc. med.
Radix n. hypoglossi
Fasc. long. med.
Nuc. tr. spin. n. trigemini, pars caud.
Tr. olivocerebellaris
Tr. vestibulospinalis
Tr. tegmentalis cent.
pars med.
pars lat.
pars intermed.
pars ventromed.
pars ventrolat.
Nuc. n. facialis,

Plate 123

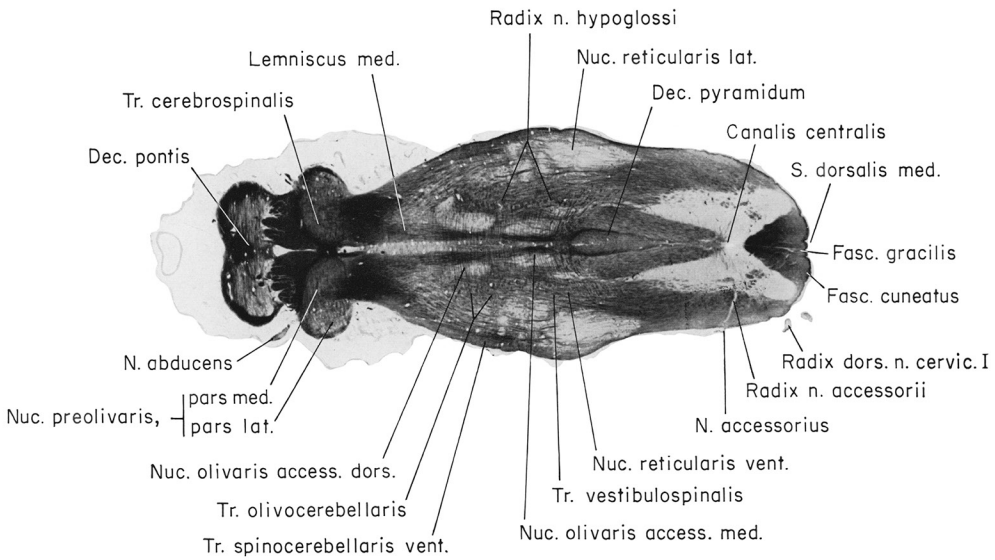

Radix n. hypoglossi
Lemniscus med.
Nuc. reticularis lat.
Tr. cerebrospinalis
Dec. pyramidum
Canalis centralis
Dec. pontis
S. dorsalis med.
Fasc. gracilis
Fasc. cuneatus
N. abducens
Radix dors. n. cervic. I
Radix n. accessorii
Nuc. preolivaris, pars med.
pars lat.
N. accessorius
Nuc. olivaris access. dors.
Nuc. reticularis vent.
Tr. vestibulospinalis
Tr. olivocerebellaris
Nuc. olivaris access. med.
Tr. spinocerebellaris vent.

Plate 124

Index

Note: The terms printed in boldface type are used as labels on the plates; beneath these terms, and printed in italic type, are synonyms, which are not used as labels. Synonyms are indexed for cross reference in ordinary roman type. Plate numbers printed in boldface type are those on which the structure is actually labeled. The structure appears, but is not labeled, on the plated noted in ordinary roman type.

A

B

C

D

G

H

L

M

N

O

P

R

S

T

U

V

Z