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Bibliographia primatologica

A CLASSIFIED BIBLIOGRAPHY OF PRIMATES OTHER THAN MAN

PART I

ANATOMY, EMBRYOLOGY & QUANTITATIVE MORPHOLOGY;
PHYSIOLOGY, PHARMACOLOGY & PSYCHOBIOLOGY;
PRIMATE PHYLOGENY & MISCELLANEA

By THEODORE C. RUCH
YALE UNIVERSITY SCHOOL OF MEDICINE

With an Introduction by
JOHN F. FULTON
YALE UNIVERSITY SCHOOL OF MEDICINE

1941

CHARLES C THOMAS
SPRINGFIELD · ILLINOIS BALTIMORE · MARYLAND

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To the Memory of
LIBBY YOUNG RUCH
and
WILLIAM WALLACE RUCH



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PSYCHOLOGICAL ABSTRACTS

BIOLOGICAL ABSTRACTS

ZOOLOGICAL RECORD

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CLASSIFICATION DÉCIMALE UNIVERSELLE, BRUXELLES

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Assistants

1935-1936

ALAN C. OVERTON, Bursary
THEODORE B. ROSENTHAL, N. Y. A.
ALAN A. ROZEN, N. Y. A.
RICHARD V. WORTHINGTON, N. Y. A.

1936-1937

SOLOMON KASDON, N. Y. A.
DAVID NOVARR, Bursary
ABRAHAM ROSENBLOOM, N. Y. A.
THEODORE B. ROSENTHAL, N. Y. A.
Miss JEAN WELLS, N. Y. A.

1937-1938

HENRY C. BARTHEL, Bursary
SOLOMON KASDON, N. Y. A.
THEODORE B. ROSENTHAL, N. Y. A.

1938-1939

HENRY C. BARTHEL, Bursary
ROBERT F. DINE, N. Y. A.
THEODORE B. ROSENTHAL, N. Y. A.

1940-1941

MARCUS E. SANFORD, N. Y. A.

Acknowledgments

IN the preceding pages I have attempted to acknowledge some of the institutions and individuals who have aided me in compiling this bibliography. The Belgian American Educational Foundation, through a Special Fellowship, made it possible for me to have the advice of several leading European "primatologists," especially Mr. R. I. Pocock, Professor Zuckerman and Monsieur Frechkop, and to have access to the rich holdings of the libraries of London and Bruxelles. We are grateful to Mr. Julian Huxley and the Zoological Society of London for their breadth of view in guaranteeing publication of a work of this character. That the intensification of the War prevented this collaboration in nowise diminishes our indebtedness. In the end, publication was assisted by grants from the Belgian American Educational Foundation and the Historical Library, Yale School of Medicine.

To Dr. John Farquhar Fulton I owe my original interest both in bibliography and in primate biology, and the incentive for undertaking this work. Without his patience born of experience with this type of work, the slowness of progress would many times have led to the abandonment of the whole project. Through his generosity I have been able to have on my desk much original primate literature and most of the bibliographical sources cited on a previous page, which ordinarily can be consulted only at the expense of time and convenience in the reference rooms of libraries. Many of these were especially purchased for this purpose.

Bibliographical work places upon the circulation staffs of libraries an amount of work which must seem excessive, so that we have deemed it fitting to mention the principal libraries which we have used. In this connection I wish especially to acknowledge the efforts on my behalf of Mrs. Anar S. Bradley of the Library of the Yale University School of Medicine who has handled several thousand volumes most expeditiously and without a single error; and to Mrs. Charlotte H. Peters, Librarian to Dr. Fulton, for much technical assistance in bibliographical matters, and for calling my attention to many current items which might otherwise have escaped notice.

The vast amount of typing and other detailed work involved in a project of this sort could scarcely have been accomplished without the assistance made available through the National Youth Administration and the Bursary Scholarships of Yale University. To one of these assistants, Mr. Theodore Rosenthal, who has worked far beyond any remuneration, I am especially indebted. Others who have similarly given of their time, often without compensation, are Miss Loretta Roche, Mrs. Alice Peters Irwin, Miss Pravda Hoff, Dr. Meliha Inay. Valuable suggestions with respect to organization and terminology have been made by Dr. Solly Zuckerman and Dr. Adolph Schultz. And finally, thanks are due my wife, who compiled the author index, and to Mr. R. F. Gehner, who designed the book.

T.C.R.

New Haven, January, 1941

Introduction

By JOHN F. FULTON

ANIMALS having physical form akin to that of man have always stirred human curiosity. Among various peoples these manlike creatures are held in deep reverence; even today in India the Hanuman langur, and in Egypt the Hamadryas baboon, are still regarded as sacred. The anthropoids, on the other hand, may be feared and hated, and primitive tribes have attempted systematically to exterminate them as they would the members of a hostile tribe.

Although man and kindred creatures seem logically to fall into a homogeneous group, no one prior to the gifted Linnaeus had the courage, when sorting out the animal kingdom, to group man with ape and monkey. In the first edition of *Systema naturae* (1735) man, *Homo*, was placed with his kin, *Simia* and *Bradypus*, in a group designated "Anthropomorpha." In his Lapland diary under the date of July 11, 1732, there is an illuminating entry which gives the basis of this grouping:

But to decide concerning our own species. If we contemplate the characters of our teeth, hands, fingers, and toes, it is impossible not to perceive how very nearly we are related to Baboons and Monkeys, the wild men of the woods. In as much therefore as these are found to be carnivorous, the question is decided with respect to ourselves.*

Linnaeus at this time (1732) was only 25 years of age. Fifteen years later in a letter to Gmelin (February 14, 1747) he throws further light on the subject in confessing his fear of the theologians:

It would not please, if I placed the man among the anthropomorphous; but man knows himself. Let us abandon words, I do not care what words we use; but from thee, and from the whole world I want an answer to this: What is the difference between man and ape, difference which would be based on natural history? Most definitely I see no difference. I wish some one could show me even one distinction! Should I call a man 'ape' or an ape 'man,' all the theologians would be after me. Yet, for the sake of science, I should have done it.†

In the celebrated tenth edition of *Systema naturae* published in Stockholm in 1758, Linnaeus adopted the Latin term "Primates" to designate the first order of mammals. The name implies superiority of this group of creatures over the other members of the animal kingdom, but Linnaeus was careful, within the new order, not to arrange ascendant families. He placed emphasis upon teeth as a feature distinguishing primates from other forms, and he originally defined a primate as "a quadruped with four parallel incisors, single canines, two pectoral mammae, hands (rather than paws), two complete clavicles, and an arboreal habitat." He recognized that some had tails, but that others lacked this appendage, and he arranged his forms in groups according to such structural peculiarities, without implication that one group is higher than another.

Dr. Ruch has followed Linnaeus in adopting the term "primate," and in the title of his bibliography he has introduced a new and useful derivative "Primatology."

* See Allen, F. H., *Science*, 1941, 93: 183.

† Hrdlicka, A., *Science*, 1940, 92: 605.

With Linnaeus, he has also been careful to avoid implication concerning which form is high and which low. Recognizing that man has specific characteristics embraced in the designation "human," he has chosen, at the suggestion of Dr. Adolph Schultz, to employ the phrase "primates other than man" rather than to accept such current terms as "subhuman," "infracuman," or the somewhat theological designations which imply that man is the head and center of the universe.

A student of the nervous system, however, recognizes differences of organization among the various primate forms, and in discussing the origins of the nervous system the term "encephalization" is frequently employed. This implies that in evolutionary history there has been a tendency for the encephalon to take over functions controlled in earlier times by other parts of the nervous system. One of the highest degrees of encephalization in the motor sphere is encountered in the cortical representation of the spider monkey's tail. As far as we know, a spider monkey whose tail representation has been removed is not able again to move its tail voluntarily; whereas man can walk on his paretic hind limb within a few weeks after the leg area has been entirely removed. Are we to say, therefore, that the cerebral organization of the spider monkey is superior to that of man, and that in consequence the spider monkey is higher? Obviously no such inference can be drawn, and Darwin himself was the first to point out that specialization of a given function can not be used as a criterion of evolutionary position.

However scrupulous the biologist must be in avoiding the errors of anthropocentricity, the medical scientist is not necessarily under the same obligation. His preoccupation with man, far from being considered opprobrious, has often been extolled in medical literature as a virtue. And it is my con-

viction that the anthropocentricity among those working in the basic medical sciences is the most significant development in medical education and research in this country. Whether it be in the devising of a laboratory exercise, or in the citing of experimental evidence from the lecture platform, or in the choice of a laboratory animal for purposes of investigation, let it be said, 'Better a cat than a frog, better a monkey than a dog, better a man than a marmoset.'

For more than a decade several of the preclinical laboratories of this medical school, and notably the Laboratories of Primate Biology under Professor Yerkes, have devoted their attention to the investigation of primates. Inevitably these animals come to be something more than a 'laboratory animal'; they are research material of special quality. One's interest expands and one begins to think of a biology of the primates. For the past decade the Laboratory of Physiology has accepted the proposition: 'If not man, then monkey.' We have attempted to make some contribution to the paraphernalia of primate biology as well as to the body of fact in the form of developing a surgery suitable to delicate and expensive material, of attention to taxonomical terminology, to care and housing of the primates, etc. To compile and analyze the literature of the primates in the form of the present bibliography seemed a logical step in strengthening the structure of primate biology, and a necessary step, since abstract and bibliographical journals on the whole recognize no distinction of this group of animals. Having, as it were, collected the literature of the primates *on paper*, we propose now to collect such literature *in fact*. We hope to build, as a special collection of the Historical Section of the new Library, a library of primate literature; a modest nucleus has already been formed during the past ten years. The propriety of incorporating a 'zoological collection' in a medi-

cal library might possibly be questioned; however, I can only repeat my conviction that primate biology in the future will become even more intimately bound up with teaching and research in the medical sciences.

To select the primate group as the subject of a monographic bibliography requires no apology; many, if not most, vertebrate and invertebrate groups have been so treated. One need mention only a few outstanding works such as Dean's *Fishes*, Strong's *Birds* and McCoy and McClung's *Anaerobic bacteria*. The magnitude of the literature of the primates is surprisingly small when compared with these compendia. The number of authors who have studied the primates from the point of view of anatomy, physiology and behavior is little more than two thousand, and the total number of papers dealing in whole and in part with the primates does not reach five thousand, a figure which may be set against the fifty thousand papers on fishes listed by Bashford Dean for the years up to 1914.

After the time of Linnaeus, the literature of the primates increased slowly but steadily until some twenty years ago, when—owing possibly to the rather sudden and widespread use of primates for studies in experimental medicine—the output of published works rose sharply. This literature has never before been brought together in a systematic manner, and in view of the increasing importance of a biological knowledge of manlike creatures, it has seemed to Dr. Ruch worth while to devote several years to the formidable problem of collecting and classifying this diverse body of material. He has done it methodically and in accordance with a prearranged plan that has made for completeness, accuracy, consistency, and, I believe, for great usefulness to many branches of biology and medicine. To those who seek fresh concepts and new experience Dr. Ruch's classification of the literature will serve as a navigator's chart for a sea which has countless hazards, as well as every conceivable fascination.

New Haven, February, 1941

Author's Introduction

A SUBJECT-BIBLIOGRAPHY is almost inevitably out of date before it can reach publication. Yet in another sense a bibliography is unique among published works since it can *never* be out of date—for the period of years covered—provided, of course, it is sufficiently well executed and the literature is sufficiently well searched. With a few exceptions, no works are included here which were published after the beginning of 1939.

The present volume is Part I of a projected bibliography embracing all fields of primate biology. Included in this volume is the literature of the morphological sciences (anatomy and its subsidiary branches of embryology, histology, etc.), and the literature of the functional sciences (physiology, pharmacology, and experimental and observational psychobiology), and certain historical and miscellaneous bibliographies. Part II will include the literature of the pathological sciences (pathology, bacteriology and immunology, and parasitology), and probably as well the taxonomic literature of the extant primates. The materials for the second volume are largely gathered and the analysis of them is considerably advanced. The amount of overlapping between the two parts is deemed insufficient to warrant delay in publication of the present volume.

The completeness attained in the present work is difficult to assess. We have included many papers in which primate forms constitute only a fraction of the vertebrate or mammalian series studied; yet no attempt has been made to record every oblique reference to the primates. On this score we feel that we have occasionally erred on the side of over-inclusiveness. Many articles of a "popular" character, especially in psychobiology, have been included, but again no attempt at absolute completeness

has been made. In addition to searching year by year the bibliographical sources listed in the Acknowledgments, many journals have been scanned for primate literature; and the bibliographies or footnotes of many articles and books have been searched. That this has not sufficed to render the bibliography complete is proved by the fact that occasionally a previously unrecorded reference comes to light. This is especially true for literature of recent years which has not yet found its way into bibliographical journals and for works published in the Asiatic and Eastern European countries. We have become convinced that no single person can hope to uncover all the literature of the primates; that can be approximated only if specialists in the various fields will call our attention to omissions so that they can be included in a supplement or in the second volume of the bibliography. Similarly, checking and even double checking seems not to have eliminated all errors, so that notations for an errata list will be greatly appreciated.

ARRANGEMENT OF THE BIBLIOGRAPHY

The first decision which must be made in compiling a bibliography is what feature common to all studies will take precedence over all others in determining the order in which the items are printed. Shall the bibliography be arranged according to author, to subject, to date of publication, or to the taxonomic position of the species of primates studied? Perhaps the most common procedure is to list the items alphabetically by authors and to analyze them according to subject in an index, alphabetic or systematic. This practice, in the opinion of the authors, ignores one of the principal values of the printed page, the opportunity to

present to the eye a group of items having in common some fundamental relationship. An author-list throws together on the printed page works entirely without relation to each other beyond the alphabetical accident of the authors' parentage. This objection is particularly weighty when we have to deal with such diverse materials as those included in this bibliography. For these reasons we have made *subject* the primary basis for classification. On the other hand, wherever some other basis of classification seemed more suitable it has been used. For example, the literature to the beginning of the 19th Century has been arranged chronologically in three sections. Again, when structure or function does not lend itself to further subdivision, we have resorted to the species of animals studied for the basis of a finer classification. This has been done, for example, in "*Habits in nature and captivity*" and in certain of the anatomical sections where an organ as a whole (*e.g.*, the configurational pattern of the cerebral cortex) has been extensively studied. Those advantages inherent in an arrangement by authors can be largely gained by an index of authors, which has been provided.

Having chosen to make structure the basis of classification of anatomical studies, the difficulty arises that a printed list is a strictly unidimensional frame into which must be fitted studies which have at least two parameters. If a system and its subdivisions into organs is regarded as one parameter, a given study is also classifiable according to a second dimension, which is the *aspect* of the structure investigated. Along this dimension are found gross anatomy, minute anatomy or histology, development and growth, variations and anomalies, and quantitative aspects studied by the techniques of physical anthropology. It is obvious that this is a true parameter because the body as a whole, a system, or an organ can be approached from any of these points of view. It was considered desirable to classify according to this parameter in a subsidiary fashion. Therefore the chapter devoted to a system, and to smaller

units than a system wherever justified by the volume of literature, is opened with an expansion for embryology, histology, dimensions and weights, etc. In certain sections, only cross reference numbers appear under these headings. Where the structural unit involved is a single organ or a bone we have followed the practice of entering such a paper under the structure and cross referencing to *Histology*, *Embryology*, or similar rubrics at the beginning of the section. This was done to avoid the confusion arising from over-fragmentation of the literature.

Obviously many papers could be placed under more than one topic heading. The item is printed in full under the topic which seems to be the main theme of the paper, though sometimes this decision is difficult. Subsidiary themes are honored by listing the serial number at the end of the section devoted to that subject. Each section therefore consists of a list of items printed in full, followed by a list of serial numbers that leads the reader to further literature of the subject. The extent to which monographs or articles which deal comprehensively with a system as a whole should be cross referenced presents a difficult problem. There seems little to be gained in cross referencing such an article to each of the dozens of smaller topics with which it treats. Instead, such works are grouped together under the heading *Comprehensive and general studies* and constitute the first section for each chapter. Similarly, works dealing in a comprehensive fashion with the body as a whole form the first chapter of the anatomical section after the opening chapter on embryology. Articles which are general in point of view or not truly comprehensive in scope tend to be cross referenced more, despite their lesser value, than works easily recognized as extensive monographs.

In the preliminary classification of literature in anatomy and physiology the compact, decimal notation provided by the *Classification décimale universelle*, Bruxelles, 1927-29, proved extremely useful. The final arrangement has departed somewhat from the Bruxelles scheme for anatomy and con-

siderably for physiology, especially for the nervous and reproductive systems. No adequate schedule of categories could be found for psychobiological literature. The one used owes much to Spence's review of learning and the higher mental processes in infrahuman primates (no. 3308) and to *Comparative psychology*, by Warden, Jenkins and Warner (no. 3309). In it we have attempted to phrase the subject headings in non-mentalistic terms.

It is scarcely necessary to dwell on the difficulties of classifying the literature of functional sciences, especially of psychobiology, but a few words of explanation may assist the user. It early proved necessary to distinguish between experimental or controlled, systematic observational studies and the large class of observational, anecdotal and "popular" literature which is grouped under *Habits in nature and captivity*. The latter, being largely opportunistic rather than systematic, defies classification under any topic heading and often analysis for the purpose of cross referencing. By breaking it down according to family and genera, the volume of literature which needs be consulted is reduced. Where this type of literature deals with definite topics and in some detail, it is cross referenced to the expansion under experimental psychology. On the other hand, a few field-studies of a more formal and comprehensive character are included in the topical expansion, and this is especially true of studies of social and reproductive behavior where true experimenting is just commencing. Though a more detailed classificatory scheme for psychobiology was initially devised, in the end it was found that only relatively large categories were feasible. Whatever the initial zeal, the discomforts of Procrustean categories soon convinced us of the folly of attempting to divide a literature where definite lines of cleavage do not exist.

The section on the *Phylogeny of the primates* requires a word of explanation. Since many of the anatomical papers are discussed in relation to the problem of primate phylogeny, we have tended wherever

possible to throw articles to the system or organs described rather than to the rubric *Phylogeny*. Thus, for example, discussions of phylogeny which deal at all comprehensively with all of the systems or with one system are usually assigned to the respective sections for comprehensive and general works. This, we feel, avoids undesirable dispersion of the literature dealing with a given structure. The section on *Primate culture and methodology* is the only one which truly suffers by dividing the bibliography into two parts. The literature of disease, so important to primate culture, will appear in the second volume under bacteriology and parasitology.

STYLE AND FORM

Serial number. References are cited by serial number in the *Index of authors* and in the cross references coming at the end of each section. The literature to 1800 is cited by author with the number of the *Introduction* in which the item appears. A serial number marked with an asterisk indicates that the item has not been checked and analyzed from the original source; usually they have been checked from some bibliographical source. Such unchecked items are estimated to constitute 1.6 per cent of the whole.

Authors' names. The surnames of authors are given as they appear in the original source. Authors' names or initials in square brackets have been supplied. For journal literature, initials were considered sufficient; but to distinguish female authors their given names are spelled out. For books, theses, and other separate publications we have attempted to supply the full given name, and in the *Historical introductions*, the dates of birth and death as well, since this facilitates the finding of a book in the catalogues of large libraries.

Titles. Separate publications are distinguished from periodical literature by writing their titles in italics, and their place of publication, etc. in roman. Titles, including subtitles, are generally given in full for articles and books published since 1800. Occasionally obvious errors have been corrected to avoid the supercilious [*sic*]. Capitals, in accordance with the modern tendency, have been avoided except where absolutely demanded by the usage of a given language, *i.e.*, in German and Danish. Scientific

names of animals have been uniformly italicized with only the generic name capitalized regardless of the typographic treatment in the original. Suprageneric names are capitalized but not italicized. These matters are considered to be within the province of the bibliographer since fidelity to the source (which may be capitalized throughout) is impossible.

Theses, inaugural dissertations, etc. These are cited as books and in the conventional manner except that the publisher as well as the University is given. To assist in locating these in libraries which do not catalogue this class of literature by author, the "Faculty" is indicated by abbreviation in parentheses.

Date of publication. The establishment of the actual date of publication, granting that agreement on what constitutes publication can be reached, is notoriously difficult. This is especially true for the older files of journals, but also for certain current (though not modern) journals. Where ascertainable from tables of contents, title pages or covers the actual date of issue is employed; as second choice any date placed on the title page by the editor as an official date is used. The printer's date appearing as a part of his imprint is taken only as a last resort since it often represents merely the date of publication of the title page. For publications of societies the principal date (not enclosed in brackets) is the year for which the volume is published since this must often serve as a volume number. Where the actual date of publication is different it is usually given in square brackets. In this we have followed the practice of most libraries, which we feel is justified since the function of the bibliography is to lead the reader to the literature without confusion. Questions of priority, etc. are matters for separate investigation and textual comment.

Collation. The number of a *series* is indicated by printing the series number in roman type and enclosing it in parentheses; it always immediately precedes the volume number. "New series" and "neue Folge" are indicated by "n.s." and "n.f." The *volume number* or its equivalent (tome, Band, année, Jahrgang, etc.) is denoted by a number printed in **bold-faced** type. *Number, Heft, fasciculus, half-volumes, etc.* follow the volume number and are enclosed in parentheses, but are included only under two circumstances: (i) when the volume is not continuously paged; (ii) when the volume appears in two half-volumes. In the latter case, knowledge of the

number of the half-volume often avoids confusion in withdrawing journals from libraries.

Pagination, plates and tables. Final pages are invariably given. Failure to do this is false economy of time and printers' ink, which often causes inconvenience and waste of effort by concealing from the reader whether he has to deal with a paragraph abstract or an extensive monograph. For articles with separate pagination, the total number of pages is written. Plates, tables, maps, etc. with a pagination distinct from the text are treated in a parallel fashion, *i.e.* inclusive numbers or total number being used depending on how they are numbered.

Titles in languages demanding a special alphabet are not given in the original language, nor, with a few exceptions, are they transliterated. Such titles are, however, often given in translation into one of the common languages; they are enclosed in parentheses when drawn from original publications having bilingual tables of contents and in square brackets when supplied.

ABBREVIATION OF JOURNAL TITLES

In this we have followed *A world list of scientific periodicals published in the years 1900-1933*, 2nd ed., London, with occasional minor corrections of obvious errors. Abbreviations marked with an asterisk have not been found in the *World list*, and are expanded in an *Appendix*, which should be consulted for further details.

The abbreviations provided by the *World list* are admirable for the balance struck between compactness and completeness, and for the respect shown for usages in languages other than English. The abbreviations with a few exceptions are self-explanatory, especially if the following rules be noted.

1. Nouns have capital, adjectives small, initial letters. Exceptions are that in English titles, adjectives derived from proper names, as well as noun-adjectives, and adjectives used as nouns are capitalized.
2. Prepositions, articles and the conjunction "and" are omitted wherever possible. The latter or its equivalent is retained if the title consists only of two nouns connected by "and," and where it connects broken compounds.

3. Cognate words in all languages are reduced to the same form, differentiation being gained where necessary by adding the place of publication.
4. The place of imprint is omitted (if not a part of the title) except when needed to distinguish periodicals with the same title, or when the abbreviated form leaves the language of the title in doubt.
5. In Germanic and Scandinavian languages compound words are abbreviated as though the different parts were distinct. With nouns no period or hyphen is used between the parts, which open with a capital letter. (For example, *Entwicklungsmechanik* becomes *EntwMech*). The parts of compound adjectives are separated by period and a hyphen.
6. Abbreviations are followed by a period but true contractions are not. Though a useful distinction, this runs counter to habit and is difficult to follow, and seems not to be followed on occasions by the *World list* itself.
7. The following are a few of the more common abbreviations.

Bl.	Blatt or Blätter
C. R.	Comptes rendus
G.	Giornale
J.	Journal
Jb.	Jahrbuch
Jber.	Jahresbericht
Jh.	Jahresheft
Mbl.	Monatsblatt
Mh.	Monatsheft
Mshr.	Monatsschrift
P.V.	Proces verbaux
R.C.	Rendiconti
Rep.	Report
S.B.	Sitzungsbericht
Schr.	Schrift
Wbl.	Wochenbl.
Wschr.	Wochenschrift
Z.	Zeitschrift
Zbl.	Zentralblatt and Centralblatt
Ztg.	Zeitung

It should be kept in mind that the abbreviations of publications of European scientific bodies refer to the scientific section of the society. The "Klasse" is given only when the society publishes more than one scientific journal with the same name as is true, for example, of the Vienna Academy of Science. A further point is that the *World list* follows changes of

title between 1900–33, as for example, *Morph. Jb.* becomes *Gegenbaurs Jb.* after 1903. However, we have taken the earliest abbreviation to apply retroactively before 1900 despite small changes in title so long as continuity was clearly maintained.

BRACKET MATERIAL

Due to the diversity of subject matter, as well as the cost of publication, annotation by abstract or appraisal was considered impossible. However, the information set forth in the square brackets at the end of each reference constitutes what may be considered an *objective annotation* in compact, codified form. The purpose of the data in these brackets is to give the reader some idea of the character and scope of a publication. The plus signs denote on a three-point scale the degree to which the publication deals with the primates, and is used only when the title does not make this clear or is actually misleading. Thus +++ denotes that the paper is entirely or almost entirely based on the study of primate materials. A single + indicates that little attention has been given the primates, while two pluses (++) suggest that the treatment of the primates is substantial, roughly equal to that accorded all other forms. The size of the publication must of course be kept in mind.

Plates, figures, tables and references. The remainder of the code up to the colon is designed to afford a rough index of the degree to which the publication is documented, and is to be interpreted as follows: "p!" stands for plates which are included in the textual pagination; "f" stands for figures, "t" for tables, and "r" for references cited in the bibliography of the article. Figures, tables and references not numbered in the source are described, for example, by "t", "nt," or "vnt," meaning respectively that the article contains a few tables, that the tables are numerous, or that an exceptionally large number of tables have been used.

The brackets have also been used to provide a word or phrase descriptive of the character or language of the publication, as for example, "abstract," "review," "lecture," "annotated bibliography of literature." For publications in languages other than the principal ones, or articles difficult of access, especially when they have not been seen in the original, an abstract is sometimes cited. Occasionally publications that are related but do not appear contiguously

in the bibliography are reciprocally cross referenced.

Primate genera. A species index was considered carefully but finally abandoned on the grounds of expense as well as serviceability in favor of a codified indication of the genera of primates on which each study is based. The practice followed, we believe, enables the user of the bibliography to determine, by a few minutes spent in scanning the brackets, all of the papers in which a given genera, family, or larger taxonomic group has been studied with reference to any given topic. A user wishing to isolate all of the items dealing with a given genera for all subjects or for a wide range of subjects will encounter more difficulty, but a certain effort may be expected from one of such catholic interests. The scheme adopted seems to present some real advantages. The animals studied can be learned at the same time the title is read, so that the listing of animals further annotates the entry. The needs of the user who wishes to enter the bibliography with a genus, a family, a division or a suborder are equally well served, whereas an index by genera would involve considerable (repetitive) searching to get out the items dealing with groups larger than genera. In a species index the subject headings are necessarily coarser than those used in the text unless the equivalent of our table of contents be reprinted for each of the genera. Finally, many indexes ignore the subsidiary topics, owing to the numbers of index entries required. For example, a study of the bones, muscles and nerves of the fore and hind limbs in ten genera of animals would require sixty entries in the index. This problem does not arise with our arrangement because the subject cross references lead back to the main entry where the animals studied can be discovered.

The nomenclature of the primates is notoriously confusing; the use of names varies considerably between countries and in different epochs and the occasional exclusive use of common names is a further problem. The materials studied by anatomists and physiologists have often been incorrectly or loosely diagnosed. We have attempted to translate the names as used into a reasonably modern terminology, but in handling such a vast amount of detail errors of all sorts have certainly been made, and we can only hope that these are not sufficiently grave and frequent to be troublesome. The determination of the correct name apart from

purely terminological considerations is, we feel, a matter for special research on the part of specialists and not properly a part of such a work as this.

The abbreviations and contractions of the names of animals are designed to be mnemonic and self-evident to anyone acquainted with the currently favored name of the animal in which he is interested. They are based upon Flower's well considered list, built out from various sources for genera not included in his list.

It will be noted that the contractions are coined by leaving out vowels and that for short names, especially for the South American monkeys, an abbreviation is used. To obtain a brief, distinctive contraction of long, compound names, the first part of the name is represented by a single letter or contraction and the second part by a single letter, preceded by a hyphen, "-p" standing always for "-pithecus," "-c" for "-cebus," "-l" for "-lemur," "-m" for "-midas," and "-mc" for "-mico." Contractions for the names of families or suborders have been used in a few instances.

The contractions are expanded in the following list, which gives first the name on which the contraction is based and in parentheses Elliot's equivalent where that differs by more than a simple variation in spelling.

Gr	Gorilla
Pn	Pan
Png	Pongo
Hyl	Hylobates
Symph	Symphalangus
Prsb	Presbytis (Pithecus, Pygathrix)
Nas	Nasalis
Simias	Simias
Rhn-p	Rhinopithecus
Clb	Colobus
C-p	Cercopithecus (Lasiopyga, Rhinostigma & Miopithecus)
Ery-c	Erythrocebus
C-c	Cercocebus
Mc	Macaca (Pithecus, Simia, Magus)
Cyn-p	Cynopithecus
Thr-p	Theropithecus
Pp	Papio
Mndr	Mandrillus (Papio)
Aot	Aotes
Cal-c	Callicebus
Pith	Pithecia

Chirop	Chiroptes	Mcr-c	Microcebus
Cacaj	Cacajao	Chrg	Cheirogaleus
Saim	Saimiri	Pr-p	Propithecus
Ceb	Cebus	Avh	Avahi (Lichanotus)
Lag	Lagothrix	Indr	Indris
Brchyt	Brachyteles	Lor	Loris
Atl	Ateles	Nyct-c	Nycticebus
Al	Alouatta	Prdct	Perodicticus
Hap	Hapale (Callithrix)	Arct-c	Arctocebus
Myst	Mystax (Cercopithecus & Leontocebus)	Glg	Galago & Hemigalago
Oed-m	Oedipomidas	Daub	Daubentonia
Leon-c	Leontocebus	Tars	Tarsius
Cal-mc	Callimico	†††	Fossil primates
Lm	Lemur		
Lp-l	Lepilemur (Lepidolemur)		
Hp-l	Hapalemur (Myoxicebus)		

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Historia animalium. Translated into English by D'Arcy Wentworth Thompson. Vol. 4 in: *The works of Aristotle*, J. A. Smith and W. D. Ross, ed., Oxford, 1910, xv, 633 pp., 8°.

See also: McDermott, W. C., 1938, v. infra.

BONACELLI, B.

La scimmia in Etruria. *Studi Etruschi*,* 1932, 6, 341–382, pls. 14–16.

CAVERHILL, J.

Some attempts to ascertain the utmost extent of the knowledge of the ancients in the East Indies. *Philos. Trans.*, 1767, 57, 155–178.

DAREMBERG, Charles V. [1817–1872].

Œuvres anatomiques, physiologiques et médicales de Galien [etc.]. Paris: J. B. Baillière, vol. 1, 1854, xvi, 706 pp.; vol. 2, 1856, 786 pp.

DAVELUY, C.

Dr. Karl Emil Illing.—*Der Periplus des Hanno*. (Programm des Wettiner Gymnasiums, Dresden, 1899, Nr. 566.) *Rev. Éc. Anthropol. Paris*, 1899, 9, 357–363. [Review]

DUREAU de LAMALLE, A. J. C. A.

Mémoire sur le grand gorille du Gabon, *Troglodytes gorilla*, déterminant la limite de la navigation d'Hannon le long des côtes de l'Afrique occidentale. *Ann. Sci. nat.*, (Zool.), 1851, (3), 16, 183–192.

EHRENBERG, Christian Gottfried [1795–1876].

Über den Cynocephalus der Ägyptier nebst einigen Betrachtungen über die ägyptische Mythe des Thot und Sphinx vom naturhistorischen Standpunkte. *Abh. Akad. Wiss. Berl. (physikal. Kl.)*, 1833, 337–367, 4 pls.

EHRENBERG, C. G.

Über den Cynocephalus und den Sphinx der Ägypter und über das Wechselverhältniss des Affen und Menschen. Berlin: Druckerei der K. Akad. der Wissenschaften, 1834, 31 pp., 4 pls.

FREUDENBERG, W.

Ein Schimpansenbild aus dem Mittelalter. *Z. Säugetierk.*, 1929, 4, 64, pl. 10. [Pn]

GALEN. See Daremberg, C. V.; Ullrich, F.; McDermott, W. C., Intr. I.

HANNO. [c. 500 B.C.].

The Periplus of Hanno; a voyage of discovery down the West African coast, by a Carthaginian admiral

of the fifth century B.C. Translated from the Greek, by Wilfred H. Schoff. Philadelphia: The Commercial Museum, 1912, 28 pp.

HANNO.

The voyage of Hanno, translated, and accompanied with the Greek text [etc.]. By Thomas Falconer. London: T. Cadell jun. & Davis, 1797, viii, 105 pp., 3 maps.

See also: Daveluy, C.; Dureau de Lamalle; Joleaud, L.; Mahoudeau, P.-G.; Riese, A.; Schmid, G.

von HEUSINGER, Carl Friederich [1792–1883].

Vier Abbildungen des Schädels der Simia satyrus, von verschiedenen Alter, zur Aufklärung der Fabel von Orañ utañ. Marburg: Christian Garthe, 1838, 44 pp., 4 pls., 4°. [esp. Png]

HIPPOLYTE-BOUSSAC, P.

Excursion à la nécropole des cynocéphales sacrés. *Naturaliste*, 1905, (2), 19, 185–187.

[++ 4f: Pp]

HOPFNER, T.

Der Tierkult der alten Aegypter nach den griechisch-romischen Berichten und den wichtigeren Denkmälern. *Denkschr. Akad. Wiss. Wien., Phil.-hist. Kl.*, 1914, 57, no. 2, 26–32.

IMBERT, Henri

Les grands singes connus des anciens Chinois. Hanoi-Haiphong: Imprimerie d'Extrême-Orient, 1922, 11 pp., 1 pl.

JOLEAUD, L.

L'origine du nom du gorilla. *Anthropologie, Paris*, 1936, 46, 525–528.

KELLER, Otto [1838–]

Tiere des klassischen Alterthums in culturgeschichtlicher Beziehung. Innsbruck: Wagner, 1887, ix, 488 pp., 8°.

KELLER, O.

Die antike Tierwelt. Leipzig: Wilhelm Engelmann, 1909, vol. 1, xii, 434 pp., 3 pls.

KILLERMANN, S.

Das Tierbuch des Petrus Candidus geschrieben 1460, gemalt im 16. Jahrhundert (Codex Vaticanus Urb. lat. 276.). *Zool. Ann.*, 1914, 6, 114–221, 8 pls.

KILLERMANN, S.

Zur Kenntnis der Menschenaffen im Mittelalter. *Z. Säugetierk.*, 1931, 6, 227–229, pl. 24.

LICHTENSTEIN, Anton August Heinrich [1753-1816].

Commentatio philologica de simiarum quotquot veteribus innotuerunt, formis, earumque nominibus, pro specimine methodi qua historia naturalis veterum ad systema naturae Linnaeanum exigenda atque adornanda. Hamburgi: B. G. Hoffmann, 1791, 80 pp.

LORTET, [V.] & GAILLARD, C.

La faune momifiée de l'ancienne Égypte et recherches anthropologiques (3^e, 4^e, et 5^e Séries). *Arch. Mus. Hist. nat.*, Lyon, 1909, 10, 336 pp., 9 pls.

LURIA, S.

Der Affe des Archilochos und die Brautwerbung des Hippokleides. *Philologus*,* 1929, 85, 1-22.

McDERMOTT, William Coffman [1907-]

The ape in Greek literature. *Trans. Amer. philol. Ass.*,* 1935, 66, 165-176.

McDERMOTT, W. C.

The ape in Roman literature. *Trans. Amer. philol. Ass.*,* 1936, 67, 148-167.

McDERMOTT, W. C.

The ape in antiquity. Baltimore: The Johns Hopkins Press, 1938, xi, 338 pp., 10 pls., 8^o.

MAHOUDEAU, P. G.

Le Périphe d'Hannon. *Rev. Ét. Anthrop. Paris*, 1910, 20, 149-169.

PÉREZ BARRADAS, J.

Los monos sagrados del antiguo Egipto. *Bol. Soc. ibér. Cienc. nat.*, 1922, 22, 131-136.

PLINIUS SECUNDUS, Caius [23-79].

Plinius secundus noucomensis equestribus militiis

industrię functus . . . Libros Naturalis Historia [etc.]. Venice: J. Spira, 1469, fol. [Editio princeps.]

PLINIUS.

The historie of the world: Commonly called the natural historie of G. Plinius Secundus. Translated into English by Philemon Holland. London: Adam Islip, 1634, 2 vols. in 1, fol. [First English edition.]

PLINIUS.

The natural history of Pliny. Translated by John Bostock and H. T. Riley. London: Henry G. Bohn, 1855, vol. 2, xii, 555 pp.

RIESE, A.

Γοριλλας bei Hanno. *Rheinisches Mus. Philol.*,* 1881, n.f., 36, 209-211. [Gr]

SCHMID, G.

Die angeblichen Gorillas in Hannos Bericht. *Zool. Ann.*, 1913, 5, 67-71.

ULLRICH, Friedrich

Die anatomische und vivisektorische Technik des Galenos. Inaug.-Diss. (Med.) Leipzig. Werdau i. Sa.: Julius Booch, 1919, 53 pp.

ZABOROWSKI, S.

Histoire de la connaissance relativement aux grands singes dans l'antiquité et au moyen âge. *Rev. int. Sci. biol.*,* 1880, 6, 539-552.

ZELL, T. [Pseudon.]

Polyphem ein Gorilla. Eine naturwissenschaftliche und staatsrechtliche Untersuchung von Homer's Odyssee. Buch IX, V. 105 ff. Berlin: W. Junk, 1901, vi, 184 pp. (Review: *Naturw. Wschr.*, 1901, 16, 350-352.)

See also: Riolan, Intr. II.

Introduction II

Knowledge of the Primates in the 16th & 17th Centuries

ALDROVANDI, Ulisse [1522-1707].

De quadrupedib' digitatis viviparis libri tres, et quadrupedib' digitatis oviparis libri duo. Bartholomaeus Ambrosinus . . . collegit, [etc.]. Bonon: apud N. Tebaldinum, 1637, viii, 718+16 pp., fol.

BARTHOLINUS, Thomas [1616-1680].

Anatome Cercopithecii *Mamonet* dicti. *T. Bartholini Acta medica & philosophica Hafniensia*, 1671 & 1672 [1673], 1, 67-68, 313-314, 6 pls., 4°.

BATTELL, Andrew [1589-1614].

See Mahoudeau, P.-G.; Purchas, A.; Ravenstein, E. G.

BLASIUS, Gerardus [c. 1623-1682].

Observata anatomica in homine, simid, equo . . . variisque animalibus aliis. Accedunt extraordinaria in homine reperta praxin medicam aequae ac anatomicen illustrantia. Lugduni-Batav. & Amstelod.: apud Gaasbeeck, 1674, 141+12 pp., 12 pls., 8°.

BONTIUS, Jacob [1599-1631].

Historiae naturalis & medicae Indiae orientalis. Amsterdam: Ludovicum et Danielelem, 1658, 160 pp., fol. [Png]

COITER, Volcher [1534-1600?].

Analogio ossium humanorum, simiae et verae, et caudatae, quae cynocephali similis est atque vulpis. In: *Externarum et internarum principalium humani corporis partium tabulae*, [etc.]. Noribergae: in officina Theodorici Gerlatzeni, 1573, 14+133 pp., 7 pls., fol.

DAPPER, Olfert [-1690].

Description de l'Afrique [etc.]. Traduit du Flammand . . . Amsterdam: Wolfgang, Waesberge, [etc.], 1686, 534 pp., 13 maps, 85 pls., fol.

FRIEDERICI, Georg.

Affengesichten aus Amerika. *Arch. Anthrop., Braunschw.*, 1908 [1909], 35, 16-21.

GESNER, Conrad [1516-1565].

Historiae animalium. Lib. I. De quadrupedibus viviparis. Tiguri: apud Christ. Froschoverum, 1551, 38+1104+11 pp., fol.

HAMY, E.-T.

Documents inédits sur l'*Homo sylvestris* rapporté d'Angola en 1630. *Bull. Mus. Hist. nat., Paris*, 1897, 3, 277-282. [Pn]

Le COMTE, Louis Daniel.

Nouveaux mémoires sur l'état présent de la Chine. Amsterdam: J. L. de Lorme & Est. Roger, 1697, vol. 2, 386 pp. [Hyl]

MAHOUDEAU, P.-G.

Le Pongo, d'après le récit d'André Battell. *Rev. anthrop.*, 1915, 25, 165-170. [Gr]

MAHOUDEAU, P.-G.

Les mœurs du Pongo d'après André Battell. *Rev. anthrop.*, 1917, 27, 113-122. [Gr]

MARCGRAVIUS, Georgius [1610-1644].

Georgi Marcgravii . . . Historiæ, rerum naturalium Brasiliæ libri octo [etc.]. Lugdun. Batavorum: apud Franciscum Hackium et Amstelodami: apud Lud. Elzevirium, 1648, [8]+293+[7] pp., fol.

de MURALTO, Johannis [1645-1733].

Anatomia simiae à generali capitaneo lochmanno oblatae. *Miscellanea curiosa sive ephemeridum medico-physicarum germanicarum academiae naturae curiosorum.* Decuriae II., annus primus, anni M. DC. LXXXII, 150-154. (1682, [1683], (2), 1, 150-154.)

PERRAULT, [C.] [1613-1688].

Description anatomique de plusieurs singes de différentes especes. *Mem. Acad. R. Sci. Paris*,* [1666-1699], 1733, 3, (2), 51-64, pls. 43-44. [See Hunauld, *Intr. III: C-p Pp*]

PIGAFETTA, Fillippo [1533-1603].

Regnum Congo, hoc est . . . Beschreibung dess Königreichs Congo . . . Erstlich durch E. Lopez . . . in Portugalesischer gestellt, jetzo aber in . . . Teutsche Sprach . . . ubersetzt (etc.). In: de Bry, T. (*Historia Americae sive Novi Orbis, compraehendens in xiii sectionibus . . . descriptionem . . . Indiae Occidentalis* (etc.)). Franckfurt am Meyn, 1598, *India Orientalis*, Pt. I, [v], 74, [8] pp., 10 pls. with descriptive text, 1 map, fol.

PIGAFETTA, F.

A report of the kingdom of Congo, and of the surrounding countries; drawn out of the writings and discourses of the Portuguese, Duarte Lopez. Translated by Margarite Hutchinson. London, 1881, xxi, 174 pp. (Originally published in Rome, 1591.)

PURCHAS, Samuel [1577?-1625].

Hakluytus posthumus, or Purchas his pilgrimes: contayning a history of the world, in sea voyages & lande traueles by Englishmen & others [etc.]. 4th ed., London: by Stansby for H. Fetherstone, 1625, 4 vols.

RAVENSTEIN, Ernest George [1834-1913].

The strange adventures of Andrew Battell of Leigh, in Angola and the adjoining regions. Reprinted from "Purchas his pilgrimes" [etc.]. London: Hakluyt Society, 1901, xx, 210 pp.

RAY, John [1628-1705].

Synopsis methodica animalium quadrupedum et serpentini generis . . . Londini: S. Smith & B. Walford, 1693, xvi, 336, viii, pp., 8°. [+]

RIOLAN, Jean, fils [1577-1657].

L'osteologie du singe ou la comparaison des os du singe, avec ceux de l'homme. In: *Les ouvrages anatomique de M^e. Jean Riolan*, arrangé par Pierre Constant. Paris: Denys Moreau, 1628, vol. 2, 14+349+17 pp., 4°.

SCHERREN, H.

Exhibition of lantern-slides of, and remarks upon, old pictures of anthropoid apes. *Proc. zool. Soc. Lond.*, 1905, (2), 298-302.

SCHOUTEN, Wouter [1638-1704].

W. Schouten's Oost-Indische voyagie, vervattende veel voorname voorvallen en orgemeene vreemde geschiedenissen, bloedige Zee- en Landgerechten . . . een curieuse beschrijving der voornaente landen [etc.]. Amsterdam, 1676, 2 pts., 4°.

SCHOUTEN, Gautier

Voyage de Gautier Schouten aux Indes orientales, commencé l'an 1658. & fini l'an 1665. Traduit du Hollandois. Amsterdam: Estienne Roger, 1707, vol. 2, 515 pp.

STILES, C. W. & Orleman, Mabelle B.

The nomenclature for man, the chimpanzee, the orang-utan, and the Barbary ape. *Bull. U. S. Hyg. Lab.*, 1927, no. 145, 66 pp.
[16f-vnr: esp. Pn Png Mc]

TOPSELL, Edward [-1638?].

The history of four-footed beasts and serpents . . . collected out of the writings of Conradus Gesner and other authors [etc.]. London: E. Cotes, 1658, 14+1130+6 pp., fol. [wood cuts].

TULP, Nicolas [1593-1674].

Observationum medicarum libri tres. Amstelredami: apud L. Elzevirum, 1641, vi, 279 pp., 14 pls., 16°. [Pn]

TULP, N.

Geneeskundige Waarnemingen [etc.]. Leiden: Jurriann Wishoff, 1740, lxxvii, 532+8 pp.

[See Hamy, E. T.; Scherren, H.; Virchow, H.]

TYSON, Edward [1650-1708].

Orang-utang, sive Homo sylvestris: or, the anatomy of a pygmy compared with that of a monkey, an ape, and a man. To which is added, a philological essay concerning the pygmies, the cynocephali, the satyrs, and sphinges of the ancients., [etc.]. London: Thomas Bennet, 1699, 12+108+58 pp., 8 pls., 4°. Review: *Philos. Trans.*, 1699, 21, no. 256, 338-342. [Pn]

TYSON, E.

The anatomy of a pygmy, compared with that of a monkey, and ape, and a man, with an essay concerning the pygmies, etc., of the antients . . . To which is added, the anatomy and description of a rattle-snake: also of musk-hog. With a discourse upon the jointed and round-worm. London: T. Osborne, 1751, 2nd ed., 3 pts., 108+78 pp., 16 pls. 4° (reprinting of 1699 work).

TYSON, E.

A philological essay concerning the pygmies of the ancients. By Edward Tyson, M.D., F.R.S., A.D. 1699. Now edited, with an introduction treating of pygmy races and fairy tales, by Bertram C. A. Windle. London: D. Nutt, 1894, civ, 103 pp.

VIRCHOW, H.

Eine alte Abbildung des Orang Utan. *S.B. Ges. naturf. Fr. Berl.*, 1933, 227. [i.e. Tulp: Pn]

WOTTON, Edward [1492-1555].

Edoardi Wottoni . . . De differentiis animalium libri decem. [etc.] Lutetiae Parisiorum: apud Vascosanum, 1552, [22]+220+[26] pp., fol.

Introduction III

Knowledge of the Primates in the 18th Century

AUDEBERT, Jean Baptiste [1759-1800].

Histoire naturelle des singes et des makis. Paris: Desray, 1792-1800, 2+176 pp., 10 pts., 63 col. pls., large fol. (Early parts issued with title: *Histoire naturelle des singes, peints d'après nature*, Paris: 1797).

BANCROFT, Edward [1744-1821].

An essay on the natural history of Guiana, in South America . . . with an account of the religion, manners, and customs of several tribes of its Indian inhabitants, etc. . . . from a gentleman of the medical faculty during his residence in that country. London: T. Becket & P. A. de Hondt, 1769, iv + 402 pp., 8°.

BEECKMAN, Daniel.

A voyage to and from the island of Borneo, in the East Indies. [etc.] London: T. Warner & J. Batley, 1718, 205 pp., 8°. (Also in: *A general collection of . . . voyages and travels in all parts of the world*, by John Pinkerton, vol. 11, 1812, 4°.)

[See Moulton: Png]

BEWICK, Thomas, engrav. [1753-1828].

A general history of quadrupeds. Newcastle upon Tyne: S. Hodgson, R. Beilby & T. Bewick, 1790, viii, 456 pp., 8°.

BLUMENBACH, Johann Friedrich [1752-1841].

Handbuch der Naturgeschichte [etc.]. Göttingen, 1779, 559 pp., 2 pls., 8°.

BLUMENBACH, J. F.

Abbildungen naturhistorischer Gegenstände. Göttingen: Heinrich Dieterich, 1810 [1796-1810], no. 1-100, 100 pls. (col.), 8°. [Pn Png C-p]

BODDAERT, Pieter [1730-c. 1796].

Tables des planches enluminées d'histoire naturelle de M. D'Aubenton. Avec les dénominations de M. M. de Buffon, Brisson, Edwards, Linnaeus et Latham. Précédé d'une notice des principaux ouvrages zoologique enluminés. Utrecht, 1783, xv, 58 pp., fol. (Reprint: W. B. Tegetmeier, ed. London: "The Field," 1874, xv, 58 pp., 8°.)

BODDAERT, P.

P. Boddaert. . . Elenchus animalium. Volumen I. sistens quadrupedia . . . eorumque varietates. Rotterodami, 1785, xxxviii, 174 pp., 8°.

BOREMAN, Thomas].

A description of some curious and uncommon creatures . . . for the entertainment of young people. London: Richard Ware, 1739, 88 pp., 16 pls. [Pn]

BOSMAN, Willem.

Nauwkeurige beschryving van de Guinese Goud-

Tand- en Slave-Kust [etc.]. Utrecht, [1704], 2 vols. in 1, 4°.

BRISSON, Mathurin Jacques [1723-1806].

Regnum animale in classes ix distributum, [etc.].—*Le règne animal divisé en ix classes*, [etc.]. Paris: Cl. J.-B. Bauche, 1756, vi, 382 pp., 4°.

BRONGNIART, A.

Description du singe cynocéphale. *Simia cynocephalos*, Linn. *J. Hist. nat.*,* 1792, 1, 402-406, pl. 21. [Pp]

BROOKES, Richard

A new and accurate system of natural history. Vol. 1. The natural history of quadrupeds . . . London, 1763, xliii, 374 pp., pls., 8°.

BUFFON, George Louis Leclerc [1707-1788].

Histoire naturelle, générale et particulière, avec la description du cabinet du Roi. Paris: l'Imprimerie royale, 1766, vol. 14, 411 pp., 41 pls.; vol. 15, 1767, 207 pp., 4°. [articles by Buffon and Daubenton].

BUFFON, G. L. L.

Histoire naturelle, générale et particulière. Paris: l'Imprimerie Royale, vol. 7, 1788, Quadrupèdes, 5+234, cccclxxiv pp., 38 pls.; vol. 8, 1789, Quadrupèdes, xx, 364 pp., 81 pls. Supplément, vol. 7, 1889, Suite à l'histoire des animaux quadrupèdes.

BUFFON, G. L. L.

Histoire naturelle, générale et particulière. Nouvelle édition . . . rédigé par C. S. Sonnini. Paris: F. Dufart, 1799-1805, 64 vols. *Histoire naturelle des singes*, by P. A. Latreille. Vol. 35, An XII [1804], 317 pp., pls. 1-35; vol. 36, An XII [1804], 302 pp., pls. 36-79, 8°.

CABRERA, A.

On the identification of *Simia syrichta* Linnaeus. *J. Mammal.*, 1923, 4, 89-91. [Tars]

CAMEL, G. J.

De quadrupedibus Philippensebus. *Philos. Trans.*, 1705, 25, 2197-2204. [See Cabrera: Tars]

CAMPER, Peter [1722-1789].

Account of the organs of speech of the orang outang. *Philos. Trans.*, 1779, 69, 139-159, pl. 2. [Png]

CAMPER, P.

Natuurkundige verhandeligen van Petrus Camper over den Orang Outang; en eenige andere Aapsoorten. Over den Rhinoceros met den dubbelen horen; en over het Rendier. Amsterdam: De Erven P. Meijer & G. Warnars, 1782, 235 pp., 9 pls., 4°.

[Png]

CAMPER, P.

Naturgeschichte des Orang-Utang und einiger andern Affenarten, des Africanischen Nashorns und des Rennthiers . . . Ins Deutsche übersetzt, und mit . . . Beobachtungen des Verfassers herausgegeben von J. F. M. Herbell. Düsseldorf: J. C. Dänzer, 1791, 224 pp., 9 pls., 8°.

CAMPER, P.

Kurze Nachricht von der Zergliederung verschiedener Orang Utangs, [etc.]. Pages 65–94 in: *Sämmtliche kleinere Schriften die Arzney-Wundarzneykunst und Naturgeschichte betreffend*. Ersten Bandes, zweites Stück. Ins Teutsche übersetzt von J. F. M. Herbell. Leipzig: Siegfried Lebrecht Crusius, 1784, 184 pp., 6 pls. [Png]

CAMPER, P.

De l'orang-outang, et de quelques autres espèces de singes. In: *Œuvres de Pierre Camper, qui ont pour objet l'histoire naturelle, la physiologie et l'anatomie comparée*. Paris: H. J. Jansen, 1803, vol. 1, pp. 5–196, 8°.

CUVIER, Georges Léopold Chrétien Frédéric [1769–1832].

Tableau élémentaire de l'histoire naturelle des animaux. Paris, An VI [1798], xvi, 710 pp., 14 pls., 8°.

DAUBENTON, Edme Louis [1732–1785].

Mémoire sur les différences de la situation du grand trou occipital dans l'homme et dans les animaux. *Hist. Acad. R. Sci. Paris*,* 1764, Mémoires, 568–575, pl. 16; Abstr.: *Histoire*, 59–62.

DAUBENTON, Louis Jean Marie [1716–1799].

Articles in: *Encyclopédie méthodique. Histoire naturelle des animaux. Tome premier. Les animaux quadrupèdes et les cétacés*. Paris: Panckoucke, 1782, 1–130 pp.

De VISME, S.

Abstract of a letter from Stephen De Visme, Esq.; at Canton, in China, to Henry Baker, F.R.S., containing an account of an earthquake at Macao, and a short description of a singular species of monkeys without tails, found in the interior part of Bengal. *Philos. Trans.*, 1769, 59, 71–73, pl. 3. [If: Hyl]

EDWARDS, George [1694–1773].

Gleanings of natural history, exhibiting figures of quadrupeds, birds, insects, plants, &c. (*Glanures d'histoire naturelle*, [etc.]). London, 1758–64, xxxv+vii, 347 pp., pls. 211–362 (col.), 4°.

EDWARDS, G.

Beschreibung des Sanglins oder kleinen Cagui. Hamburg & Dresden: Hilscher, 1773, 6 pp., 1 pl.

EDWARDS, G.

Gleanings of natural history, containing figures of quadrupeds, birds, insects, plants, &c. . . . *Glanures de l'histoire naturelle* . . . Part III. London: George Sidney, 1806, vii, 221–346 pp., pls. 311–362, 4°.

EDWARDS, G.

Gleanings of natural history, exhibiting figures of

quadrupeds, birds, insects, plants, &c.: *Glanures d'histoire naturelle* . . . Volume V. London: Will. Gardiner, 1805, xxxv, 108 pp., pls. 213–259, 4°.

ERXLEBEN, Johann Christian Polycarp [1744–1777].

Systema regni animalis, per classes, ordines, genera, species, varietates cum synonymia et historia animalium. Classis I. Mammalia. Lipsiae: Impensis Weygandiansis, 1777, xlvi, 636+64 pp.

FOUCHER d'OBSONVILLE [1734–1802].

*Essais philosophiques sur les mœurs de divers animaux étrangers, avec des observations relatives aux principes & usages de plusieurs peuples. Ou, Extraits des voyages de M*** en Asie*. [etc.]. Paris: Couturier fils, 1783, x, 430 pp. [Png Hyl]

GEOFFROY SAINT-HILAIRE, Étienne [1772–1844].

Mémoire sur les rapports naturels de makis *Lemur*, L. et description d'une espèce nouvelle de mammifère. *Mag. encyclop.*,* 1796, 1, 20–50, 1 pl. [esp. Glg]

GEOFFROY [Saint-Hilaire, É.].

Sur un prétendu orang-outang des Indes, publié dans les actes de la société de Batavia. *J. Phys. Chim. Hist. nat.*,* 1798, 46, 342–346.

GEOFFROY [Saint-Hilaire, É.].

Observations on the account of the supposed orang outang of the East Indies, published in the *Transactions of the Batavian Society* in the Island of Java. *Phil. Mag.*, 1798, (1), 1, 337–342, pl. 11.

GEOFFROY-Saint-Hilaire, É. & CUVIER, G.

Mémoire sur une nouvelle division des mammifères, et sur les principes qui doivent servir de base dans cette sorte de travail. *Mag. encyclop.*,* 1795, année 1, 2, 164–190.

GEOFFROY [Saint-Hilaire], É. & CUVIER, G.

Histoire naturelles des orang-outangs: des caractères qui peuvent servir à diviser les singes. *Mag. encyclop.*,* 1795, année 1, 3, 451–473, 1 pl.

GEOFFROY [Saint-Hilaire], É. & CUVIER, G.

Mémoire sur les orangs-outangs. *J. Phys. Chim. Hist. nat.*,* 1798, 46, 185–191, 1 pl.

GMELIN, Johann Friedrich [1748–1804].

C. a Linné . . . *Systema naturae* . . . *Editio decima tertia, aucta, reformata, cura J. F. Gmelin*. Lipsiae, 1788, Tom. I, Regnum animale, Pt. 1, Mammalia, [x], 1–232 pp.

GRONOVIVS, Laurentius Theodorus [1730–1777].

Zoophylacii Gronoviani, fasciculus primus exhibens animalia quadrupedia, Amphibia atque, Pisces, [etc.]. Lugduni Batavorum: Sumptibus auctoris, 1763, 236 pp., 3 pls., fol.

HOME, E.

An account of the orifice in the retina of the human eye, discovered by Professor Soemmering. To which are added, proofs of this appearance being extended to the eyes of other animals. *Philos. Trans.*, 1798, (2), 332–345, pl. 17.

HOPPIUS, Christianus Emmanuel.

Dissertatio academica, in qua Anthropomorpha . . . praeside . . . Carolo Linnæo [etc.]. Diss. (Med.) Upsaliae, 1760, [6]+16 pp., 1 pl.

HOPPIUS, C. E.

Anthropomorpha. In: C. Linnaei . . . *Amoenitates academicae*. [Salvius: Holmiae, 1760, vol. 6.] 2nd ed., Erlangae: Jacobi Palm, 1789, vol. 6, 63–76, pl. 1, 8°.

HOPPIUS, C. E.

Vom Thiermenschen. In: *Des Ritter C. von Linné Auserlesene Abhandlungen aus der Naturgeschichte, Physik und Arzneiwissenschaft*. (Translated and edited by E. J. T. Hoepfner). Leipzig, 1776, vol. 1, vi, 330+2 pp., 6 pls.

HUNAULD.

Examen de quelques parties d'un singe. *Hist. Acad. R. Sci. Paris*,* 1735 [1738], Mémoires, 379–384, pl. 15. [cf. Perrault]

HUNTER, John [1728–1793].

Observations on the placenta of the monkey. In: *Observations on certain parts of the animal œconomy*. London, 1786, [6]+225 pp., 4°.

HUNTER, J.

Essays and observations on natural history, anatomy, physiology, psychology, and geology. Edited by Richard Owen. London: John van Voorst, 1861, vol. 2, xii, 507 pp., 8°.

van IPEREN, Josua & SCHOUWMAN, Fredrik.

Beschrijving van de wou-wouwen. *Verh. batav. Genoot.*,* [1780, 2, 383–405; *ibid.*, 1784, 2, 235–256]; *ibid.*, 3rd. druk, 1826, 2, 235–256. Gr. transl.: *Mag. Neueste Phys. Naturg.*,* 1787, 2nd. ed., 2, (1), 1–17. [It: *Hyl*]

[JONES, W.]

On the loris, or slowpaced lemur. *Asiatic Res.*,* 1795, 4, 135–139, 1 pl.

JOSEPHI, Wilhelm.

Anatomie der Säugethiere. Erster Band (welcher den Nutzen, der Anatomie der Säugethiere, die Literatur zu derselben, und die Knochenlehre der Affen enthält). Göttingen: J. E. Dieterich, 1787, xvi, 380 pp., 5 pls., 8°.

KERR, Robert [1755–1813].

The animal kingdom, or zoological system of the celebrated Sir Charles Linnaeus: Class I. Mammalia, (Class II. The Birds). . . . being a translation of that part of the *Systema naturae*, as lately published, with great improvements by Professor Gmelin of Goettingen. [etc.]. London: J. Murray, 1792, xii, 28+644 pp., 4°.

KLEIN, Jacob Theodor [1685–1759].

Summa dubiorum circa classes quadrupedum et amphibiorum in celebris domini Caroli Linnaei Systemate naturae: sive naturalis quadrupedum historiae promovendae prodromus cum praeludio de crustatis. Lipsiae: Jo. Frid. Gleditschium, 1743, 50+2 pp., 2 pls., 4°.

KLEIN, J. T.

Quadrupedum dispositio brevisque historia naturalis. Lipsiae: Ionam Schmidt, 1751, iv, 127 pp., 5 pls., 4°.

LACÉPÈDE, Bernard, Germain, Étienne de la Ville [1756–1825].

Discours . . . et Tableaux méthodique des mammifères et des oiseaux. Paris, An VII [1799], 55+18+20 pp., 4°.

LATREILLE, Pierre André [1762–1833].

Histoire naturelle des singes, faisant partie de celle des quadrupèdes de Buffon. . . . Paris: F. Dufart, An ix [1801], vol. 1, 318 pp., pls. (col.) 1–35; vol. 2, 302 pp., pls. (col.) 36–89, 8°.

LICHTENSTEIN, A. A. H. See Intr. I.**LINNAEUS, Carl [1707–1778].**

Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Holmiae: Laurentii Salvi, 1758, 10th ed., vol. 1, 824 pp., 8°.

See: Cabrera, A.; Gmelin, J. F.; Hoppius, C. E.; Kerr, R.; Klein, J. T.; Thomas, O.

[LONG, Edward.]

History of Jamaica, or general survey of the antient and modern state of that island, [etc.]. London: T. Lowndes, 1774, vol. 2, 600 pp., pls. 6–15.

[Png]

MATTHEWS, John.

A voyage to the river Sierra-Leone, on the coast of Africa [etc.]. London: B. White & Son, 1788, iv, 183 pp., 3 pls.

[Pn]

MILLER, C.

An account of the Island of Sumatra, &c. *Philos. Trans.*, 1778, 68, 160–179.

[+ Png *Hyl*]**MONBODDO, James Burnett, Lord, [1714–1799].**

Of the origin and progress of language [etc.]. Edinburgh: J. Balfour, 1774, 2nd rev. ed., vol. 1, x+xi, 678 pp.

[Gr Pn Png]

MOULTON, J. C.

The first reliable account of the orang-utan (*Simia saytrus*, L.). *Zoologist*, 1913, (4), 17, 337–340.

[i.e. Beeckman: Png]

PALLAS, Peter Simon [1741–1811].

Novae species quadrupedum e glirium ordine. Erlangae: Wolfgangi Waltheri, 1778, viii, 388 pp., 27 pls.

[Tars]

PARSONS, J.

An account of a very small monkey, communicated to Martin Falkes, Esq.; LL.D. and President of the Royal and Antiquarian Societies, London. *Philos. Trans.*, 1751–52, 47, 146–150, 1 pl.

[Saim]

PENNANT, Thomas [1726–1798].

Synopsis of quadrupeds. Chester: J. Monk, 1771, xxv, 382 pp., 31 pls.

PENNANT, T.

History of quadrupeds. London: B. White, 1781, vol. 1, xxiv, 284 pp., 32 pls.

PENNANT, T.

History of quadrupeds. 3rd ed., London, 1793, vol. 1, 306 pp., 61 pls.

RADERMACHER, J. C. M.

Beschrijving van het eiland Borneo, voor zoo ver hetzelfde tot nu toe bekend is. *Verh. batav. Genoot.*,* [1780, 2; *ibid.*, 1784, 2]; *ibid.*, 3rd. druk, 1826, 2, 43-69. [Png Nas]

See Huxley, T. H., no. 194a and 194b.

von SCHREBER, Johann Christian Daniel [1739-1810].

Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen. Erster Theil. Fortgesetzt von August Goldfuss. Erlangen: Expedition des Schreber'schen Säugethier- und des Esper'schen Schmetterlingswerkes [etc.], [1774], vi, 188 pp., 4°.

SCOTIN, [engraver]

Animalis rarioris, chimpanzee dicti, ex regno Angola Londinum advecti, brevior descriptio. Nova acta eruditorum, Lipsiae, 1739, 564-565.

[1pl: Pn]

SHAW, George [1751-1813].

Museum Leverianum, containing select specimens from the museum of the late Sir Ashton Lever; with descriptions in Latin and English... London: James Parkinson, 1792-96, parts I-VI, 72 col. pls., 4°.

SHAW, G.

Cimelia physica. Figures of rare and curious quadrupeds, birds, &c., together with several of the most elegant plants. Engraved and coloured from the subjects themselves by John Frederick Miller. London: T. Bensley, 1796, ii, 106 pp., 70 pls. (col.), fol.

SONNERAT, Pierre [1749-1814].

Voyages aux Indes orientales et à la Chine, fait... depuis 1774 jusqu'en 1781. [etc.]. Paris, L'auteur, 1782, vol. 2, viii, 298 pp., pls. 81-140, 4°.

[Indr Daub]

STORR, Gottlieb Conrad Christian [1749-1821] & WOLFFER, Friderico.

Prodromus methodi mammalium. Inauguralem disputationem propositus, praeside G. C. C. Storr... respondente F. Wolffer. Inaug.-Diss. (Med.) Tubingae, Litteris Reissianis, 1780, 43 pp., 4°. [Tars]

THOMAS, Oldfield.

The mammals of the tenth edition of Linnaeus; an attempt to fix the types of the genera and the exact bases and localities of the species. *Proc. zool. Soc. Lond.*, 1911, (1), 120-158.

VICQ d'AZYR, Felix [1748-1794].

Système anatomique. *Encyclopédie méthodique*, Paris, 1792, Système anatomique. Tome II. Quadrupèdes, clxiv, 632 pp.

VICQ, d'AZYR, F.

Description anatomique des singes en général. Pages 295-320 in *Œuvres de Vicq-d'Azyr*, recueillies et publiées avec des notes et un discours sur sa vie et ses ouvrages par Jacq. L. Moreau (de la

Sarthe). Paris: l'Imprimerie de Baudouin, 1805, vol. 5, 372 pp., 8°. [Mc]

VOSMAER, Arnout [1720-1799].

Natuurkundige beschrijving eener uitmuntende verzameling van zeldsaame gedierten, bestaande in Oost- en Westindische viervoetige dieren, vogeln en slangen... Amsterdam: J. B. Elwe, 1766-1804 [1804], 33 parts with title pages, 4°.

VOSMAER, A.

Description d'un recueil exquis d'animaux rares, consistant en quadrupèdes, oiseaux et serpents, des Indes orientales, et occidentales. Amsterdam: J. B. Elwe, 1767-1805 [1804]. [Edition with French title pages & text.]

VOSMAER, A.

Beschrijving van eene zeldsaame Amerikaansche langstaartige aap-soort, by den Inlander gewoonlyk genaamd quatto, en de Hollanders bosch-duivel, of slinger-aap. Amsterdam: Pieter Meijer, 1768, 12 pp., 1 pl. (col.), 4°. [At]

VOSMAER, A.

Beschrijving van eene zeldsaame Amerikaansche nog flet beschreeven slinger-aap-soort, genaamd de nuiter, uit de Hollandsche volkplanting Surinamen. Amsterdam: Pieter Meijer, 1770, 6 pp., 1 pl. (col.), 4°.

VOSMAER, A.

Beschrijving van de zo zeldsaame als zonderlinge aap-soort, genaamd orang-outang, van het eiland Borneo. Amsterdam: Pieter Meijer, 1778, 23 pp., 2 pls. (col.), 4°. [Png]

WHITE, Charles [1728-1813].

An account of the regular gradation in man, and in different animals and vegetables; and from the former to the latter. London: C. Dilly, 1799, xii, 146, cxxxix-clxvi pp., 4 pls.

van WURMB, Fredrik.

Beschrijving van de groote Borneosche orang outang of de Oost-Indische pongo. *Verh. batav. Genoot.*,* [1781, 3; *ibid.*, 178?, 2, 245-261]; *ibid.*, 3rd druk, 1826, 2, 137-147.

WURMB, Baron de.

Description du grand orang-outang de Bornéo, ou pongo des Indes Orientales, par le Baron de Wurmb; tirée des *Mémoires de la Société des Arts et Sciences de Batavia*, tome II, page 245, et traduite du hollandais par le cit. Jansen. *La Décade philosophique, littéraire et politique, Paris**, 1796, 79, 4^e trimestre, 1-8. [Fr. transl.]

van WURMB, F.

Description of the large orang outang of Borneo. *Phil. Mag.*, 1798, (1), 1, 225-231. [Engl. transl.]

van WURMB, F.

De Kahau, eene langstaartige aap. *Verh. batav. Genoot.*,* [1781, 3; *ibid.*, 1787, 3, 345-354.] 2nd ed., *ibid.*, 1824, 3, 217-222.] (Brief Engl. transl. & bibl. notes in: *Notes Leyden Mus.*, 1902, 23, 113-122, pls. 1-5; Gr. transl.: *Mag. Nieuwste Phys. Naturg.*,* 1789, 2nd. ed., 2, (4), 3-10.) [Nas]

Anatomy

Systematic Anatomy, Embryology, Histology, Teratology,
Dimensions and Proportions

Embryology

SPERM & SPERMATOGENESIS

1. Ballowitz, E. Zur Kenntnis der Spermien der frugivoren Chiropteren und der Prosimier mit Einschluss von *Chiromys madagascariensis*, Desm. *Anat. Anz.* 1909, **34**, 275-286.

[27f: Lm Mcr-c Daub]

2. Bluntschli, H. & Spühler, O. Vorkommen von vier Reifungsteilungen in der Spermiogenese von *Microcebus*. *Naturwissenschaften*, 1935, **23**, 287.

[Mcr-c]

3. Branca, A. La croissance des spermatocytes chez *Lemur rufifrons*. *C. R. Soc. Biol., Paris*, 1903, **55**, 1035-1036.

[Lm]

3a. Evans, H. M. & Swezy, Olive. The chromosomes in man: sex and somatic. *Mem. Univ. Calif.*, 1929, **9**, 1-64.

[+ 11pl-8f-9t: Mc]

4. Moreaux, R. Sur la spermiogenèse chez le macaque. *C. R. Soc. Biol., Paris*, 1909, **67**, 369-371.

[Mc]

5. Painter, T. S. The sex chromosomes of the monkey. *Science*, 1922, n.s., **56**, 286-287.

[+ 1f: Ceb]

6. Painter, T. S. Studies in mammalian spermatogenesis. IV. The sex chromosomes of monkeys. *J. exp. Zool.*, 1924, **39**, 433-463.

[5pl-1f-r: Mc Ceb]

7. Retzius, G. Die Spermien der Halbaffen. *Biol. Untersuch.*, 1909, n.f., **14**, 199-200, pl. 58.

[Lm]

8. Retzius, G. Die Spermien der Affen. *Biol. Untersuch.*, 1909, n.f., **14**, 201-204, pls. 58-59.

[Hyl Mc Hap]

9. Retzius, G. Über die Form der Spermien bei den anthropoiden Affen. *Biol. Untersuch.*, 1910, n.f., **15**, 83-86, pl. 21.

[Png]

10. Retzius, G. Om spermernas form hos de antropoida aporna. *Ark. Zool.*, 1910, **6**, no. 8, 6 pp.

[1f: Png]

11. Retzius, G. Die Spermien des Schimpanzen. *Biol. Untersuch.*, 1911, n.f., **16**, 79-81, pl. 24.

[Pn]

12. Retzius, G. Blick auf die jetzige Kenntnis der Spermienformen der Primaten. *Biol. Untersuch.*, 1912, n.f., **17**, 100-108, pls. 15-16.

[Gr Mc Pp Mndr]

13. Retzius, G. Ueber die Spermien des Gorilla. *Anat. Anz.*, 1913, **43**, 577-582.

[11f: Gr]

14. Retzius, G. Zur Kenntnis der Spermien der Insektivoren, Carnivoren und Prosimier. *Biol. Untersuch.*, 1914, n.f., **18**, 85-90, pl. 18.

[Lm Lp-l Daub]

15. Retzius, G. Zur Kenntnis der Spermien der Simier. *Biol. Untersuch.*, 1914, n.f., **18**, 91-94, pl. 19.

[Gr C-p C-c Mc]

16. Retzius, G. Noch einige Beiträge zur Kenntnis der Spermien bei den Affen. *Biol. Untersuch.*, 1921, n.f., **19**, 57-61, pl. 21.

[Hyl Saim]

17. Spühler, O. Genitalzyklus und Spermiogenese des Mausmaki (*Microcebus murinus* Mil-ler). *Z. Zellforsch.*, 1935, **23**, 442-463.

See also: 327, 677.

[10f-r: Mcr-c]

OVUM & OVOGENESIS

18. Allen, E. An unfertilized tubal ovum from *Macacus rhesus*. *Anat. Rec.*, 1928, **37**, 351-356.

[1f-1t: Mc]

19. Allen, E., Pratt, J. P., Newell, Q. U. & Bland, L. J. Human tubal ova; related early corpora lutea and uterine tubes. *Contr. Embryol. Carneg. Instn.*, 1930, **22**, 45-76, 8 pls.

[+ 10f-2t-nr: Mc]

20. Athias, M. Cristalloïdes dans l'œuf de *Cercopithecus callitrichus* et de *Cercopithecus sabaeus*. *Bull. Soc. portug. Sci. nat.*, 1915, **7**, 67-76, pl. 7.

[r: C-p]

21. Evans, H. M. & Swezy, Olive. Oogenesis and the normal follicular cycle in adult mammalia. *Mem. Univ. Calif.*, 1931, **9**, 119-224, pls. 19-36.

[+ 16f-nr: Mc]

22. Gérard, P. Études sur l'ovogenèse et l'ontogenèse chez les lémurien du genre *Galago*. *Arch. Biol., Paris*, 1932, **43**, 93-151, pls. 6-10.

[16f-nr: Lm Nyct-c Glg]

23. Gérard, P. Contribution à l'étude de l'ovaire des mammifères. L'ovaire de *Galago mosambicus* (Young). *Arch. Biol., Paris*, 1920, **30**, 357-392.

[3f-35r: Glg]

24. League, Bessie & Hartman, C. G. Anovular Graafian follicles in mammalian ovaries. *Anat. Rec.*, 1925, **30**, 1-13.

[+ 2pl-6r: Mc]

25. Lewis, W. H. & Hartman, C. G. Early cleavage stages of the egg of the monkey (*Macacus rhesus*). *Contr. Embryol. Carneg. Instn.*, 1933, **24**, 187-202, 2 pls.

[6f-11r: Mc]

26. Narayan Rao, C. R. On the structure of the ovary and the ovarian ovum of *Loris lydekkerianus*, Cabr. *Quart. J. micr. Sci.*, 1927, n.s., **71**, 57-74, pls. 8-9.

[2f-10r: Lor]

27. Pollak, W. Über Kristalloide in Eizellen von *Macacus rhesus*. *Anat. Anz.*, 1926, **61**, 202-204. Abstr.: *Lotos*, 1925, **73**, 69-70.

[1f: Mc]

See also: 715, 718, 1227, 2753.

EARLY EMBRYONIC STAGES
& PLACENTATION

PRIMATES IN GENERAL

28. Eternod, A. C. F. L'anse veineuse viteline des primates (homme et quadrumanes). *C. R. Ass. Anat.*, 1902, 4, 103-110. [++ 2f]

29. Grosser, O. Vergleichende und menschliche Placentationslehre. In: *Biologie und Pathologie des Weibes*. J. Halban and L. Seitz, ed., Berlin und Wein: Urban & Schwarzenberg, 1925, 6, 1 Teil, 1-162 pp.

30. Grosser, Otto. *Frühentwicklung, Eihautbildung und Placentation des Menschen und der Säugetiere*. München: J. F. Bergmann, 1927, viii, 454 pp.

31. Hill, J. P. The developmental history of the primates. [Croonian Lecture]. *Philos. Trans.* 1932, B, 221, 45-178, pls. 1-21. [17f-nr: Gr Hyl Prsb Nas Mc Saim Ceb Hap Lor Nyct-c Glg Tars]

32. Robinson, A. Lectures on the early stages in the development of mammalian ova, and on the differentiation of the placenta in different groups of mammals. Lecture III. *J. Anat., Lond.*, 1904, 38, 485-502, pl. 54. [+ based on Selenka]

33. Selenka, E. Affen Ostindiens. *Stud. EntwGesch. Tiere*, 1891-92, 1, 195-208, pls. 35-40. [Hyl Prsb Nas Mc]

34. Selenka, E. Blattumkehr im Ei der Affen. *Biol. Zbl.*, 1898, 18, 552-557, 808-809; 1899, 19, 175-176. [++ 11f-cf. 90: Hyl Nas Mc Tars]

35. Selenka, E. Entwicklung des Gibbon (*Hylobates* und *Stamanga*). *Stud. EntwGesch. Tiere*, 1899-1900, 2, 163-208, pl. 11. [34f: Hyl Symp Nas Mc]

36. Selenka, E. Zur vergleichenden Keimesgeschichte der Primaten. *Stud. EntwGesch. Tiere*, 1903, 3, 329-373, pl. 12. [67f-1t: Png Hyl Prsb Nas Mc]

37. Strahl, H. & Happe, H. Neue Beiträge zur Kenntnis von Affenplacenten. *Anat. Anz.*, 1904, 24, 454-464. [Nas Al]

38. Strahl, H. & Happe, H. Über die Placenta der Schwanzaffen. *Stud. EntwGesch. Tiere*, 1905, 4, 492-551, pls. 13-55. [Prsb Nas Mc Ceb Al]

39. Wislocki, G. B. On the placentation of primates, with a consideration of the phylogeny of the placenta. *Contr. Embryol. Carneg. Instn.*, 1929, 20, 51-80, 7 pls. [1f-2t-66r: Gr Hyl Clb Mc Ceb Ail Al]

See also: 103, 104, 111a, 112, 666.

PONGIDAE & HYLOBATIDAE

40. Elder, J. H., Hartman, C. G. & Heuser, C. H. A ten and one-half day chimpanzee embryo, "Yerkes A." *J. Amer. med. Ass.*, 1938, 111, 1156-1159. [1f-7r: Pn]

41. Frankenberger, Z. Pupečník gorily. [Umbilical cord of the gorilla.] *Bratislavské lékařs. List.*, 1929, 9, 728-732, pl. 11.

[3f-Engl. abstr.: Gr]

42. Strahl, H. Uteri gravidi des Orang-Utan. *Anat. Anz.*, 1902, 22, 170-175. [Png]

43. Strahl, H. Primaten-Placenten. *Stud. EntwGesch. Tiere*, 1903, 4, 417-491.

[+++ 58f: Png Hyl]

44. Wislocki, G. B. Gravid reproductive tract and placenta of the chimpanzee. *Amer. J. phys. Anthropol.*, 1933, 18, 81-92, 3 pls. [Pn]

See also: 119, 120, 3956.

CERCOPITHECIDAE

45. Bolk, L. Beiträge zur Affen-Anatomie. I. Untersuchungen am schwangeren Uterus von *Semnopithecus*. *Morph. Jb.*, 1900, 28, 565-623, pl. 30.—Bemerkung zu meiner Abhandlung. *Anat. Anz.*, 1901, 20, 95-96. (Irrige Bestimmung des Materials. Arbeit als nicht existierend zu betrachten.) [24f-21r: See above]

46. Chapman, H. C. Placenta of *Macacus cynomologus*. *Proc. Acad. nat. Sci., Philad.*, 1879, 146-147. [Mc]

47. Coventry, A. F. The placenta of the Guinea baboon (*Cynocephalus papio*, Desmar.). *Anat. Rec.*, 1923, 25, 237-255. [4pl-1f: Pp]

48. Duckworth, W. L. H. The histology of the early placenta of *Macacus nemestrinus*. *Proc. Camb. phil. Soc.*, 1907, 14, 299-312, pls. 4-11. [Mc]

48a. Frommolt, G. Über die Makakusplacenta. *Z. Geburtsh. Gynäk.*, 1931, 100, 168-170. [Abstr.]

49. Frommolt, G. Untersuchungen an Makaken. I. Mitteilung: Der Makakenuterus am Ende der Gravidität. *Zbl. Gynäk.*, 1931, 55, (2), 1768-1775. [9f: Mc]

50. Hart, D. B. & Gulland, G. L. The anatomy of advanced pregnancy in *Macacus rhesus* studied by frozen sections, by casts and microscopically. *J. Anat., Lond.*, 1893, 27, 361-376, pl. 22. [2f-19r: Mc]

51. Herberg, H. P. Die Utero-Placentargefäße bei Makaken. *Z. mikr.-anat. Forsch.*, 1935, 37, 1-15. [7f: Mc]

52. Hertig, A. T. Angiogenesis in the early human chorion and in the primary placenta of the macaque monkey. *Contr. Embryol. Carneg. Instn.*, 1935, 25, 37-82, 5 pls.

[++ 3f-5t-nr: Mc]

52a. Heuser, C. H. Early development of the primitive mesoblast in embryos of the rhesus monkey. *Coop. Res., Carneg. Instn.*, * 1938, 383-388, 3 pls. [Mc]

53. Keith, A. [Uterus of *Macacus rhesus*.] *J. Anat., Lond.*, 1900, 34, xlvi-xlviiii.

[1f-abstr.: Mc]

54. Kollmann, J. Ueber die Entwicklung der Placenta bei den Makaken. *Anat. Anz.*, 1900, 17, 465-479. [6f-25r: Mc]

55. Retterer, É. Structure des disques placentaires du macaque rhésus. *C. R. Soc. Biol., Paris*, 1915, 78, 323-327. [Mc]

56. Retterer, É. & Neuville, H. Disques placentaires d'un macaque rhésus. *C. R. Soc. Biol., Paris*, 1915, 78, 271-274. [Mc]

57. Rolleston, [G.]. On the placental structures of the tenrec (*Centetes ecaudatus*), and those of certain other Mammalia; with remarks on the value of the placental system of classification. *Trans. zool. Soc. Lond.*, 1863 [1866], 5, 285-316, pl. 50. [+ nr: Mc]

58. Selenka, E. Zur Entwicklung der Affen. *S. B. preuss. Akad. Wiss.*, 1890, (2), 1257-1262. [Prsb Mc]

59. Selenka, E. Atypische Placentation eines altweltlichen Schwanzaffen. *Ann. Jard. bot. Buitenz.*, [1898], Suppl. 2, 85-88. [Prsb]

60. Selenka, E. Placentaranlage des Lutung (*Semnopithecus pruinosus*, von Borneo). *S. B. bayer. Akad. Wiss.*, 1901, 31, 3-14, 2 pls. [5f: Prsb]

61. Turner, W. On the placentation of the apes, with a comparison of the structure of their placenta with that of the human female. *Philos. Trans.*, 1878 [1879], 169, 523-562, pls. 48-49. [r: Mc C-c Pp]

62. Waldeyer, W. Die Placenta von *Inuus nemestrinus*. *S. B. preuss. Akad. Wiss.*, 1889, (2), 697-710. [1f: Mc]

63. Waldeyer, W. Bemerkungen über den Bau der Menschen- und Affen-Placenta. *Arch. mikr. Anat.*, 1890 [1895], 35, 1-51, pls. 1-2. [+ r: Mc]

64. Wislocki, G. B. & Hartman, C. G. On the placentation of a macaque (*Macacus rhesus*) with observations on the origin of the blood constituting the placental sign. *Johns Hopk. Hosp. Bull.*, 1929, 44, 165-185. [3pl-13r: Mc]

65. Wislocki, G. B. & Streeter, G. L. On the placentation of the macaque (*Macaca mulatta*), from the time of implantation until the formation of the definitive placenta. *Contr. Embryol. Carneg. Instn.*, 1938, 27, 1-66, 13 pls. [1f-65r: Mc Hap Oed-m]

See also: 111a, 131.

CEBIDAE & HAPALIDAE

66. Klein, W. Beitrag zur Kenntnis der Mycetesplacenta. *Arb. anat. Inst., Wiesbaden*, 1910, 41, 339-371, pl. 12. [1f: Al]

67.* Martin St.-Ange, [G. J.]. Placenta à deux lobes symétriques chez un foetus de singe à terme, du genre ouistiti (*Hapale*). *Mag. Zool. de Guérin Méneville*,* 1844, 6. Also: *Rev. zool.*,* 1844, 7, 73-74. [Hap]

68. Rudolphi, [C. A.]. Über den Embryo der Affen und einiger anderen Säugethiere. *Abh. preuss. Akad. Wiss., physik. Kl.*, 1828, 35-42, pls. 1-4. [++ Al Hap]

69. Sawaya, P. Sobre a placenta bidiscoidal de *Hapale jacchus* (L.). *Rev. Biol. Hyg., S. Paulo*, 1937, 7, 53-58. [2f-19r-Engl. abstr.: Hap]

70. Strahl, H. Doppelt-diskoidale Placenten bei amerikanischen Affen. *Anat. Anz.*, 1905, 26, 429-430. [Ceb Al]

71. Strahl, H. Zur Entwicklung von *Mycetes* und *Cebus*. *Anat. Anz.*, 1913, 43, 501-510. [Ceb Al]

72. Wislocki, G. B. Remarks on the placentation of a platyrrhine monkey (*Ateles geoffroyi*). *Amer. J. Anat.*, 1926, 36, 467-487. [2pl-10r: Atl]

73. Wislocki, G. B. On a series of placental stages of a platyrrhine monkey (*Ateles geoffroyi*) with some remarks upon age, sex and breeding period in platyrrhines. *Contr. Embryol. Carneg. Instn.*, 1930, 22, 173-192, 5 pls. [1t-nr: Aot Saim Oed-m Ceb Atl Al]

74. Wislocki, G. B. Placentation in the marmoset (*Oedipomidas geoffroyi*), with remarks on twinning in monkeys. *Anat. Rec.*, 1932, 52, 381-399. [3pl-10r: Oed-m C-p]

See also: 2927a.

LEMUROIDEA & TARSIOIDEA

75. Anthony, R. Note sur un foetus de propitèque et ses membranes. *Ann. Sci. nat., Zool.*, 1908, (9), 7, 243-248, pl. 17. [2f: Pr-p]

76. Broca, P. Sur la généalogie de l'homme d'après M. Haeckel. Le placenta des lémuriens. *Bull. Soc. Anthrop. Paris*, 1877, (2), 12, 267-270. [+ Pr-p]

77. van Gelderen, C. Über die zeitliche Folge der Entstehung der Dotter- und Placentarkreisläufe bei Primaten. *Zool. Anz.*, 1926, 66, 103-114. [3f-r: Tars]

78. Gérard, P. Contribution à l'étude de la placentation chez les lémuriens. A propos d'une anomalie de la placentation chez *Galago demidoffi* (Fisch). *Arch. Anat. micr.*, 1929, 25, 56-68. [8f: Glg]

79. Hamlett, G. W. D. The occurrence of hipomanes within the yolk sac of lemurs. *Anat. Rec.*, 1935, 62, 279-289. [2pl-r: Lm Mcr-c]

80. Hill, J. P. The affinities of *Tarsius* from the embryological aspect. *Proc. zool. Soc. Lond.*, 1919, (2), 476-491, 1 pl. [5f-1t: Tars]

81. Hill, J. P. & Burne, R. H. The foetal membranes and placentation of *Chiromys madagascariensis*. (With an appendix on the external characters of the foetus, by R. I. Pocock, F. R. S.) *Proc. zool. Soc. Lond.*, 1922 [1923], (2), 1145-1170, 6 pls. [6f-18r: Daub]

82. Hill, J. P., Ince, Frances E. & Subba Rau, A. The mode of vascularization of the chorion in the Lemuroidea and its phylogenetic significance. *C. R. Ass. Anat.*, 1928, 23, 196-200. [1f: Lor]
83. Hill, J. P., Ince, Frances E. & Subba Rau, A. The development of the foetal membranes in *Loris*, with special reference to the mode of vascularisation of the chorion in the Lemuroidea and its phylogenetic significance. (Preliminary communication.) *Proc. zool. Soc. Lond.*, 1928, (2), 699-716, 1 pl. [3f: Lor]
84. Hubrecht, A. A. W. *Spolia nemoris*. *Quart. J. micr. Sci.*, 1894, n.s., 36, 77-125, pls. 9-12. [++ *Nyct-c Tars*]
85. Hubrecht, A. A. W. Embryologisch onderzoek van zoogdieren uit Nederlandsch-Indië, aldaar in 1890 en 1891 aangevangen in opdracht van de Koninklijke Natuurkundige Vereeniging. *Natuurk. Tijdschr. Ned.-Ind.*, 1895, 54, 25-92, 4 pls. [*Idem no. 84*]
86. Hubrecht, [A. A. W.] Over de kiemblaas van de aap en hare beteekenis voor de phylogenie der primaten. *Versl. gewone vergad. Akad. Amst.*, 1896, 5, 23-25. [+++ *Tars*]
87. Hubrecht, A. A. W. Die Keimblase von *Tarsius*. Ein Hilfsmittel zur schärferen Definition gewisser Säugetierordnungen. *Festschrift Carl Gegenbaur*, 1896, 2, 147-178, 1 pl. Apart: Leipzig, Wilhelm Engelmann, 1896, 32 pp. [*Mc Tars*]
88. Hubrecht, A. A. W. Die Rolle des embryonalen Trophoblasts bei der Placentation. *Zbl. Gynäk.*, 1897, 21, 1206-1207. [+ *abstr.: Tars*]
89. Hubrecht, A. A. W. Ueber die Entwicklung der Placenta von *Tarsius* und *Tupaja*, nebst Bemerkungen ueber deren Bedeutung als haematopoietische Organe. *4th Int. Congr. Zool., Cambridge*, 1898 [1899], 343-411, pls. 4-15. [*Tars*]
90. Hubrecht, A. A. W. Blattumkehr im Ei der Affen? *Biol. Zbl.*, 1899, 19, 171-175. [++ *2f-cf. 34: Tars*]
91. Hubrecht, A. A. W. Keimblattbildung bei *Tarsius spectrum*. *5th Int. Congr. Zool., Berl.*, 1901, 651-657, 2 pls. [*Tars*]
92. Hubrecht, A. A. W. Furchung und Keimblattbildung bei *Tarsius spectrum*. *Verh. Akad. Wet., Amst., Sect. 2*, 1902, 8, no. 6, 113 pp., 12 pls. [*nr: Tars*]
93. Hubrecht, Ambrosius Arnold Willem. *Die Säugetierontogenese in ihrer Bedeutung für die Phylogenie der Wirbeltiere*. Jena: Gustav Fischer, 1909, 248 pp. [++ *186f: Lm Tars*]
94. Jenkinson, J. W. The placenta of a lemur. *Quart. J. micr. Sci.*, 1915, n.s., 61, 171-184, pls. 15-17. [7f: ?*Lp-l*]
95. Milne-Edwards, A. Observations on some points in the embryology of the Lemuroidea, and on the zoological affinities of these animals. *Ann. Mag. nat. Hist.*, 1871, (4), 8, 438-440. [*see no. 96*]
96. Milne-Edwards, A. Observations sur quelques points de l'embryologie des lémuriens et sur les affinités zoologiques de ces animaux. *C. R. Acad. Sci., Paris*, 1871, 73, 422-424; *Ann. Sci. nat., Zool.*, 1872, (5), 15, no. 6, 7 pp.; *Bull. Soc. Anthropol. Paris*, 1871, 6, 396-403. [*Lp-l Hp-l Chrg Pr-p*]
97. Milne-Edwards, A. Sur la disposition des enveloppes foetales de l'aye-aye (*Chiromys madagascariensis*). *C. R. Acad. Sci., Paris*, 1884, 99, 266-267. [*Daub*]
98. Strahl, H. Die Verarbeitung von Blutextravasaten durch Uterindrüsen. *Anat. Anz.*, 1899, 16, 266-269. [*Glg*]
99. Strahl, H. Der Uterus gravidus von *Galago agisymbanus*. *Abh. senckenb. naturf. Ges.*, 1899, 26, 153-199, pls. 18-25. [*Glg*]
100. Strahl, H. Beiträge zur vergleichenden Anatomie der Placenta. *Abh. senckenb. naturf. Ges.*, 1904, 27, 261-320, pls. 36-45. [++ *1f: Lm Pr-p Glg*]
101. Turner, W. On the placentation of the lemurs. *Philos. Trans.*, 1876 [1877], 166, 569-587, pls. 49-51; *J. Anat., Lond.*, 1877, 12, 147-153; *J. Zool.*,* 1877, 6, 359-375. [*1f: Lm Pr-p Indr*]
102. Turner, W. An additional contribution to the placentation of the lemurs. *Proc. roy. Soc.*, 1888, 44, 277-282. [*Lm*]
- See also: 22, 269, 731.

FOETUS & FOETAL GROWTH

PRIMATES IN GENERAL

103. Breschet, G. Recherches anatomiques et physiologiques sur la gestation des quadrumanes. *Mém. Acad. Sci., Paris*, 1845, 19, 401-490, 14 pls. [*Nas C-p Pp Saim Al*]
104. Keibel, [F.] Zur Entwicklungsgeschichte der Affen. *Anat. Anz.*, 1904, 25, ErgH., 156-163] [*Png Hyl Prsb Mc*]
105. Keibel, F. Zur Embryologie des Menschen, der Affen und der Halbaffen. *Anat. Anz.*, 1905, 27, ErgH., 39-50. [22f: *Prsb Mc Tars*]
106. Keibel, F. Zur Embryologie des Menschen, der Affen und der Halbaffen. *C. R. Ass. Anat.*, 1905, 7, 141-152. [*Idem 105*]
107. Keibel, F. Die äussere Körperform und der Entwicklungsgrad der Organe bei Affenembryonen. *Stud. EntwGesch. Tiere*, 1906, 4, 553-617. [87f-24t: *Png Hyl Prsb Nas Mc*]
108. Meyer-Lierheim, F. Die Dichtigkeit der Behaarung beim Fetus des Menschen und der Affen. *Z. Morph. Anthropol.*, 1910, 13, 131-150, pl. 5. [++ *30t: Pn Png Hyl Mc*]
109. Schultz, A. H. Embryological evidence of the evolution of man. *J. Wash. Acad. Sci.*, 1925, 15, 247-263. [+++ *16f: Gr Pn Png Hyl Clb Mc Ceb Lag Atl Al Lm*]

110. Schultz, A. H. Fetal growth of man and other primates. *Quart. Rev. Biol.*, 1926, 1, 465-521. [+++ 20f-31t-nr: Gr Pn Png Hyl Nas Clb Mc Pp Ceb Atl Al]

110a. Schultz, A. H. La croissance foetale chez l'homme et autres primates. *Bull. Soc. Formes hum.*, Paris, 1927, 5, 270-334. [Fr. transl. of no. 110]

111. Schwalbe, G. Über die Richtung der Haare bei den Affenembryonen, nebst allgemeinen Erörterungen über die Ursachen der Haarrichtungen. *Stud. EntwGesch. Tiere*, 1911, 5, i-ix; 1-205, pls. 1-13. [42f-t-66r: Gr Pn Png Hyl Symph Prsb Nas Mc]

111a. Selenka, E. Die Gleichartigkeit der Embryonalformen bei Primaten. *Biol. Zbl.*, 1901, 21, 484-490. [19f: Hyl Prsb Mc]

See also: 105, 354, 1749, 1779, 1780, 1782, 3967.

PONGIDAE & HYLOBATIDAE

112. Babor, J. F. & Frankenberg, Z. Studien zur Naturgeschichte des Gorillas. I. Teil. Einleitung äussere Beschreibung eines neuen Gorillenfetus aus Westafrika. *Biol. gen.*, 1930, 6, 553-632, pls. 38-40. [17f-nl-45r: Gr]

113. Babor, J. F. & Frankenberg, Z. Studien zur Naturgeschichte des Gorillas. II. Teil. Über das fetale Wachstum des Gorillas. *Biol. gen.*, 1931, 7, 367-406, pls. 9-11. [2f-5t-25r: Gr]

114. Bolk, L. Über das kaudale Rumpfe eines Fetus vom Schimpanse. *Anat. Anz.*, 1917, 50, 354-358. [2f: Pn]

115. Bolk, L. Das Haarkleid eines Fetus von Schimpanse. *Bijdr. Dierk.*, 1919, 21, 57-65. [8f-r: Pn]

116. Bolk, L. Vergleichende Untersuchungen an einem Fetus eines Gorillas und eines Schimpansen. *Z. Anat. EntwGesch.*, 1926, 81, 1-89. [49f-11t: Gr Pn]

117. Deniker, [J.] Un foetus de gorille. *Bull. Soc. Anthropol. Paris*, 1884, (3), 7, 447-451. [Gr]

118. Deniker, J. Sur un foetus de gorille. *C. R. Acad. Sci., Paris*, 1884, 98, 753-756. [Gr]

119. Deniker, J. Sur un foetus de gibbon et son placenta. *C. R. Acad. Sci., Paris*, 1885, 100, 654-656. [Hyl]

120. Deniker, J. Recherches anatomiques et embryologiques sur les singes anthropoïdes. Foetus de gorille et de gibbon comparés aux foetus humains et aux anthropoïdes jeunes et adultes. *Arch. Zool. exp. gén.*, 1885, (2), 3 bis, Suppl. no. 3, 265 pp., pls. 22-30. [nr: Gr Hyl]

121. Deniker, Joseph. *Recherches anatomiques et embryologiques sur les singes anthropoïdes*. Thèse (Sci.) Paris. Poitiers: Typographie Oudin, 1886, 266 pp., 9 pls.

122. Duckworth, W. L. H. Note on a foetus of *Gorilla savagei*. *J. Anat., Lond.*, 1898, 33, 82-90. [3f-1t: Gr]

123. Duckworth, W. L. H. Bericht über einen Fötus von *Gorilla savagei*. *Arch. Anthropol., Braunschw.*, 1902, 27, 233-238. [5f-1t: Gr]

124. Schmidt, E. Ein Anthropoiden-Fötus. *Festschr. zum 70ten Geburtstage R. Leuckarts*, Leipzig, 1892, 26-35, pl. 3. [1t: ?Pn Hyl]

125. Schultz, A. H. Observations on a gorilla fetus. *Eugen. News*, 1927, 12, 37-40. [Lecture: Gr]

126. Schultz, A. H. Notes on the fetus of an orang-utan with some comparative observations. *Rep. Lab. Mus. zool. Soc. Philad.*, 1933, 61, 28-37, 1 pl. [1f-2t: Png]

127. Schultz, A. H. Chimpanzee fetuses. *Amer. J. phys. Anthropol.*, 1933, 18, 61-79. [3f-2t: Pn]

128. Trinchese, S. Descrizione di un feto di orang-utan. *Ann. Mus. Stor. nat. Genova*, 1870, 1, 9-46, pls. 1-3. [Pn Png]

See also: 364, 369, 371, 4028.

CERCOPITHECIDAE

129. Anthony, R. & Villemain, F. Recherches sur le développement du *Papio (Choeropithecus) porcarius* Bodd. (Chacma Sud-Africain). *Mission Rohan-Chabot*, 1923, 4, fasc. 1, 1-104, pls. 9-13. [Pp]

130. Hill, W. C. O. The pre-natal development of the grey langur, *Semnopithecus priamtherites*. *Spolia zeylan.*, 1937, 20, 211-251, pls. 8-12. [3t-6f-23r: Prsb]

131. Kollmann, J. Affen-Embryonen aus Sumatra und Ceylon. *Anat. Anz.*, 1892, 7, 335-340. [Mc]

131a. Kollmann, J. Beiträge zur Embryologie der Affen. *Arch. Anat. Physiol., Anat. Abt.*, 1892, 137-151, pl. 8. [Mc]

132. Schultz, A. H. Observations on *Colobus* fetuses. *Bull. Amer. Mus. nat. Hist.*, 1924, 49, 443-457. [6f-3t: Clb]

133. Schultz, A. H. Fetal growth and development of the rhesus monkey. *Contr. Embryol. Carneg. Inst.*, 1937, 26, 71-97, 2 pls. [5f-3t-26r: Mc]

134. Toldt, C., Jr. Ueber die äussere Körperform zweier verschieden grosser Embryonen von *Macacus cynomolgus* L. *Arch. Anthropol., Braunschw.*, 1903, 28, 277-287. [2f-3t: Mc]

See also: 50, 1742, 1787a & Buffon, Intr. III.

CEBIDAE & HAPALIDAE

135. Bluntschli, H. Demonstration zur Entwicklungsgeschichte platyrrhiner Affen, von *Didelphys marsupialis*, *Tamandua bivittata* und *Bradypus marmoratus*. *Anat. Anz.*, 1913, 44, ErgH., 196-202, 1 pl. [Abstr.: Aot Saim Ceb]

136. Schultz, A. H. Fetuses of the Guiana howling monkey. *Zoologica, N. Y.*, 1921, 3, 243-262, 1 pl. [6f-3t-nr: Al]

See also: 68, 1084, 2927a.

LEMUROIDEA & TARSIOIDEA

137. Hubrecht, A. A. W. & Keibel, F. Normentafeln zur Entwicklungsgeschichte der Koboldmaki (*Tarsius spectrum*) und der Plumplori (*Nycticebus tardigradus*). *Normentaf. Wirbelt.* 1907, 7, 76 pp., 4 pls.

[38f-vnr: *Nyct-c Tars*]

138. Ince, Frances E. A contribution to a normal table of the development of *Loris lydekkerianus*. *Trans. zool. Soc. Lond.*, 1937, 23, 43-72, pls. 8-13.

[nt-5r: *Lor*]

139. Keibel, F. & Elze, C. Normentafel zur Entwicklungsgeschichte des Menschen. Mit Bei-

trägen von Broman, Hammar und Tandler. *Normentaf. Wirbelt.*, 1908, 8, viii, 314 pp., 6 pls.

[+ 44f-vnr: *Nyct-c Tars*]

140. [de Lange, D., Jr.] *Catalogue of the embryological material of Lemuridae (Tarsius and Nycticebus) and Dermoptera (Galeopithecus)*. Utrecht: Hubrecht Laboratory, 1921, 120 pp.

[+++ vnt: *Nyct-c Tars*]

141. Petit, G. Description d'un foetus de *Lepidolemur ruficaudatus* A. Grandidier. *Terre et la Vie*, 1934, 4, 497-499.

[1f: *Lp-I*]

See also: 75, 77, 81, 92, 99, 977, 3942, 3943, 3966, 3967.

General Morphology

including

Systematic, Regional & External Anatomy; Quantitative &
Developmental Anatomy; & Teratology

GENERAL MORPHOLOGY Comprehensive & General Studies PRIMATES IN GENERAL

142. Anthony, R. Contribution à l'étude morphologique générale des caractères d'adaptation à la vie arboricole chez les vertébrés. *Ann. Sci. nat., Zool.*, 1912, (9), 15, 101-342. [+ 74f]

143. Ashley-Montagu, M. F. The tarsian hypothesis and the descent of man. *J. roy. anthrop. Inst.*, 1930, 60, 335-362, pls. 9-10. [4i]

144. Barkow, Hans Carl Leopold. *Comparative Morphologie des Menschen und der menschenähnlichen Thiere*. Erster Theil, Griefswald: Ludwig Bamberg, 1875, 1, 92 pp., 46 pls. Zweiter Theil, Erklärung der Abbildung. Breslau: Ferdinand Hirt, 1862, 142 pp., 71 pls.
[Pn Png Pp Mndr]

145. Broca, P. L'ordre des primates. Parallèle anatomique de l'homme et des singes. *Bull. Soc. Anthropol. Paris*, 1869, (2), 4, 228-401. [+++ 11f-l]

146. Clark, W. E. Le Gros. *Early forerunners of man; a morphological study of the evolutionary origin of the primates*. London: Ballière, Tindall & Cox, 1934, xvi, 296 pp. [+++ 89f-vnr]

147. Cuvier, Georges Léopold Chrétien Dago- bert. *Leçons d'anatomie comparée*. Paris: Bau- douin, 1805, 5 vols.

148. Duckworth, Wynfrid Laurence Henry. *Studies from the anthropological laboratory, the Anatomy School, Cambridge*. Cambridge: Uni- versity Press, 1904, x, 291 pp.

149. Duckworth, Wynfrid Laurence Henry. *Morphology and anthropology: a handbook for students*. Cambridge: University Press, 1915, 2nd ed., vol. 1, xvii, 304 pp. [+++ 208f-r]

150. Giebel, C. G. & Leche, W. Säugethiere: Mammalia. *Bronn's Klassen Ordn. Thier- Reichs*, 1877, Bd. 6, Abt. 5, Bd. 1, 1-1169, pls. 1-121. [+ 173f]

151. Hopf, Ludwig. *The human species con- sidered from the standpoints of comparative anat- omy, physiology, pathology and bacteriology*. Lon- don: Longmans, Green & co., 1909, xx, 457 pp., 7 pls.

152. Hovelacque, Abel & Hervé, Georges. *Précis d'anthropologie*. Paris: Vigot frères, 1887, xi, 651 pp. [++]

153. Huxley, T. H. The structure and classi- fication of the mammalia. *Med. Times Gaz. Lond.*, 1864, (1), 153-154, 177-178, 203-204, 229, 256- 257, 284, 312-313, 343-344, 369-370, 398-399, 428-429, 456-457, 486-487, 509-510, 537-538, 564-565, 595-596, 617-618, 647-648, 671-672; 1864, (2), 40-41, 93-94, 123-124, 145-146. [+ Gr Pn Png Hyl Primates]

154. Huxley, Thomas Henry. *A manual of the anatomy of vertebrated animals*. New York: D. Appleton & co., 1872, 431 pp. [+ 110f]

155. Jones, Frederic Wood. *Aborean man*. London: Edward Arnold & co., 1926, x, 230 pp. [+ 81f-r]

156. Jones, Frederic Wood. *Man's place among the mammals*. London: Edward Arnold & co., 1929, xii, 372 pp., 12 pls. [+++ 160f]

157. Loth, Edward. *Anthropologie des parties molles (muscles, intestins, vaisseaux, nerfs péri- phériques)*. Paris: Masson & cie., 1931, 538 pp. [+ 198f-vnt-vnr]

158. Macalister, Alexander. *An introduction to the systematic zoology and morphology of verte- brate animals*. Dublin: Hodges, Foster & Figgis, 1878, viii, 365 pp. [+ 41f]

159. Meckel, Johann Friedrich. *System der vergleichenden Anatomie*. Halle: Rengerschen Buchhandlung, 1821-1833, 6 vols.

160. Oppel, Albert, ed. *Lehrbuch der ver- gleichenden mikroskopischen Anatomie der Wir- belthiere*. Jena: Gustav Fischer, 1896-1913, 6 vols.

161. Oppenheim, Stefanie, Remane, A. & Gieseler, W. Methoden zur Untersuchung der Morphologie der Primaten. *Handb. biol. Arb- Meth.*, 1930, Abt. 7, Teil, 1, 531-682, 6 pls. [++ 69f]

162. Owen, Richard. *On the anatomy of verte- brates*. London: Longmans, Green & co., 1866, vol. 2, *Birds and mammals*, 592 pp.; 1868, vol. 3, *Mammals*, x, 915 pp. [+ 406 & 614f-vnr]

163. Schultz, A. H. Man as a primate. *Sci. Mon.*, N. Y., 1931, 33, 385-412. [+++ 31f-1f]

164. Schultz, A. H. Characters common to higher primates and characters specific for man. *Quart. Rev. Biol.*, 1936, 11, 259-283, 425-455. [+ + 21f-71-nr: Gr Pn Png Hyl Symp Prsb C-p C-c Mc Pp]

165. Sonntag, Charles F. *The morphology and evolution of the apes and man*. London: John Bale, Sons and Danielsson, 1924, xi, 364 pp. [+ + + 57f-518r: esp. Gr Pn Png Hyl Symp]

166. Stibbe, E. P. *An introduction to physical anthropology*. London: Edward Arnold & co., 1938, vii, 230 pp. [+ 1-56f: Gr Pn Png Hyl]

167. Vrolik, W. Quadrumana. Article in: *The cyclopedia of anatomy and physiology*, Robert B. Todd, ed. London: Longman, Brown [etc.], 1847-49, vol. 4, pt. 1, pp. 194-221. [26f-r]

168. Weber, Max Wilhelm Carl. *Die Säugetiere. Einführung in die Anatomie und Systematik der recenten und fossilen Mammalia*. 2nd ed. Jena: Gustav Fischer, 1928, vol. 1, Anatomischer Teil, xv, 444 pp.; vol. 2, 1928, Systematischer Teil, xxiv, 898 pp. [+ 316 & 573f]

See also: Blasius, Intr. II; Buffon; Hunter; Vicq d'Azyr, Intr. III.

PONGIDAE & HYLOBATIDAE

169. Barnston, J. Description of, and remarks upon, a chimpanzé, which died lately, while exhibiting in Montreal. *Med. Chron., Montreal*,* 1854 [1855], 2, 253-260, 1 pl. [Pn]

170. Beddard, F. E. Contributions to the anatomy of the anthropoid apes. *Trans. zool. Soc. Lond.*, 1893, 13, 177-218, pls. 20-28. Abstr.: *Proc. zool. Soc. Lond.*, 1892, 118-120. [Gr Pn Png]

171. Bischoff, T. L. W. Beiträge zur Anatomie des *Hylobates leuciscus* und zu einer vergleichenden Anatomie der Muskeln der Affen und des Menschen. *Abh. bayer. Akad. Wiss.*, 1870, 10, Abt. 3, 197-297, 5 pls. [Pn Png Hyl C-p Mc Mndr Pith Hap]

172. von Bischoff, T. L. W. Beiträge zur Anatomie des Gorilla. *Abh. bayer. Akad. Wiss.*, 1880, 13, Abt. 3, 1-48, 4 pls. [Gr]

173. Chapman, H. C. On the structure of the gorilla. *Proc. Acad. nat. Sci., Philad.*, 1878, 385-394, pl. 3-6. [Gr]

174. Chapman, H. C. On the structure of the chimpanzee. *Proc. Acad. nat. Sci., Philad.*, 1879, 52-63, pls. 9-12. [Gr Pn]

175. Chapman, H. C. On the structure of the orang outhang. *Proc. Acad. nat. Sci., Philad.*, 1880, 160-175, pls. 11-17. [Png]

176. Chapman, H. C. Observations upon the anatomy of *Hylobates leuciscus* and *Chiromys madagascariensis*. *Proc. Acad. nat. Sci., Philad.*, 1900, 414-423. [2f: Hyl Daub]

177. Deniker, J. & Boulart, R. Notes anatomiques sur les sacs laryngiens, les excroissances adipeuses, les poumons, le cerveau, etc. des orang-outans. *Nouv. Arch. Mus. Hist. nat., Paris*, 1895, (3), 7, 35-56, pl. 1-4. [2f: Png]

178. [Duvernoy, G. L.] Des caractères anatomiques des grands singes pseudo-anthropomorphes. *Arch. Mus. Hist. nat. Paris*, 1855-56, 8, 1-248, pls. 1-16. [Gr Pn Png Symp]

179. Dwight, T. Notes on the dissection and brain of the chimpanzee "Gumbo" (*Troglodytes niger*). *Mem. Boston Soc. nat. Hist.*, 1895, 5, 31-52, pls. 9-10. [Pn]

180. Ehlers, E. Beiträge zur Kenntniss des Gorilla und Chimpanse. *Abh. Ges. Wiss. Göttingen*, 1881, 28, 3-77, 4 pls. [nt: Gr Pn]

181. Embleton, D. Notes on certain parts of the anatomy of a young chimpanzee. *Nat. Hist. Rev.*,* 1864, 4, 250-258. [Pn]

182. Fick, R. Vergleichend anatomische Studien an einem erwachsenen Orang-Utang. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1895, 1-100, pls. 1-3. [f-91-vnr: Png]

183. Fick, R. Beobachtungen an einem zweiten erwachsenen Orang-Utang und einem Schimpansen. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1895, 289-318. [21-nr: Pn Png]

184. Frechkop, S. Notes sur les mammifères. XVII.—A propos du chimpanzé de la rive gauche du Congo. *Bull. Mus. Hist. nat. Belg.*, 1935, 11, no. 2, 43 pp. [24f-r: Pn]

185. Geoffroy Saint-Hilaire, I. Description des mammifères nouveaux ou imparfaitement connus de la collection du Muséum d'Histoire naturelle et remarques sur la classification et les caractères des mammifères. Quatrième mémoire: Famille des singes. Second supplément. *Arch. Mus. Hist. nat. Paris*, 1858-61, 10, 1-102, pls. 1-7.

186. Gervais, P. Chimpanzé (*Troglodytes*). Article in: *Dictionnaire encyclopédique des sciences médicales*, Paris, 1874, Sér. 1, 16, CHI-CHO, 116-126. [Pn]

187. Grant, J. Post mortem examination of a female orang outhang. In a letter addressed by J. Grant, M.D., to the Secretary of the Zoological Society. *Zool. J.*,* 1835, 5, 91-95. [Png]

188. Gratiolet, L. P. & Alix, P. H. E. Recherches sur l'anatomie du *Troglodytes aubryi*, chimpanzé d'une espèce nouvelle. *Nouv. Arch. Mus. Hist. nat., Paris*, 1866, 2, 1-264, pls. 1-9. [Pn]

189. Hartmann, R. Die menschenähnlichen Affen. *Samml. gemeinverst. wiss. Vortr.*, 1876, 11, 245-298. Apart: Berlin: Carl Habel, 1876, 54 pp. [12f: Gr Pn Png Hyl]

190. Hartmann, Robert. *Der Gorilla: zoologisch-zootomische Untersuchungen*. Leipzig: Veit & co., 1880, 160 pp., 21 pls. [13f: Gr Pn Png]

191. Hartmann, Robert. *Die menschenähnlichen Affen und ihre Organisation im Vergleich zur menschlichen*. Leipzig: F. A. Brockhaus, 1883, x, 303 pp. [63f: Gr Pn Png Hyl]
192. Hartmann, Robert. *Les singes anthropoïdes et leur organisation comparée à celle de l'homme*. Paris: Félix Alcan, 1886, 232 pp.
193. Hartmann, Robert. *Anthropoid apes*. London: Kegan Paul, [etc.], 1889, viii, 326 pp.
194. Humphry, [G. M.] On some points in the anatomy of the chimpanzee. *J. Anat., Lond.*, 1867, 1, 254-268, pl. 13. [++ Pn]
- 194a. Huxley, Thomas Henry. *Evidence as to man's place in nature*. London: Williams & Norgate, 1863, 159 pp. [++ 32f: esp. Gr Pn Png Hyl]
- 194b. Huxley, Thomas Henry. *Man's place in nature, and other anthropological essays*. London: Macmillan & co. 1894, xii, 328 pp. [incl. no. 194a]
195. Jeffries, J. Some account of the dissection of a *Simia satyrus*, ourang outang, or wild man of the woods. *Boston J. Philos. Arts.** 1825, 2, 570-580. [Png]
196. Keith, A. An introduction to the study of anthropoid apes.—I. The gorilla. II. The chimpanzee. III. The orang-outang. IV. The gibbon. *Nat. Sci.*,* 1896, 9, 26-37, 250-265, 316-326, 372-379. [330r-annotated bibl.: Gr Pn Png Hyl]
197. Keith, Arthur. *An introduction to the study of the anthropoid apes*. London: Page & Pratt, 1897, 48 pp. [Reprinting of no. 196]
198. Keith, A. On the chimpanzees and their relationship to the gorilla. *Proc. zool. Soc. Lond.*, 1899, 296-312, pl. 20. [t: Pn Gr]
199. Kohlbrügge, J. H. F. Versuch einer Anatomie des Genus *Hylobates*. *Webers Zool. Ergebn. Reise Niederländ. Ost-Ind.*,* 1891, 1, 211-354, pls. 17-19. [24f: Hyl]
200. Mayer, [C.] Zur anatomie des Orang-Utan und des Chimpanse. *Arch. Naturgesch.*, 1856, 22, (1), 281-304. [Pn Png]
201. Meyer, A. B. Über die anthropoiden Affen des Königl. Zoologischen Museums. *Jber. Ges. Naturk. Dresden*, 1876, 144-152. [Gr Pn Png Hyl]
202. Neuville, H. De certains caractères de la forme humaine et de leurs causes. *Anthropologie, Paris*, 1927, 37, 305-328, 491-515. [+++ 2pl-15f: esp. Gr Pn Hyl]
203. Owen, R. On the anatomy of the orang utan (*Simia satyrus*, L.). *Proc. zool. Soc. Lond.*, 1830-31, 4-5, 9-10, 28-29, 67-72. Idem: *Phil. Mag.*, 1831, (2), 9, 55-57, 60-61, 225-226; (2) 10, 61-66. [Png]
204. Owen, [R.] Notes of the dissection of a female orang-utan (*Simia satyrus*, Linn.). *Proc. zool. Soc. Lond.*, 1843, 123-124. [Png]
205. Owen, R. Notes on the dissection of a female chimpanzee (*Troglodytes niger*). *Proc. zool. Soc. Lond.*, 1846, 2-3. [1t: Pn]
206. Owen, R. On the gorilla (*Troglodytes gorilla*, Sav.). *Proc. zool. Soc. Lond.*, 1859, 1-23. *Proc. roy. Inst. Gr. Brit.*, 1858, 3, 10-30; *Ann. Mag. nat. Hist.*, 1859, (3), 4, 377-398. [Gr]
207. Owen, Richard. *On the classification and geographical distribution of the Mammalia* (Lecture on Sir Robert Reade's Foundation). To which is added an appendix: *On the gorilla*, and *On the extinction and transmutation of species*. London: John W. Parker & son, 1859, 103 pp. [Gr Pn Png Hyl]
208. Owen, Richard. *Memoir on the gorilla* (*Troglodytes gorilla*, *Savage*). London: Taylor & Francis, 1865, 58 pp., 12 pls. [Gr]
209. Sandifort, G. Ontleedkundige beschouwing van een' volwassen Orang-oetan (*Simia satyrus*, Linn.) van het mannelijk geslacht. In: *Verhandelingen over de natuurlijke geschiedenis der Nederlandsche overzeesche bezittingen, door de leden der Natuurkundige Commissie in Indië en andere schrijvers*. C. J. Temminck, ed. Leiden: S. Q. S. Luchtmans & C. C. van der Hoek, 1839-44, Zoologie, (Art. 3), 29-56, pls. 1-7 bis. [Png]
210. Sanford, L. J. The gorilla; being a sketch of its history, anatomy, general appearance and habits. *Amer. J. Sci.*, 1862, (2), 33, 48-64. [Gr]
211. Savage, T. S. & Wyman, J. Observations on the external characters and habits of the *Troglodytes niger*, Geoff.—and on its organization. *Boston J. nat. Hist.*, 1843, 4, 362-376; 1844, 377-386. [nt: Pn]
212. Savage, T. S. & Wyman, J. Notice of the external characters and habits of *Troglodytes gorilla*, a new species of orang from the Gaboon River; osteology of the same. *Boston J. nat. Hist.*, 1847, 5, 417-443, pls. 40-43. Extracts: *Amer. J. Sci.*, 1849, (2), 8, 141-142; *Ann. Sci. nat., Zool.*, 1851, (3), 16, 176-182. [1t: Gr]
213. Sera, G. L. La dipendenza della struttura generale anatomica dalle condizioni di vita negli antropomorfi. *Natura, Milano*, 1930, 21, 1-25. [10f-r: Gr Pn Png]
214. Sonntag, C. F. On the anatomy, physiology, and pathology of the chimpanzee. *Proc. zool. Soc. Lond.*, 1923, (1), 323-429, 3 pls. [25f-80r: Pn]
215. Sonntag, C. F. On the anatomy, physiology, and pathology of the orang-utan. *Proc. zool. Soc. Lond.*, 1924, (1), 349-450, 4 pls. [30f-nt-87r: Png]
216. Sperino, Giuseppe. *Anatomia del cimpanzè* (*Anthropopithecus troglodytes*, *Trouessart*) in rapporto con quella degli altri antropoidi e dell'uomo. Torino: Unione tipografica, 1897, 487 pp., 14 pls. [12f-t-nr: Pn]

217. Sutton, J. B. On some points in the anatomy of the chimpanzee (*Anthropopithecus troglodytes*). *J. Anat., Lond.*, 1883, 18, 66-85.

[Pn]

218. Traill, T. S. Observations on the anatomy of the orang outang. *Mem. Werner. nat. Hist. Soc.*,* 1818 [1821], 3, 1-49, pls. 1-2. Abstr.: *J. Phys. Chim. Hist. nat.*,* 1818, 86, 313-314.

[t: Pn]

219. Vallois, H.-V. Les preuves anatomiques de l'origine monophylétique de l'homme. *Anthropologie, Paris*, 1929, 39, 77-101.

[+++ 8f-8t: Gr Pn Pn Hyl]

220. Virchow, H. Anatomische Mitteilungen über den männlichen Schimpansen "Moritz" des Zoologischen Gartens. *Z. Ethn.*, 1916, 48, 264-271.

[3f: Pn C-c]

221. Vrolik, Willem. *Recherches d'anatomie comparée sur le chimpanzé*. Amsterdam: Johannes Müller, 1841, iii, 51 pp., 7 pls.

[Pn]

222. Weinert, Hans. *Ursprung der Menschheit; über den engeren Anschluss des Menschengeschlechts an die Menschenaffen*. Stuttgart: Ferdinand Enke, 1932, xii, 380 pp.

[+ 122f-nt-vnr: Gr Pn Png Hyl]

223. Wormes, Ernestus G. L. *Descriptio physiologico-anatomica cranii simiae satyri. Dissertatio zootomica*. Inaug.-Diss. (Med.) Berlin, 1823, viii, 24 pp., 2 pls.

[Png]

See also: 3948, 3982, 4028 & Tyson, Intr. II; Camper, Intr. III.

CERCOPITHECIDAE

224. Anderson, J. Further remarks on the external characters and anatomy of *Macacus brunneus*. *Proc. zool. Soc. Lond.*, 1872, 203-212, pl. 12.

[4f-1t: Mc]

225. Garrod, A. H. Notes on the anatomy of *Gelada rueppelli*. *Proc. zool. Soc. Lond.*, 1879, 451-457, pl. 38.

[3t: Thr-p]

226. Hartman, Carl G. & Straus, William L., Jr., ed. *The anatomy of the rhesus monkey (Macaca mulatta)*. Baltimore: Williams & Wilkins co., 1933, ix, 383 pp.

[128f-10t-vnr: Mc]

227. Lordat, Jacques. *Observations sur quelques points de l'anatomie du singe vert, et réflexions physiologiques sur le même sujet*. Paris: l'Imprimerie de Feugueray, 1804, 100 pp.

[C-p]

228. Martin, W. Notes on the anatomy of the proboscis monkey (*Simia nasalis*). *Proc. zool. Soc. Lond.*, 1837, 70-73.

[1t: Nas]

229. Murie, J. Observations on the macaques.—I. The Bornean ape. *Proc. zool. Soc. Lond.*, 1872, 721-728.

[5f-1t: Mc]

230. Murie, J. Observations on the macaques.—IV. The Japanese monkey. *Proc. zool. Soc. Lond.*, 1872, 780-787.

[2f-2t: Mc]

231. Owen, R. On the anatomy of *Cercopithecus albogularis*, Sykes. *Proc. zool. Soc. Lond.*, 1832, 18-20.

[C-p]

232. Polak, Clara. Die Anatomie des Genus *Colobus*. *Verh. Akad. Wet., Amst., Sect. 2*, 1908, 14, no. 2, x, 247 pp.

[57f-61r: Clb]

233. Sonntag, C. F. On the anatomy of the drill (*Mandrillus leucophaeus*). *Proc. zool. Soc. Lond.*, 1922, (1), 429-453.

[16f: Mndr]

See also: Bartholinus, de Muralto, Intr. II; Hunauld, Perrault, Intr. III.

CEBIDAE & HAPALIDAE

234. Beattie, J. The anatomy of the common marmoset (*Hapale jacchus* Kuhl). *Proc. zool. Soc. Lond.*, 1927, (2), 593-718, 2 pls.

[39f-nr: Hap]

235. Beddard, F. E. On certain points in the anatomy of *Callithrix torquata*. *Novit. zool.*, 1901, 8, 362-366, pl. 11.

[10r: Cal-c]

236. Beddard, F. E. Notes upon the anatomy of monkeys of the genus *Pithecia*. *Proc. zool. Soc. Lond.*, 1909, (2), 928-943.

[9f-14r: Pith]

237. Böker, H. Beobachtungen und Untersuchungen an Säugtieren während einer biologischen-anatomischen Forschungsreise nach Brasilien im Jahre 1928. *Gegenbaurs Jb.*, 1932, 70, 1-66.

[+ 42f-27r: Chirop Saim Ceb]

Al Hap Leon-c Lm Nyct-c]

238. van den Broek, A. J. P. Enkele anatomische kenmerken van *Ateles* in verband met de anatomie der overige Platyrrhinae. *Hand. ned. nat.- en geneesk. Congr.*, 1905, 10, 240-250.

[1t-nr: Aot Pith Cacaj Saim Ceb Lag]

Brchyt Atl Al Hap]

239. v.d. Broek, A. J. P. Ueber einige anatomische Merkmale von *Ateles*, in Zusammenhang mit der Anatomie der Platyrrhinen. *Anat. Anz.*, 1908, 33, 111-124.

[26r: see 238]

240. Flower, W. H. Notes on the anatomy of *Pithecia monachus* (Geoff.). *Proc. zool. Soc. Lond.*, 1862, 326-333, pl. 37.

[4f-2t: Aot Pith Cacaj Saim Ceb Lag]

Brchyt Atl Al Hap Oed-m]

241. Forbes, W. A. On the external characters and anatomy of the red Uakari monkey (*Brachyurus rubicundus*); with remarks on the other species of that genus. *Proc. zool. Soc. Lond.*, 1880, 627-647, pls. 61-63.

[11f-2t: Cacaj]

242. Weldon, W. F. R. Notes on *Callithrix gigot*. *Proc. zool. Soc. Lond.*, 1884, 6-9.

[6f: Cal-c]

LEMUROIDEA & TARSIOIDEA

243. Allen, H. Observations on *Tarsius fuscus*. *Proc. Acad. nat. Sci., Philad.*, 1897, 34-55.

[5f: Tars]

244. Beddard, F. E. On some points in the structure of *Hapalemur griseus*. *Proc. zool. Soc. Lond.*, 1884, 391-399.

[2f: Hp-l]

245. Beddard, F. E. Additional notes upon *Hapalemur griseus*. *Proc. zool. Soc. Lond.*, 1891, 449-461. [4f: Lm Hp-l Mcr-c Chrg Lor Nyct-c Prdct Glg]

246. Beddard, F. E. Notes on the broad-nosed lemur, *Hapalemur simus*. *Proc. zool. Soc. Lond.*, 1901, (1), 121-129. [5f: Hp-l]

247. Beddard, F. E. Some notes upon the anatomy of *Chiromys madagascariensis*, with references to other lemurs. *Proc. zool. Soc. Lond.*, 1908, (2), 694-702. [4f: Lm Daub]

247a. Brandt, J. F. Einige Worte über die systematische Stellung der Gattung *Cheiomys* oder *Chiromys*. *Bull. Acad. Sci. St. Pétersb.*, 1854, 12, 273-281. [Daub]

248. Burmeister, Hermann. Beiträge zur näheren Kenntniss der Gattung Tarsius. Berlin: Georg Reimer, 1846, x, 140 pp., 7 pls. [Tars]

249. van Campen, F. A. W. [& van der Hoeven, J.] Ontleedkundig onderzoek van den potto van Bosman door F. A. W. Campen, Med. Cand., uit zijn nagelaten aantekeningen bijeengebragt door J. van der Hoeven. *Verh. Akad. Wet., Amst.*, 1859, 7, no. 6, 79 pp., 3 pls. [Prdct]

249a. Hill, W. C. O. A monograph on the genus *Loris*, with an account of the external, cranial, and dental characters of the genus: a revision of the known forms; and a description of a new form from northern Ceylon. *Spolia zeylan.*, 1933, 18, 89-132, pls. 7-11. [8f-7t-nr: Lor]

249b. Hill, W. C. O. A monograph on the purple-faced leaf-monkeys, (*Pithecus vetulus*). *Spolia zeylan.*, 1934, 19, 23-88, pls. 4-9. [7f-11t-nr: Prsb]

250. Hill, W. C. O. The affinities of the Lorisoids. *Spolia zeylan.*, 1936, 19, 287-314. [nr: Lor Nyct-c Prdct Arct-c Tars]

251. van der Hoeven, J. Bijdragen tot de kennis van de Lemuridae of Prosimii. *Tijdschr. nat. Gesch. Physiol.*, 1844, 11, 1-48, 3 pls. Apart: Leyden: J. Luchtmans, 1844, 2 pls. [Lm Hp-l Chrg Avh Indr Lor Nyct-c Prdct Glg Daub Tars]

252. van der Hoeven, J. Bijdrage tot de kennis van den potto van Bosman. *Verh. eerste Kl. Ned. Inst. Wet., Amst.*,* 1851, (3), 4, 1-12, 2 pls. [Prdct]

253. Huxley, T. H. On the Angwántibo (*Arctocebus calabarensis*, Gray) of Old Calabar. *Proc. zool. Soc. Lond.*, 1864, 314-335, pl. 28. [12f-1t: Arct-c]

254. Kingma, Paulus Hoekema. Eenige vergelijkend-ontleedkundige aantekeningen over den Otolicnus peli. *Acad. Proev. (Med.) Leyden*: P. Engels, 1855, x, 57 pp., 2 pls. [Glg]

255. Lattke, Carolus Josephus Gustavus. *De lemure nigrifronte Geoffr. Pars i sectio i*. Inaug.-Diss. (Med.) Viadrina. Vratislaviae: Eduard Klein, 1850, 30 pp., 1 pl. [Lm]

256. Milne Edwards, Alphonse, Grandidier, Alfred, [& Filhol, H.] *Histoire naturelle des mammifères*. Volumes VI, IX, X & X—2e partie, of *Histoire physique, naturelle et politique de Madagascar*, publiée par Alfred Grandidier. Paris: Imprimerie nationale, 1875, Tome I—Texte I, iv, 396 pp.; 1875, Tome IV—Atlas I, 1-122 pls.; 1890-1896, Tome V—Atlas II, pls. 122A-122Z and pls. 123-254D; 1897 Tome VI—Atlas III, pls. 255-274. [Pr-p Avh Indr]

257. Nayak, Ullal Venkatraya. *A comparative study of the Lorissinae and Galaginae*. Ph.D. thesis: University of London, 1933, Part 1. 265 pp., pls. Part 2. The histological localisation of the motor and visual areas in the brain of *Perodicticus potto*. 29 pp., 8 pls. [Lor Prdct Glg Daub]

258. Oudemans, J. T. Beiträge zur Kenntniss des *Chiromys madagascariensis* Cuv. *Verh. Akad. Wet., Amst.*, 1888 [1890], 27, no. 2, 32 pp., 3 pls. [Daub]

259. Oustalet, E. Singes. Faux-singes ou lé-muriens. Article in the: *Dictionnaire encyclopédique des sciences médicales*, Paris, 1881, Sér. 3, 9, SÉP-SIR, 744-774. [vnr]

260. Owen, [R.] On the aye-aye (*Chiromys*, Cuvier; *Chiromys madagascariensis*, Desm; *Sciurus madagascariensis*, Gmel., Sonnerat; *Lemur psilodactylus*, Schreber, Shaw). *Trans. zool. Soc. Lond.*, 1862 [1866], 5, 33-101, pls. 14-26. [2t: Daub]

261. Peters, W. [C. H.] Über die Säugethiergattung *Chiromys* (Aye-Aye). *Abh. preuss. Akad. Wiss., Physik. Abh.* 1865 [1866], 79-100, 4 pls. Abstr.: *Mber preuss. Akad. Wiss.*, 1865, 221-222. [Daub]

262. Schroeder van der Kolk, J. L. C. Bijdrage tot de anatomie van *Stenops kukang* (*Nycticebus javanicus*). *Tijdschr. nat. Gesch. Physiol.*, 1841, 8, 227-336, pl. 5. [Nyct-c]

263. Schroeder van der Kolk, J. L. C. *Bijdrage tot anatomie van den Stenops kukang* (*Nycticebus javanicus*), benevens een naschrift over de tot het geslacht *Stenops* behoorende soorten door, J. van der Hoeven. Leyden: Luchtmans, 1841, 3 pls.

264. Schroeder van der Kolk, J. L. C. Antwoord op eenige aanmerkingen, welke op deszelfs bijdrage tot de anatomie van den *Stenops kukang*, door den Hoogleraar W. Vrolik gemaakt zyn. *Tijdschr. nat. Gesch. Physiol.*, 1844, 11, 123-156, pl. 5. [Nyct-c]

265. Schroeder van der Kolk, J. L. C. & Vrolik, W. Recherches d'anatomie comparée sur le genre *Stenops* d'Illiger. *Bijdr. Dierk.* 1851, 1, aflev. 2, 29-52, 2 pls. [Lor Nyct-c]

266. Smith, J. A. Notice of the "Angwántibo" of Old Calabar, Africa; an animal belonging to the family Lemurina; and apparently to the genus *Perodicticus*, of Bennet. *Proc. R. phys. Soc. Edinb.*, 1860, 2, 172-192, pl. 8; *Edinb. New phil. J.*, 1862, 15, 257-277. [6f: Arct-c]

267. Straus, W. L., Jr. & Wislocki, G. B. On certain similarities between sloths and slow lemurs. *Bull. Mus. comp. Zool. Harv.*, 1932, **74**, 43-56.

[++ Lm Lp-l Hp-l Mcr-c
Chrg Pr-p Avh Indr Lor Nyct-c Prdet
Glg Daub Tars]

268. Vrolik, W. Recherches d'anatomie comparée sur le genre *Stenops* d'Illiger. *Verh. Ned. Inst. Wet., Amst.*, 1844, **10**, 75-112, 3 pls.

[Nyct-c]

269. Woodward, A. S., Smith, G. Elliot, Hill, J. P., Wood-Jones, F., Pocock, R. I., Cunningham, J. T., Mitchell, P. C. & MacBride, E. W. Discussion on the zoological position and affinities of *Tarsius*. *Proc. zool. Soc. Lond.*, 1919 [1920], (2), 465-498, 1 pl.

[5f-1t-nr: Tars]

270. Woollard, H. H. The anatomy of *Tarsius spectrum*. *Proc. zool. Soc. Lond.*, 1925, (2), 1071-1184.

[53f-nr: Tars]

271. Zuckerkandl, E. Zur Anatomie von *Chiromys madagascarensis*. *Denkschr. Akad. Wiss. Wien.*, 1900, **68**, 89-200, 10 pls.

[9f: Daub]

See also: 176, 278a, 3982 & Sonnerat, Intr. III.

SPECIAL MORPHOLOGY: REGIONAL ANATOMY

THORACIC, ABDOMINAL & PELVIC CAVITIES

272. Anthony, R. Mémoire sur les organes viscéraux d'un jeune orang-outan femelle. *Bull. Soc. Anthropol. Paris*, 1898, (4), **9**, 246-270.

[9f: Png]

273. Anthony, R. Note sur les organes viscéraux d'un jeune orang-outan femelle. *Rev. Éc. Anthropol. Paris*, 1898, **8**, 255-258.

[3f: Png]

274. von Bischoff, T. L. W. Untersuchung der Eingeweide und des Gehirns des im Winter 1875 in Dresden verstorbenen Chimpanse-Weibchen. *Mitt. zool. Mus. Dresden*, 1877, (2), 251-260.

[Pn]

275. Bradley, O. C. On the abdominal viscera of *Cercocebus fuliginosus* and *Lagothrix humboldti*. *Proc. roy. Soc. Edinb.*, 1902-03, **24**, 505-543, 3 pls.

[6f-t-33r: C-c Lag]

276. Cavanna, G. Sulla splanchnologia di un *Troglodites niger*. *Arch. Anthropol. Etnol.*, 1875, **5**, 210-215.

[Pn]

277. Chudzinski, [T.] Quelques observations sur la splanchnologie d'un orang-outang, bicolore, adulte mâle, mort au Jardin d'Acclimatation en 1879. *Bull. Soc. Anthropol. Paris*, 1881, (3), **4**, 19-24.

[Png]

278. Duckworth, W. L. H. & Elliott, T. R. Note on the pelvic and abdominal organs and anatomy of *Galago garnetti* (Lemuroidea). *Stud. anthrop. Lab., Anat. Sch.*, Cambridge,* 1904, 54-60.

[5f: Glg]

278a. Flower, W. H. Notes on the dissection of a species of *Galago*. *Proc. zool. Soc. Lond.*, 1852, **20**, 73-75.

[Glg]

279. Flower, W. H. Lectures on the comparative anatomy of the organs of digestion of the Mammalia. *Med. Times, Lond.*, 1872, (1), 215-219, 291-294, 335-337, 392-394, 451-453, 507-509, 561-564, 621-622, 678-680.

[++ 5f: Prsb Nas Clb C-p C-c Mc
Pp Pith Ceb Atl Al Hap Oed-m]

280. Harrower, G. *Nycticebus malaianus* Anderson. A dissection of the abdomino-pelvic viscera. *Spolia zeylan.*, 1933, **18**, 73-87, pl. 6.

[9f: Nyct-c]

281. Holberton, T. H. & Yarrel, W. Notes on the internal appearance of several animals examined after death, in the collection of the Zoological Society. *Zool. J.*,* 1829-30, **5**, 14-18.

[++ Hyl C-p Ceb]

282. Huntington, George S. *The anatomy of the human peritoneum and abdominal cavity considered from the standpoint of development and comparative anatomy*. Philadelphia and New York: Lea Brothers & co., 1903, vii, 292 pp., 300 pls.

[+ Gr Pn Png Hyl C-p Mc

Pp Aot Pith Saim Ceb Lag Atl Al
Hap Myst Lm Nyct-c Glg Tars]

283. Kohlbrugge, J. H. F. Mittheilungen über die Länge und Schwere einiger Organe bei Primaten. *Z. Morph. Anthropol.*, 1900, **2**, 43-55.

[+++ 6t: Prsb]

283a.* Kudō, T. (Über die Variationen der Eingeweideorgane bei Feten und Erwachsenen sowie bei Primaten.) *Hoku-Etsu Ig. Kw. Z.*, Niigata,* 1922, **37**, 35-82, 465-501. Abstr.: *Jap. J. med. Sci.*, 1925, **2**, no. 2, 85-86, 4 tbls.

[Jap: Mc]

284. Kuhl, Heinrich [& van Hasselt]. *Beiträge zur Zoologie und vergleichenden Anatomie*. Frankfurt: Verlag der Hermannschen Buchhandlung, 1820, Abt. 1. [by Kuhl] 151 pp., Abt. 2. [by van Hasselt & H. Kuhl] 212 pp., 11 pls.

[C-p Atl Lor Glg]

285. Luzj, F. Sul sistema digerente di un *Cynocephalus hamadryas*. *Boll. Soc. romana Studi zool.*,* 1895, **4**, 183-191, 2 pls.

[nr: Pp]

286. Martin, W. On the anatomy of the ruffed lemur (*Lemur macaco*, L.). *Proc. zool. Soc. Lond.*, 1830, 58-59.

[Lm]

287. Martin, W. Notes of the dissection of a slender loris (*Loris gracilis*, Geoffr.). *Proc. zool. Soc. Lond.*, 1833, 22-24.

[Lor]

288. Martin, W. Notes of the dissection of a squirrel monkey (*Callithrix sciureus*, Geoffr.). *Proc. zool. Soc. Lond.*, 1833, 88-90.

[Saim]

289. Murie, J. Notes on a spider monkey (*Ateles cucullatus*, Gray) lately living in the Society's menagerie. *Proc. zool. Soc. Lond.*, 1865, 739-740.

[1t: Atl]

290. Patten, C. J. The form and position of the thoracic and abdominal viscera of the ruffed lemur (*Lemur varius*). *Trans. R. Acad. Med. Ire.*, 1899, **17**, 562-677, 4 pls.

[Lm]

291. Patten, C. J. The form and position of the thoracic and abdominal viscera of the ruffed lemur (*Lemur varius*). *Trans. R. Acad. Med. Ire.*, 1902, 20, 441-473, 5 pls. [Lm]

292. Roegholt, Murco Nicolaas. *De topographie van thorax en abdomen van chimpansé, Semnopithecus melalophus en Macacus cynomolgus, vergeleken met die van den Mensch.* Acad. proefschr. (Geneesk.) Leiden, E. J. Brill, 1917, viii, 173 pp., Platen-Atlas 42 pls. [+++ 12f-52r: Pn Prsb Mc]

293. Ruge, G. Der Verkürzungsprocess am Rumpfe von Halbaffen. Eine vergleichend-anatomische Untersuchung. *Morph. Jb.*, 1892, 18, 185-326, pls. 7-10. [8f-39t-35r: Lm Avh Lor Nyct-c Prdct Glg Daub Tars]

294. Ruge, G. Die Grenzlinien der Pleurasäcke und die Lagerung des Herzens bei Primaten, insbesondere bei den Anthropoiden. Zeugnisse für die metamere Verkürzung des Rumpfes. *Morph. Jb.*, 1892, 19, 149-249. [40f: Gr Pn Png Hyl Symph Prsb Mc Mndr Atl Nyct-c Daub]

295. Schreiber, H. Der Bauchraum der Primaten. 1. Mitteilung zu: Bauchraum und Baucheingeweide der Primaten. *Gegenbaurs Jb.*, 1931, 67, 621-676. [26f: Pn Symph C-p Mc Pp]

296. Schreiber, H. Die Bauchorgane der Primaten. 2. Mitteilung zu: Bauchraum und Baucheingeweide der Primaten. *Gegenbaurs Jb.*, 1932, 69, 221-315. [46f-107r: Pn Symph C-p Mc Pp]

297. Schreiber, H. Formänderungen des Bauchraumes unter dem Einfluss verschiedenster Stellungen des Körpers. 3. Mitteilung zu: Bauchraum und Baucheingeweide der Primaten. *Gegenbaurs Jb.*, 1934, 73, 469-522. [36f: Mc Pp]

298. Straus, W. L., Jr. The thoracic and abdominal viscera of primates, with special reference to the orang-utan. *Proc. Amer. phil. Soc.*, 1936, 76, 1-85. [16f-1t-nr: Png Primates]

299. Straus, W. L., Jr. The visceral anatomy of an infant chimpanzee. *J. Mammal.*, 1937, 18, 501-507. [Pn]

300. Symington, J. On the viscera of a female chimpanzee. *Proc. R. phys. Soc. Edinb.*, 1890, 10, 297-312. [3f-r: Pn]

See also: 171, 176, 177, 200, 221, 286, 287, 537, 538, 539, 828, 1614, 1838 & Camper, Intr. III.

Regional Anatomy

UPPER EXTREMITY

301. Blake, C. C. On the syndactylous condition of the hand in man and the anthropoid apes. *Anthrop. Rev., Lond.*,* 1863, 1, 401-402. [++ Gr]

302. Bolau, H. Ueber den Orang-Utan des Zoologischen Gartens in Hamburg. (Polydactylie, Lähmung einer hintern Extremität.) *Verh. naturw. Ver. Hamb.*, 1878 [1879], n.f., 3, 119-121. [Png]

303. Cattaneo, G. Note anatomiche sull' *Ateles paniscus*. *Boll. Mus. Zool. Anat. comp. Genova*, 1899, 4, no. 83, 8 pp., 1 pl. [Atl]

304. Cattaneo, G. Di un organo rudimentale e di un altro ipertrofico in un primate (*Ateles*). *Riv. Sci. biol.*, 1899, 1, 570-585, pl. 5. [1f-nr: Atl]

305. Chaîne, J. Présence d'un pouce rudimentaire chez un atèle métis (*Ateles hybridus*, Geoff.). *P. V. Soc. Sci. phys. nat. Bordeaux*, 1919 [1920], 47-48. [Atl]

306. Elze, C. Ueber die Gelenkhöhle am distalen Ende des Daumenrudimentes von *Ateles ater*. Vorläufige Mitteilung. *Anat. Anz.*, 1910, 37, 543-544. [Atl]

307. Fitzwilliams, D. C. L. Function and form with reference to the hand and foot in man and apes. *Ann. Mag. Nat. Hist.*, 1907, (7), 20, 155-161, pl. 5. [+++ Hyl]

308. Forbes, W. A. Note on an abnormal specimen of *Pithecia satanas*. *Proc. zool. Soc. Lond.*, 1882, 442. [Chirop]

309. Friedlowsky, A. Ueber eine missbildete Affenhand. *Verh. zool.-bot. Ges. Wein*, 1870, 20, 1017-1026, pl. 15. [Mc]

309a. Kuhlmann, Bernhard. *Die Achselhöhle des Schimpanse*. Inaug.-Diss. (Med.) Münster, G. A. Hülswitt, 1935, 74 pp., 2 pls. [4f-vnr: Pn]

310. Ogilby, W. Observations on the opposable power of the thumb in certain mammals, considered as a zoological character: and on the natural affinities which subsist between the *Bimana*, *Quadrumana*, and *Pedimana*. *Proc. zool. Soc. Lond.*, 1836, 25-28. [+++ Aot Pith Ceb Lag Atl Al Hap]

310a. Pearson, K. On the existence of the digital deformity—so-called "lobster claw"—in the apes. *Ann. Eugen., Camb.*, 1931, 4, 339-340, 10 pls. [+++ Pn Mc]

See also: 95, 144, 236, 243, 327, 368, 745, 1448, 1795a, 3924, 3956, 3957, 3959, 3989.

Regional Anatomy

LOWER EXTREMITY

311. Elftman, H. & Manter, J. Chimpanzee and human feet in bipedal walking. *Amer. J. phys. Anthropol.*, 1935, 20, 69-79. [+++ 6f: Pn]

312. Embleton, [D.] The anatomy of a young chimpanzee. *Anthrop. Rev., Lond.*,* 1863, 1, 394-400. [Abstr.: Pn]

313. **Gidley, J. W.** Significance of divergence of the first digit in the primitive mammalian foot. *J. Wash. Acad. Sci.*, 1919, 9, 273-280. [++]

314. **Goldschmidt, W.** Ueber einen Fall von Spaltfussbildung bei *Anthropopithecus troglodytes*. *Anat. Anz.*, 1910, 37, 246-249. [2f: Pn]

315. **Harwood, J.** An account of a pair of hinder hands of an orang outang, deposited in the collection of the Trinity-House, Hull. *Trans. Linn. Soc. Lond., Zool.*, 1827, 15, 471-478. [Png]

316. **Keith, A.** The history of the human foot and its bearing on orthopaedic practice. *J. Bone Jt. Surg.*, 1929, 11, 10-32. [++ 12f: Gr Pn Png Hyl Prsb Mc]

317. **Kohlbrugge, & Retterer, É.** Du pied et du long péronier latéral d'un orang-outang adulte. *C. R. Soc. Biol., Paris*, 1912, 72, 256-257. [Png]

318. **Lachmann, O.** Zur topographischen Anatomie der Hintergliedmasse des *Hamadryas Pavians*. *Z. Morph. Anthrop.*, 1938, 37, 189-217. [8f-r: Pp]

319. **Retterer, É. & Lelièvre, A.** Du pied et du tendon du long péronier latéral d'un jeune orang-outang. *C. R. Soc. Biol., Paris*, 1912, 72, 237-240. [Png]

320. **Wells, L. H.** The foot of the South African native. *Amer. J. phys. Anthrop.*, 1931, 15, 185-289. [+ 12f-nr: Gr Pp]

321. **Williams, G. A.** Atavistic human foot. Its developmental significance. *Amer. J. phys. Anthrop.*, 1931, 16, 1-14. [++ 8f-r]

See also: 310a, 236, 243, 990, 993, 1708, 1709, 3924, 3956, 3957, 3959, 3983, 3989.

SPECIAL MORPHOLOGY: EXTERNAL ANATOMY

322. **Alix, [E.]** Tête de gorille. *Bull. Soc. Anthrop. Paris.*, 1869, (2), 4, p. 10. [Gr]

323. **de Beaux, O.** Contributo allo studio delle platirrine *Cebus* e *Ateles*—forma esterna. *Atti Soc. ital. Sci. nat.*, 1919, 58, 259-288, pl. 8. [2t-nr: Ceb Atl]

324. **de Beaux, O.** Appunti su di un gelada in carne. *G. Morf.*, 1926, 4, 121-125. [13f: Thr-p]

325. **Brandes, G.** Die Backenwülste des Orang-Mannes. *Zool. Gart., Lpz.*, 1929, n.f., 1, 365-368. [6f: Png]

326. **Brandes, G.** Die Veränderungen des Orangkindes. *Zool. Gart., Lpz.*, 1930, n.f., 3, 286-289. [7f: Png]

327. **Friedenthal, H.** Sonderformen der menschlichen Leibesbildung. Ein Beitrag zur vergleichenden Formenlehre der menschlichen Gestalt. *Beitr. Naturg. Mensch.*, 1910, 5, 100 pp., pls. 44-58. [+ 57f: Gr Pn Hyl Symph C-p Mc Pp Atl Hap Lm Indr Lor Nyct-c Tars]

328. **Geoffroy-Saint-Hilaire, I.** Remarques sur la conformation générale de la tête et sur l'encéphale chez les singes. *Gaz. med. Paris*, 1843, (2), 11, 375-377. [Png Prsb C-p Mc Pp Saim Ceb Atl Al]

329. **Geoffroy-Saint-Hilaire, I.** Note sur le gorille. *Ann. Sci. nat., Zool.*, 1851, (3), 16, 154-158, pl. 7. [Gr]

330. **Owen, R.** Contributions to the natural history of the anthropoid apes. No. VIII. On the external characters of the gorilla (*Troglodytes gorilla* Sav.). *Trans. zool. Soc. Lond.*, 1859 [1866], 5, 243-284, pls. 43-49. [Gr †††]

331. **Pocock, R. I.** On the external characters of the lemurs and of *Tarsius*. *Proc. zool. Soc. Lond.*, 1918, (1), 19-53. [16f: Lm Chrg Nyct-c Prdct Glg Daub Tars]

332. **Pocock, R. I.** On the external characters of the South American monkeys. *Proc. zool. Soc. Lond.*, 1920, (1), 91-113. [13f: Aot Cal-c Cacaj Saim Ceb Lag Atl Al Cal-mc Hap Myst Oed-m Leon-c]

333. **Pocock, R. I.** Additional notes on the external characters of some platyrrhine monkeys. *Proc. zool. Soc. Lond.*, 1925, (1), 27-47. [7f: Cal-c Pith Chirop Cacaj Brchyt Atl Al]

334. **Pocock, R. I.** The external characters of the catarrhine monkeys and apes. *Proc. zool. Soc. Lond.*, 1925 [1926], (2), 1479-1579.

[51f: Gr Pn Png Hyl Symph Prsb Rhn-p Nas Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Mndr]

335. **Pocock, R. I.** The external characters of a female red colobus monkey (*Procolobus badius waldroni*). *Proc. zool. Soc. Lond.*, 1935 [1936], (2), 939-944. [2f: Clb]

336. **Virchow, H.** Kopf des Schimpansen "Chica." *Z. Ethn.*, 1922, 54, 151-153. [Pn]

337. **Virchow, H.** [Kopf des Schimpansen "Grande."] *Z. Ethn.*, 1922, 54, 195-197. [Pn]

See also: 144, 170, 172, 177, 188, 218, 249a, 1645, 1646, 1727, 1776, 1777, 1778, 3609, 3917, 4049.

DIMENSIONS & PROPORTIONS

338. **Ashley-Montagu, F. M.** On the primate thumb. *Amer. J. phys. Anthrop.*, 1931, 15, 291-314. [t: Gr Pn Png Hyl Prsb C-p C-c Mc Pp Thr-p Cal-c Pith Chirop Saim Ceb Lag Al Hap Lm Lp-l Lor Prdct]

339. **v. Bardeleben, K.** Ueber bilaterale Asymmetrie beim Menschen und bei höheren Tieren. *Anat. Anz.*, 1909, 34, ErgH., 2-72. [++ 2f-150r: Gr Pn Png Hyl C-p]

340. **Bert, P.** Mesures prises sur un jeune gorille en chair conservé dans le tafia depuis plusieurs années. *Mém. Soc. Sci. phys. nat. Bordeaux*, 1870, 8, 281-290. [nt: Gr]

341. Davenport, C. B. Variations in proportions among mammals, with special reference to man. *J. Mammal.*, 1935, 16, 291-296.
[+ 3f-4t: Gr Pn Png Hyl Tars]

342. Féré, C. Notes sur les mains et les empreintes digitales de quelques singes. *J. Anat.*, Paris, 1900, 36, 255-267, pls. 9-11. [5f-5t-nr:
Pn Png C-p Ery-c C-c Mc Pp ?Mndr
Saim Ceb Atl Hap Lm]

343. Fick, R. Massverhältnisse an den oberen Gliedmassen des Menschen und den Gliedmassen der Menschenaffen. *S.B. preuss. Akad. Wiss.*, 1926, 417-451. [++ 7f-11t: Gr Pn Png]

344. Fick, R. Ueber die Körpermasse und den Kehlsack eines erwachsenen Orang. *Z. Säugetierk.*, 1929, 4, 65-80, pls. 3-7. [1t: Png]

345. Freudenberg, W. Zur Frage der Rechst-händigkeit des Menschen und der Gliedmassen-asymmetrie der Primaten. *Z. Säugetierk.*, 1929, 4, 36-46, pl. 1. [6f: Gr Pn Png Hyl C-p-id Lm-oid]

346. Gray, J. E. On the height of the gorilla. *Ann. Mag. nat. Hist.*, 1861, (3), 8, 349-350. [1t: Gr]

347. Midlo, C. Form of hand and foot in primates. *Amer. J. phys. Anthrop.*, 1934, 19, 337-389. [6lf-3t-r: Gr Pn Png Hyl
Symph Prsb Nas C-p Ery-c C-c Mc
Pp Aot Saim Ceb Lag Atl Al Hap
Myst Oed-m Lm Nyct-c Prdct Glg Tars]

348. Mollison, [T.] Rechts und Links in der Primatenreihe. *KorrespBl. dtsh. Ges. Anthrop.*, 1908, 39, 112-115. [15f-1t: Gr Pn Png
Hyl C-p Mc Lm-oid]

349. Mollison, T. Die Körperproportionen der Primaten. *Gegenbaurs Jb.*, 1910, 42, 79-304. [9lf-unt-nr: Gr Pn Png Hyl Symph
Prsb Nas Clb C-p Ery-c C-c Mc Cyn-p
Thr-p Pp Mndr Aot Pith Chirp Saim
Ceb Atl Al Hap Myst Oed-m Leon-c
Lm Chrg Pr-p Avh Indr Lor Nyct-c
Prdct Glg Daub]

350. Oppenheim, Stefanie. Die Schimpansin Basso im Zoologischen Garten zu Frankfurt a.M. *Naturw. Wschr.*, 1916, n.f., 15, 705-711. [5f-3t-r: Pn]

351. Retterer, É. & Neuville, H. Des proportions de la main de quelques singes. *C. R. Soc. Biol.*, Paris, 1918, 81, 933-936. [2t: Pn
Prsb Clb C-p C-c Mc Pp]

352. Rollet, E. Les os longs des grands singes. *C. R. Acad. Sci.*, Paris, 1889, 109, 75-78. [3t: Gr Pn Png]

353. Schlaginhaufen, O. Die Körpermasse und der äussere Habitus eines jungen weiblichen Schimpansen. *Abh. zool.-anthrop.-ethn. Mus. Dresden*, 1907, 11, no. 4, 17 pp., 1 pl. [14f-18t-nr: Pn]

354. Schultz, A. H. The technique of measuring the outer body of human fetuses and of primates in general. *Contr. Embryol. Carneg. Instn.*, 1929, 20, 213-257. [+ 12f-t-r]

355. Schultz, A. H. Die Körperproportionen der erwachsenen catarrhinen Primaten, mit spezieller Berücksichtigung der Menschenaffen. *Anthrop. Anz.*, 1933, 10, 154-185, pl. 1, 6 tbls. [4f-unt-nr: Gr Pn Png Hyl Symph Prsb
Nas Clb C-p Ery-c C-c Mc Pp]

356. Wermel, J. Über die Körperproportionen der Wirbeltiere und ihre funktionelle Bedeutung. Biometrische Übungen. *Z. Anat. EntwGesch.*, 1934, 102, 572-583. [+ 4t: Gr Pn Png
Mc Pp Ceb Lm Lor Prdct Daub Tars]

See also: 163, 164, 180, 182, 183, 184, 185, 237, 267, 323, 371, 803, 812, 813, 813a, 814, 886, 977, 985, 1060g, 1060h, 1084, 1095, 1775a, 1798, 1956, 2473, 2476, 2477, 2907, 3426, 3551, 3986, 4028.

DEVELOPMENTAL ANATOMY: POSTNATAL GROWTH & AGE CHANGES

357. Bingham, H. C. Observations on growth and development of chimpanzees. *Amer. J. phys. Anthrop.*, 1929, 13, 433-468. [18f-5t: Pn]

358. Brandes, G. Wichtige Daten über das Heranwachsen des Gorilla. *Zool. Gart., Lpz.*, 1930, n.f., 3, 104-116. [13f-nt: Gr]

359. Brandes, G. Noch einmal zum Heranwachsen des Gorilla. *Zool. Gart., Lpz.*, 1930, n.f., 3, 222-223. [Gr]

360. Brandes, G. Nochmals über das Wachstum des Gorilla. *Zool. Gart., Lpz.*, 1930, n.f., 3, 315-318. [2f: Gr]

361. Brandes, G. Des Heranwachsen des Schimpansen. *Zool. Gart., Lpz.*, 1931, n.f., 4, 115-132. [19f-nt: Pn]

362. Brandes, G. Das Wachstum der Menschenaffen im Vergleich zu dem des Menschen in Kurven dargestellt. *Zool. Gart., Lpz.*, 1931, n.f., 4, 339-347. [4f: Gr Pn Png]

363. Coupin, F. La croissance chez les anthropoïdes et chez l'homme. *Rev. Sci.*, Paris, 1928, 66, 726-732. [+++ 6f: Gr Pn]

364. Friedenthal, Hans. *Allgemeine und spezielle Physiologie des Menschenwachstums für Anthropologen, Physiologen, Anatomen und Ärzte dargestellt.* Berlin: Julius Springer, 1914, ix, 161 pp., 3 pls. [+ 34f-16t-unnr: Gr Pn]

365. Grabowsky, F. Beitrag zur Biologie des Gorilla. *Jena. Z. Naturw.*, 1906, 41, 608-611, pl. 30. [2t: Gr]

366. Huxley, J. S. The growth of the infant chimpanzee born in the Society's Gardens, and a comparison with that of a chimpanzee born in Florida. *Proc. zool. Soc. Lond.*, 1936, (1), 587-589. [1f-2t: Pn]

367. Noback, C. V. Growth of infant female gorilla. *Amer. J. phys. Anthrop.*, 1930, **14**, 165-176. [8f-2t: Gr]

368. Schultz, A. H. Growth studies on primates bearing upon man's evolution. *Amer. J. phys. Anthrop.*, 1924, **7**, 149-164, 4 pls. [+++ 7t: Pn Png Hyl Clb C-p Mc Pp Ceb Al Lm]

369. Schultz, A. H. Studies on the growth of gorilla and of other higher primates with special reference to a fetus of gorilla, preserved in the Carnegie Museum. *Mem. Carneg. Mus.*, 1927, **11**, 1-86, pls. 1-8. [6f-10t-nr: Gr Pn Png Hyl]

370. Schultz, A. H. Notes on the growth of anthropoid apes, with especial reference to deciduous dentition. *Rep. Lab. Mus. zool. Soc., Philad.*, 1930, **58**, 34-45. [2t: Gr Pn Png]

371. Schultz, A. H. Die Körperproportionen der afrikanischen Menschenaffen im foetalen und im erwachsenen Zustand. *Festschr. von J. Ulrich Duerst, Bern*, 1936, 284-302, 1 pl. [7t: Gr Pn]

372. Spence, K. W. & Yerkes, R. M. Weight, growth and age in chimpanzee. *Amer. J. phys. Anthrop.*, 1937, **22**, 229-246. [8t-4f-20r: Pn]

373. Vallois, H.-V. La croissance de la main chez le chimpanzé. *C. R. Soc. Biol., Paris*, 1932, **110**, 915-917. [1t: Pn]

374. Vanderplank, F. L. Growth and dentition of an infant chimpanzee at the Bristol zoo. *Proc. zool. Soc. Lond.*, 1937, **B, 107**, 175-176. [2t: Pn]

See also: 164, 226, 350, 813, 908, 986, 1985, 2907, 3426, 3551, 3768, 3903, 4054.

TERATOLOGY

375. Bolk, L. Die Doppelbildung eines Affen. *Beitr. path. Anat.*, 1926, **76**, 238-253, pl. 8. [3f: Mc]

See also: 301, 302, 308, 309, 310a, 345, 352, 862, 919, 1084, 1448, 1853, 1854, 1943, 1944.

The Circulatory & Lymphatic Systems

GENERAL MORPHOLOGY

Comprehensive & General Studies

376. **Barkow, Hans Carl Leopold.** *Disquisitiones circa originem et decursum arteriarum mammalium.* Lipsiae: Leopoldi Vossii, 1829, viii, 114 pp., 4 pls. [+ C-p]

377. **Barkow, Hans Carl Leopold.** Die Blutgefäße vorzüglich die Schlagadern der Säugethiere in ihren wesentlichsten Verschiedenheiten. *Comparative Morphologie des Menschen und der menschenähnlichen Thiere. Vierter Theil.* Breslau: Ferdinand Hirt, 1866, xi, 93 pp., 46 pls.

378. **Eisler, Paul.** *Das Gefäß- und periphere Nervensystem des Gorilla. Eine vergleichend anatomische Untersuchung.* Halle: Tausch & Grosse, 1890, 78 pp., 9 pls. Abstr.: *J. comp. Neurol.*, 1891, 1, iv-vi. [Gr]

379. **Ficalbi, E.** Contribuzione alla conoscenza della angiologia delle Scimmie. *Atti Accad. Fisiocr. Siena*, 1889, (4), 1, 425-456, pl. 6. [Prsb C-p Mc Cyn-p Pp Ceb Atl]

380. **Glidden, Evelyn M. & De Garis, C. F.** Arteries of the chimpanzee (*Pan spec.?*). I. The aortic arch; II. Arteries of the upper extremity; III. The descending aorta; IV. Arteries of the lower extremity. *Amer. J. Anat.*, 1936, 58, 501-527. [7f-nr: Pn]

381. **Leche, W.** Säugethiere:Mammalia. Das Gefäßsystem. *Bronn's Klassen Ordn. Thier-Reichs*, 1900, Bd. 6, Abt 5, Bd. 1, 1171-1212, pls. 122-125. [+ 22f-78r]

382. **Parsons, F. G.** On the blood vessels of mammals in relation to those of man. *Lancet*, 1902, (1), 651-653. [++ 1f-Lecture]

383. **Popovski, Ivan Stepanovich.** Arterialnaya sistema u obezyan sravnitelno s raspolozheniyem yeya u chlovieka. [Arterial system in the monkey compared with its arrangement in man.] *Izv. imp. Tomsk. Univ.*,* 1895, 8, 1-152. Apart: Tomsk: P. I. Makushin, 1894, 152 pp. [17f-Russ.-cf. no. 433: Png Prsb Aot Ceb Atl Hap]

384. **Rojecki, F.** Sur la circulation artérielle chez le *Macacus cynomolgus* et le *Macacus sinicus* comparée a celle des singes anthropomorphes et de l'homme. *J. Anat., Paris*, 1889, 25, 343-386, 513-561, pls. 16-17. [3f-9r: Mc]

385. **Stahl, Heinrich.** *Ueber die Arterien des Cercopithecus fuliginosus.* Diss. Rostock, J. M. Oeberg, 1839, 34 pp. [C-c]

386. **Subba Rau, A. S. & Krishna Rao, P.** Contributions to our knowledge of the anatomy of the Lemuroidea. I. Arterial system of *Loris lydekerianus*. *Half-yrly J. Mysore Univ.*, 1930, 4, 90-121. [16f-14r: Lor]

387. **Theile, W.** Ueber das Arteriensystem von *Simia inuus*. *Arch. Anat. Physiol. wiss. Med.*,* 1852, 419-449, pl. 11. [Mc]

See also: 144, 198, 221, 236, 247, 274.

DIMENSIONS, WEIGHTS, &c.

See also: 279, 395, 396, 397, 398, 463a, 1956.

HISTOLOGY

See also: 389.

EMBRYOLOGY

See also: 406, 407, 2002.

ANOMALIES

See also: 390, 392, 441.

HEART & PERICARDIUM

(incl. coronary vessels)

388. **Abramson, D. I. & Eisenberg, H. J.** The coronary blood supply in the rhesus monkey. *J. Anat., Lond.*, 1935, 69, 520-525. [4f: Mc]

389. **Chiodi, V.** Il nodo seno-atriale del cuore dei mammiferi. *Clin. vet., Milano*, 1932, 55, 689-714, 799-823. [+ 24f: Prsb Pp Ceb]

390. **De Garis, C. F.** Pericardial patency and partial ectocardia in a newborn orang-utan. *Anat. Rec.*, 1934, 59, 69-82. [1f-r: Png]

391. **Dobyns, B. M.** Note on an artery of the moderator band. *Anat. Rec.*, 1936, 66, 397-400. [+ 1f: Pn]

392. **Francaviglia, M. C.** Nota sulla persistenza delle vie della circolazione fetale nel cuore d'un *Nyctipithecus*. *Boll. Soc. romana Studi zool.*,* 1896, 5, 74-78. [20r: Aot]

392a.* **Hermes, B.** *Der Innenbau des Herzens bei einem dreijährigen männlichen Schimpanse.* Inaug.-Diss. (Med.) Münster, 1938, 29 pp. [Pn]

393. Poplewski, R. Mięśnie grzebieniaste serca. (Musculi pectinati.) *Arch. Nauk biol.*, 1929, 3, (2), 153 pp. Fr. abstr. p. 143-153.
[+ 51f-56r-Biol. Abstr., 1932, 6, no. 20,439:
Hyl Prsb Mc C-c Pp Ceb]

393a. Strunz, Josef. Die äussere Form des Herzens mit Berücksichtigung seiner Lagebeziehungen bei einem dreijährigen männlichen Schimpanse. Inaug.-Diss. (Med.) Münster, H. Buschmann, 1937, 46 pp. [24f-r: Pn]

394. Urwitz, S. Arteria septi cordis dextra. *Anat. Anz.*, 1937, 85, 97-110. [+ 4f: Affe]

See also: 172, 179, 272, 276, 290, 293, 294, 386, 1603, 2406, 2407, 2409.

AORTA & PULMONARY ARTERIES

395. Chase, R. E. The coronary arteries in 266 hearts of rhesus monkey. *Amer. J. phys. Anthropol.*, 1938, 23, 299-320. [6f-12r: Mc]

396. De Garis, C. F. Patterns of the aortic arch in a series of 133 macaques. *J. Anat., Lond.*, 1935, 70, 149-158. [3f: Mc]

397. De Garis, C. F. Methods of measuring the lumina of branches of the aortic arch in rhesus monkey. *Amer. J. phys. Anthropol.*, 1937, 23, 199-212. [1f-4t: Mc]

398. De Garis, C. F. Branches of the aortic arch in 153 rhesus monkeys (second series). *Anat. Rec.*, 1938, 70, 251-262. [4f-16r: Mc]

399. De Garis, C. F., Black, I. H. & Riemen-schneider, E. A. Patterns of the aortic arch in American white and negro stocks, with comparative notes on certain other mammals. *J. Anat., Lond.*, 1933, 67, 599-619, 2 pls. [+ 1f]

400. Keith, A. The modes of origin of the carotid and subclavian arteries from the arch of the aorta in some of the higher primates. *J. Anat., Lond.*, 1895, 29, 453-458. [1t-20r:
Gr Pn Png Hyl Prsb Mc Atl Al]

401. Le Double, A. De la reproduction de la formule aortique de l'orang, du gibbon, de tous les autres singes et des carnassiers chez l'homme. *Bull. Soc. Anthropol. Paris*, 1890, (4), 1, 555-557. [see 402]

402. Le Double, [A.] Des variations des troncs de la convexité de la crosse de l'aorte de l'homme et principalement de la reproduction chez lui de la formule aortique de l'orang, du gibbon, des singes quadrupèdes et des carnassiers. *C. R. Ass. Anat.*, 1901, 3, 242-246. [+ 1f: *Gr Pn Png Hyl*]

403. Parsons, F. G. On the arrangement of the branches of the mammalian aortic arch. *J. Anat., Lond.*, 1902, 36, 389-399.
[+ *Gr Pn Png Hyl C-p C-c Mc Pp Saim Ceb Atl Al Hap Myst Lm*]

See also: 143, 144, 145, 172, 176, 219, 222, 276, 290, 348, 380, 382, 407.

CAROTID ARTERIES & BRANCHES

(excl. cerebral vessels)

404. Botar, J. Sur la structure des nerfs de la glande intercarotidienne (*glomus caroticum*) chez les singes anthropoïdes. *Arch. Mus. Hist. nat. Paris*, 1935, (6), 12, 243-249. [7f: Pn]

405. Danielopolu, D. & Manescu, E. Reflexogene Zonen der Carotis. II. Anatomische Untersuchungen über die Innervation der Sinus caroticus beim Hunde, beim Affen und beim Menschen. *Z. ges. exp. Med.*, 1928, 63, 143-156. [+ 13f: Mc]

406. Hafferl, [A.] Ueber die Entwicklung der Kopfgefässe bei *Tarsius spectrum*. *Anat. Anz.*, 1914, 46, ErgH., 155-156. [Tars]

407. Hafferl, A. Zur Entwicklungsgeschichte der Aortenbögen und der Kopfarterien von *Tarsius spectrum*. *Gegenbaurs Jb.*, 1916, 50, 19-48, pls. 1-2. [1f: Tars]

408. Mensa, A. Arterie meningee encefaliche nella serie dei mammiferi. Studio morfologico e descrittivo. *Gegenbaurs Jb.*, 1913, 46, 1-207, pls. 1-4. [+ 4f-nr: *Prsb Pp Atl Hap Lm Lor Glg Daub*]

409. Tandler, J. Zur vergleichenden Anatomie der Kopfarterien bei den Mammalia. *Denkschr. Akad. Wiss. Wien*, 1899, 67, 677-784, 8 pls. [+ 17f-r: *Prsb Pp Atl Hap Lm Lor Glg Daub*]

409a. Tokarski, S. Les variations de l'artère maxillaire chez l'homme expliquées par les variations chez les primates. *C. R. Ass. Anat.*, 1931, 26, 507-510. [+++ *Png Symph C-p Ery-c Mc Pp Ceb Atl Hap Leon-c Lm*]

409b. Tokarski, S. O odmianach tętnic powierzchownych twarzy u człowieka i naczelnych. (Sur les variations des artères superficielles de la face chez l'homme et chez les primates.) *Folia morph., Warszawa*, 1935-36, 6, 58-65. Fr. abstr. p. 65. [see no. 409a]

See also: 397, 494, 1274.

SUBCLAVIAN ARTERY & BRANCHES

(excl. cerebral vessels)

410. Bang, F. B. Observations on limb arteries of the woolly monkey (*Lagothrix lagothricha*). *Anat. Rec.*, 1936, 66, 387-395. [4f: Lag]

410a. Bayer, L. Beitrag zur vergleichenden Anatomie der Oberarmarterien. *Morph. Jb.*, 1892, 19, 1-41, pl. 1. [+++ *Aot Ceb Lag Brchyt Atl Al Hap Leon-c*]

411. Eichholz, A. Morphology of limb arteries in vertebrates, with especial reference to the disposition in the human subject. *J. Anat., Lond.*, 1893, 27, 377-401. [++ 12f: *Aot Ceb Brchyt Al Hap*]

412. Göppert, E. Säugethiere: Mammalia. Arteria axillaris und brachialis. *Bronn's Klassen*

Ordn. Thier-Reichs, 1905, Bd. 6, Abt. 5, Bd. 1, 1221—1330, pls. 126—130. [+ 43r]

413. Hyrtl, J. Neue Wundernetze und geflechtete bei Vögeln und Säugethieren. *Denkschr. Acad. Wiss. Wien*, 1864, 22, Abt. 1, 113—152, 9 pls. [+ *Atl Lm Glg*]

414. Manners-Smith, T. The limb arteries of primates. *J. Anat., Lond.*, 1910, 44, 271—302, 6 pls.; 1910, 45, 23—64, pls. 7—12. [++ 2f: *Gr Pn Png Hyl Prsb C-p Ery-c C-c Mc Cyn-p Pp Mndr Saim Ceb Lag Atl Hap Lm Nyct-c*]

415. Müller, E. Beiträge zur Morphologie des Gefäßsystems. II. Die Arterien der Säugetiere. *Arb. anat. Inst., Wiesbaden*, 1904, 27, 71—242, pls. 5—16. [++ 17f-43r: *Gr Pn Png Hyl C-p Ery-c C-c Mc Pp ?Mndr Ceb Brchyt Atl Hap Oed-m Leon-c Lm*]

415a. Salvi, G. Arteriae dorsales carpi. *Mem. Soc. tosc. Sci. nat.*, 1900, 17, 167—185. [++ 11f-49r: *Mc*]

416. Schwalbe, E. Zur vergleichenden Anatomie der Unterarmarterien, speciell des Arcus volaris sublimis. *Morph. Jb.*, 1895, 23, 412—451, pls. 26—27. [+ 1f-31r: *Lm Nyct-c*]

417. von Tschudi, J. Vergleichend anatomische Beobachtungen. *Arch. Anat. Physiol. Wiss. Med.**, 1843, 471—474. [+ *Lag*]

418. Zuckerkandl, E. Zur Anatomie und Entwicklungsgeschichte der Arterien des Vorderarmes. (II. Teil.) *Arb. anat. Inst., Wiesbaden*, 1895, 5, 157—205, pls. 13—14. [+ *Pn*]

419. Zuckerkandl, E. Über die tiefen Hohlhandäste der Arteria ulnaris. *Arb. Anat. Inst., Wiesbaden*, 1896, 6, 533—559, pls. 23—24. [+ *Pn Png*]

420. Zuckerkandl, E. Zur Anatomie und Morphologie der Extremitätenarterien. *S. B. Akad. Wiss. Wien, Abt. 3*, 1907, 116, 459—730, 6 pls. [++ 14f-nr: *Gr Pn Png Hyl Mc Ceb Lag Brchyt Atl Daub*]

See also: 144, 267, 287, 309a, 380, 386, 397, 430, 435, 437, 494, 898, 3880.

ABDOMINAL AORTA & BRANCHES

421. Fransen, J. W. P. Le système vasculaire abdominal et pelvien des primates. Anatomie descriptive et relations segmentales. *Ned. Bijdr. Anat.*, 1907, 4, 215—283, 487—537. [8f-4t-61r: *Gr Pn Png Hyl Prsb C-p C-c Mc Pp Mndr Saim Ceb Atl Al Hap Lm Nyct-c Tars*]

422. Grzybowski, J. Badania filogenetyczne nad tętnicą trzewną (a. coeliaca) i jej rozgałęzieniami w szeregu naczelnych. (L'artère coeliaque chez les primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 165—194. Fr. abstr., 185—187. [54f: *Gr Pn Png Hyl Symp Prsb C-p*]

Ery-c C-c Mc Pp Mndr Saim Ceb Al Hap Lm Hp-l Chrg Pr-p Nyct-c Prdct Glg Daub Tars]

423. Grzybowski, J. Badania filogenetyczne nad tętnicą żołądkową (a. gastrica). (L'artère gastrique chez les primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 195—212. Fr. abstr. 211—212. [3f: see 422]

424. Grzybowski, J. Badania filogenetyczne nad tętnicą śledzionową (a. lienalis). (L'artère splénique chez les primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 212—240. Fr. abstr. 237—240. [5f: see 422]

425. Grzybowski, J. Badania filogenetyczne nad tętnicą wątrobną (a. hepatica). (L'artère hépatique chez les primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 240—265. Fr. abstr. 264—265. [5f: see 422]

426. Grzybowski, J. Zestawienie wyników badań filogenetycznych nad rozgałęzieniami t. trzewnej. (La phylogénèse de l'artère coeliaque (résultats des recherches.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 265—282. Fr. abstr. 276—281. [4t-5f-16r: see 422]

427. Grzybowski, J. La phylogénèse de l'artère coeliaque chez les primates. *Bull. Soc. Anthropol. Paris*, 1927, 8, 142—158. [nt-16r: see 422]

428. Wittmann, R. Die Schlagadern der Verdauungsorgane mit Berücksichtigung der Pfortader bei dem Orang, Chimpanse, Gorilla. *Arch. Anthrop., Braunschw.*, 1891—92, 20, 83—104, pls. 4—5. [t: *Gr Pn Png*]

See also: 293, 380, 619, 2846.

ILIAC ARTERY & BRANCHES

429. Bluntschli, H. Die Arteria femoralis und ihre Äste bei den niederen catarrhinen Affen. Eine vergleichend-anatomische Untersuchung. *Morph. Jb.*, 1906, 36, 276—461.

[85f-14t-92r: *Prsb C-p Ery-c C-c Mc Cyn-p Pp Lm*]

430. Carlisle, A. Account of a peculiarity in the distribution of the arteries sent to the limbs of slow-moving animals; together with some other similar facts. *Philos. Trans.*, 1800, 98—105, pls. 1—2. [++ *Lor Nyct-c*]

430a. Imai, S. (Über die Beckengefäße des weiblichen *Macacus rhesus*.) *Tokyo Ig. Z.*,* 1937, 51, 642—649. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 7, (193). [Jap: *Mc*]

431. Manners-Smith, T. The limb arteries of primates. *J. Anat., Lond.*, 1912, 46, 95—172, pls. 13—21. [27r: see 414]

432. Manno, A. Arteriae plantares pedis mammalium. *Int. Mschr. Anat. Physiol.*, 1905, 22, 293—359, pls. 15—16. [+ 4f-79r: *C-p C-c Mc Hap*]

432a. Popowsky, J. Phylogenesis des Arteriensystems der unterm Extremitäten bei den Primaten. *Anat. Anz.*, 1893, 8, 657-665.

[+++ 6f: Png Prsb C-p Mc Pp Aot Ceb Atl Hap Leon-c Lm]

433. Popowsky, J. Das Arteriensystem der untern Extremitäten bei den Primaten. *Anat. Anz.*, 1894, 10, 55-80, 99-114.

[7f-cf. no. 367: Png Prsb C-p C-c Mc Cyn-p Pp Aot Ceb Atl Hap Leon-c Lm]

434. Rojecki, F. Note sur des plexus artériels observés chez les makis et les singes. *C. R. Soc. Biol., Paris*, 1887, 39, 541-542. [Atl Lm]

435. Rojecki, F. Note sur la disposition des troncs artériels des membres chez les singes du genre macaque considérés par rapport à ceux des singes anthropomorphes et de l'homme. *C. R. Soc. Biol., Paris*, 1888, 40, 281-284. [++ Mc]

436. Salvi, G. Arteria dorsalis pedis. *Mem. Soc. tosc. Sci. nat.*, 1900, 17, 13-52.

[+ 22f: Mc Hap]

436a. Usui, M. (Über die Gefäße der äusseren Genitalien und die in der Beckenhöhle des männlichen Affen.) *Tokyo Igk. Z.*,* 1936, 50, 1225-1262, 2 pls. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 8, (55). [Jap: Mc]

437. Wislocki, G. B. & Straus, W. L., Jr. On the blood vascular bundles in the limbs of certain edentates and lemurs. *Bull. Mus. comp. Zool. Harv.*, 1932, 74, 1-15, 4 pls. [++ t-r: Lm Nyct-c Prdct Glg Tars]

438. Zuckerkandl, E. Zur Anatomie und Entwicklungsgeschichte der Arterien des Unterschenkels und des Fusses. *Arb. anat. Inst., Wiesbaden*, 1895, 5, 207-291, pls. 15-20.

[++ Pn Png Mc Pp Leon-c Lm]

439. Zuckerkandl, E. Zur Morphologie der Arteria pudenda interna. *S. B. Akad. Wiss. Wien, Abt. 3*, 1900, 109, 405-458, 1 pl.

[+ 14f-1t-nr: Png Prsb Pp Atl Hap Lm Glg Daub]

See also: 144, 194, 267, 287, 318, 380, 386, 410, 413, 415a, 417, 420, 1636, 1691, 3880.

VEINS

440. Beddard, F. The azygos veins in the Mammalia. *Proc. zool. Soc. Lond.*, 1907, (1), 181-223. [+ 12f: Lm Nyct-c Prdct Glg]

441. Chase, R. E. & De Garis, C. F. Anomalies of venae cavae superiores in an orang. *Amer. J. phys. Anthropol.*, 1938, 24, 61-65.

[1f-8r: Png]

442. Ficalbi, E. Di una particolare disposizione di alcuni vasi venosi del collo nelle scimmie e della possibilità di spiegare con essa alcune anomalie venose reperibili nell'uomo. *Mem. Soc. tosc. Sci. nat.*, 1885, 4, 400-410, pl. 14.

[Mc Pp]

443. Forster, A. La veine communicante au niveau du pli du coude. Résultat d'adaptation du courant veineux. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1931, 14, 23-82.

[++ 20f: Pn Hyl Mc Pp Ceb Atl Lm Nyct-c Prdct Glg]

443a. Gérard, G. Les canaux anastomotique artério-veineux chez l'homme et chez le singe. *Arch. Sci. méd.*, 1896, 1, 455-471.

[+ 14f: C-p]

444. Keith, A. The frequent occurrence of a divided inferior vena cava in the genus *Hylobates* (Gibbons). *J. Anat., Lond.*, 1896, 30, Proc. ii-iv. [5r-abstr.: Hyl]

445. Nishi, S. Pri la vejnoj de mano de simioj. [Veins of the hand in monkeys.] *Folia anat. japon.*, 1935, 13, 407-416.

[3f-1t-Esperanto with Gr. abstr.: Prsb C-c Mc Cyn-p Ceb Lag Hap]

445a. Nishi, S. Über die Hautvenen des Fusses bei den Affen. *Folia anat. japon.*, 1937, 15, 49-57. [3f: Prsb Mc Ceb Lag Hap Leon-c]

446. Seib, G. A. On the azygos veins in *Pithecus* (*Macacus*) *rhesus*. *Anat. Rec.*, 1932, 51, 285-297. [6f: Mc]

446a.* Sylwanowicz, W. (Über die Klappen der unpaaren Blutadern: Vv. azygos und hemiazygos.) *Prace Tow. Nauk Wilno., Wydz. mat. przyrod.*, 1923, 8, 75-96. [5f-20t-Polish with Fr. abstr.: Pn Png Symph C-p Pp Ceb Atl Lm]

See also: 144, 247, 309a, 318, 378, 450, 458, 1678, 1986, 1988, 1992.

LYMPH VESSELS & GLANDS

447. Beattie, J. The visceral lymphatic channels of the Catarrhinae. (Illustrated by the direction of the spread of tuberculosis). *Proc. zool. Soc. Lond.*, 1927, (1), 459-470. [C-p Mc]

448. Kihara, T. & Teshima, G. Beiträge zur Anatomie des Lymphgefäßsystems der Wirbeltiere und des Menschen (Japaner). No. 22. Das Lymphgefäßsystem des Schimpansen (*Troglo-dytes niger*). *Folia anat. japon.*, 1935, 13, 303-324. [3t-r: Pn]

449. Knoop, Hendrik. *De aanleg, vorm en verbreiding der glandulae en noduli lymphatici in den oesophagus van den mensch en de apen.* Acad. proefschr. (Geneesk.) Utrecht. Middelburg: van Straaten, 1916, 192 pp., 32 pls.

[+ 291r: C-p Ery-c Mc Pp Ceb Glg]

450. McClure, C. F. W. & Silvester, C. F. A comparative study of the lymphatico-venous communications in adult mammals. I. *Primates, Carnivora, Rodentia, Ungulata, and Marsupialia.* *Anat. Rec.*, 1909, 3, 534-552, 10 pls.

[++ 3f-11t: Pn C-p C-c Mc Pp Ceb Atl Hap Nyct-c]

451. MacGregor, A. An experimental investigation of the lymphatic system of the teeth and jaws. *Proc. roy. Soc. Med.*, 1936, 29, (2), 1237-1272. [++ 19f-35r: monkey]
- 451a.* Orts Llorca, [F.] El ductus thoracicus y las vías linfáticas colaterales del tórax en el *Macacus rhesus*, con un estudio complementario del desarrollo de estos vasos linfáticos en el embrión humano. *An. Univ. Valencia*,* 1937 [1938], 2, 81 pp., 13 pls. Engl. abstr. [19f: Mc]
452. Rawitz, B. Ueber die Zellen in den Lymphdrüsen von *Macacus cynomolgus*. *Arch. mikr. Anat.*, 1895, 45, 592-623, pl. 32. [Mc]
453. Rawitz, [B.] Bemerkungen zu einer Abhandlung des stud. med. Siegmund Schumacher: Ueber die Lymphdrüsen des *Macacus rhesus*. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1897, 158-161. [Abstr]
454. Schumacher, S. Ueber die Lymphdrüsen des *Macacus rhesus*. *Arch. mikr. Anat.*, 1896, 48, 145-168, pl. 8. [Mc]
455. Schumacher, S. Nachträgliche Bemerkungen über die Lymphdrüsen von *Macacus rhesus* Aud. *Arch. mikr. Anat.*, 1897, 49, 804-806. [Mc]
456. Shimizu, S. Untersuchung über die feinere Verteilung der Lymphgefäße des Dickdarmes. *Folia anat. japon.*, 1932, 10, 589-599. [+ 5f: Mc]
457. Silvester, C. F. On the presence of permanent lymphatico-venous communications at the level of the renal veins in adult South American monkeys. *Anat. Anz.*, 1910, 37, ErgH., 111-113. [1f]
458. Silvester, C. F. On the presence of permanent communications between the lymphatic and the venous system at the level of the renal veins in adult South American monkeys. *Amer. J. Anat.*, 1912, 12, 447-471. [12pl-2f-1t: Aot Saim Ceb Atl Hap Oed-m]
459. Teshima, G. Beiträge zur Anatomie des Lymphgefäßsystems der Wirbeltiere und des Menschen (Japaner). Nr. 20. Das Lymphgefäßsystem des *Macacus (Macacus rhesus)*. *Folia anat. japon.*, 1935, 13, 251-288. [7f: Mc]
460. Teshima, G. Beiträge zur Anatomie des Lymphgefäßsystems der Wirbeltiere und des Menschen (Japaner). Nr. 21. Das Lymphgefäßsystem des Lemurs (*Lemur macaco*). *Folia anat. japon.*, 1935, 13, 289-301. [+ Lm]
461. Thomé, R. Endothelien als Phagocyten (aus den Lymphdrüsen von *Macacus cynomolgus*). *Arch. mikr. Anat.*, 1898, 52, 820-842, pl. 37. [25r: Mc]
462. Troitzky, A. Les vaisseaux lymphatiques du grand sympathique et des ganglions semi-lunaires du plexus solaire chez les Cercopithecidae. *Bull. Mus. Hist. nat., Paris*, 1930, (2), 2, 195-203. [4f-13r: C-p]
463. Yoffey, J. M. & Drinker, C. K. The lymphatic pathway from the nose and pharynx. The absorption of dyes. *J. exp. Med.*, 1938, 68, 629-640, pls. 25-27. [+ 1t-10r: Mc]
- See also: 378, 555, 556, 620, 621, 625, 639.

SPLEEN

- 463a. von Krogh, C. Zur Morphologie der Primatenmilz. *Anthrop. Anz.*, 1936, 13, 89-100, pls. 3-4. [20f-1t: Pn Png Hyl Prsb C-p C-c Mc Pp Mndr Ceb Al Hap Tars]
464. Mangubi-Kudrjatzewa, Anna. Über den Bau der venösen Sinus der Milz des Menschen und Rhesus-Affen. *Arb. anat. Inst., Wiesbaden*, 1909, 39, 697-736, pls. 58-59. [++ 3f-43r: Mc]
465. Retterer, É. & Neuville, H. Forme et connexions de la rate des singes catarrhiniens. *C. R. Soc. Biol., Paris*, 1916, 79, 490-495. [Pn Png Hyl C-p Mc Mndr]
466. Retterer, É. & Neuville, H. De la rate des singes platyrrhiniens. *C. R. Soc. Biol., Paris*, 1916, 79, 574-576. [Ceb Atl Hap Myst]
- See also: 283, 283a, 291, 296, 298, 1956.

The Respiratory System

GENERAL MORPHOLOGY

Comprehensive & General Studies

See also: 236, 242, 276, 290.

DIMENSIONS, WEIGHTS, &c.

See also: 476, 479, 530, 1956.

HISTOLOGY

See also: 472, 520, 584, 585, 591, 2838.

EMBRYOLOGY

See also: 468, 470, 476, 479, 535, 540.

ANOMALIES

See also: 524, 535.

EXTERNAL NOSE & NASAL PASSAGES

467. Brandes, G. Ueber die Nasenaffen. *Z. Naturw.*, 1901, 74, 284-289. [3f-review of 480]

468. Frets, G. P. Beiträge zur vergleichenden Anatomie und Ontogenie der Nase der Primaten. I. Beobachtungen und Bemerkungen zur Entwicklung der Nase bei einigen catarrhinen Affen, Säugern und dem Menschen. *Gegenbaurs Jb.*, 1912, 44, 409-463.
[+ 64f-r: Prsb Nas Mc]

469. Frets, G. P. Over den uitwendigen neus van de primaten. *Versl. gewone Vergad. Akad. Amst.*, 1912, 21, (1), 179-184.—On the external nose of primates. *Proc. Acad. Sci. Amst.*, 1912, 15, (1), 129-134. [Png Hyl Prsb C-p Mc Aot Saim Ceb Lag Atl Hap]

470. Frets, G. P. Over het Jacobson's orgaan der primaten. *Versl. gewone Vergad. Akad. Amst.*, 1912, 21, (1), 184-187.—On the Jacobson's organ of primates. *Proc. Acad. Sci. Amst.*, 1912, 15, (1), 134-137. [2f: Prsb Mc Saim Ceb Atl Al Hap]

471. Gegenbaur, C. Über das Rudiment einer septalen Nasendrüse beim Menschen. *Morph. Jb.*, 1886, 11, 486-488. [+ ?Lor]

472. Kolmer, W. Bemerkungen über die Regio olfactoria der Anthropoiden. *Z. Anat. Entw. Gesch.*, 1927, 84, 160-170.
[8f: Gr Pn Png Hyl]

473. Lucas, A. M. The nasal cavity and direction of fluid by ciliary movement in *Macacus rhesus* (Desm.). *Amer. J. Anat.*, 1932, 50, 141-177.
[3pl-3f-1l-19r: Mc]

474. Richter, H. Die Morphologie der Huschkeschen Knorpel. *Z. Hals- Nas.- u. Ohrenheilk.*, 1934, 35, 415-425. [+ 13f-r: Png]

475. de Rochebrune, A.-T. Du platyrrhinisme chez un groupe de singes africains. *C. R. Acad. Sci., Paris*, 1886, 103, 940-941. [Clb]

476. Schultz, A. H. The nasal cartilages in higher primates. *Amer. J. phys. Anthropol.*, 1935, 20, 205-212.
[+ 6f-1l: Gr Pn Png Symph]

477. Spurgat, F. Beiträge zur vergleichenden Anatomie der Nasen- und Schnauzenknorpel des Menschen und der Thiere. *Morph. Arb.*,* 1896, 5, 555-612, pls. 25-26.
[+ 4f-60r: Pn C-p Lm]

478. Virchow, H. Nasenknorpel des Schimpanse. *Z. Ethn.*, 1914, 46, 673-678. [4f: Pn]

479. Wen, I. C. Ontogeny and phylogeny of the nasal cartilages in primates. *Contr. Embryol. Carneg. Instn.*, 1930, 22, 109-134, 1 pl.
[+ 12f-2l-19r: Png Hyl Prsb Nas Ery-c Mc Pp Aot Ceb Atl Al Hap Lm Nyct-c Glg Tars]

480. Wiedersheim, R. Beiträge zur Kenntniss der äusseren Nase von *Semnopithecus nasicus*. Eine physiognomische Studie. *Z. Morph. Anthropol.*, 1901, 3, 300-350, pls. 21-24.
[9f-20r: Prsb Nas]

481. Wiedersheim, R. Nachträgliche Bemerkungen über den *Semnopithecus nasicus* und Beiträge zur äusseren Nase des Genus *Rhinopithecus*. *Z. Morph. Anthropol.*, 1901, 3, 576-582.
[2f: Rhn-p Nas]

481a. Zuckerkandl, Emil. *Das periphere Geruchsorgan der Säugethiere. Eine vergleichend anatomische Studie.* Stuttgart: Ferdinand Enke, 1887, viii, 116 pp., 10 pls. [+ 19f-r: Pn Png Hyl Pp Al Lm Pr-p Nyct-c Glg]

See also: 105, 106, 298, 327, 463, 1005, 1217, 2838.

LARYNX & LARYNGEAL SAC

482. Anthony, R. & Bortnowsky, I. Recherches sur un appareil aérien de type particulier chez un lémurien. *Arch. Zool. exp. gén.*, 1914, 53, 309-324, pls. 14-15. *C. R. Acad. Sci., Paris*, 1913, 156, 160-161. [8f-r: Mer-c]

483. Bartels, P. Über die Nebenräume der Kehlkopfhöhle. Beiträge zur vergleichenden und zur Rassen-Anatomie. *Z. Morph. Anthropol.*, 1904, 8, 11-61, pl. 3.
[+ 1f-52r: Png Mc Mndr]

484. **Bernstein, H.** Über das Stimmorgan der Primaten. *Abh. senckenb. naturf. Ges.*, 1923, **38**, 105-128, pls. 13-14. [11r: Pn Hyl Mc Pp Ceb Lag Al Lm Nyct-c]
485. **Boulart, R.** Note sur le système vasculaire des poches laryngiennes de l'orang-outang. *C. R. Soc. Biol., Paris*, 1886, **38**, 215-216. [Png]
486. **Brandes, G.** Der Kehlsack und die Stimme des Orang-Utan. *Naturforscher*, 1927, **3**, 633-635. [Png]
487. **Brandes, G.** Die Bedeutung des Orang-Kehlsackes. *Z. Säugetierk.*, 1929, **4**, 81-83. [Png]
488. **Brandes, R.** Über den Kehlkopf des Orang-Utan in verschiedenen Altersstadien mit besonderer Berücksichtigung der Kehlsackfrage. *Gegenbaurs Jb.*, 1932, **69**, 1-61, pls. 1-3. [36f-vnr: Png]
489. **Brandt, Johann Friedrich.** *Observationes anatomicae de instrumento vocis mammalium in museo zootomico Berolinensi factae.* Berolini: F. A. Herbig, 1826, 38 pp., 1 pl. [++ C-p Mc Pp Mndr Ceb Atl Al Hap Lm Lor Nyct-c]
490. **Camper, P.** Account of the organs of speech of the orang outang. *Philos. Trans.*, 1779, **69**, 139-159, pl. 2. [Pp Png]
491. **Deniker, J. & Boulart, R.** Note sur les sacs laryngiens des singes anthropoïdes. *J. Anat., Paris*, 1886, **22**, 51-62, pls. 3-4. [nr: Gr Pn Png]
492. **Deniker, [J.] & Boulart, [R.]** Les sacs laryngiens des singes anthropoïdes. *Bull. Mus. Hist. nat., Paris*, 1896, **2**, 139-143. [Png]
493. **Deniker, [J.] & Boulart, [R.]** Sur les sacs laryngiens d'un orang-outan femelle adulte. *Bull. Mus. Hist. nat., Paris*, 1898, **4**, 277-278. [Png]
494. **Erhart, M. B.** Irrigação arterial do aparelho de resonancia hyolaryngea no genero *Alouatta* (Bugio). *Rev. Mus. paul.*, 1936, **20**, 707-719, 2 pls. [Al]
495. **Eschricht, [D. F.]** Beschreibung einiger neuen Muskeln am Kehlkopfe eines langarmigen Affen (*Hylobates albifrons*). *Arch. Anat. Physiol. wiss. Med.*,* 1834, 218-221, pl. 2. [Hyl]
496. **Fick, R.** Beobachtungen am Orangkehl-sack. *S. B. preuss. Akad. Wiss.*, 1928, 445-447, pls. 4-6. [Png]
497. **Forster, A.** Remarques sur la formation du sac laryngien antérieur des simiens inférieurs. (Note préliminaire.) *Bull. Soc. anat. Paris*, 1923, **93**, 509-516. [4f-2r: C-p Pp Mndr Lm]
- 497a. **Forster, A.** Le sac trachéal postérieur chez *Ateles ater*. *Bull. Soc. anat. Paris*, 1924, **94**, 59-67. [4f: Atl]
498. **Forster, A.** Le sac laryngien antérieur des primates. Le mécanisme de son développement. *Arch. Anat., Strasbourg*, 1925, **4**, 45-99. [15f: C-p C-c Mc Pp Mndr Ceb Atl Lm]
499. **Forster, A.** La membrane ary-épiglot-tique. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1928, **8**, 87-128. [+++ 25f: Gr Pn Png Hyl Mc Pp Atl Lm]
500. **Giacomini, C.** Annotations sur l'anatomie du nègre. *Arch. ital. Biol.*, 1892, **17**, 337-371, pl. 7. [++ Pn Png Mc C-p]
501. **Göppert, E.** Über die Herkunft des Wrisberg'schen Knorpels. Ein Beitrag zur vergleichenden Anatomie des Säugethierkehlkopfs. *Morph. Jb.*, 1894, **21**, 68-151, pls. 3-4. [+ 13f-18r: Prsb Mc Pp Ceb Hap Oed-m Lm Nyct-c Glg]
502. **Hasskó, A.** Über die Kehlsäcke des Orang-Utan und eine todbringende Erkrankung im Kehlsacke eines jungen Orang. *Z. Hals-Nas.- u. Ohrenheilk.*, 1929, **23**, 258-262. [2f: Png]
503. **Kleinschmidt, A.** Die Schlund- und Kehlor-gane der Gorilla. *Anat. Anz.*, 1937-38, **85**, ErgH. 208-215. [8f: Gr Png]
504. **Kleinschmidt, A.** Die Schlund- und Kehlor-gane des Gorillas "Bobby" unter besonderer Berücksichtigung der gleichen Organe von Mensch und Orang. Ein Beitrag zur vergleichenden Anatomie des Kehlkopfs. *Gegenbaurs Jb.*, 1938, **81**, 78-157. [22f-3t-vnr: Pn Png]
505. **Koerner, O.** Beiträge zur vergleichenden Anatomie und Physiologie des Kehlkopfes der Säugethiere und des Menschen. *Abh. senckenb. naturf. Ges.*, 1883, **13**, 147-165, 1 pl. [+++ Png Mc Pp Lm]
506. **Koerner, O.** Weitere Beiträge zur vergleichenden Anatomie und Physiologie des Kehlkopfs. *Abh. senckenb. naturf. Ges.*, 1884, **13**, 261-276, 1 pl. [+++ Pn Png Mc Pp Atl Lm]
507. **Kohlbrugge, J. H. F.** Die Larynx und die Stimbildung der *Quadrupana*. *Natuurk. Tijdschr. Ned.-Ind.*, 1896, **55**, 157-175. [11r: Gr Pn Png Symph Prsb Mc Ceb]
508. **Kollmann, M.** Pharynx et larynx de quelques lémuriers. *C. R. franç. Av. Sci.*, 1913 [1914], **42**, (2), 352-357. [Lm Mcr-c Avh Pr-p Nyct-c Prdct Glg Daub Tars]
509. **Lampert, H.** Zur Kenntnis des Platyrhinenkehlkopfes. *Gegenbaurs Jb.*, 1926, **55**, 607-654. [28f-t-14r: Aot Pith Saim Ceb Lag Atl Al Myst]
510. **Mayer, C.** Über den Bau des Organes der Stimme bei dem Menschen, den Säugethiern, und einigen grössern Vögeln, nebst physiologischen Bemerkungen. *Nova Acta Leop. Carol.*, 1852, **23**, 659-766, pls. 62-89. [+ Pn Png Prsb Clb Hyl C-p Mc Pp Mndr Chirop Ceb Atl Al Leon-c ?Lm Lor]
511. **Meyer, E.** Ueber die Luftsäcke der Affen und die Kehlkopfdivertikel beim Menschen. Ein Beitrag zur vergleichenden Anatomie des Kehl-

kopfs. *Arch. Laryng. Rhin., Berl.*, 1901, 12, 1-26, pls. 1-9. [++ nr: Pn Png Hyl Prsb C-p Ery-c Mc Pp Ceb Atl Al Leon-c Lm]

512. Milne Edwards, A. Observations sur l'appareil vocal de l'*Indris brevicaudatus*. *Ann. Sci. nat., Zool.*, 1874, (6), 1, no. 8, 3 pp., pl. 12.

513. Mott, F. A study by serial sections of the structure of the larynx of *Hylobates syndactylus* (siamang gibbon). *Proc. zool. Soc. Lond.*, 1924, (2), 1161-1170, 5 pls. [Symph]

514. Negus, [V. E.] Observations on the evolution of man from the evidence of the larynx. *Acta oto-laryng., Stockh.*, 1928, 12, 93-118.

[++ 7f-17r: Gr Pn Png Hyl Symph C-p C-c Mc Pp Ceb Lag Lm Prdct Tars]

515. Némai, J. Das Stimmorgan der Primaten. *Arb. anat. Inst., Wiesbaden*, 1920, 59, 257-292. [8f-6r: Prsb C-p Mc Pp]

516. Némai, J. Das Stimmorgan der Primaten. *Z. Anat. EntwGesch.*, 1926, 81, 657-672. [7f: C-c Ceb Al Hap]

517. Némai, J. Das Stimmorgan des *Hylobates*. *Z. Anat. EntwGesch.*, 1926, 81, 673-685. [8f: Hyl Symph]

518. Némai, J. & Kelemen, G. Schleimhautpigment im Kehlkopf eines Orang-Utans. *Z. Laryng. Rhinol.*, 1928, 17, 271-276. [6f: Png]

519. Némai, J. & Kelemen, G. Das Stimmorgan des Orang-Utan. *Z. Anat. EntwGesch.*, 1929, 88, 697-709. [11f: Png]

520. Némai, J. & Kelemen, G. Beiträge zur Kenntnis des Gibbonkehlkopfes. *Z. Anat. EntwGesch.*, 1933, 100, 512-520. [5f: Hyl]

521. Nishiyama, Nobumitsu. *Die Kehlkopfmuskeln Hylobates lar, verglichen mit denen anderer Affen und des Menschen*. Inaug.-Diss. (Med.) Rostock, H. Winterberg, 1904, 23 pp. [Hyl]

522. Olivier, P. Appareil vocal du singe hurleur. (Alouatte rouge, *Mycetes seniculus*, famille des cébidées, sous-ordre des platyrrhiniens.) *Parole*, 1902, n.s., 4, 530-536. [4f: Al]

523. Sclavunos, G. Ueber die Ventrikulär-säcke des Kehlkopfes beim erwachsenen und neugeborenen Menschen, sowie bei einigen Affen. *Anat. Anz.*, 1904, 24, 511-523. [12f: Png Pp Hap]

524. Sonntag, C. F. Description of the larynx and oesophagus of a common macaque (*Macacus fascicularis*) exhibiting several abnormal characters. *Proc. zool. Soc. Lond.*, 1920, (1), 27-30. [2f: Mc]

525. Tavani, E. Rapporti del muscolo tiroaritenoidico con il legamento vocale in alcune scimmie platirrine: *Ateles paniscus* e *Pithecia leucocephala*. *Monit. zool. ital.*, 1935, 46, 141-148. [6f-11r: Pith Atl]

526. Voss, H. Die Kehlsäcke zweier junger Orang-Utans. *Z. Anat. EntwGesch.*, 1931, 96, 84-91. [5f-1t: Png]

527. Waldeyer, A. Zur Individual- und Rasenanatomie des menschlichen Kehlkopfes. *Z. Morph. Anthropol.*, 1926, 26, 68-126. [+ 22f-1t-113r: Pn Png Hyl Ery-c]

528.* Warnots, L. Identité de la musculature du larynx chez l'homme et chez le chimpanzé. *Bull. Soc. Anthropol. Bruxelles*,* 1885, 4, 59-62. [Pn]

529. Zuckerkandl, E. Über den Kehlsack von *Macacus nemestrinus*. *Z. Morph. Anthropol.*, 1905, 9, 145-146, pl. 10. [Mc]

See also: 143, 176, 177, 178, 179, 180, 194, 211, 227, 237, 309a, 344, 584, 585, 591, 649, 1337a, 1646, 2424, 2425, 3774.

TRACHEA, BRONCHI & LUNGS

530. Aeby, Christoph Theodor. *Der Bronchialbaum der Säugethiere und des Menschen. Nebst Bemerkungen über den Bronchialbaum der Vögel und Reptilien*. Leipzig: Wilhelm Engelmann, 1880, 98 pp., 10 pls. [+ 9f-nt: Pn Png C-p Pp Lm]

531. Chudzinski, [T.] Notes sur les poumons des orangs-outangs. *Bull. Soc. Anthropol. Paris*, 1882, (3), 5, 554-557. [1f: Png]

532. Narath, A. *Der Bronchialbaum der Säugethiere und des Menschen. Eine vergleichend anatomische und entwicklungsgeschichtliche Studie*. *Bibl. med., Stuttgart, Abt. A.*, 1901, Heft 3, 379 pp., 7 pls. [+ 242f-vnt-87r: Pn Png C-p Ery-c Mc Pp Mndr Lag Atl Al Hap Leont-c Lm]

533. Straus, W. L., Jr. The form of the tracheal cartilages of primates, with remarks on the supposed taxonomic importance. *J. Mammal.*, 1931, 12, 281-285, pl. 12. [Mc Saim Atl Hap Lm Nyct-c Prdct Glg Tars]

534. Virchow, R. Drei anthropoiden Affen (Orang-Utan und Gibbons). *Z. Ethn.*, 1879, 11, Verh., 384-388. [Png Hyl]

535. Weber, A. L'origine de l'appareil pulmonaire chez le *Tarsius spectrum*. *C. R. Ass. Anat.*, 1913, 15, 48-50. [Tars]

See also: 219, 235, 283a, 299, 482.

PLEURA & MEDIASTINUM

536. Deniker, J. & Boulart, R. Sur divers points de l'anatomie de l'orang-outan. *C. R. Acad. Sci., Paris*, 1894, 119, 235-238. [Png]

537. Ruge, G. Grenzen der Pleura-Säcke der Affen und des Menschen. *Gegenbaurs Jb.*, 1910, 41, 1-109. [66f-nt: Gr Pn Png Hyl Symph Prsb Mc Pp Mndr Atl Lm Avh Lor Nyct-c Prdct Glg Daub Tars]

538. Ruge, G. Grenzlinien der Pleura-Säcke beim Orang. *Gegenbaurs Jb.*, 1912, **44**, 371-402. [24f-t: Gr Pn Png Symph]

539. Tanja, T. Über die Grenzen der Pleurahöhlen bei den Primaten und bei einigen anderen Säugethieren. *Morph. Jb.*, 1891, **17**, 145-197, pls. 9-12. [++ 3f: Gr Pn Png Prsb Mc Pp Mndr Atl]

See also: 293, 294, 393a, 1614.

DIAPHRAGM

540. Debeyre, A. Développement du pilier dorsal du diaphragme chez *Tarsius spectrum*. *Bibliogr. anat.*, 1905, **14**, 207-210. [2f: Tars]

541. Forster, A. & Winckler, G. Remarques sur la configuration des piliers du diaphragme. *Rev. anthrop.*, 1926, **36**, 52-58. [++ Prsb Mc Atl Lm]

542. von Gossnitz, W. Beitrag zur Diaphragmafrage. *Denkschr. med.-naturw. Ges. Jena.*, 1901, **7**, 205-262, pls. 13-14. [+ 1t-62r: C-p Lm Tars]

543. Körner, F. Vergleichend-anatomische Untersuchungen über den Faserverlauf der Pars lumbalis des Zwerchfells zur Begrenzung des Hiatus oesophageus bei Säugetieren. *Gegenbaurs Jb.*, 1929, **61**, 409-451. [+ 29f-nr: Pn Mc Pp Ceb Atl Al]

544. Pancrazi, G. La "pars lumbalis" e il "centrum tendineum" dal diaframma dei mammiferi. *Atti. Soc. Nat. Mat. Modena*, 1931, **62**, 135-153. [+ Prsb C-p Mc Pp Hap Lm]

545. Winckler, G. Configuration et architecture des piliers du diaphragme. *Arch. Anat., Strasbourg*, 1926, **6**, 1-32. [++ 7f: Prsb Mc Atl Lm]

See also: 596, 1514.

The Digestive System

GENERAL MORPHOLOGY

Comprehensive & General Studies

See also: 198, 224, 242, 244, 247, 253, 258, 261, 264, 278, 279, 288, 289, 298, 299, 300, 312, 646, 3669.

DIMENSIONS, WEIGHTS, &c.

See also: 283, 567, 597a, 610, 634, 635, 636, 637, 642, 643, 1956, 2625.

HISTOLOGY

See also: 456, 552, 553, 567, 577, 583, 584, 585, 591, 599, 605, 608, 613, 621, 623, 625, 641, 642, 643.

EMBRYOLOGY

See also: 105, 106, 546, 567, 587, 594, 612.

ANOMALIES

See also: 524, 546, 629, 638, 640.

MOUTH

(excl. teeth)

546. Boyd, J. D. The classification of the upper lip in mammals. *J. Anat., Lond.*, 1933, **67**, 409-416, 1 pl. [+ 1f: Glg Tars]

547. Duckworth, W. L. H. A note on sections of the lips of the primates. *J. Anat., Lond.*, 1910, **44**, 349-353. [++ 20f: Gr Pn Png Pp Tars]

548. Gegenbaur, C. Die Gaumenfalten des Menschen. *Morph. Jb.*, 1878, **4**, 573-583, pl. 30. [+ 1f: Png C-p Ceb Atl]

549. Herre, W. & Metzdorff, H. Über das Ackerknechtsche Organ einiger Primaten. *Zool. Anz.*, 1938, **124**, 103-111. [7f-11r: Png Mc Ceb Lag Al]

550. Huntington, G. S. The macroscopic anatomy of the salivary glands in the lower primates. *Stud. Cancer Columb. Univ.*, 1913, **4**, 73-113, pls. 21-33. [Pn Png Prsb C-p C-c Mc Pp Cyn-p Mndr Aot Ceb Lag Atl Al Hap Lm]

551. Huntington, G. S. Genetic interpretation of the primate alveolingual salivary area. *Stud. Cancer Columb. Univ.*, 1913, **4**, 117-154a. [+ 33f: Png Mc Pp Mndr Aot Lag Atl Lm]

552. Illing, G. Ein Beitrag zur vergleichenden Anatomie und Histologie der Speicheldrüsen. Die mandibularen (submaxillaren) Speicheldrüsen des Affen. *Arb. anat. Inst., Wiesbaden*, 1907, **34**, 165-186, pls. 10-12. [7r: Mc]

553. Illing, G. Ein Beitrag zur vergleichenden Anatomie und Histologie der Speicheldrüsen. Die mandibularen Speicheldrüsen des Affen. *Berl. tierärztl. Wschr.*, 1908, 662-665. [++ Mc]

554. Klaatsch, H. Die Bedeutung des Säugetiermechanismus für die Stammesgeschichte des Menschen. *KorrespBl. dtsh. Ges. Anthropol.*, 1912, **43**, 114-126. [+]

555. Levi, G. Elementi epiteliali in noduli linfatici sottomascellari di mammiferi. *Anat. Anz.*, 1904, **25**, 369-377, pl. 4. [+ Lm]

555a.* Ota, M. (Ein Beitrag zum Bau des Lippensaumes einiger Affen.) *Kaibô Z., Tokyo*,* 1934, **7**, 731-741. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1936, **6**, (69). [4f: Png C-c Hap]

556. Rawitz, B. Ueber Lymphknotenbildung in Speicheldrüsen. *Anat. Anz.*, 1898, **14**, 463-467. [2f: C-p]

See also: 180, 235, 276, 327, 341, 454.

TONGUE

557. Boulart, [R.] & Pilliet, [A.] Sur la disposition des papilles foliées dans la langue des singes. *C. R. Soc. Biol., Paris*, 1884, **36**, 626-627. [Pn Png Prsb C-p Mc Pp Ceb Hap]

558. Boulart, R. & Pilliet, A. Note sur l'organe folié de la langue chez les mammifères. *J. Anat., Paris*, 1885, **21**, 337-345. [+ Pn Png Lm]

559. Gegenbaur, C. Über die Unterzunge des Menschen und der Säugethiere. *Morph. Jb.*, 1884, **9**, 428-456, pls. 21-22. [+ 1f: Pn Lm Lor Daub Tars]

560. Gegenbaur, C. Beiträge zur Morphologie der Zunge. *Morph. Jb.*, 1886, **11**, 566-606, pls. 30-31. [+++ 3f: Lm Lor Tars]

561. Hopf, K. & Edzard, D. Beobachtungen über die Verteilung der Zungenpapillen bei verschiedenen Menschenrassen. *Z. Morph. Anthropol.*, 1910, **12**, 545-558, 1 tbl. [+ 1f: Pn Png Symp]

562. Houpert, L. Recherches sur la musculature de la langue chez les mammifères. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1928 [1927], **8**, 1-79. [++ 14f-51r: Gr Pn Png Hyl C-p Mc Pp Mndr Atl Lm]

563. Kunze, G. Die Zungenpapillen der Primaten. *Gegenbaurs Jb.*, 1915, 49, 569-681, pls. 18-20. [34f-25r: Hyl Symph Prsb C-p Ery-c C-c Mc Cyn-p Pp Mndr Lag Atl]
564. Kunze, Gustave. Ueber die Beziehungen der Papillae vallatae zu den Papillae fungiformes. Inaug.-Diss. (Phil.) Breslau, Fleischman, 1915, 67 pp.
565. Mayer, [C.] Über die Zunge als Geschmacksorgan. *Nova Acta Leop. Carol.*, 1842, 20, 721-748, pls. 35-37. [Pn Png Hyl C-p ?C-c Mc Pp Chirop Ceb Atl Al Lor]
566. Münch, F. Die Topographie der Papillen der Zunge des Menschen und der Säugetiere. *Morph. Arb.*,* 1896, 6, 605-690, pls. 18-19. [+ 53f-vnr: Pn Png C-p Mc Pp Cal-c Ceb Atl Lm]
567. Oppenheimer, W. Die Zunge der Orang-Utan. *Gegenbaurs Jb.*, 1932, 69, 62-97. [19f-3t-24r: Png]
568. Podwisotzky, Valerian. *Anatomische Untersuchungen über die Zungendrüsen des Menschen und der Säugethiere.* Inaug.-Diss. (Med.) Dorpat, C. Mattiesen, 1878, 142 pp., 2 pls. [Abstr.: *Zool. Anz.*, 1878, 1, 48: Ceb]
569. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—I. General description of the tongue. *Proc. zool. Soc. Lond.*, 1920, (1), 115-129. [++ 12f: see 570]
570. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia. II. Family 1. Simiidae. *Proc. zool. Soc. Lond.*, 1921, (1), 1-29. [9f: Gr Pn Png Hyl Symph]
571. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—III. Family 2. Cercopithecidae: with notes on the comparative physiology of the tongues and stomachs of the langurs. *Proc. zool. Soc. Lond.*, 1921, (1), 277-322. [21f-18r: Prsb Clb C-p Ery-c C-c Mc Thr-p Pp Mndr]
572. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—IV. Families 3 and 4. Cebidae and Hapalidae. *Proc. zool. Soc. Lond.*, 1921, (2), 497-524. [16f-12r: Aot Cal-c Cacaj Pith Chirop Saim Ceb Lag Atl Al Hap Myst Oed-m Leon-c]
573. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—V. Lemuroidea and Tarsiodea. *Proc. zool. Soc. Lond.*, 1921 [1922], (2), 741-755. [4f-20r: Lm Mcr-c Indr Lor Nyct-c Prdet Glg Daub Tars]
574. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—VI. Summary and classification of the tongues of the primates. *Proc. zool. Soc. Lond.*, 1921 [1922], (2), 757-767.
575. Sonntag, C. F. The comparative anatomy of the tongues of the Mammalia.—XII. Sum-

mary, classification and phylogeny. *Proc. zool. Soc. Lond.*, 1925, (1), 701-762. [+ t-15f]

576. Stahr, H. Ueber die Zungenpapillen des Breslauer Gorillaweibchens. *Jena Z. Naturw.*, 1906, 41, 618-631. [Gr Pn Png C-p Mc Pp Ceb Lm]
577. Stahr, H. Vergleichende Untersuchungen an den Geschmackspapillen der Orang-Utan-Zunge. *Z. Morph. Anthropol.*, 1906, 9, 344-360, pl. 19. [3f: Png]
578. Tavernari, L. Contributo all' anatomia degli organi del gusto. La lingua del *Cercopithecus diana*. *Atti Soc. Nat. Mat. Modena*, 1891, (3), 10, 23-34, 1 pl. [22r: C-p]
579. Taylor, J. Notice regarding the anatomical structure of the tongue of the *Lemur tardigradus*, or sloth of Bengal. *Glean. Sci.*,* 1831, 3, 324. [Nyct-c]
580. Tiedemann, F. Beiträge zur menschlichen und vergleichenden Anatomie. *Disch. Arch. Physiol.*,* 1819, 5, 348-356. [++ Lor]
581. Tokarski, J. Neue tatsachen zur vergleichenden Anatomie der Zungenstützorgane der Säugetiere. *Anat. Anz.*, 1904, 25, 121-131. [+ 7f: Glg]
582. Tuckerman, F. The gustatory organs of *Ateles ater*. *J. Anat., Lond.*, 1892, 26, 391-393. [Atl]
- See also: 172, 177, 179, 194, 219, 224, 235, 276, 278a, 519, 2296, 3880.
- ### PHARYNX & OESOPHAGUS
583. Bartlakowski, J. Untersuchungen über den Bau der Speiseröhre bei Prosimier-Primaten. *Gegenbaurs Jb.*, 1930, 65, 129-163. [9f-1t-r: Gr Png Symph Prsb C-p Mc Pp Aot Saim Ceb Atl Al Hap Lm Indr Nyct-c Daub Tars]
584. Bortnowsky, I. Étude préliminaire histotopographique du pharynx et du larynx (épithélium, glandes, tissu lymphoïde) chez le *Theropithecus gelada* Rupp. *Bull. Soc. Anthropol. Paris*, 1912, (6), 3, 173-200. [17f: Thr-p]
585. Bortnowsky, I. Histotopographie du pharynx, du larynx et du sac laryngé chez le *Cercopithecus nictitans*, L. Étude préliminaire de la muqueuse (épithélium, glandes, tissu lymphoïde). *Ann. Sci. nat., Zool.*, 1918, (10), 2, 175-198. [10f: Pn C-p]
586. Gulliver, G. On the muscular sheath of the cardiac end of the oesophagus of the aye-aye (*Chiromys madagascariensis*). *Proc. zool. Soc. Lond.*, 1869, 249-250. [Daub]
587. von Haussen, H. O. Zur Kenntnis der Tonsilla palatina des Orang-Utan. *Gegenbaurs Jb.*, 1932, 69, 98-109. [6f-r: Png]
588. Hett, G. S. & Butterfield, H. G. The anatomy of the palatine tonsils. *J. Anat., Lond.*, 1909, 44, 35-55. [+ 31f: Gr Hyl C-p Mc Hap Lm]

589. Hett, Mary L. The comparative anatomy of the palatine tonsil. *Proc. zool. Soc. Lond.*, 1928 [1929], (2), 843-915. [+ 48f-27r:

Hyl Prsb C-p C-c Mc Pp Mndr Saim Ail Hap Leon-c Lm Nyct-c Glg

590. Howes, G. B. Additional observations upon the intranarial epiglottis. *J. Anat., Lond.*, 1889, 23, 587-597. [+ *Lm Tars*]

590a. Kleinschmidt, A. Die Tonsilla palatina des Gorilla. (Anatomische Untersuchungen an dem Gorilla "Bobby," II.) *Z. mikr.-anat. Forsch.*, 1938, 44, 412-424. [8f-r: *Gr*]

591. Kollmann, M. & Papin, L. Études sur les lémuriens. I. Le larynx et le pharynx. Anatomie comparée et anatomie microscopique. *Ann. Sci. nat., Zool.*, 1914, (9), 19, 227-318, pls. 6-7.

[28f-r: *Lm Hp-l Mcr-c Chrg Pr-p Avh Nyct-c Prdct Glg Daub Tars*]

592. von Rapp, W. Ueber die Tonsillen. *Arch. Anat. Physiol. wiss. Med.*,* 1839, 189-199. pls. 7-8. [+ *C-p C-c Mc Pp Pith Ceb Hap Lm*]

593. Waldeyer, W. Beiträge zur normalen und vergleichenden Anatomie des Pharynx mit besonderer Beziehung auf den Schlingweg. *S. B. preuss. Akad. Wiss.*, 1886, 13, 233-250. [+ *Png Mndr*]

See also: 296, 449, 463, 508, 524, 596.

STOMACH

594. von Berenberg-Gossler, H. Untersuchungen über Bau und Entwicklung des zusammengesetzten Magens der Schlankaffen. *Arb. anat. Inst., Wiesbaden*, 1911, 43, 591-626, pls. 52-53. [33r: *Prsb* *Mc*]

595. Cunningham, D. J. The varying form of the stomach in man and the anthropoid ape. *Trans. roy. Soc. Edinb.*, 1906, 45, 9-47, 4 pls. [+ 5f-1t-60r: *Pn Png*]

596. Duvernoy, G. L. Quelques observations sur le canal alimentaire des semnopithèques, et description d'un sphincter oesophagien du diaphragme dans ces animaux et dans plusieurs autres genres de singes. *Mem. Soc. Sci. Nancy*, 1835, 2, 8 pp., pl. 1. [nr: *Prsb Mc Pp Mndr*]

597. E[vans], G. Crania of the red, or Asiatic Orang Otang (*Pithecus satyrus*, Geoff.). Inflated and dried stomach and caecum of the *Semnopithecus entellus*, or Hanuman monkey. *J. Asiatic Soc. Beng.*, 1838, 7, 669. [*Png Prsb*]

597a. Hara, M. Form und Lagerung des Magens bei Säugetieren. *Jap. J. med. Sci., I. Anat.*, 1931, 2, 337-448, 8 pls., 1 tbl. [+ 64r: *Mc*]

598. Hombron, & Jacquinot. Note sur le *Nasalis larvatus* (Geoffroy-Saint-Hilaire). *C. R. Acad. Sci., Paris*, 1845, 21, 155-158. [*Nas*]

599. Liebert, Anna. Über die Fundusdrüsen des Magens beim Rhesus-Affen. *Arb. anat. Inst., Wiesbaden*, 1904, 23, 495-540, pls. 17-19. [2f-23r: *Mc*]

599a.* Miyagawa, Y. & Nishi, G. (Beiträge zur Kenntnis über die Verbreitung der Magendrüsen.) *Tokyo Ij. Shsh.*,* 1922, 19-26. Abstr.: *Jap. J. med. Sci.*, 1925, 2, no. 2, 81. [3f-*Jap.*: *Mc*]

600. Owen, R. On the stomachs of two species of *Semnopithecus*, F. Cuv. *Proc. zool. Soc. Lond.*, 1833, 74-76. [*Prsb*]

601. Owen, R. On the sacculated form of stomach as it exists in the genus *Semnopithecus*, F. Cuv. *Trans. zool. Soc. Lond.*, 1835, 1, 65-70, pl. 8-9. [*Prsb*]

602. Pernkopf, E. Beiträge zur vergleichenden Anatomie des Vertebratenmagens. *Z. Anat. EntwGesch.*, 1929, 91, 329-390. [+ 44f-r: *Prsb*]

603. Pettigrew, J. B. On the distribution of the fibres in the muscular tunics of the stomach in man and other mammalia. *Proc. roy. Soc.*, 1867, 16, 65-67. [+ + abstr.: *Pn Png Ceb Ail*]

604. Pilliet, A. & Boulart, R. Note sur l'estomac composé du semnopithèque. *C. R. Soc. Biol., Paris*, 1898, 50, 216-218. [*Prsb*]

605. Salomon, H. Beiträge zur Anatomie des Magens der catarrhinen Affen (*Cercopithecus* und *Inuus*). *Arch. mikr. Anat.*, 1893, 41, 19-27, pls. 5-6. [*C-c Mc*]

See also: 228, 236, 283, 571, 618a, 622, 2646b.

INTESTINE

606. Berry, R. J. A. The true caecal apex, or the vermiform appendix: its minute and comparative anatomy. *J. Anat., Lond.*, 1900, 35, 83-100, pls. 7-11. [+ 4f-6r: *C-p Cyn-p Myst Hap*]

607. Carleton, Alice. The distribution of Brunner's glands in the duodenum of mammals. *Proc. zool. Soc. Lond.*, 1935, (1), 385-390, 1 pl. [+ 10r: *Mc*]

608. Citterio, V. Cellule enterocromaffini e cellule di Paneth nell'intestino di "*Cercocebus lunulatus*." *Monit. zool. ital.*, 1929, 40, 136-139. [7r: *C-c*]

609. Hervé, G. De l'existence d'un appendice caecal rudimentaire chez quelques pithèciens. *Bull. Soc. Anthropol. Paris*, 1882, (3), 5, 792-794. [*C-p Mc*]

610. Jacobshagen, E. Das Schleimhautrelief des Prosimier-Rumpfdarmes mit Beiträgen zur Kenntnis der Kerkringschen Faltsysteme der Anthropoiden und des Menschen. *Jena. Z. Naturw.*, 1929, 64, 1-90, pls. 1-4. [*It-nr: Gr Pn Hyl Lm Pr-p ?Lor Nyct-Glg Daub Tars*]

611. Johnston, T. B. The ileo-caecal region of *Callicebus personatus*, with some observations on the morphology of the mammalian caecum. *J. Anat., Lond.*, 1919, 54, 66-78.

[++ 8f-14r: C-p Cal-c Tars]

611a. Kostanecki, K. Le caecum des vertébrés (y compris "l'appendice vermiculaire"). Morphologie et signification fonctionnelle. *Bull. int. Acad. Cracovie; Cl. Sci. math. nat.; Ser. B., Sci. nat.*, 1926, Supplément, 295 pp., 10 pls.

[++ 31f-vnr: Gr Pn Png Hyl Prsb Clb C-p Mc Pp Mndr Aot Ceb Lag Atl Al Hap Myst Lm Hp-l Lp-l Mcr-c Lor Nyct-c Prdct Glg Daub Tars]

612. van Loghem, J. J. Das Colon und Mesocolon der Primaten. *Ned. Bijdr. Anat.*, 1903, 2, 350-437.

[++ 37f-nr: Pn Hyl SympH Prsb Nas Clb C-p C-c Mc Pp Aot Saim Ceb Atl Hap Lm Mcr-c Chrg Pr-p Avh Lor Nyct-c Prdct Glg Daub Tars]

613. Lorin-Epstein, M. J. Evolution und Bedeutung des Wurmfortsatzes und der Valvula ileocaecalis im Zusammenhang mit der Aufrichtung des Rumpfes. *Z. Anat. EntwGesch.*, 1932, 97, 68-144.

[++ 40f-r: Pn Png C-c Mc Pp]

614. Lubosch, W. & Schaller, J. Über die Form des menschlichen Rectums. *Z. Anat. EntwGesch.*, 1928, 85, 400-445.

[++ 45f-37r: Pn SympH Prsb C-p Mc Pp Saim Ceb Atl Hap]

615. Mitchell, P. C. On the intestinal tract of mammals. *Trans. zool. Soc. Lond.*, 1905, 17, 437-536.

[+ 50f-27r: Gr Pn Png Nas C-p Mc Cal-c Cacaj Ceb Atl Al Hap Myst Lm Mcr-c Prdct Glg]

616. Mitchell, P. C. Further observations on the intestinal tract of mammals. *Proc. zool. Soc. Lond.*, 1916, (1), 183-251.

[+ 30f-r: Lm Chrg Daub]

617. Muthmann, E. Beiträge zur vergleichenden Anatomie des Blinddarmes und der lymphoiden Organe des Darmkanals bei Säugetieren und Vögeln. *Arch. anat. Inst., Wiesbaden*, 1913, 48, 65-114, pls. 5-10.

[+ 25r: Png C-p Mc Pp Hap]

618. Neuville, H. Signification de l'appendice vermiculaire des primates. Mécanisme évolutif de sa formation; ses rapports avec le régime, ses fonctions. *Anthropologie, Paris*, 1922, 32, 409-451.

[1f: Gr Pn Png Hyl Prsb C-p C-c Mc Aot Cal-c Saim Ceb Lag Al Hap Lm Hp-l Lp-l Chrg Indr Prdct Glg Daub]

618a. Ohkubo, K. Studien über das intramurale Nervensystem des Verdauungskanal. III. Affe und Mensch. *Jap. J. Med. Sci., I. Anat.*, 1936, 6, 219-247.

[+++ 34f: Mc]

619. Reider, N. The primate colon. *Proc. zool. Soc. Lond.*, 1936, (1), 433-453, 10 pls.

[41r: Pn Png C-p Mc Pp Ceb Hap Lm Mcr-c Nyct-c Prdct Glg Daub Tars]

619bis. van der Schaar, Pieter Johannes. *De Musculus suspensorius duodeni van Treitz en het duodenum*. Acad. proefschr. (Geneesk.) Leiden. Zutphen: Nauta & co., 1926, 156 pp., 8 pls.

[++ 71r: Pn Png SympH Prsb C-p Mc Saim Ceb Atl Al Hap Chrg Indr Glg]

619a. Schabadasch, A. Intramurale Nerven-geflechte des Darmrohrs. *Z. Zellforsch.*, 1930, 10, 320-385.

[+++ 33f-vnr: Mc]

620. Schultze, W. Ueber Beziehungen der Lieberkühnschen Krypten zu den Lymphknötchen des Dickdarmes. *Zbl. allg. Path. path. Anat.*, 1905, 16, 99-103.

[+++ 1f: Gr Pn Png C-p Mc]

621. Shimizu, S. Darmzotten und ihre Gefäße, insbesondere die Chylusgefäße der Säugtiere und des Menschen. *Folia anat. japon.*, 1932, 10, 193-227, pl. 1.

[+ 71f: Mc]

622. Vermes, E. & Weidholz, A. Zur vergleichenden Anatomie des Magen-Darmkanals der Primaten in Hinblick auf die Ernährungsfrage. *Zool. Gart., Lpz.*, 1930, n.f., 3, 28-34.

[14f: Prsb Ery-c C-p Mc Saim Ceb Lag Atl Al Hap]

623. Villemin, F. Recherches d'anatomie comparée sur le duodénum de l'homme et des mammifères; sa signification morphologique et fonctionnelle. *Arch. Morph. gén. exp.*, 1922, fasc. 3, 140 pp.

[+ 29f-nr: C-p Mc Ceb]

624. Weinberg, [M.] De l'existence de l'appendice chez les singes inférieurs. *C. R. Soc. Biol., Paris*, 1906, 60, 844-845.

[C-p Mc Hap]

625. Zipkin, Rachel. Beiträge zur Kenntnis der größeren und feineren Strukturverhältnisse des Dünndarms von *Inuus rhesus*. *Arch. anat. Inst., Wiesbaden*, 1903, 23, 113-186, pls. 10-11.

[15f-53r: Mc]

626.* Zipkin, Rachel. Beiträge zur Kenntnis der größeren und feineren Strukturverhältnisse des Dünndarms von *Inuus rhesus*. Inaug.-Diss. Bern, 1903, 75 pp., 1 pl.

[Mc]

See also: 105, 106, 144, 179, 187, 202, 236, 237, 245, 246, 283, 456, 490, 596, 644, 645.

RECTUM & ANUS

See also: 618a, 659, 688; 695, 1622, 1624, 1625, 2367.

LIVER & GALL BLADDER

627. Chudzinsky, [T.] Note sur le foie d'un jeune gorille mâle, mort au Muséum d'histoire naturelle. *Bull. Soc. Anthropol. Paris*, 1884, (3), 7, 608-616.

[2f: Gr]

628. Crisp, E. On the situation, form, and capacity of the gall-bladder in the Vertebrata; on its absence in certain animals; and on the colour of the bile. *Proc. zool. Soc. Lond.*, 1862, 132-139. [+ Pn Png Lm]

629. Friedlowsky, A. Ueber gelappte Gallenblase bei einer Katze und einem Affen. *Verh. zool.-bot. Ges. Wien*, 1870, 20, 1027-1032, pl. 15. [++ C-p]

630*. Manteuffel-Szoege, L. Antropomorfologja watroby. (Anthropomorphology of the liver). *Arch. Nauk anthrop.*, 1933, 3, no. 5, 1-40. [34f]

631. Rex, H. Beiträge zur Morphologie der Säugerleber. *Morph. Jb.*, 1888, 14, 517-617, pls. 20-24. [Pn Png C-p Mc Pp Lor]

632. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. *Morph. Jb.*, 1902, 29, 450-552. [25f: Lm Mcr-c Avh Lor Nyct-c Prdct Glg Daub Tars]

633. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. III. Die Leber der platyrrhinen Westaffen. *Morph. Jb.*, 1902, 30, 42-84. [17f: Ceb Atl]

634. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. IV. Die Leber der Ostaffen (*Simiae catarrhinae*). *Morph. Jb.*, 1906, 35, 75-239. [58f-nt-17r: C-p Ery-c Mc Pp Mndr]

635. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. V. Die Leber der Ostaffen (*Simiae catarrhinae*). *Morph. Jb.*, 1906, 36, 93-275. [46f-30t-33r: Gr Pn Png Hyl Symp]

636. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. VI. Die Leber des Menschen. *Morph. Jb.*, 1907, 37, 397-487. [++ 56f-16t: Pn Png Hyl Symp C-p Mc Pp Ceb Atl Nyct-c]

637. Ruge, G. Die äusseren Formverhältnisse der Leber bei den Primaten. Eine vergleichend-anatomische Untersuchung. VI. Die Leber des Menschen. (1. Fortsetzung.) *Morph. Jb.*, 1908, 37, 614-660. [+ 24f-7t: Pn Png Hyl Symp C-p Mc Pp]

638. Subba Rau, A. Notes on a case of triplicate gall-bladder in *Loris lydekkerianus* Cabr. *Half-yrly J. Mysore. Univ.*, 1928, 2, 10-19. [4f: Lor]

See also: 105, 106, 219, 224, 225, 246, 283a, 534.

PANCREAS

639. van Balen Blanken, Gerardus Cornelis. *Bijdrage tot de kennis der anatomie van pancreas en lymphaatstelsel der primaten*. Acad. proefschr. (Geneesk.) Amsterdam, 1912, 70 pp. [+++ 25f-13r: Gr Pn Hyl Symp Prsb Ery-c Mc Pp Saim Ceb Atl Al Hap Lm Nyct-c Daub]

640. Debeyre, A. Pancréas accessoire chez *Cercocebus cynomologus*. *Bibliogr. anat.*, 1905, 14, 211-213. [Mc]

641. Harris, V. D. & Gow, W. J. Note upon one or two points in the comparative histology of the pancreas. *J. Physiol.*, 1894, 15, 349-360. [+ 6f: monkey]

641a. Levi, G. Contributo all'istologia comparata del pancreas. *Anat. Anz.*, 1904, 25, 289-298, pl. 3. Abstr.: *Arch. ital. Biol.*, 1905, 43, 320. [+++ Lm]

642. Thompson, W. R. & Hussey, R. The geometric properties of microscopic configurations. II. Incidence and volume of islands of Langerhans in the pancreas of a monkey. *Biometrika*, 1932, 24, 27-38. [1f-4t: Mc]

643. Thompson, W. R., Tennant, R. & Hussey, R. Frequency-distribution of volume of islands of Langerhans in the pancreas of man, monkey and dog. *Science*, 1933, n.s., 78, 270. [1f]

See also: 105, 106, 283, 298.

PERITONEUM & MESENTERY

644. Forster, A. Zur Anatomie der primären Peritoneumfalten des Cäcalapparates und der Recessus Ileo-Cäcalis. Eine vergleichend-anatomische Untersuchung: Mammalia. *Arch. anat. Inst. Wiesbaden.*, 1918, 56, 1-170. [+ 68f-4t-vnr: Gr Pn Png Hyl Prsb C-p Mc Mndr Ceb Atl Hap Lm Nyct-c Prdct Glg Tars]

645. Klaatsch, H. Zur Morphologie des Mesenterialbildungen am Darmkanal der Wirbeltiere. II. Theil. Säugethiere. *Morph. Jb.*, 1892, 18, 609-716, pls. 22-23. [+ 19f-69r: Pn Png Hyl Prsb C-p Mc Pp Ceb Al Hap Hp-l Lor Glg Tars]

646. Vignoli, J. Étude du péritoine sur un aye-aye de Madagascar (*Chiromys madagascariensis*). *Arch. Anat., Strasbourg*, 1922, 1, 309-322. [6f: Daub]

See also: 149, 245, 298, 619, 634, 635.

The Endocrine Glands

THYMUS

647. Nierstrasz, H. F. Die Embryonalentwicklung von Thymus und ultimobranchialem Körper bei *Tarsius* und *Nycticebus*. *Zool. Jb. Suppl.*, 1912, 15, (2), 229-256, pls. 14-15.

[nr: *Nyct-c Tars*]

See also: 150, 283, 291, 298, 299, 649, 2407.

THYROID

648. Forsyth, D. The comparative anatomy, gross and minute, of the thyroid and parathyroid glands in mammals and birds. *J. Anat., Lond.*, 1908, 42, 141-169.

[+ 10f: *C-p C-c Mc Cyn-p*]

649. Otto, M. Beiträge zur vergleichenden Anatomie der Glandula thyroidea und Thymus der Säugethiere. Nebst Bemerkungen über die Kehlsäcke von *Lemur varius* und *Troglodytes niger*. *Ber. naturf. Ges. Freiburg i. B.*, 1898, 10, 33-90.

[+ 75r: *Pn Lm*]

650. Popow, N. A. Über die Innervation der Glandula thyroidea. (Vorläufige Mitteilung.) *Z. ges. Neurol. Psychiat.*, 1927, 110, 383-397.

[+ 14f-28r: *Png*]

651. Stefko, W. H. Die vergleichende mikroskopische Anatomie der endokrinen Drüsen einiger Affengattungen und die Bedeutung des inkretorischen Systems in der Evolution der Primaten. *Z. mikr.-anat. Forsch.*, 1929, 16, 295-330.

[7f: *Mc Pp Mndr Ceb Atl Hap*]

652. Zoja, G. L'appendice della glandola tiroidea nel *Cynocephalus babouin*. *Boll. sci.*,* 1880, 2, 16-17.

[*Pp*]

See also: 150, 2407.

PARATHYROID

653. Arndt, H.-J. Epithelkörperchenbefunde bei Menschenaffen. *Z. Anat. EntwGesch.*, 1923, 68, 514-522.

[3f-25r: *Pn Mc*]

See also: 648, 651, 652, 2407.

ADRENAL

654. Botar, J. & O'Shaughnessy, L. L'innervation de la glande surrénale. *Anat. Anz.*, 1936-37, 83, ErgH., 89-90. Also: *C.R. Ass. Anat.*, 1936 [1937], 31, 77-78.

[+ *Abstr.*]

655. Hill, W. C. O. Observations on the growth of the suprarenal cortex. *J. Anat., Lond.*, 1930, 64, 479-502.

[++ 9f-20r: *Mc Hap Lm Nyct-c*]

656. Hill, W. C. O. The suprarenal cortex in monkeys of the genus *Pithecus*. *J. Anat., Lond.*, 1933, 68, 19-38.

[8f-1t: *Prsb*]

657. Kohno, S. Zur vergleichenden Histologie und Embryologie der Nebenniere der Säuger und des Menschen. *Z. Anat. EntwGesch.*, 1925, 77, 419-480.

[+ 29f-nr: *C-p*]

658. Kolmer, W. Über das Vorkommen stäbchenförmiger Centralkörper bei Primaten. *Anat. Anz.*, 1917, 50, 309-312.

[++ 5f: *Pn Png SympH*]

See also: 272, 273, 277, 298, 299, 651.

HYPOPHYSIS & EPIPHYSIS

(See page 117)

OVARY & TESTIS

(See pages 45 & 46)

The Urogenital System

GENERAL MORPHOLOGY

Comprehensive & General Studies

659. Fischer, Eugen. *Beiträge zur Anatomie der weiblichen Urogenitalorgane des Orang-Utan*. Inaug.-Diss. Freiburg. Jena: G. Fischer, 1898, 66 pp., 3 pls. Idem: *Morph. Arb.*,* 1898, 8, 153-218, pls. 15-17. [88r: Png]

660. Gerhardt, U. Bemerkungen über das Urogenitalsystem des weiblichen Gorilla. *Verh. dtsh. zool. Ges.*, 1905, 15, 135-140. [8r: Gr]

661. Gerhardt, U. Die Morphologie des Urogenitalsystems eines weiblichen Gorilla. *Jena Z. Naturw.*, 1906, 41, 632-654, pl. 32. [++ 1f-21r: Gr Png]

662. von Hoffman, G. Ueber die weiblichen Genitalien eines Schimpansen. *Z. Geburtsh. Gynäk.*, 1878, 2, 1-8, pls. 1-2. [Pn]

663. Horiuchi, K. Beobachtungen über den Genitalapparat eines zwei jährigen Weibchens von Chimpanse. *Ber. naturf. Ges. Freiburg i. B.*, 1893, 7, 153-168. [10f: Pn]

664. Mijsberg, W. A. Ueber den Bau des Urogenitalapparates bei den männlichen Primaten. *Verh. Akad. Wet., Amst., Sect. 2*, 1923, 23, no. 1, 92 pp. [23f-81r: Pn Png Symp Prsb C-p Mc Pp Saim Ceb Atl Oed-m]

665. Subba Rau, A. & Hiriyanaiya, S. Contributions to our knowledge of the anatomy of the Lemuroidea. II. The urino-genital system of *Loris lydekkerianus*. *Half-yrly J. Mysore Univ.*, 1930, 4, 149-167, 2 pls. [3f-7r: Lor]

666. Wislocki, G. B. On the female reproductive tract of the gorilla, with a comparison of that of other primates. *Contr. Embryol. Carneg. Instn.*, 1932, 23, 163-204, 12 pls. [4f-3t-61r: Gr Pn Png Hyl Mc Aot Saim Ceb Atl Al Hap Oed-m]

See also: 145, 172, 200, 211, 244, 253, 278, 288, 291, 327, 741, 2410.

DIMENSIONS, WEIGHTS, &c.

See also: 277, 656, 669, 1956.

HISTOLOGY

See also: 666, 670, 675, 694, 698, 715, 716, 717, 718, 720, 722, 2846, 2857.

EMBRYOLOGY

See also: 105, 106, 667, 674, 684, 696, 728, 734, 743, 749, 2897.

ANOMALIES

See also: 671, 693, 724, 747, 750, 754, 755, 756, 757, 758, 759, 760, 762.

KIDNEY & URETERS

667. Anthony, R. & Villemin, F. La lobation du rein foetal chez les primates. *C. R. Acad. Sci., Paris*, 1923, 176, 1245-1247. [1f: Gr Pn C-p]

668. Hyrtl, J. Das Nierenbecken der Säugethiere und des Menschen. *Denkschr. Akad. Wien*, 1872, 31, Abt. 1, 107-140, 7 pls. [+ Mc Pp Atl Lm Lor]

669. Inouye, C. Über den Lappenbau der Niere. Eine phylogenetische Studie. *Anat. Anz.*, 1931, 72, 89-105. [+ 6f-1t-12r: C-p Mc Ceb Hap Avh Nyct-c]

670. Kohda, T. On the total number of glomeruli in the kidneys of animals. *Jap. J. med. Sci., I. Anat.*, 1934, 4, 383-398. [+ 14t-r: "monkey"]

670a. Rumpf, Werner. *Die äussere Form der Niere der drei anthropomorphen Affen*. Inaug.-Diss. (Zahnheilk.) Münster, H. Buschmann, 1937, 38 pp. [18f-r: Gr Pn Png]

671. Scott, H. H. Congenital malformations of the kidney in reptiles, birds, and mammals. *Proc. zool. Soc. Lond.*, 1925, (2), 1259-1270, 5 pls. [+ Lm Mcr-c]

672. Straus, W. L., Jr. The structure of the primate kidney. *J. Anat., Lond.*, 1934, 69, 93-108. [+++ 4f-1t-r: Pn Png Hyl Prsb C-p Ery-c C-c Mc Pp Aot Saim Ceb Atl Hap Oed-m Lm Nyct-c Prdct Glg Tars]

See also: 275, 296, 299, 691, 752, 1956.

URINARY BLADDER & URETHRA

673. Forster, A. Étude de l'évolution phylogénétique de la vessie dans la série des mammifères supérieurs: prosimiens et primates. *Arch. Anat., Strasbourg*, 1922, 1, 205-244. [5f-r: Pn Hyl Prsb Mc Ceb Atl Hap Lm Prdct Glg]

674. Rossi, F. Vergleichende Untersuchungen über den Urachus. *Z. Anat. EntwGesch.*, 1932, 98, 32-96. [+ 24f-2t-nr: Chirop Saim Ceb Al Nyct-c]

See also: 105, 106, 144, 283, 664, 690, 691, 2376.

MALE GENITAL ORGANS

(excl. of penis)

675. Branca, A. Les canalicules séminipares chez les lémuriniens en captivité. *C. R. Soc. Biol., Paris*, 1903, 55, 1034-1035. [Lm]
676. Branca, A. Les voies spermatiques chez *Lemur rufifrons*. *C. R. Soc. Biol., Paris*, 1903, 55, 1119-1120. [Lm]
677. Branca, A. Recherches sur le testicule et les voies spermatiques des lémuriniens en captivité. *J. Anat., Paris*, 1904, 40, 35-72, pls. 1-2. [1f-nr: Lm]
678. Frankl, O. Beiträge zur Lehre von Descensus testicularum. *S. B. Akad. Wiss. Wien, Abt. 3*, 1900, 109, 107-264, 5 pls. [+ 24f-nr: Mc Pp Leon-c Lm Glg Daub]
679. Heller, J. & Sprinz, O. Beiträge zur vergleichenden und pathologischen Anatomie des Colliculus seminalis. *Z. urol. Chir.*, 1921, 7, 196-258. [+ 51f: Prsb Ceb]
680. Hütt, Alice. Recherches anatomiques et histophysiologiques sur l'utricule prostatique. *Arch. Anat., Strasbourg*, 1926-27, 6, 361-394, 2 pls. [+ 5f-2t-nr: Mc]
681. Kaudern, W. Über die Glandulae vesiculares bei *Chiromys madagascariensis*. *Ark. Zool.*, 1915, 9, no. 7, 5 pp. [4f: Daub]
682. Klaar, J. & Krasa, F. C. Zur Anatomie der akzessorischen Geschlechtsdrüsen der Prosimier und Primaten. I. Teil. Vesicula seminalis und Prostata. *Z. Anat. EntwGesch.*, 1921, 61, 41-75. [19f: Prsb C-p C-c Mc Pp Mndr Saim Ceb Atl Hap Lm Chrg Lor Nyct-c]
683. Klaatsch, H. Über den Descensus testicularum. *Morph. Jb.*, 1890, 16, 587-646, pls. 22-23. [+ 3f-41r: Gr Ceb Lor]
684. Klaatsch, H. Über embryonale Anlagen des Scrotums und der Labia majora bei Arctopitaken. *Morph. Jb.*, 1892, 18, 383. [Hap]
685. Kollmann, M. Sur quelques points de l'anatomie des organes génitaux mâles des lémuriniens. *C. R. Acad. Sci., Paris*, 1912, 155, 861-863.
686. Kollmann, M. Organes génitaux mâles des lémuriniens. *C. R. Ass. franç. Av. Sci.*, 1912, 41, 405-411. [Lm Hp-l Mcr-c Chrg Avh Pr-p Indr Lor Nyct-c Prct Glg Daub Tars]
687. Leuckart, R. Vesicula prostatica. Article in: *The cyclopaedia of anatomy and physiology*. Robert B. Todd, ed. London: Longman, Brown, [etc.], 1849-52, vol. 4, pt. 2, pp. 1415-1429. [+ 11f: Pn Mc Pp Mndr Hap Lm]
688. Leydig, F. Zur Anatomie der männlichen Geschlechtsorgane und Analdrüsen der Säugethiere. *Z. wiss. Zool.*, 1850, 2, 1-57, pls. 1-4. [+ C-p Pp Al]
689. Oudemans, J. T. Die accessorischen Geschlechtsdrüsen der Säugethiere. Vergleichend-anatomische Untersuchung. *Natuurk. Verh. holland. Maatsch. Wet.*, 1892, (3), 5, 96 pp., 16 pls. [+ 100r: Png Symph Prsb C-p Mc Mndr Ceb Hap Lm Nyct-c Prct Daub]
690. de Pousargues, E. Sur l'appareil génital mâle de l'orang-outan *Simia satyrus* (L.). *C. R. Acad. Sci., Paris*, 1894, 119, 238-240. [Png]
691. de Pousargues, E. Note sur l'appareil génital mâle des orang-outans. *Nouv. Arch. Mus. Hist. nat., Paris*, 1895, (3), 7, 57-82, pl. 5. [Png]
- 691a. Retterer, É. & Voronoff, S. Structure des testicules d'un chimpanzé et résultats physiologiques de leur greffe. *C. R. Soc. Biol., Paris*, 1923, 88, 339-340. [Pn]
692. Schultz, A. H. The relative weight of the testes in primates. *Anat. Rec.*, 1938, 72, 387-394. [3t-3r: Pn Png Hyl Prsb Nas Mc Pp Aot Lag Atl Al Oed-m]
693. Sibley, W. K. Undescended right testicle, hypertrophy of the left one in a monkey. *J. Anat., Lond.*, 1888, 22, xxiv-xxvi. [2f: Mc]
694. Silbermann, U. Zur vergleichenden Morphologie des Zwischengewebes im Säugerhoden. *Z. Anat. EntwGesch.*, 1929, 90, 597-613. [++ 21f-nr: C-c Mc Pp Ceb]
695. Sonntag, C. F. On the pelvic muscles and generative organs in the male chimpanzee. *Proc. zool. Soc. Lond.*, 1923, (2), 1001-1011. [7f-10r: Pn]
696. Wislocki, G. B. Observations on the descent of the testes in the macaque and in the chimpanzee. *Anat. Rec.*, 1933, 57, 133-148, 2 pls. [2t-13r: Pn Mc]
697. Zuckerman, S. & Krohn, P. L. The hyatids of Morgagni under normal and experimental conditions. *Philos. Trans.*, 1937, B, 228, 147-172, pls. 15-20. [+++ 5t-37r: Prsb C-p Mc Mndr Pp Hap]
698. Zuckerman, S. & Parkes, A. S. Observations on the structure of the uterus masculinus in various primates. *J. Anat., Lond.*, 1935, 69, 484-496, 5 pls. [nr: Pn C-p Mc Pp Hap Lm Tars]

See also: 114, 144, 187, 194, 324, 664, 704, 737, 751, 1021, 1956, 2741, 2943.

PENIS

699. de Beaux, O. Osservazioni morfologiche e sistematiche sul penis del *Macacus arctoides*, Js. Geoffr. e di cinque altre specie di macachi. *G. Morf.*, 1917, 1, 1-12, pl. 1. [Mc Cyn-p]

700. de Beaux, O. Sul pene degli antropomorfi. *G. Morf.*, 1917, 1, 222-227. [4f: Gr Pn Png Hyl]

701. **Chaine, J.** L'os pénien; étude descriptive et comparative. *Act. Soc. linn. Bordeaux*, 1926, 78, 5-195. [+ 130f: C-p C-c Mc Pp Ceb Lm Mcr-c Chrg Pr-p Nyct-c Glg Daub Tars]

702. **Crisp, E.** On the os penis of the chimpanzee (*Troglodytes niger*) and of the orang (*Simia satyrus*). *Proc. zool. Soc. Lond.*, 1865, 48-49. [1f: Pn Png]

703. **Gerhardt, U.** Ueber das Vorkommen eines Penis- und Clitorisknochens bei Hylobatiden. *Anat. Anz.*, 1909, 35, 353-358.

[6f: Pn Png Hyl Symph C-p Mc Cyn-p Pp]

703a. **Jacoby, M.** Über das sogenannte Os penis. *Z. urol. Chir.*, 1924, 16, 102-112.

[++ 8f-nr: Pn]

704. **Kaudern, W.** Studien über die männlichen Geschlechtsorgane von Insectivoren und Lemuriden. *Zool. Jb., Abt. 2*, 1911, 31, 1-106.

[++ 46f-4t-nr: Lm Lp-l Mcr-c Chrg Avh Pr-p Indr Nyct-c Prdct Glg Daub]

704a. **Pocock, R. I.** The systematic value of the glans penis in macaque monkeys. *Ann. Mag. nat. Hist.*, 1921, (9), 7, 224-229. [2f: Mc]

705. **Pohl, L.** Beiträge zur Kenntnis des Os penis der Prosimier. *Anat. Anz.*, 1910, 37, 225-231. [7f: Lm Mcr-c Nyct-c Glg Tars]

706. **Pohl, L.** Zur Morphologie der männlichen Kopulationsorgane der Säugetiere; insbesondere der Versuch einer vergleichend-anatomischen Studie über den Penis der Primaten, einschliesslich des Menschen. *Z. Anat. EntwGesch.*, 1928, 86, 71-119, pls. 1-3. [++ 8f-3t-nr: Pn Png Hyl Symph Prsb Nas C-p Ery-c C-c Mc Cyn-p Pp Ceb Lag Brchyt Atl Al Hap Lm Nyct-c Glg]

707. **Retterer, É.** Du gland de l'orang-outan. *C. R. Soc. Biol., Paris*, 1915, 78, 383-387.

708. **Retterer, É. & Neuville, H.** Du pénis et du gland de quelques lémurien. *C. R. Soc. Biol., Paris*, 1914, 77, 509-512. [Lm Glg Daub]

709. **Retterer, É. & Neuville, H.** Du gland des singes. *C. R. Soc. Biol., Paris*, 1914, 77, 535-538. [Mc Mndr]

710. **Retterer, É. & Neuville, H.** Du muscle rétracteur du pénis de certains lémurien. *C. R. Soc. Biol., Paris*, 1915, 78, 79-80. [Lm]

711. **Retterer, É. & Neuville, H.** Du gland et du pénis d'un chimpanzé. *C. R. Soc. Biol., Paris*, 1915, 78, 362-365. [Pn]

712. **Retterer, É. & Neuville, H.** Développement comparé du gland et du prépuce des singes et de l'homme. *C. R. Soc. Biol., Paris*, 1915, 78, 387-390. [C-p Mc Pp]

713. **Retterer, É. & Neuville, H.** L'organisation du chimpanzé comparée à celle de l'homme. *C. R. Soc. Biol., Paris*, 1923, 88, 478-480. [Pn]

713a. **Sestini, F.** Sulla presenza, forma e struttura de l'os penis in Cinocefalo amadiade. *Atti Accad. Fisiocr. Siena, Sez. med.-fis.*, 1936, (11), 4, 190-195, 1 pl. [3f: Pp]

See also: 73, 144, 164, 178, 202, 323, 324, 690, 691, 695, 751, 1021, 2484a, 2924, 3534.

OVARY & FALLOPIAN TUBE

714. **Andersen, Dorothy H.** Comparative anatomy of the tubo-uterine junction. Histology and physiology in the sow. *Amer. J. Anat.*, 1928, 42, 255-305. [+ 5pl-2f-17r: Mc Al]

715. **Corner, G. W., Bartelmez, G. W. & Hartman, C. G.** On normal and aberrant corpora lutea of the rhesus monkey. *Amer. J. Anat.*, 1936, 59, 433-457. [7pl-1f: Mc]

716. **Frommolt, G.** Studien an Makakusovarien. *Z. Geburtsh. Gynäk.*, 1934, 107, 165-178.

[8f-1t: Mc]

717. **Joachimovits, R.** Studien zu Menstruation, Ovulation. Aufbau und Pathologie des weiblichen Genitales bei Mensch und Affe (*Pithecus fascicularis mordax*). II. Teil: Eileiter und Ovar. *Biol. gen.*, 1935, 11, 281-348, pls. 6-8.

[++ 20f-vnr-annotated bibl: Mc]

718. **Joseph, H.** Histologische Beobachtungen am Anthropoidenovarium. *Arb. zool. Inst. Univ. Wien.*, 1910, 18, 83-112, 1 pl.

[7f-nr: Png Hyl]

719. **Mac Leod, J.** Contribution à l'étude de la structure de l'ovaire des mammifères. Second partie: Ovaire des primates. *Arch. Biol., Paris*, 1881, 2, 127-144, pls. 8-9. [12r: Png Prsb Ery-c Mc Pp Lm]

720. **Parkes, A. S.** The reproductive processes of certain mammals. II.—The size of the Graafian follicle at ovulation. *Proc. roy. Soc.*, 1931, B, 109, 185-196. [+ 6f-2t: Pp]

721. **Säglük, S.** Ovaries of gorilla, chimpanzee, orang-utan and gibbon. *Contr. Embryol. Carneg. Instn.*, 1938, 27, 179-189, 5 pls.

[1t-10r: Gr Pn Png Hyl Mc]

722. **Stratz, Carl Heinrich.** *Der geschlechtsreife Saeugethiereierstock.* Haag: Martinus Nijhoff, 1898, 65, 1 pp., 9 pls. [+ Tars]

723. **Zuckerkanl, E.** Zur vergleichenden Anatomie der Ovarialtaschen. *Arb. anat. Inst., Wiesbaden*, 1897, 8, 707-799, pls. 60-65.

[+ Png C-p C-c Mc Ceb Brycht Al Hap Lm]

See also: 23, 26, 44, 204, 725, 752, 1956, 2410, 2751, 2865, 2947.

UTERUS

724*. **Bernstein, B.** *A propos d'un cas d'uterus bicornis septus chez Macacus rhesus.* Thèse (Med.) Genève, 1908, 33 pp.

725. Bolk, L. Beobachtungen an einem schwangeren Uterus von Gorilla. *Anat. Anz.*, 1922, 55, 457-463. [6f: Gr]

726. Clark, O. H. & Corner, G. W. The cervix uteri of the rhesus monkey. *Anat. Rec.*, 1935, 63, 247-252. [6f-6r: Mc]

727. Dickinson, R. L. & Hartman, C. G. Similarity in cervix of rhesus monkey and woman. *Amer. J. Obstet. Gynec.*, 1936, 32, 813-822. [++ 2pl: Mc]

728. Forster, A. Le dispositif des ligaments larges dans la série des mammifères supérieurs et dans l'espèce humaine. *Arch. Anat., Strasbourg*, 1928, 8, 359-432. [+++ 12f: Hyl Prsb C-p Mc Ceb Atl Lm Nyct-c Prdct Glg]

729. Franke, H. J. I. B. Der Uterus von *Cercocebus cynomolgus* in den verschiedenen Lebensperioden mit einem Anhang über die Theorie des unteren Uterussegments bei dem Menschen. *Ned. Bijdr. Anat.*, 1902, 1, 326-369, pls. 21-23. [++ nr: Mc]

730. Kohlbrugge, J. H. F. Die Umgestaltungen des Uterus der Affen nach der Geburt. *Z. Morph. Anthropol.*, 1902, 4, 1-16. [34f: Prsb]

731. Kurz, W. Der Uterus von *Tarsius spectrum* nach dem Wurf. *Arb. anat. Inst., Wiesbaden*, 1904, 23, 619-654, pls. 31-34. [Tars]

732. Okkels, H. & Engle, E. T. Studies on the finer structure of the uterine blood vessels of the *Macacus* monkey. *Acta path. microbiol. scand.*, 1938, 15, 150-168. [7f-2t-13r: Mc]

733. Popov, D. D. [Vergleichend-anatomische Untersuchung des Uterus der nichtanthropomorphen Affen, des Menschen und der Tiere.] *Russk. Vrach*, 1909, 8, 809-814, 851-855. [+ 4f-Russian]

734. Retterer, É. & Neuville, H. Les canaux de Gartner d'un singe femelle. *C. R. Soc. Biol., Paris*, 1914, 77, 374-377. [C-c]

735. Retterer, É. & Neuville, H. Forme de l'utérus d'un macaque rhesus à terme, et position du foetus. *C. R. Soc. Biol., Paris*, 1915, 78, 234-237. [Mc]

736. Rouget, C. & Sabatier, A. Note sur les organes érectiles utero-ovariens d'une femelle de magot (*Pithecus inuus*). *Ann. Sci. nat., Zool.*, 1866, (5), 5, 219-225, pl. 8. [Mc]

737. Sandys, O. C. & Zuckerman, S. Observations on the cervix uteri and the urethra of monkeys. *J. Anat., Lond.*, 1938, 72, 352-357, 1 pl. [1f-9r: Mc]

738. Schatz, [F.] Ueber die Uterusformen bei den Affen. *Wien. klin. Wschr.*, 1902, 15, 762. [Abstr.]

739. Strahl, H. Die Rückbildung der Uterus-Schleimhaut nach dem Wurf bei *Tarsius spectrum*. *Versl. gewone Vergad. Akad. Amst.*, 1903, 12, (1), 473-475.—The process of involution of the mucous membrane of the uterus of *Tarsius*

spectrum after parturition. *Proc. Acad. Sci. Amst.*, 1903, 6, (1), 302-305. [Tars]

See also: 44, 45, 50, 61, 84, 714, 723, 743, 2367, 2410, 2773, 2846, 2857, 2865, 2923.

VAGINA & EXTERNAL GENITALIA

740. Ashley-Montagu, M. F. Note on the external genitalia in three female Old World primates. *Anat. Rec.*, 1937, 69, 389-405. [6f-13r: Gr Prsb Lor]

741. von Bischoff, T. L. W. Vergleichend anatomische Untersuchungen über die äusseren weiblichen Geschlechts- und Begattungs-Organe des Menschen und der Affen, insbesondere der Anthropoiden. *Abh. bayer. Akad. Wiss.*, 1879, 13, 2 Abt., 207-274, 6 pls. [++ Gr Pn Png Hyl Clb C-p Mc Pp Ceb Atl Al Hap Oed-m Lm Nyct-c Glg]

742. von Bischoff, T. L. W. Ueber die äusseren weiblichen Geschlechtsteile des Menschen und der Affen. Nachtrag. *Abh. bayer. Akad. Wiss.*, 1880, 13, 3 Abt., 169-177, 1 pl. [+ Gr]

743. Bolk, L. Beiträge zur Affenanatomie. VI. Zur Entwicklung und vergleichenden Anatomie des Tractus urethro-vaginalis der Primaten. *Z. Morph. Anthropol.*, 1907, 10, 250-316. [++ 33f: Pn Png Symph Prsb C-c Mc Pp Aot Saim Ceb Atl Al Leon-c Lm]

744. Dalla Volta, A. Contributo alla morfologia dell'imene nelle proscimmie. *Monit. zool. ital.*, 1924, 35, 207-213. [2f-nr: Lm]

745. Fugger, Augustus Guilelmus Ferdinandus. *De singulari clitoridis in simiis generis Aetelis magnitudine et conformatione*. Inaug.-Diss. (Med.) Berolini, Typis Nietackianis, 1835, 24 pp., 3 pls. [Atl]

746. Hartmann, R. Die weiblichen Geschlechtsteile der anthropoiden Affen und die Brunst der Affen im Allgemeinen. *Z. Ethn.*, 1886, 18, 431-433. [Abstr.]

747. Jaworowski, A. O nieprawidłowém wykształceniu narządu płciowego u samicy pawiana (*Cynocephalus* sp.). (Abnormal sexual organs of a female *Cynocephalus*). *Rozpr. Akad. Um.*, 1884, 12, 114-122, pl. 6. [Pp]

748. Pehrson, T. Beiträge zur Kenntniss der äusseren weiblichen Genitalien bei Affen, Halbaffen und Insectivoren. *Anat. Anz.*, 1914, 46, 161-179. [++ 14f: Mc Atl Lm Chrg Glg]

749. Retterer, É. & Neuville, H. De l'appareil uro-génital d'un lion et d'un maki femelle. *C. R. Soc. Biol., Paris*, 1914, 77, 62-65. [+ Lm]

750. Vallois, H. Un cas de disposition anormale des organes génitaux externes chez un *Saimiri* femelle. *Bull. Soc. Anthropol. Paris*, 1912, (6), 3, 243-247. [3f: Saim]

751. Wislocki, G. B. The external genitalia of the simian primates. *Hum. Biol.*, 1936, **8**, 309-347, 14 pls. [t-nr: Gr Pn Png Hyl Symph Prsb C-p Ery-c C-c Mc Pp Aot Saim Ceb Atl Al Oed-m]

See also: 73, 114, 144, 187, 202, 300, 303, 304, 323, 335, 684, 703, 727, 2367, 2410, 2773, 2889, 2890, 2893, 2897, 3534, 3781, 3784a.

MAMMARY GLANDS

752. Aberle, S. B. D. Growth of mammary gland in the rhesus monkey. *Proc. Soc. exp. Biol.*, N. Y., 1934, **32**, 249-251. [lf: Mc]

753. Annandale, N. Lacteal tract of oriental *Lorisinae*. *Spolia zeylan.*, 1906, **3**, 196. [Nyct-c]

754. Coolidge, H. J., Jr. Symmetrical supernumerary mammae in a chimpanzee. *J. Mammal.*, 1933, **14**, 66-67, pl. 5. [Pn]

755. Elder, J. H. Report of a case of inherited polymastia in chimpanzee. *Anat. Rec.*, 1936, **65**, 83-88. [1 pl-13r: Pn]

756. Hartman, C. G. A case of supernumerary nipple in *Macacus rhesus*, with remarks upon the

biology of polymastia and polythelia. *J. Mammal.*, 1927, **8**, 96-106, pl. 10. [nr: Mc]

757. Hill, W. C. O. Supernumerary nipple in a macaque. *Spolia zeylan.*, 1937, **20**, 257. [Ery-c Mc]

758*. Nestur, M. F. [Accessory mammary glands in primates.] *Antrop. Zh.*,* 1936, no. 3, 327-344. [Russ. with Engl. abstr.; abstr.: *Amer. J. phys. Anthrop.*, 1938, **23**, 233-234: Pn]

759. Schickele, G. Beiträge zur Morphologie und Entwicklung der normalen und überzähligen Milchdrüsen. *Z. Morph. Anthrop.*, 1899, **1**, 506-546. [+ 19f-nr: Hyl Mc Ceb Hap]

760. Sutton, J. B. Supernumerary mammae and nipples in man, monkeys, cows, etc. *Amer. J. med. Sci.*, 1889, **97**, 247-257. [+ Ery-c Mc]

761. Willey, A. The lacteal tract of *Loris gracilis*. *Spolia zeylan.*, 1905, **3**, 160-162. [lf: Lor]

762. Zuckerman, S. Supernumerary nipples in monkeys. *J. Mammal.*, 1935, **16**, 229-230. [Mc Pp]

See also: 150, 164, 2898, 2899.

Osteology, Arthrology & Syndesmology

Skeleton as a Whole

GENERAL MORPHOLOGY

Comprehensive & General Studies

763. Abelin, [A.] Observations sur un squelette de gorille, offert à la Société. *Ann. Soc. Hist. nat. Toulon*, 1912, 3, 156-177. [It: Gr]

764. Aeby, C. Beiträge zur Osteologie des Gorilla. *Morph. Jb.*, 1878, 4, 288-313.
[5f-6t: Gr Hyl Symph C-p Mc Pp Mndr Atl Al]

765. Alix, E. Sur les caractères anatomiques de l'aye-aye. *C. R. Acad. Sci., Paris*, 1878, 87, 219-221. [Daub]

766. d'Alton, J. W. E. Die Skelete der Vierhänder. In: *Vergleichende Osteologie*, by C. H. Pander and J. W. E. d'Alton. Bonn: Ed. Weber, 1824, Abt. 1, Lief. 7, 11 pp., 8 pls. [Png Clb C-p Mndr Atl Al Hap Lm Nyct-c]

767. de Blainville, Henri Marie Ducrotay. *Ostéographie, ou description iconographique comparée, du squelette et du système dentaire des mammifères récents et fossiles. Tome 1. Primates-secundates*. Paris: J. B. Baillièrre et fils, 1839-41, [in fasc.], Atlas I, 59 pls.

768. de Blainville, H. M. D. The comparative osteography of the skeleton and dentar system in the five classes of vertebral animals, recent and fossil. Edited (from the French) and additionally illustrated with numerous notes, observations, and drawings, by Robert Knox, M.D. *Lancet*, 1839-40, (1), 137-145, 185-190, 217-222, 297-305; 1839-40, (2), 209-220, 321-330, 353-368, 385-391, 433-439, 465-470, 513-517, 545-548, 593-597, 625-628, 657-661, 689-693, 737-739, 769-771, 801-805, 833-836, 881-885, 913-916.

[+++ 9f: Pn Png Hyl Symph Prsb C-p Cyn-p Pp Ceb Lm Pr-p Avh Lor Glg]

769. Carruccio, A. Sovra alcuni caratteri morfologici di un *Hylobates mülleri* Martin donato da S. M. il Re Umberto all'Istituto zoologico della R. Univ. di Roma. *Boll. Soc. romana Studi zool.*,* 1899, 8, 1-16, 1 pl. [nr: Hyl]

770. Carus, Carl Gustav. *Zur vergleichenden Symbolik zwischen Menschen- und Affen-Skelet*. Jena: Friedrich Frommann, 1861, 12 pp., 2 pls. [cf. 777: Png]

771.* Duckworth, Wynfrid Laurence Henry. *Descriptive catalogue of specimens in the Museum of Human Anatomy: Pt. II. The comparative osteology of man and the higher apes*. Cambridge: University Press, 1908, 1-40.

772. Duvernoy, [G. L.] Mémoire sur les caractères anatomiques que présentent les squelettes du *Troglodytes tschego*, Duv., et du *Gorilla gina*, Isid. Geoffr.; nouvelles espèces de grands singes pseudo-anthropomorphes de la côte occidentale d'Afrique. *C. R. Acad. Sci., Paris*, 1853, 36, 925-933. [Gr Pn Png Hyl]

773. Earle, C. The lemurs as ancestors of the apes. *Nat. Sci.*,* 1897, 10, 309-313. [Tars]

774. Fischer [von Waldheim], Gotthelf. *Anatomie der Maki, und der ihnen verwandten Thiere. Erster Band enthält die Naturgeschichte und den Knochenbau der Maki*. Frankfurt a.M.: Andreätschen Buchhandlung, 1804, vi, 194 pp., 24 pls. [Lm Hp-l Mcr-c Avh Indr Lor Nyct-c Glg Daub Tars]

775. Flower, William Henry. *An introduction to the osteology of the Mammalia: being the substance of the course of lectures delivered at the Royal College of Surgeons of England in 1870*. London: Macmillan & Co., 1870, xi, 344 pp. [+ 126f: Gr Pn Png Hyl Pp Ceb Lag Atl Al Hap Lm Glg]

776. Fry, E. On the osteology of the active gibbon (*Hylobates agilis*). *Proc. zool. Soc. Lond.*, 1846, 11-18. Idem: *Ann. Mag. nat. Hist.*, 1846, (1), 17, 484-491. [It: Hyl]

777. Garbiglietti, A. Intorno all'opera del consigliere intimo e medico di S. M. il Re di Sussonia, dottore Carlo Gustavo Carus, sulla simbologia comparata tra lo scheletro umano e quello delle scimie. *G. Accad. Med. Torino*, 1862, (2), 43, 470-498. [cf. 770]

778. Gervais, P. Remarques ostéologiques sur les genres brachyure et callitriche, de la tribu des singes américains. Castelnau's *Expédition dans les parties centrales de l'Amérique du Sud*. Paris: P. Bertrand, 1855, Septième partie. Zoologie. Vol. I. Anatomie., 93-95.

779. Gregory, W. K. On the structure and relations of *Notharctus*, an American Eocene primate. *Mem. Amer. Mus. nat. Hist.*, 1920, n.s., 3, 49-243, pls. 23-59. [84f-nt-nr: Gr Mc Ceb Atl Al Lm Lp-l Hp-l Mcr-c Chrg Pr-p Indr Lor Prdct Glg Daub Tars †††]

780. Gregory, W. K. The upright posture of man: a review of its origin and evolution. *Proc. Amer. phil. Soc.*, 1928, 67, 339-374, 2 pls. [+ 15f-nr: Gr Pn Hyl Lm]

781. Halford, George Britton. "Lines of demarcation" between man, gorilla and macaque. Melbourne: Wilson & Mackinnon, 1864, 21 pp. [Gr Mc]

782. Halford, G. B. On the skeleton of the gorilla. *Trans. roy. Soc. Vict.*, 1865-66 [1866], 7, 34-49. [t: Gr]

783. Hartmann, R. Beiträge zur zoologischen und zootomischen Kenntniss der sogenannten anthropomorphen Affen. *Arch. Anat. Physiol. wiss. Med.*,* 1872, 107-152, pls. 3-4; 1872, 474-502, pl. 6; 1875, 265-303, pls. 7-8; 1875, 723-724, pls. 18-19; 1876, 636-661, pls. 14-15. [t-vnr: Gr Pn Png]

784. Heckel, E. Étude sur le gorille du Musée de Brest. *Rev. Anthropol., Paris*,* 1876, 5, 1-20, pl. 1. [Gr]

785. Hervé, G. Observations sur deux squelettes de jeunes orangs. *Bull. Soc. Anthropol. Paris*, 1889, (3), 12, 378-391. [Png]

786. Keith, A. The ligaments of the catarrhine monkeys, with references to corresponding structures in man. *J. Anat., Lond.*, 1894, 28, 149-168. [C-p ?Cyn-p]

787. Kneeland, S., Jr. On the skeleton of the great chimpanzee, *Troglodytes gorilla*. *Boston J. nat. Hist.*, 1852, 6, 336-347. Also: *Ann. Mag. nat. Hist.*, 1852, (2), 10, 23-30. Abstr.: *Proc. Boston Soc. nat. Hist.*, 1852, 4, 209-210. [1t: Gr]

788. Knox, R. Memoir on the gibbon varié, with a critical examination of M. de Blainville's account of the gibbon. *Lancet*, 1839-40, (2), 265-268. [3t: Hy]

789. Knox, R. Inquiry into the present state of our knowledge respecting the orang-outang, and chimpanzee. *Lancet*, 1839-40, (2), 289-296. [1f-2t: Pn Png]

790. Lucae, Johann Christian Gustav. *Der Fuchs-Affe und das Faulthier* (Lemur macaco und *Choloepus didactylus*) in ihrem Knochen- und Muskelskelet. Eine vergleichende anatomisch-physiologische Studie. Frankfurt a. M.: Mahlau & Waldschmidt, 1882, 84 pp., 24 pls. [++ cf. no. 1498: Lm]

791. Lund, E. On the points of resemblance and difference between the skeletons of the gorilla and man. *Proc. lit. phil. Soc. Manchester*,* 1864 [1865], 4, 57-61. [Gr]

792. Mivart, St. G. On the structure and affinities of *Microrhynchus laniger*. *Proc. zool. Soc. Lond.*, 1866, 151-167, pl. 15. [6f-t: Avh]

793. Mivart, St. G. Contributions towards a more complete knowledge of the skeleton of the primates. Part. I. The appendicular skeleton of *Simia*. *Trans. zool. Soc. Lond.*, 1866 [1869], 6, 175-225, pls. 35-43. [6t: Gr Pn Png]

794. Mivart, St. G. On the appendicular skeleton of the primates. *Philos. Trans.*, 1867 [1868], 157, 299-429, pls. 11-14. [+++ 1f-19t: Gr Pn Png Hyl Prsb Clb C-p Mc Pp Aot Cal-c Pith Cacaj Saim Ceb Lag Atl Al Hap Lm Avh Indr Lor Nyct-c Prdct Arct-c Glg Daub Tars]

795. Mivart, St. G. Additional notes on the osteology of the Lemuridae. *Proc. zool. Soc. Lond.*, 1867, 960-975. [7f-t: Lp-l Mcr-c Chrg Pr-p]

796. Mivart, St. G. On *Lepilemur* and *Cheirogaleus*, and on the zoological rank of the Lemuroidea. *Proc. zool. Soc. Lond.*, 1873, 484-510, pl. 43. [18f-nt-r: Lm Lp-l Hp-l Chrg P-p Avh Indr Lor Glg]

797. Murie, J. Observations on the macaques.—III. The Formosan or round-faced monkey. *Proc. zool. Soc. Lond.*, 1872, 771-780. [2f-3t: Mc]

798. Owen, R. On the osteology of the chimpanzee and orang utan. *Trans. zool. Soc. Lond.*, 1835, 1, 343-379, pls. 48-58. [1t: Pn Png]

799. Owen, R. Lecture on the comparison of the apes or anthropoid quadrumana with man. *Med Times Gaz., Lond.*,* 1854, n.s., 8, 509-514. [+++ Gr Pn Png]

800. Owen, R. On the anthropoid apes, and their relations to man. *Not. Proc. roy. Instn.*, 1855, 2, 26-41. [+++ Gr Pn Png]

801. Owen, [R]. Osteological contributions to the natural history of the anthropoid apes. No. VII. Comparison of the bones of the limbs of the *Troglodytes gorilla*, *Troglodytes niger*, and of different varieties of the human race; and on the general characters of the skeleton of the gorilla. *Trans. zool. Soc. Lond.*, 1851 [1866], 5, 1-31, pls. 1-13. [Gr Pn Png]

802. Parsons, F. G. The joints of mammals compared with those of man: a course of lectures delivered at the Royal College of Surgeons of England. *J. Anat., Lond.*, 1899, 34, 41-68, 302-323. [+ 24f: C-p Mc Ceb Atl Lm]

803. Priemel, G. Die Platyrrhinen Affen als Bewegungstypen. Unter besonderer Berücksichtigung der Extremitätenformen *Callicebus* und *Ateles*. *Z. Morph. Ökol. Tiere*, 1937, 33, 1-52. [58f-5t: Aot Cal-c Cacaj Saim Ceb Atl Al]

804. Ranke, J. Ueber die aufrechte Körperhaltung der menschenähnlichen Affen und über die Abhängigkeit der aufrechten Körperhaltung des Menschen vom Gehirn. *KorrespBl. dtsh. Ges. Anthropol.*, 1894, 25, 154-157. Also: *Mitt. anthrop. Ges. Wien*, 1894, n.f., 24, Sitzungsber., 144-147.

805. Shufeldt, R. W. On the osteology of the genera *Lasiopyga* and *Callithrix* with notes upon the osteology of the genera *Seniocebus* and *Aotus*. *Ann. Carneg. Mus.*, 1914, 9, 58-85, pls. 12-21. [C-p Aot Hap Myst]

806. Subba Rau, A. & Sundaresan, K. Contributions to our knowledge of the anatomy of the Lemuroidea. IV. The vertebral column and the appendicular skeleton of *Loris lydekkerianus*. *Half-yrly J. Mysore Univ.*, 1931, 5, 100-190, 2 pls. [20f-t: Lor]

807. Wagner, J. A. Beiträge zur Kenntniss der warmblütigen Wirbeltiere Amerika's. *Abh. bayer. Akad. Wiss.*, 1837, 2, 417-510, 5 pls.
[++ t: Aot Cal-c Chirop Saim Ceb Lag Atl Al Hap]

808. Winge, H. Jordfundne og nulevende Aber (primates) fra Lagoa Santa, Minas Geraes, Brasilien. Med usigt over Abernes indbyrdes slaegtskab. [Singes (primates) fossiles et vivantes de Lagoa Santa, Minas Géraës, Brésil.] *E. Museo lundii*, 1895-96, 2, (2), no. 3, 57 pp., pls. 1-2.
[Fr. abstr. pp. 41-57: Cal-c †††]

See also: 144, 145, 178, 184, 194a, 194b, 199, 203, 211, 212, 221, 227, 229, 230, 251, 352, 811, 856, 1493, 1498, 3975, 4007, 4008, 4028 & Coiter, Riolan, Intr. II; Camper, Hunauld, Josephi, Intr. III.

Skeleton as a whole

OSTEOMETRY

809. Boltze, P. Beiträge zur Anatomie des Knochengerüstes von *Hylobates syndactylus*. *Genbaurs Jb.*, 1926, 56, 317-401.
[30f-nt-nr: Hyl]

810. Bouvier, Jean-Baptiste Marie Henri. *Contributions à l'étude de l'ostéologie comparée du chimpanzé*. Thèse (Med.) Paris, Ganthier-Villers, 1879, 27 pp., 1 tbl.
[Pn]

811. Coolidge, H. J., Jr. *Pan paniscus*. Pigmy chimpanzee from south of the Congo River. *Amer. J. phys. Anthropol.*, 1933, 18, 1-59.
[2pl-4f-14t: Pn]

811a. Kaudern, W. Säugetiere aus Madagaskar. *Ark. Zool.*, 1915, 9, no. 18, 101 pp., 4 pls.
[+++ 27f-vnt: Lm Pr-p]

812. Schultz, A. H. The skeleton of the trunk and limbs of higher primates. *Hum. Biol.*, 1930, 2, 303-438. [+++ 23f-58t-vnr: Gr Pn Png Hyl Symph Prsb Clb C-p Mc Pp Ceb Atl Al Lm Glg]

813. Schultz, A. H. Observations on the growth, classification and evolutionary specialization of gibbons and siamangs. *Hum. Biol.*, 1933, 5, 212-255, 385-428, 3 pls.
[18f-41t-nr: Hyl Symph]

813a. Schultz, A. H. Some distinguishing characters of the mountain gorilla. *J. Mammal.*, 1934, 15, 51-61.
[2f-5t-r: Gg]

814. Schultz, A. H. Proportions, variability and asymmetries of the long bones of the limbs and the clavicles in man and apes. *Hum. Biol.*, 1937, 9, 281-328. [++ 6f-28t-nr: Gr Pn Png Hyl Symph Mc]

815. Swayne, S. H. On the comparative measurements of the skeleton of man and the gorilla. *Proc. Bristol Nat. Soc.*, 1868, n.s., 39-41. [Gr]

816. Vram, U. G. Contributo allo studio dell'osteologia del *Semnopithecus obscurus* Reid. *Boll. Soc. zool. ital.*, 1911, (2), 12, 58-73, 148-152.
[Prsb]

817. Vram, U. G. Sul genere *Theropythecus*. *Arch. zool. (ital.)*, Napoli, 1922, 10, 169-214.
[3f-9t-nr: Thr-p]

See also: 164, 184, 348, 349, 779, 785, 788, 796, 803, 877, 883a, 884, 885, 886, 889, 890, 892, 893, 897, 916, 918, 919, 920, 923, 927, 928, 929, 932, 934, 938, 940, 941, 942, 943, 945, 946, 948, 948a, 949, 949b, 951, 978, 986, 987, 988, 991, 992, 1060h, 1095, 1798, 3925, 3957, 4028.

Skeleton as a whole

HISTOLOGY

818. Demeter, G. & Mátyás, J. Mikroskopisch vergleichend-anatomische Studien an Röhrenknochen mit besonderer Rücksicht auf die Unterscheidung menschlicher und tierischer Knochen. *Z. Anat. EntwGesch.*, 1928, 87, 45-99, pls. 1-15.
[+ 32f-r: Pn Png C-p Cyn-p Pp]

819. Fraipont, C. Sur les caractères microscopiques différentiels des os chez les primates. *C. R. Acad. Sci., Paris.*, 1933, 196, 1925.
[cf. no. 821]

820. Mátyás, J. & Szabó, M. Das nähere Verwandtschaftsverhältnis zwischen dem Menschen und den Anthropoiden auf Grund mikro-osteologischer Untersuchungen auch mit Rücksicht auf die feinere Knochenstruktur der Carnivoren und Ungulaten. *Z. Anat. EntwGesch.*, 1932, 97, 169-209, pls. 1-17. [++ 5f: Gr Pn Hyl Mc Cyn-p Pp]

821. Müller & Desmarez. Caractères microscopiques différentiels de l'os cynocéphale adulte et de l'os humain. *C. R. Acad. Sci., Paris*, 1933, 196, 1043-1045. [++ 1t: Pp]

822. Stasney, J. & Higgins, G. M. The bone marrow in the monkey (*Macacus rhesus*). *Anat. Rec.*, 1937, 67, 219-231. [1pl-1f-3t-r: Mc]

See also: 131a, 947, 999, 1009.

EMBRYOLOGY

See also: 130, 132, 136, 367, 813, 838, 897, 903, 904, 977, 986, 2682.

ANOMALIES

See also: 878, 879, 883, 912, 926.

Axial & Appendicular Skeleton

VERTEBRAL COLUMN

GENERAL MORPHOLOGY

- 823. Albrecht, P.** Note sur le centre du proatl-
las chez un *Macacus arctoides*, I. Geoffr. *Bull.*
Mus. Hist. nat. Belg., 1833, 2, 287-296.
[Af-t: Mc]
- 824. Bluntschli, H.** Beziehungen zwischen
Form und Funktion der Primatenwirbelsäule.
Gegenbaurs Jb., 1912, 44, 489-517, pl. 11.
[++ 9f: Pn Mc]
- 825. Broca, [P.]** Sur la constitution des ver-
tèbres caudales chez les primates sans queue.
Bull. Soc. Anthropol. Paris, 1871, (2), 6, 225-232.
[Gr Pn Hyl Mc Pp Atl]
- 826. Broca, P.** Études sur la constitution des
vertèbres caudales chez les primates sans queue.
Rev. Anthropol., Paris,* 1872, 1, 577-605, pls. 4-5.
- 827. Chudzinski, T.** Sur le sacrum d'un
chimpanzé. *Bull. Soc. Anthropol. Paris*, 1888, (3),
11, 483-485. [Pn]
- 828. Cunningham, D. J.** The lumbar curve in
man and the apes, with an account of the topo-
graphical anatomy of the chimpanzee, orang-utan,
and gibbon. *Cunningham Mem. R. Irish Acad.*,*
1886, 2, 148 pp., 12 pls.
[++ nt: Gr Pn Png Hyl Prsb Clb
C-p C-c Mc Pp Ceb]
- 829. Cunningham, D. J.** The proportion of
bone and cartilage in the lumbar section of the
vertebral column of the ape and several races of
men. *J. Anat., Lond.*, 1889, 24, 117-126.
[++ 7t: Gr Pn Png Mc Pp]
- 830. von Eggeling, H.** Die Gabelung der
Halswirbeldornen und ihre Ursachen. *Anat.*
Anz., 1922, 55, 33-94. [++ 21f-2t-nr:
Gr Pn Png Hyl Symph Prsb C-p Ery-c
Mc Pp Mndr Ceb Atl Al Hap]
- 831. v. Eggeling, H.** Die Halswirbeldornen
und deren Muskeln bei Halbaffen. *Anat. Anz.*,
1922, 55, 201-211. [4f-nr: Lm Indr
?Lor Nyct-c Prdt Arct-c Glg Tars]
- 832. Fick, R.** Untersuchungen an der Wirbel-
säule der Menschenaffen. *S. B. preuss. Akad.*
Wiss., 1933, 167-239. [25f-vnt: Gr Pn
Png Hyl]
- 833. Fick, R.** Kurzer Bericht über meine
Untersuchungen an der Wirbelsäule der Men-
schenaffen. *Z. Säugetierk.*, 1936, 11, 261-271,
pls. 59-61. [vnt: Gr Pn Hyl Symph]
- 834. Fick, R.** Untersuchung an der Wirbel-
säule von 30 Gibbons und über die Wirbelzahlen
der Menschenaffen. *S. B. preuss. Akad. Wiss.*,
1936, 161-178. [vnt: Gr Pn Png Hyl
Symph]
- 835. Keith, A.** The extent to which the poste-
rior segments of the body have been transmuted
and suppressed in the evolution of man and allied
primates. *J. Anat., Lond.*, 1902, 37, 18-40.
[+++ 4f-12t-11r: Gr Pn Png Hyl Prsb
Mc Pp Ceb Atl]
- 836. Kempermann, C. T.** Ein Beitrag zum
Problem der Regionenbildung der Wirbelsäule.
Gegenbaurs Jb., 1929, 60, 560-612.
[+ 30f-r: Gr Pn Png Hyl]
- 837. Mauclair & Flipo.** Sacralisation de la
V^e vertèbre lombaire dans les différentes races
humaines et chez les singes anthropoïdes.—Vari-
ations ethniques du sacrum. *Bull. Soc. anat. Paris*,
1922, 92, 387-401. [++ 74f-9r: Gr Pn
Png]
- 838. Mijsberg, W. A.** Die Morphogenie der
Wirbeldornen der Säuger, im besonderen des
Menschen. *Z. Anat. EntwGesch.*, 1926, 79, 112-
175. [+ 31f-r: Gr Pn Png Prsb Mc
Pith Saim Al Lm Pr-p Tars]
- 839. Mivart, St. G.** Contributions towards a
more complete knowledge of the axial skeleton
in the primates. *Proc. zool. Soc. Lond.*, 1865,
545-592. [+++ 37f-1t: see no. 794]
- 840. Paterson, A. M.** The human sacrum.
Sci. Trans. R. Dublin Soc., 1893, (2), 5, 123-204,
pls. 16-21. [+ 28t-nr: Gr Pn Png Hyl]
- 841. Rosenberg, E.** Ueber die Entwicklung
der Wirbelsäule und das Centrale carpi des
Menschen. *Morph. Jb.*, 1876, 1, 83-197, pls. 3-5.
[++ 1t-66r: primates disc.]
- 842. Schmidt, E.** Ueber die Wirbelsäule der
Primaten. *KorrespBl. dtsh. Ges. Anthropol.*, 1886,
17, 5-6. [Abstr.]
- 843. Sera, G. L.** Sopra alcune caratteristiche
morfologiche differenziali di valore statico-mec-
canico nella colonna vertebrale e nel bacino dei
primati: loro conseguenze per la stazione e locomo-
zione in generale dei diversi gruppi e per la que-
stione dalle origini umane. *G. Morf.*, 1926, 4,
1-121, 129-216+8 pp., pls. 1-2. [++ 59f-t]
- 844. Speransky, A. D.** Über die lumbrosakrale
Abteilung der Primatenwirbelsäule. *Z. Anat.*
EntwGesch., 1926, 78, 111-135.
[10f-6t: Gr Pn Nas C-p Mc Pp Mndr
Atl Mndr]
- 845. Struthers, J.** On the articular processes
of the vertebrae in the gorilla compared with those
in man, and on costo-vertebral variation in the
gorilla. *J. Anat., Lond.*, 1892, 27, 131-138.
[+++ Gr]
- 846. Symington, J.** The vertebral column of a
young gorilla. *J. Anat., Lond.*, 1889, 24, 42-51,
pl. 4. [Gr]
- 847. Todd, T. Wingate.** Numerical signifi-
cance in the thoracolumbar vertebrae of the
mammalia. *Anat. Rec.*, 1922, 24, 261-286.
[6t: Gr Pn Png Hyl Symph Prsb Nas
Clb C-p Ery-c Mc Thr-p Pp Mndr]

*Aot Pith Saim Ceb Lag Atl Al Hap
Oed-m Lm Lp-l Hp-l Mer-c Avh Indr
Lor Nyct-c Prdct Arct-c Glg Daub Tars]*

847a. Utida, M. (Über die Bänder der Wirbelsäule von *Macacus rhesus*.) *Tokyo Ig. Z.*,* 1937, 1-7, 2 pls. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 7, (190). [*Jap.: Mc*]

848. Virchow, H. Über die Wirbelsäule des Schimpansen. *S. B. Ges. naturf. Fr. Berl.*, 1909, 265-290. [*73f-nt: Pn*]

849. Virchow, H. Die Mechanik der Schwanzwirbelsäule von *Papio olivaceus*. *S. B. Ges. naturf. Fr. Berl.*, 1914, 181-186. [*2f: Pp*]

850. Virchow, H. Die Wirbelsäule des *Cercocebus fuliginosus*. *Arch. Anat. Physiol., Physiol. Abt.*, 1916 [1917], 1-36. [*4f-nt: Gr Pn Png C-c Mc*]

851. [Virchow, H.] (Wirbelsäule des weiblichen Schimpansen "Terzera".) *Z. Ethn.*, 1922, 54, 204-207. [*1f-3t: Pn*]

852. Virchow, H. Wirbelsäule und Thorax beim Menschen und Schimpansen. *Z. Ethn.*, 1923, 55, 79-86. [*++ 1f: Pn*]

853. Vonwiller, P. Anatomische Untersuchungen über die Wirbelsäule mit besonderer Berücksichtigung des Problems der Form der Knochen. I. Der Einfluss der Venen auf die Form der Wirbelkörper. *Z. Anat. EntwGesch.*, 1923, 69, 264-303. [*+ 37f-r: Gr Mc Cyn-p Pp Lm*]

See also: 164, 219, 220, 224, 229, 238, 239, 240, 267, 293, 294, 764, 770a, 796, 858, 883a, 920, 923, 1339, 1537, 1579, 1580, 1614, 1690, 2309, 2310, 2311, 2411.

Vertebral column

OSTEOMETRY

854. Baudouin, M. Le canal vertébral lombaire chez les anthropoïdes et chez les hommes préhistoriques. *C. R. Acad. Sci., Paris*, 1913, 156, 79-81. [*1t: Gr Pn Png Hyl*]

855. Odgers, P. N. B. The lumbar and lumbosacral diarthrodial joints. *J. Anat., Lond.*, 1933, 67, 301-317, 4 pls. [*+ Gr Pn Png*]

856. Radlauer, C. Beiträge zur Anthropologie des Kreuzbeines. *Morph. Jb.*, 1908, 38, 323-447. [*+ 22f-3t-187r: Gr Pn Png Hyl C-p Mc Cyn-p Pp Ceb Atl Lm*]

857. Schultz, A. H. The relative length of the regions of the spinal column in Old World primates. *Amer. J. phys. Anthrop.*, 1938, 24, 1-22. [*1f-10t-15r: Gr Pn Png Hyl Prsb Nas C-c Mc*]

858. Wetzel, G. Die obersten Halswirbel und die Beziehung ihrer Ebenen zu denen des Schädels beim Menschen und den Anthropoiden. *Z. Morph. Anthrop.*, 1910, 13, 259-280. [*++ 3f-t: Gr Pn*]

859. Wetzel, G. Volumen und Gewicht der Knochen als Massstab für den phylogenetischen Entwicklungsgrad. Die Porosität der Knochen. *Arch. EntwMech. Org.*, 1910, 30, (1), 507-537.

[*+ 14t: Png*]

860. Zoja, G. Sui rapporti tra l'atlante ed il cranio nell' uomo ed in alcuni animali. *Boll. sci.*,* 1880, 2, 51-60. [*++ 4t: Gr Png*]

See also: 828, 829, 843, 848, 850, 858, 871, 875.

Vertebral column

ANOMALIES

861. Chaine, J. Côte lombaire chez un gorille. *P. V. Soc. Sci. phys. nat. Bordeaux*, 1924, 48-49. [*Gr*]

862. Delattre, [A.] L'asymétrie des axes de primates. *Bull. Soc. Anthrop. Paris*, 1923, (7), 4, 107-112. [*3f: Gr Pn Png Hyl*]

863. Hoff, P. Sacralisation irrégulière chez un *Lemur macaco* adulte. *Arch. Anat., Strasbourg*, 1923, 2, 433-446. [*5f: Lm*]

864. Ledényi, J. Vzácné anomálie krčných obratl'ov u gorily. [Unusual anomalies of the cervical portion of the vertebral column of a gorilla.] *Bratislavské lekárs. List.*, 1932, 12, 177-188. [*9f-Engl. abstr.: Gr*]

865. Meyer, A. W. Spolia anatomica addenda I. Fusion of three cervical vertebrae in a gorilla. *Anat. Rec.*, 1915, 9, 500-501. [*1f: Gr*]

866. Nayak, U. V. Note on an unusual type of cervical rib in a lemur. *J. Anat., Lond.*, 1933, 68, 119-121. [*1f: Prdct*]

867. Prag, J. J. An abnormal baboon sacrum found at Lindeques drift. *S. Afr. J. Sci.*, 1935, 32, 356-359. [*1f: Pp*]

868. Straus, W. L., Jr. Cervical ribs in the woolly monkey. *J. Mammal.*, 1937, 18, 241-242. [*Lag*]

See also: 813a, 870, 874, 920.

ATLANTO-OCCIPITAL &
ATLANTO-EPISTROPHIC JOINTS

869. Hecker, P. Appareil ligamenteux occipito-atloïdo-axoïdien. Étude d'anatomie comparée. 1^{re} Partie. *Arch. Anat., Strasbourg*, 1922, 1, 413-435. [*+ 8f: Pn C-p C-c Lm*]

870. Schlaginhaufen, O. Ein Fall von Ossifikation des Ligamentum apicis dentis epistrophei beim Menschen und entsprechende Bildungen bei den Affen. *Morph. Jb.*, 1907, 37, 120-128. [*+ 5f-7r: Gr Png Hyl*]

871. Şenyürek, M. S. Cranial equilibrium index. *Amer. J. phys. Anthrop.*, 1938, 24, 23-41. [*+++ 5f-3t: Gr Pn Png Hyl Symph Prsb Clb C-p Ery-c C-p C-c Mc Pp Aot Cal-c Pith Saim Ceb*]

Ail Al Hap Myst Oed-m Lm Lp-l
Mcr-c Pr-p Lor Nyct-c Prdct Glg Tars]

872. Vallois, H. V. La sustentation de la tête et le ligament cervical postérieur chez l'homme et les anthropoïdes. *Anthropologie, Paris*, 1926, 36, 191-207. [++ 6f: Gr Pn Png Hyl]

873. Virchow, H. Über die Atlas-Epistropheus-Verbindung des Orang. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1915, 207-212. [5f: Png]

874. Vram, U. G. Un caso di saldatura dell'atlante con l'occipitale in un cinocefalo. *Bull. Soc. zool. ital.*, 1903, (2), 4, 36-38. [1f: Pp]

875. Welker, Friedrich. *Anthropologische Untersuchungen über das Atlantooccipitalgelenk bei Menschen und Affen*. Inaug.-Diss. (Phil.) München, Schwabinger Druckerei, 1912, 94 pp. [++ nf-nt-vnr: Gr Pn Png Hyl Mc]

See also: 824, 843, 845, 858, 860.

STERNUM & RIBS

876. Albrecht, P. Über die im Laufe der phylogenetischen Entwicklung entstandene, angeborene Spalte des Brustbeinhandgriffes der Brüllaffen. *S. B. preuss. Akad. Wiss.*, 1885, (1), 337-353. [8f: Al]

877. Anderson, R. J. Measurements of ribs in mammals. *Int. Mschr. Anat. Physiol.*, 1889, 6, 61-64, pls. 2-3. [Png Mc Pp Myst Ceb Lm]

878. Dwight, T. Irregular union of the first and second pieces of the sternum in man and apes. *J. Anat., Lond.*, 1890, 24, 536-542. [++ 4f: Hyl]

879. Howes, G. B. Exhibition of, and remarks upon, an abnormal sternum of the common marmoset. *Proc. zool. Soc. Lond.*, 1893, 168-170. [2f: Hap]

880. Keith, A. A variation that occurs in the manubrium sterni of higher primates. *J. Anat., Lond.*, 1896, 30, 275-279. [2f: Gr Pn Png Hyl Prsb Mc Atl]

881. Malaguzzi Valeri, R. Il legamento bicornio del Caldani o costo-clavio-coracoideo nell'uomo e negli antropoïdi. *Pathologica*, 1914, 6, 605-611. [+++ 2f-r: Gr Pn Png Hyl]

882. Tredgold, A. F. Variations of ribs in the primates, with especial reference to the number of sternal ribs in man. *J. Anat., Lond.*, 1897, 31, 288-302. [+++ 2f-3f]

883. Virchow, H. Skoliotisches Sternum bei einem Affen. *Berl. klin. Wschr.*, 1917, 54, 897-898. [1f: Ery-c]

883a. Virchow, H. Thoraxform des Schimpanseen. *Z. Ethn.*, 1931 [1932], 63, 384-393. [6f-t: Pn Thr-p]

See also: 164, 213, 219, 220, 293, 834, 839, 845, 850, 852, 888, 1591, 1592, 1614.

BONES OF UPPER EXTREMITY

See also: 764, 783, 793, 794, 801, 1389, 3963.

CLAVICLE & SCAPULA

884. Aichel, O. Über Abhängigkeit von Form und Funktion beim Schulterblatt und über eine der menschlichen sehr ähnliche Scapula eines niederen Affen. *Anat. Anz.*, 1925, 60, ErgH., 133-150. [+ 6f: Gr Pn Png Symph Nas Mc Thr-p]

885. Broca, P. Sur les indices de largeur de l'omoplate chez l'homme, les singes et dans la série des mammifères. *Bull. Soc. Anthropol. Paris*, 1878, (3), 1, 66-92. [+ 3f-3t: Gr Pn Png Hyl Prsb C-p Mc Cyn-p Pp Mndr Pith Cacaj Ceb Atl Al Hap]

886. Frey, H. Untersuchungen über die Scapula, speziell über ihre äussere Form und deren Abhängigkeit von der Funktion. *Z. Anat. Entw. Gesch.*, 1923, 68, 277-324. [++ 15f-19t: Gr Pn Png Hyl Symph C-p Mc Pp Atl]

887. Gorjanovič-Kramberger, K. Das Schulterblatt des diluvialen Menschen von Krapina in seinem Verhältnis zu dem Schulterblatt des rezenten Menschen und der Affen. *Vij. geol. Zau. Zagreb.*, 1925-26, 1, 68-122, 4 pls. [+ 18f: Gr Pn Png Hyl C-p Pp]

888. Parker, William Kitchen. *A monograph on the structure and development of the shoulder-girdle and sternum in the Vertebrata*. London: Ray Society (R. Hardwicke), 1868, xi, 237 pp., 30 pls. [+ Png C-c Al Hap]

889. Ranke, J. Zur Anthropologie des Schulterblattes. *Korresp. Bl. dtsch. Ges. Anthropol.*, 1904, 35, 139-144. [++ 1f-3t: Gr Pn Png Hyl Pp]

890. Schüick, A. C. Das Schulterblatt des Menschen und der Anthropoïden. *Mitt. anthrop. Ges. Wien.*, 1910, 40, 231-237. [++ 6f: Gr Pn Png Hyl Mc]

891. Vallois, H. V. La formation de l'omoplate humaine. *Bull. Mus. Hist. nat., Paris*, 1927, 33, 65-70. [++ 2f: Gr Pn Png Hyl C-p]

See also: 213, 764, 814, 895.

HUMERUS, RADIUS & ULNA

892. Barbosa Sueiro, M. B. Annotações anatómicas. V. Note sur l'hyperextension et l'hypoextension du coude chez d'autres mammifères que l'homme. *Arch. Anat. Anthropol., Lisboa*, 1928, 12, 189-193. Also: *Bull. Soc. portug. Sci. nat.*, 1928, 10, 163-167. [+ It]

893. Botez, I. G. Étude morphologique et morphogénique de squelette du bras et de l'avant-bras chez les primates. *Arch. Morph. gén. exp.*, 1926, 24, 1-174. [76f-6t-171r: Gr Pn

Png Hyl Symp Prsb Nas Clb C-p
Ery-c C-c Mc Cyn-p Thr-p Pp Ceb
Atl Al Hap Oed-m Leon-c Lm Lp-l
Nyct-c Prdct Daub Tars]

894. Frassetto, F. Sul foro epitrocleare (foramen supracondyleum internum) nell'omero dei Primati. *Boll. Mus. Zool. Anat. comp. Torino*, 1902, 17, no. 424, 10 pp. [1f-23r]

894a.* Marcondes Calasans, O. *Observações sobre a morfologia da "Membrana interossea antebrachii" e da "Membrana interossea cruris."* Diss. (Med.) São Paulo, Typ. Rossolillo, 1934, 100 pp. [+ 27f-Abstr.: *Anat. Ber.*, 1936, 33, no. 1231: Mc Pp Saim Ceb Atl]

895. Martin, C. P. The cause of torsion of the humerus and of the notch on the anterior edge of the glenoid cavity of the scapula. *J. Anat., Lond.*, 1933, 67, 573-582. [++ 2f]

896. Picaud, M. A. Le trou olécrânien chez les mammifères et chez l'homme. *Bull. Soc. dauphin. Ethn. Anthropol.*, 1902, 9, 184-190. [+ nr]

897. Slomann, H. C. Perforatio humeri. *Vidensk. Medd. naturh. Foren. Kbh.*, 1926, 82, 271-313, pls. 9-10. [++ 9t-Engl.: Gr Pn Png Hyl Symp]

898. Tiedemann, F. Ueber einem am Oberarmbein bei mehreren geschwänzten Affen vorkommenden Kanal und eine damit in Verbindung stehende besondere Anordnung der Arterien und Nerven des Arms. *Deutsch. Arch. Physiol.*,* 1818, 4, 544-549, pl. 5.

See also: 814, 886, 1667, 3951, 3957.

CARPUS, METACARPUS & PHALANGES

899. von Bardeleben, K. On the bones and muscles of the mammalian hand and foot. *Proc. zool. Soc. Lond.*, 1894, 354-376, pls. 20-21. [+ nt: Gr Pn Png Hyl Prsb Clb C-p Ery-c Mc Pp Saim]

900. Dugès, A. El pie de los monos. *Mem. Soc. 'Ant. Alzate'*, 1895-96, 9, 325-327, pl. 3. [+++ Atl]

901. Forster, A. La tubérosité du scaphoïde et le jambier postérieur. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1922, 1, 1-55. [+++ 22f-2t-nr: Gr Pn Png Hyl Prsb C-p Mc Atl Lm Nyct-c]

902. Forster, A. Le scapho-semi-lunaire. Étude comparative de la stabilisation du carpe chez les mammifères et chez l'homme. *Arch. Anat., Strasbourg*, 1932, 15, 81-217. [++ 75f: Gr Pn Png Hyl Pp Atl Lm Prdct]

903. Henckel, K. O. Beiträge zur Entwicklung der Primatenhand. I. Zur Entwicklung der Makakenhand. *Gegenbaurs Jb.*, 1929, 61, 43-48. [1f-1t: Mc]

904. Koblick, Helen. Beiträge zur Entwicklung der Primatenhand. II. Zur Entwicklung der Hand von *Lemur catta*. *Gegenbaurs Jb.*, 1929, 61, 452-456. [1f-1t: Lm]

905. Leboucq, H. Recherches sur la morphologie du carpe chez les mammifères. *Arch. Biol., Paris*, 1884, 5, 35-102, pls. 3-5. [+ 1f: Gr Pn Png Hyl Clb Pp Avh]

906. Lucae, J. C. G. Die Hand und der Fuss. Ein Beitrag zur vergleichenden Osteologie der Menschen, Affen und Beuteltiere. *Abh. senckenb. naturf. Ges.*, 1865, 5, 275-332, pls. 35-38. [+++ nt: Gr Pn Png Hyl Prsb Clb Ery-c Mc Mndr Saim Ceb Atl Hap Lm Glg]

907. Nayak, U. V. The articulations of the carpus in *Chiromys madagascariensis* with reference to certain other lemurs. *J. Anat., Lond.*, 1933, 68, 109-115. [2f-14r: Lor Prdct Glg Daub]

908. Noback, C. V. Digital epiphyses and carpal bones in the growing infant female gorilla with sitting height, weight, and estimated age. *Zoologica, N. Y.*, 1930, 11, 117-151. [16pl-1t: Gr]

909. Sarasin, F. Die Variationen im Bau des Handskeletts verschiedener Menschenformen. *Z. Morph. Anthropol.*, 1932, 30, 252-316, pls. 6-8. [+ 7f-vnt-30r: Gr Pn Png]

910. Schreiber, H. Zur Morphologie der Primatenhand. 1. Röntgenologische Untersuchungen an der Handwurzel der Affen. *Anat. Anz.*, 1934, 78, 369-429, 1 pl. [19f-r: Png Symp C-p Mc Pp Mndr Lag]

911. Schreiber, H. Die Extreimbewegungen der Schimpansenhand. 2. Mitteilung zu: Zur Morphologie der Primatenhand. *Gegenbaurs Jb.*, 1936, 77, 22-60. [11f: Pn]

911a. Utida, M. (Über die Bänder der Handwurzel von *Macacus*.) *Tokyo Ig. Z.*, 1937, 51, 8-19. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 7, (191). [Jap: Mc]

912. Virchow, H. Überzählige Skelettstücke (Epiphysen) an Händen und Füßen eines Gorilla. *Z. Ethn.*, 1910, 42, 320-336. [++ 15f: Gr]

913. Virchow, H. Das Os centrale carpi des Menschen. *Gegenbaurs Jb.*, 1929, 63, 480-530. [++ 24f: Png Pp Thr-p]

913a. Virchow, H. Das Os centrale carpi der Halbaffen. *Z. Ethn.*, 1932 [1933], 64, 377-379. [1f-abstr.]

See also: 164, 306, 365, 780, 841, 1662, 3924, 3958.

BONES OF LOWER EXTREMITY

See also: 783, 793, 794, 801, 3957, 3963.

PELVIS & HIP-JOINT

914. Albrecht, [C. M. P.] Ueber die Unterschiede des menschlichen Beckens von den übrigen Affenbecken. *KorrespBl. dtsh. Ges. Anthropol.*, 1884, 15, 100-101. [++ Abstr.: "Affen"]
915. Bluntschli, H. Über ein Naegele-Becken bei *Macacus cynomolgus* und das übrige Knochengüst dieses Tieres, nebst Bemerkungen über die Eigenform der Wirbelsäule und ihre mechanische Bedeutung. *Gegenbaurs Jb.*, 1911, 43, 297-333, pl. 12. [12f-15r: Mc]
916. v. d. Broek, A. J. P. Über Geschlechtsunterschiede im Becken bei Primaten. *Arch. Anat. Physiol.*, Lpz., *Anat. Abt.*, 1911, 163-184. [21f-10r: Gr Symph Mc Ceb Oed-m]
917. v. d. Broek, A. J. P. Über das Os acetabuli bei Primaten. *Arch. Anat. Physiol.*, Lpz., *Anat. Abt.*, 1911, 185-206. [12f-10r: Pn Png Symph Mc Mndr]
918. van den Broek, A. J. P. Over geslachtsverschillen in het bekken bij primaten. *Feestbundel H. Treub, Leiden*, 1912, 483-495. [see no. 916]
919. v. d. Broek, A. J. P. Note sur l'asymétrie dans les bassins des primates. *Bull. Soc. Anthropol. Paris*, 1912, (6), 3, 70-79. [7f-t: Gr Pn Png Symph Prsb Nas Clb C-p C-c Mc Pp Aot Saim Ceb Atl Al Hap Myst]
920. v. d. Broek, A. J. P. Studien zur Morphologie des Primatenbeckens. *Gegenbaurs Jb.*, 1914, 49, 1-118, pls. 1-4. [40f-vnt-36r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p Ery-c C-c Mc Pp Mndr Aot Saim Ceb Atl Al Hap Myst Oed-m]
921. Fischer, J. Some observations on the pelvis of the mammalia. With notes by J. F. H. Autenreith. [translation by R. Knox of an Inaug.-Diss., Tübingen, 1798]. *Brit. Rec. Obstet. Med.*,* 1838, 1, Scarce and Valuable Monogr., 26 pp. [+ 1t: Pn Hyl Mc Mndr Atl Lm Lor]
922. Hartman, [R.] Über das Hüftgelenk der anthropoiden Affen. *S. B. Ges. naturf. Fr. Berl.*, 1877, 85-89. [Gr Pn Png]
923. van der Hoeven, Leonhard. *Over de betrekking van het bekken der anthropoiden tot dat van den mensch.* Acad. Proefschr. (Geneesk.) Amsterdam, C. L. Petersen, 1905, viii, 103 pp., 1 pl., 1 tbl. [Gr Pn Png Hyl Symph Prsb Clb C-p C-c Mc Pp]
924. Prochownik, L. Die Beckenform der Anthropoiden. *KorrespBl. dtsh. Ges. Anthropol.*, 1897, 28, 119-123. Abstr.: *Zbl. Anthropol.*, 1897, 2, 342-344; *Leopoldina*, 1898, 34, 73-73.
925. Reynolds, E. The evolution of the human pelvis in relation to the mechanics of the erect

posture. *Papers Peabody Mus.*, 1931, 11, 255-334, 3 pls. [++ 10f-r: Gr Pn Png Hyl]

926. Stewart, T. D. Accessory sacro-iliac articulations in the higher primates and their significance. *Amer. J. phys. Anthrop.*, 1938, 24, 43-59. [+++ 2pl-10r: Gr Pn Png Hyl]

927. Straus, W. L., Jr. Studies on primate ilia. *Amer. J. Anat.*, 1929, 43, 403-460. [8f-4t: 43 genera]

928. Topinard, P. Des proportions générales du bassin chez l'homme et dans la série des mammifères. *C. R. Ass. Av. Sci.*, 1874 [1875], 562-566. [1t: Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Atl Hap Lm Lor]

929. Topinard, P. Le bassin chez l'homme et chez les animaux. *Bull. Soc. Anthropol. Paris*, 1875, (2), 10, 504-510. [see above]

930. Waterman, Harriet C. Studies on the evolution of the pelvis of man and other primates. *Bull. Amer. Mus. nat. Hist.*, 1929, 58, 585-642, pl. 22. [10f-nt-r: Gr Pn Png Hyl C-p Mc Pp Ceb Al Lm Prdct Glg]

931. Weidenreich, F. Über das Hüftbein und das Becken der Primaten und ihre Umformung durch den aufrechten Gang. *Anat. Anz.*, 1913, 44, 497-513. [++ 3f: Gr Pn Png Symph Lm]

See also: 164, 194, 327, 843, 999, 1301, 1621, 1627.

FEMUR, TIBIA & FIBULA

932. Anthony, R. & Rivet, P. Contribution à l'étude descriptive et morphogénique de la courbure fémorale chez l'homme et les anthropoïdes. *Ann. Sci. nat., Zool.*, 1907, (9), 6, 221-261. [++ nt: Gr Pn Png Hyl]

933. Appleton, A. B. On the hypotrochanteric fossa and accessory adductor groove of the primate femur. *J. Anat., Lond.*, 1922, 56, 295-306. [5f-7r: Gr Pn Png Hyl Prsb Nas Mc Atl Al Lm Glg Tars]

934. Bello y Rodriguez, Silvestre. *Le fémur et le tibia chez l'homme et les anthropoïdes.* (Variations suivant le sexe, l'âge et la race.) Thèse (Med.) Paris, G. Jacques, 1909, 120 pp., 3 pls. [+ nt-nr: Gr Pn Png Hyl]

935. Bumüller, Johannes. *Das menschliche Femur nebst Beiträgen zur Kenntniss der Affenfemora.* Inaug.-Diss. (Phil.) München. Augsburg: Haas & Grabherr, 1899, 143 pp., 1 tbl. [++ 13f-vnt-reviewed in: *N. Jb. Min. Geol. Paläont.*, 1901, 2, Ref. 141-145: Gr Pn Png Hyl Symph Prsb Clb C-p Mc Thr-p Cal-c Ceb Atl Pr-p]

935a. Dehn, O. Zur Frage über die Bedeutung von Röntgenuntersuchungen des Knochensystems für die vergleichende Anatomie. *Fortschr. Röntgenstr.*, 1934, 49, 519-523. [++ 13f-8r: Gr Pn Png Hyl]

936. Gieseler, W. Ausprägungsformen der Fossa trochanterica femoris bei Menschenaffen. *Anthrop. Anz.*, 1924, 1, 151-158, pls. 1-2. [3f: Gr Pn Png]
937. Gieseler, W. Beiträge zur Spongiosastruktur des proximalen Femures der Menschenaffen. *Anthrop. Anz.*, 1925, 2, 47-57, pls. 2-4. [Gr Pn Png]
938. Grunewald, J. Die Beziehungen zwischen der Form und der Funktion der Tibia und Fibula des Menschen und einiger Menschenaffen. *Z. orthop. Chir.*, 1916, 35, 675-780. [+ 45f-4t-10r: Gr Png]
939. Grunewald, J. Die Platyknemie im Lichte der Mechanik, der Phylogense und der Pathologie. *Arch. Anthrop.*, Braunsch., 1916, 43, 77-105. [+ 5f-t-r: Gr]
940. Hrdlička, A. Contributions to the study of the femur: the crista aspera and the pilaster. *Amer. J. phys. Anthrop.*, 1934, 19, 17-37. [+ nt: Gr Pn Png Hyl Catarrhini Platyrrhini Lm]
941. Hrdlička, A. The hypotrochanteric fossa of the femur. *Smithson. misc. Coll.*, 1934, 92, no. 1, 49 pp., 14 pls. [+ 24t-r: Gr Pn Png Hyl Prsb Nas Ery-c Mc Cyn-p Thr-p Pp Cal-c Ceb Atl Al Lm Lp-l Hp-l]
942. Hrdlička, A. The gluteal ridge and gluteal tuberosities (3rd trochanters). *Amer. J. phys. Anthrop.*, 1937, 23, 127-198. [+ 32t-vnr: see no. 941]
943. Klaatsch, H. Die wichtigsten Variationen am Skelet der freien unteren Extremität des Menschen und ihre Bedeutung für das Abstammungsproblem. *Ergebn. Anat. EntwGesch.*, 1900, 10, 599-719. [+ 34f-110r]
944. Manouvrier, L. La platycnémie chez l'homme et chez les singes. *Bull. Soc. Anthrop. Paris*, 1887, (3), 10, 128-135, disc. 135-141. [+ Gr Png]
945. Manouvrier, L. Mémoire sur la platycnémie chez l'homme et chez les anthropoïdes. *Mém. Soc. Anthrop. Paris*, 1888, (2), 3, 469-548. [+ 11f-nt: Gr Pn Png Hyl Mc Pp Al]
946. Matthäus, K. Über die Formverhältnisse der distalen Femurepiphyse bei Mensch und Anthropomorphen. *Anthrop. Anz.*, 1937, 14, 235-248, 3 pls. Apart*: Inaug.-Diss. (Naturw.) München, 1937. [+ 9f: Gr Pn Png]
947. Mátyás, J. Mikrometrische vergleichend-anatomische Studien an den Knochenröhrchen. *Acta. Univ. Szeged., Sect. scient. nat.*, 1925, 2, 23-69; 1926, 2, 142-175; 1927, 2, 229-253; 1928, Sect. A, *Acta Biol.*, 1, 18-39. [+ 8f-109t-Biol. Abstr., 1932, 6, no. 2278: Pn Png]
948. Pearson, K. & Bell, Julia. A study of the long bones of the English skeleton. Part I, Section II. The femur of man with special reference to other primate femora. *Drap. Co. Mem. biom. Ser.*, 1919, Ser. 11, Pt. 1, Sect. 2, 225-539; Atlas: pls. 60-101. [+++ nt-119r: Gr Pn Png Hyl Prsb Nas C-p C-c Mc Cyn-p Pp Mndr Aot Cal-c Pith Cacaaj Ceb Lag Atl Hap Myst Lm Hp-l Pr-p Avh Indr Lor Nyct-c Prdct Glg Daub Tars]
- 948a. Ried, H. A. Über die Beziehungen der tibialen Gelenkfläche des Femur zur Schaffkrümmung. *Anthrop. Anz.*, 1925, 2, 113-128. [++ 10f-13t: Gr Pn Png]
949. Schwalbe, G. Studien über das Femur von *Pithecanthropus erectus* Dubois. (Studien über "*Pithecanthropus erectus* Dubois." II. Teil.) *Z. Morph. Anthrop.*, 1921, 21, 289-360. [+ 18t-43r: Gr Pn Png Hyl C-p C-c Pp Ceb Lm]
- 949a*. Sinelnikov, N. (On the disposition of the osteons in the diaphyse of the femur in man and other primates.) *Antrop. Zh., Mosk.**, 1937, no. 3, 102-116. [Russ. with Engl. abstr.]
- 949b. Sprecher, Heinrich. *Morphologische Untersuchungen an der Fibula des Menschen unter Berücksichtigung anderer Primaten*. Inaug.-Diss. (Phil.) Zürich, O. Füssli, 1932, 162 pp., 14 pls. Abstr.: *Anthrop. Anz.*, 1933, 10, 140. [+ 114f-85t-nr: Gr Pn Png Hyl]
950. Vallois, H. Considérations sur la forme de la section transversale du tibia chez les lému-riens, les singes et l'homme. *Bull. Soc. Anthrop. Paris*, 1912, (6), 3, 248-291. [21f-13t-39r: Gr Pn Png Hyl Symp Prsb Nas Clb C-p Ery-c C-c Mc Thr-p Pp Mndr Aot Cal-c Chirop Cacaaj Saim Ceb Lag Brchyt Atl Al Hap Oed-m Leon-c Lm Lp-l Chrg Nyct-c Prdct Glg Daub Tars]
951. Vallois, H. V. L'épiphyse inférieure du fémur chez les primates. *Bull. Soc. Anthrop. Paris*, 1919, (6), 10, 21-45, 80-107. [3f-17t: see no. 950]
952. Walkhoff, Otto. Das Femur des Menschen und der Anthropomorphen in seiner funktionellen Gestaltung. In: *Studien über die Entwicklungsmechanik des Primatenskelettes mit besonderer Berücksichtigung der Anthropologie und Deszendenzlehre*. O. Walkhoff, ed., Wiesbaden: C. W. Kreidel, Liefg. I, 1904, 58 pp., 8 pls. Abstr.: *KorrespBl. dtsch. Ges. Anthrop.*, 1904, 35, 87-88. [Png Hyl]
953. Walmsley, T. The vertical axes of the femur and their relations. A contribution to the study of the erect position. *J. Anat., Lond.*, 1933, 67, 284-300. [+ 16f: Gr Pn Hyl]
- See also: 194, 201, 814, 820, 897, 930, 985, 992, 999, 3951.

KNEE-JOINT

954. Bloch, A. Pourquoi les anthropoïdes ne sont-ils pas marcheurs bipèdes? *Bull. Soc. Anthrop. Paris*, 1900, (5), 1, 233-240.

955. Jost, A. Les ligaments épicondylo-méniaux du genou dans la série des mammifères (morphogénèse et rôle fonctionnel). *Arch. Anat., Strasbourg*, 1929, 1, 245-277.

[++ 5f-2t-nr: Pn Png Hyl C-p Atl Lm Nyct-c]

956. Retterer, É. De la forme des fibrocartilages inter-articulaires du genou du chimpanzé. *C. R. Soc. Biol., Paris*, 1905, 58, 476-479. [Pn]

957. Retterer, É. De la forme et des connexions que présentent les fibrocartilages du genou chez quelques singes d'Afrique. *C. R. Soc. Biol., Paris*, 1907, 63, 148-150. [C-p]

958. Retterer, É. & Vallois, H. De la double rotule de quelques primates. *C. R. Soc. Biol., Paris*, 1912, 73, 379-382.

[Pn Symph C-p Leon-c]

959. Vallois, H. V. La valeur morphologique de la rotule chez les mammifères. *Bull. Soc. Anthropol. Paris*, 1917, (6), 8, 2-34.

[+++ 3f-5t: see no. 950]

960. Weinberg, E. Recherches d'anatomie comparée sur l'appareil fibreux de la face postérieure du genou. *Arch. Anat., Strasbourg*, 1928-29, 9, 253-307. [+ 7f: Mc Ceb]

961. van Westrienen, Anna F. A. S. Das Kniegelenk der Primaten, mit besonderer Berücksichtigung der Anthropoiden. *Ned. Bijdr. Anat.*, 1906, 4, 1-60, pl. 1. [++ 22f-t-r: Gr Pn Png Hyl Mc Pp Saim Ceb Atl Hap Lm Nyct-c]

See also: 194, 713, 802.

TARSUS, METATARSUS & PHALANGES

962. Aeby, [C.] Das Talo-tarsalgelenk des Menschen und der Primaten. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1883, SupplBd., 312-327. [+ 3f: Gr Pn Png Mc Mndr]

963. Anderson, R. J. The skeletal elements of the extremities in primates. *17th Int. Congr. Med., Lond.*, 1912, sect. 1, part 2, 123-129.

[Pn Hyl C-p Pith Ceb Atl Glg]

964. Anthony, R. L'évolution du pied humain. *Bull. Soc. Anthropol. Paris*, 1902, (5), 3, 818-835. Also: *Rev. sci., Paris*, 1903, 129-139; *Rep. Smithsonian. Instn.*, 1903, 11, 519-536.

[+ 14f-t-based on no. 992]

965. Appleton, A. B. Note on a variable feature of the astragalus. *J. Anat., Lond.*, 1913, 47, 123-142.

[++ 2f-6t: Gr Pn Png Hyl Pp]

966. Elftman, H. & Manter, J. The evolution of the human foot, with especial reference to the joints. *J. Anat., Lond.*, 1935, 70, 56-67.

[++ 6f: Pn]

967. Forster, A. La première articulation cunéo-métatarsienne chez les mammifères supé-

rieurs: prosimiens et primates. *Arch. Anat., Strasbourg*, 1923, 2, 393-428. [29f-r: Gr Pn Png Hyl C-p Mc Atl Lm]

968. Forster, A. Étude sur l'évolution du pied humain. La voûte longitudinale. *Arch. Anat., Strasbourg*, 1924, 3, 193-246. [++ 23f-vnr: Gr Pn Png Hyl C-p Atl Lm]

969. Forster, A. Le calcanéum dans la série des mammifères et chez l'homme. Étude de la statique et de la dynamique du pied. *Arch. Anat., Strasbourg*, 1929, 10, 271-325. [++ 17f: Gr Pn Png Symph Mc Pp Lm]

970. Fraipont, C. Sur la structure intime de l'astragale chez les primates. *Bull. Acad. Belg., Cl. Sci.*, 1920, (5), 6, 261-263. [+ Prelim. note]

971. Frechkop, S. Notes sur les mammifères. XXIII. N'y a-t-il que deux phalanges dans le pouce et le gros orteil des primates? *Bull. Mus. Hist. nat. Belg.*, 1937, 13, no. 40, 21 pp.

[++ 12f-23r: Gr Pn Png Hyl C-p]

972. Freudenberg, W. Bemerkungen zum Fussgerüst der Gattung *Galago*. *Z. Säugetierk.*, 1931, 6, 233-235, pl. 25. [Glg]

973. Genna, G. E. La posizione degli assi dei piani trasversali dell'arto inferiore nell'uomo e negli antropoidi. *Riv. Anthropol.*, 1926-27, 27, 43-65, 2 pls. [+ Gr Pn Hyl]

974. Grünwald, E. Considérations morphologiques sur le calcanéum. *Arch. Anat., Strasbourg*, 1925, 4, 259-279.

[+++ 8f-2t-29r: Gr Pn Png]

975. Hafferl, A. Bau und Funktion des Affenfusses. Ein Beitrag zur Gelenk- und Muskelmechanik. I. Die Anthropoiden. *Z. Anat. Entw.-Gesch.*, 1929, 88, 749-783. [11f: Gr Pn Png]

976. Hafferl, A. Bau und Funktion des Affenfusses. Ein Beitrag zur Gelenk- und Muskelmechanik. Die Prosimier. *Z. Anat. Entw.-Gesch.*, 1929, 90, 46-51; 1932, 99, 63-112. [24f: Lm Mcr-c Lor Nyct-c Glg Daub Tars]

977. Henckel, K. O. Zur Entwicklungsgeschichte des Fuss skeletts von *Tarsius spectrum* L. *Gegenbaurs Jb.*, 1930, 64, 636-650. [9f-r: Tars]

978. Lazarus, S. P. Zur Morphologie des Fuss skeletts. *Morph. Jb.*, 1896, 24, 1-166.

[++ 31f-nt-43r: Gr Png Hyl Pp]

979. Manners-Smith, T. A study of the navicular in the human and anthropoid foot. *J. Anat., Lond.*, 1907, 41, 255-279.

[++ 26f-6r: Gr Pn Hyl]

980. Manners-Smith, T. A study of the cuboid and os peroneum in the primate foot. *J. Anat., Lond.*, 1908, 42, 397-414.

[++ 23f: Gr Pn Png Hyl Prsb C-p C-c Mc Pp Saim Ceb Lag Atl Hap Lm]

980a. Morton, D. J. Evolution of the human foot. I. *Amer. J. phys. Anthropol.*, 1922, 5, 305-336. [+++ 8f: Gr Ceb]

981. Morton, D. J. Evolution of the human foot. II. *Amer. J. phys. Anthrop.*, 1924, 7, 1-52. [+++ 27f-10r: Gr Pn Png Hyl Prsb Clb Ery-c Mc Pp Ceb Lag Atl Hap Lm Lp-l Lor Glg Tars]

982. Morton, D. J. Significant characteristics of the Neanderthal foot. *Nat. Hist., N. Y.*, 1926, 26, 310-314. [+ 5f: Gr]

983. Poniatowski, S. Beitrag zur Anthropologie des Sprungbeines. *Arch. Anthrop., Braunsch.*, 1914, 41, 1-32. [++ 25f-21t-r: Gr Pn Png Symp]

984. Retterer, É. & Neuville, H. Des articulations métacarpo-phalangiennes de quelques singes. *C. R. Soc. Biol., Paris*, 1918, 81, 960-963. [Pn Mc Pp]

985. Sera, G. L. Sul significato polifiletico delle differenze strutturali nell'arto inferiore di Anthroipoidea (mihi). *G. Morf.*, 1921, 3, 85-162. [3f: esp. Gr Pn Png Hyl Symp]

985a. Stamm, T. T. The constitution of the ligamentum cruciatum cruris. *J. Anat., Lond.*, 1931, 66, 80-83. [+++ 3f: Pn C-p Mc]

985b. Straus, W. L., Jr. The development of the human foot and its phylogenetic significance. *Amer. J. phys. Anthrop.*, 1926, 9, 427-438. [+++ 6t: Gr Pn Png Hyl Symp]

986. Straus, W. L., Jr. Growth of the human foot and its evolutionary significance. *Contr. Embryol. Carneg. Instn.*, 1927, 19, 93-134, 1 pl. [+++ 6f-28t-nr: Gr Pn Png Hyl Symp Al]

987. Thomson, A. The influence of posture on the form of the articular surfaces of the tibia and astragalus in the different races of man and the higher apes. *J. Anat., Lond.*, 1889, 23, 616-639. [++ 2t: Gr Pn Png Symp Pp Mndr]

988. Thomson, A. Additional note on the influence of posture on the form of the articular surfaces of the tibia and astragalus in the different races of man and the higher apes. *J. Anat., Lond.*, 1890, 24, 210-217. [+ 5f-2t: Gr Pn Png]

989. Tornier, G. Die Phylogenese des terminalen Segmentes der Säugethier-Hintergliedmassen. *Morph. Jb.*, 1890, 16, 401-483, pls. 17-18. [++ Pp Lm Lp-l Glg Daub]

990. Versluys, J. Über die Entstehung des aufrechten Ganges und des Fussbaues beim Menschen. Aus Anlass zweier Arbeiten von Professor Westenhöfer. *Mitt. anthrop. Ges. Wien*, 1929, 59, 269-292. [+ 5f]

991. Volkov, T. Les variations squelettiques du pied chez les primates et dans les races humaines. *Bull. Soc. Anthrop. Paris*, 1903, (5), 4, 632-708; 1904, (5), 5, 1-50, 201-331.

[++ 57f-172t-98r: Gr Pn Png Hyl Symp Prsb Clb Ery-c C-c Mc Pp Mndr Saim Ceb Atl Hap Lm Ach Indr Lor Nyct-c Glg Daub]

992. Volkov, Th. *Variations squelettiques du pied chez les primates et dans les races humaines*. Thèse (Sci.) Paris. Beaugency: Laffray fils et Gendre, 1905, 266 pp. [see no. 991]

993. Weidenreich, F. Der Menschenfuss. *Z. Morph. Anthrop.*, 1921, 22, 51-282. [++ 65f-150r: Gr Pn Png Hyl C-p Pp Mndr Atl Al]

994. Westenhöfer, M. Die hintere Fusswurzel von Mensch und Gorilla. *Z. Säugetierk.*, 1929, 4, 186-192, pls. 15-16. [Gr]

See also: 194, 311, 316, 796, 899, 912, 1662, 1709, 1798, 3924, 3958, 3987.

OSTEOMETRY

See also: 794, 843, 992.

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GENERAL MORPHOLOGY Comprehensive & General Studies

PRIMATES IN GENERAL

995. Bianchini, B. Ricerche sopra un teschio di *Cynocephalus sphinx* ♂ juvenis. *Boll. Soc. zool. ital.*, 1905, (2), 6, 74-89. [1t-32r: Pp]

996. Bounak, V. (Des crêtes sur les crânes des primates.) *Russ. antrop. Zh.*, 1924, 12, (2), 5-24, 7 pls. Fr. abstr. 97-99. Abstr.: *Anthropologie, Prague*, 1924, 2, 131-134. [7t-40r: Gr Pn Png Symp Prsb C-c Mc Pp]

997. Boyd, G. I. The emissary foramina in the cranium in primates. *J. Anat., Lond.*, 1934, 69, 113-117. [2t: Gr Pn Png Hyl "monkeys" Lm Pr-p Indr Lor Nyct-c Prdct Daub Tars]

998. Grzybowski, J. O kostnym namocię mózdzku. (Tentorium cerebelli osseum). (De la tente osseuse du cervelet chez les primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, 19, 357-366, 2 pls. Fr. abstr. 365-366. [1f-1t-8r]

999. Henckel, K. O. Vergleichend-anatomische Untersuchungen über die Struktur der Knochenkompakta nach der Spaltlinienmethode. *Gegenbaurs Jb.*, 1931, 66, 22-45. [++ 23f-9r: Pn Png Hyl Prsb Pp]

1000. Joseph, G. Ueber die Schläfenlinien und den Scheitelkamm an den Schädeln der Affen. *Morph. Jb.*, 1876, 2, 519-534, pl. 34. [Gr Png Mc Pp Aot Chirop Ceb Oed-m]

1001. Mollison, T. Die Bedingungen zur Bildung von Knochenkämmen am Schädel der Primaten. *S. B. heidelberg. Akad. Wiss., Abt. B.*, 1919, 10, no. 3, 9 pp. [1t: Gr Png Hyl Prsb C-p C-c Mc Pp Lm]

1002*. Onelli, C. Presencia de canales emisarios en los cráneos de tehuelches araucanos y *Cynocephalus sphinx* y *Cebus fatuellus*. [Presence

of emissary canals in the skulls of araucanian tachelches, of *Cynocephalus sphinx* and *Cebus fatuellus*.] *Rev. Jard. zool. B. Aires*, 1905, (2), 1, 15-19. [Pp Ceb]

1003. Rusconi, C. Sobre morfogénesis basi-craneana de algunos primates actuales y fósiles. *Rev. argent. Paleont. Antrop.*, 1935, 1, 3-23. [25f-9r]

1004. Schwalbe, G. Studien zur Morphologie der südamerikanischen Primatenformen. *Z. Morph. Anthrop.*, 1910, 13, 209-258.

[15f-24r: *Chirop Saim Ceb Brchyt Atl Al Hap* †††]

1005. Sera, G. L. I caratteri della faccia e il polifiletismo dei primati. *G. Morf.*, 1918, 2, 1-296, pls. 1-8.

[++ 25f: 30 genera in *Pithecoidea*]

1006. Subba Rau, A. S. & Sahasrabudhe, N. S. Contributions to our knowledge of the anatomy of the Lemuroidea. III. The skull of *Loris lydekerianus*. *Half-yrly J. Mysore Univ.*, 1930, 4, 168-194, 5 pls. [15r: *Lor*]

1007. Topinard, P. La transformation du crâne animal en crâne humain. *Anthropologie, Paris*, 1891, 2, 649-675. [+ 9f]

1008. Virchow, R. Menschen- und Affenschädel. *Samml. gemeinverst. wiss. Vortr.* 1870, 4, 911-950. Apart: Berlin: C. G. Luderitz'sche Verlagsbuchhandlung, 1870, 40 pp. [+ 6f]

1009. Weidenreich, F. Über die pneumatischen Nebenräume des Kopfes. Ein Beitrag zur Kenntnis des Bauprinzipes der Knochen, des Schädels und des Körpers. (Knochenstudien: III. Teil.) *Z. Anat. EntwGesch.*, 1924, 72, 55-93. [+ 16f-nr: *Gr Ceb Lag Al*]

See also: 143, 145, 198, 225, 229, 249a, 249b, 261, 284, 777, 792, 795, 796, 1027, 1087, 1093, 1117, 1182, 1188, 1388, 1450, 1812, 3952.

General morphology of skull

PONGIDAE & HYLOBATIDAE

1010. Alessandrini, A. Brevi note illustrative di uno scheletro di giovine orang-outang—*Pithecus satyrus* Geoffr.—*Simia satyrus* Linn. *Nuovi Ann. Sci. nat.*,* 1854, (3), 9, 353-363, 1 pl. [Png]

1011. von Arx, M. Die Graphostatik und Kinematik in der Entwicklungslehre. Mathematisch-vergleichende Studien am Mammut-, Schimpansen-, und Menschenschädel. *Z. Anat. EntwGesch.*, 1929, 91, 304-328. [+ 14f: *Pn*]

1012. [von] Bischoff, [T. L. W.] Ueber einen im Besitze des Dr. Auzoux, Verfertiger plastisch-anatomischer Präparate in Paris, befindlichen männlichen Gorilla- und einen im naturhistorischen Museum zu Brüssel befindlichen weiblichen Chimpanse-Schädel mit sechs Backenzähnen. *S. B. bayer. Akad. Wiss.*, 1867, (1), 444-449. [Gr Pn]

1013. [von] Bischoff, [T. L. W.] Ueber zwei weitere ihm von Paris zugesendete männliche Chimpanse-Schädel. *S. B. bayer. Akad. Wiss.*, 1867, (1), 283-293. [Pn]

1014. [von] Bischoff, Theodore Ludwig Wilhelm. *Ueber die Verschiedenheit in der Schädelbildung des Gorilla, Chimpanse und Orang-Outang, vorzüglich nach Geschlecht und Alter, nebst einer Bemerkung über die Darwin'sche Theorie.* München: Verlag der k. Akademie, 1867, 92, 2 pp., 22 pls. [Review: *Arch. Anthrop., Braunschw.*, 1867, 2, 343-348; *J. Anthrop., Lond.*,* 1871, 1, 268-277.] [Gr Pn Png]

1016. Bischoff, T. L. W. *Zwei und zwanzig Tafeln zu der Abhandlung des Prof. Th. Bischoff über die Schädel der menschenähnlichen Affen.* München: Verlag der k. Akademie, 1867, 22 pls.

1017. Boyd, G. I. The emissary foramina of the cranium in man and the anthropoids. *J. Anat., Lond.*, 1930, 65, 108-121, 1 pl. [+ 1t-45r: *Gr Pn Png Hyl*]

1018. Brühl, C. B. *Zur Kenntniss der Orang-kopfes und der Orangarten.* Berlin: R. Friedländer & Sohn, 1887, vi, 27 pp., 2 pls., [originally published in Vienna, 1856]. [Png]

1019. Burt & Turner, W. Exhibition of three skulls of the gorilla, received from M. Du Chaillu, with observations relative to their anatomical features. *Proc. roy. Soc. Edinb.*, 1865 [1866], 5, 341-350. [Gr]

1019a. Count, E. W. Über scheinbar menschliche Rassenzüge an Gorillaschädeln. *Z. Rassenk.*, 1937, 5, 167-173. [15f: *Gr*]

1019b. Count, E. W. A note on a "progressive" gorilla skull. *Z. Rassenk.*, 1937, 6, 109-111. [4f-3t: *Gr*]

1020. Delisle, P. Sur l'ostéologie des orang-outans. *C. R. Acad. Sci., Paris*, 1894, 119, 241-242. [Png]

1021. Delisle, F. Notes sur l'ostéométrie et la craniologie des orang-outans. *Nouv. Arch. Mus. Hist. nat., Paris*, 1895, (3), 7, 83-114. [4f-nt: *Png*]

1022. Duckworth, W. L. H. Variations in crania of *Gorilla savagei*. *J. Anat., Lond.*, 1895, 29, 335-345. [1t: *Gr*]

1023. Frassetto, F. Le forme craniche degli antropoidi (Simidae) in rapporto alle umane. *Atti Soc. romana Antrop.*, 1904, 10, 43-71. [15f-nt: *Gr Pn Png*]

1024. Giebel, [C. G.] [Schädel von *Hylobates syndactylus* und *H. leuciscus*.] *Z. Naturw.*, 1866, 27, 186. [Abstr.: *Hyl Symph*]

1025. Giebel, [C. G.] Die Schädel-differenzen des *Hylobates syndactylus*, *H. lar* und *H. leuciscus*. *Z. Naturw.*, 1880, 53, 193-196. [Pn Png Hyl Symph]

1026. Giebel, C. [G.] Eine antidarwinistische Vergleichung des Menschen- und der Orangschädel. *Z. Naturw.*, 1866, 28, 401-419. [Png]

1027. Giglioli, E. H. Studii craniologici sui cimpanzé. Allo scopo speciale di mostrare alcune particolarità presentate dal cranio di un *Troglodytes* del Sandé (paese dei Niam-niam), Africa centrale. Con alcune note comparative sulla craniologia scimmiesca, ed alcune conclusioni intorno al valore della specie tra gli Antropomorfi. *Ann. Mus. Stor. nat. Genova*, 1872, 3, 56-179, pls. 7-8. [nt: Gr Pn Png Hyl Prsb Nas C-p Pp Ceb]
1028. Görke, O. Beitrag zur functionellen Gestaltung des Schädels bei den Anthropomorphen und Menschen durch Untersuchung mit Röntgenstrahlen. *Arch. Anthrop., Braunschw.*, 1903, n.s., 1, 91-108, pls. 1-2. [++ 2f-13r: Gr Png Hyl]
1029. Haeckel, Ernst Heinrich Philipp August. *Unsere Ahnenreihe (Progonotaxis hominis). Kritische Studien über Phyletische Anthropologie.* Jena: G. Fischer, 1908, iv, 57, 1 pp., 6 pls. [+ Pn Hyl Mndr]
1030. Jacoby, W. Unterschiede am Schädel des Schimpansen, Gorilla und Orang-Utan. *Z. Morph. Anthrop.*, 1903, 6, 251-284, pls. 6-10. [6f-18t: Pn Png Gr]
1031. Kirchner, Georg August Christian. *Der Schädel des Hylobates concolor, sein Variationskreis und Zahnbau.* Inaug.-Diss. (Phil.) Erlangen. Berlin, 1895, 55 pp., 3 pl. [30r: Hyl]
1032. Lucae, J. C. G. Der Pongo- und der Orang-Schädel in Bezug auf Species und Alter. *Abh. senckenb. naturf. Ges.*, 1854, 1, 154-167, pls. 8-13. [1t: Png]
1033. Mayer, C. Bemerkungen über den Bau des Orang-Outang-Schädels. *Arch. Naturgesch.*, 1849, 15, (1), 352-358. [Png]
1034. Neuville, H. À propos d'un crâne de gorille rapporté de la Likouala-Mossaka par le Dr. A. Durrieux. *Anthropologie, Paris*, 1912, 23, 563-586. [2 pl-1f: Gr]
1035. Neuville, H. Sur deux nouveaux crânes de gorilles de la Likouala-Mossaka (collection du Dr. A. Durrieux). *Anthropologie, Paris*, 1915, 26, 363-396. [4f: Gr]
1036. Neuville, H. Remarques sur la variabilité de la crête sagittale du crâne des gorilles. *Bull. Mus. Hist. nat., Paris*, 1916, 22, 2-7, pls. 1-3. [1t: Gr]
1037. Owen, R. Osteological contributions to the natural history of the orang utans (*Simia*, Erxleben). *Trans. zool. Soc. Lond.*, 1836 [1841], 2, 165-172, pls. 30-34. [1t: Png]
1038. Owen, R. Osteological contributions to the natural history of the chimpanzees (*Troglodytes*, Geoffroy), including the description of the skull of a large species (*Troglodytes gorilla*, Savage) discovered by Thomas S. Savage, M.D., in the Gaboon country, West Africa. *Trans. zool. Soc. Lond.*, 1848 [1849], 3, 381-422, pls. 58-63. Abstr.: *Proc. zool. Soc. Lond.*, 1848, 27-35. [++ 1t see no. 1045: Gr Pn]
1039. Owen, R. Recherches sur le gorille. *Ann. Sci. nat., Zool.*, 1851, (3), 16, 158-176. [Extr. from no. 1038]
1040. Owen, [R.] Osteological contributions to the natural history of the chimpanzees (*Troglodytes*) and orangs (*Pithecus*). No. IV. Description of the cranium of an adult male gorilla from the River Danger, West Coast of Africa, indicative of a variety of the great chimpanzee (*Troglodytes gorilla*), with remarks on the capacity of the cranium and other characters shown by sections of the skull, in the orangs (*Pithecus*), chimpanzees (*Troglodytes*), and in different varieties of the human race. *Trans. zool. Soc. Lond.*, 1851 [1862], 4, 75-88, pls. 26-30. [Gr Pn Png]
1041. Owen, [R.] Osteological contributions to the natural history of the chimpanzees (*Troglodytes*) and orangs (*Pithecus*).—No. VI. Characters of the skull of the male *Pithecus morio*, with remarks on the varieties of the male *Pithecus satyrus*. *Trans. zool. Soc. Lond.*, 1856 [1862], 4, 165-178, pls. 48-50. [1t: Pn Png]
1042. Rothschild, [W.] On the skull of *Gorilla gorilla halli*, Rothschild. *Ann. Mag. nat. Hist.*, 1927, (9), 19, 512. [Gr]
1043. Selenka, E. Rassen, Schädel, und Zahnung des Orangutan. *Stud. EntwGesch. Tiere*, 1898, 2, 1-91. [108f-nt: Gr Pn Png Hyl]
1044. Selenka, E. Schädel des Gorilla und Schimpanse. *Stud. EntwGesch. Tiere*, 1899, 2, 93-160. [10pl-70f-nt: Gr Pn Png Hyl Clb C-p]
1045. Tetley, H. Gorilla skulls in the Bristol Museum. *Nature, Lond.*, 1935, 136, 642. [Location of skulls described by Owen, no. 1038]
1046. de Torok, A. Sur le crâne du jeune gorille du musée Broca. *Bull. Soc. Anthrop. Paris*, 1881, (3), 4, 46-57. [Gr]
1047. Virchow, [R.] Über den Schädel des jungen Gorilla. *Mber. preuss. Akad. Wiss.*,* 1880, 516-543, 2 pls. [t: Gr]
1048. Vram, U. G. I cranii di gorilla (*Gorilla gina*) del Museo di Genova. *Atti Soc. romana Anthrop.*, 1901, 8, 5-11. [3f-2t: Gr]
1049. Weidenreich, F. Die Sonderform des Menschenschädels als Anpassung an den aufrechten Gang. *Z. Morph. Anthrop.*, 1924, 24, 157-189. [+ 12f: Gr Pn Png Al]
1050. Wilson, [W.] Sur les caractères des deux crânes d'ourang-outang. *L'Institut, Paris, Sect. 1*,* 1836, 4, 216. [Abstr.: Png]
1051. Wyman, J. A description of two additional crania of the Engé-ena (*Troglodytes gorilla*, Savage), from Gaboon, Africa. *Amer. J. Sci.*, 1850, (2), 9, 34-45. [4t: Gr]
1052. Wyman, J. Observations on the cranium of a young gorilla. *Proc. Boston Soc. nat. Hist.*, 1862-63 [1863], 9, 203-26. [Gr Pn]
- See also: 144, 170, 200, 212, 217, 222, 223, 597, 783, 1062b, 1064, 1067, 1070, 1090, 1104, 1126, 1391, 11565, 565a, 3960, 4028.

Skull as a whole

DIMENSIONS, ANGLES & INDICES

1053. Aeby, Char. *Die Schädelformen des Menschen und der Affen. Eine morphologische Studie.* Leipzig: F. C. W. Vogel, 1867, viii, 132 pp., 7 pls. [+ + vnt: Gr Pn Png Hyl Prsb Clb Nas C-p Mc Pp Saim Ceb Lor Nyct-c Prdct Glg]
1054. Aeby, C. Beiträge zur Kenntniss der Mikrocephalie. III. *Arch. Anthropol., Braunschw.*, 1874, 7, 199-262, pls. 1-4. [+ nt: Pn Png Hyl Pp C-p Atl]
1055. de las Barras de Aragón, F. Ensayo de aplicación a los antropoides de la hoja craneométrica aprobada por el Congreso de Antropología de Mónaco. *Bol. Soc. esp. Hist. nat.*, 1924, 24, 132-151. [nt: Gr Pn Png Hyl]
1056. Berry, R. J. A. & Robertson, A. W. D. The place in nature of the Tasmanian aboriginal as deduced from a study of his calvarium.—Part 1. His relations to the anthropoid apes, *Pithecanthropus*, *Homo primigenius*, *Homo fossilis*, and *Homo sapiens*. *Proc. roy. Soc. Edinb.*, 1910-11, 31, 41-69, 2 tbls. [+ 27t-22r: Gr Pn Png Hyl]
1057. von Bischoff, T. L. W. Ueber Brachycephalie und Brachyencephalie des Gorilla und der anderen Affen. *S. B. bayer. Akad. Wiss.*, 1881, 11, 379-390, 1 pl. [6t: Gr Pn Png Hyl Symp Mc Pp Mndr Saim Ceb Ail Al Hap Myst Lm Lor Nyct-c Glg]
1058. Bolk, L. Over het bestaan van een langhoofdig gorillaras. *Versl. gewone Vergad. Akad. Amst.*, 1925, 34, (1), 286-296.—On the existence of a dolichocephalic race of gorilla. *Proc. Acad. Sci. Amst.*, 1925, 28, (1), 204-213. [9f: Gr]
1059. Cameron, J. The main angle of cranial flexion (The nasion-pituitary-basion angle). Craniometric studies, No. 5. *Amer. J. phys. Anthrop.*, 1927, 10, 275-279. [++ Gr Pn Png Hyl Lm]
- 1059a. Cameron, J. The pituitary-nasion-basion angle. A new cranial angle: its significance in man, the anthropoids and lower mammals. Craniometric studies, No. 6. *Amer. J. phys. Anthrop.*, 1927, 10, 280-286. [+ 5t: see 1059]
- 1059b. Cameron, J. The pituitary-basion-nasion angle. A new cranial angle: its significance in man, the anthropoids, and lower mammals. Craniometric studies, No. 7. *Amer. J. phys. Anthrop.*, 1927, 10, 286-292. [+ 5t: see 1059]
- 1059c. Cameron, J. Researches in craniometry. No. 3. Certain factors that are concerned in the evolution of the frontal cranial arc. *Trans. roy. Soc. Can.*, 1927, (3), 21, sect. 5, 395-405. [+ 2f-10t: Gr Pn Png Hyl]
- 1059d. Cameron, J. Researches in craniometry. No. 4.—A study of the chords and curvatures of the frontal cranial arc in man and the anthropoids. *Trans. roy. Soc. Can.*, 1927, (3), 21, sect. 5, 407-419. [+ 2f-14t-r: see 1059c]
- 1059e. Cameron, J. Researches in craniometry. No. 5. The bregma-nasion-pituitary angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 25-34, 1 pl. [+ 1f-5t-11r: Gr Pn Png Hyl Lm]
- 1059f. Cameron, J. Researches in craniometry. No. 6. The bregma-pituitary-nasion angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 35-40, 1 pl. [+ 2f-3t: see 1059e]
- 1059g. Cameron, J. Researches in craniometry. No. 7. The nasion-bregma-pituitary angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 41-46. [+ 3f-5t: see 1059e]
- 1059h. Cameron, J. Researches in craniometry. No. 8. Three new cranial indices. The relative proportions of the three sides of the bregma-nasion-pituitary triangle in man, the anthropoid apes and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 47-56. [+ 1f-9t: see 1059e]
- 1059i. Cameron, J. Researches in craniometry. No. 10.—The basion-nasion-alveolar angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 97-107, 1 pl. [+ 1f-5t-15r: see 1059e]
- 1059j. Cameron, J. Researches in craniometry. No. 11.—The nasion-alveolar-basion angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 109-115, 1 pl. [+ 2f-3t-10r: see 1059e]
- 1059k. Cameron, J. Researches in craniometry. No. 12.—The nasion-basion-alveolar angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1928, (3), 22, sect. 5, 117-121. [+ 1f-3t: see 1059e]
- 1059l. Cameron, J. Researches in craniometry. No. 14. The pituitary-nasion-alveolar angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 103-109, 1 pl. [+ 2f-3t-4r: see 1059e]
- 1059m. Cameron, J. Researches in craniometry. No. 15. The nasion-alveolar-pituitary angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 111-114, 1 pl. [+ 1f-3t: see 1059e]
- 1059n. Cameron, J. Researches in craniometry. No. 16. The nasion-pituitary-alveolar angle. A new cranial angle. Its significance in man, the

anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 115-118.

[+ 1f-3t: see 1059e]

1059o. Cameron, J. Researches in craniometry. No. 17. Three new cranial indices. The relative proportions of the sides of the nasion-alveolar-pituitary triangle in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 119-133. [+ 1f-16t-5r: see 1059e]

1059p. Cameron, J. Researches in craniometry. No. 18. Two new cranial indices. The relative proportions of the sides of the gnathic triangle in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 135-142. [+ 1f-5t]

1059q. Cameron, J. Researches in craniometry. No. 19. The basion-pituitary-alveolar angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 199-211, 1 pl.

[+ 2f-6t-10r: see 1059e]

1059r. Cameron, J. Researches in craniometry. No. 20. The pituitary-alveolar-basion angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 213-220.

[++ 1f-5t: see 1059e]

1059s. Cameron, J. Researches in craniometry. No. 21. The pituitary-basion-alveolar angle. A new cranial angle. Its significance in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 221-228.

[+ 2f-3t: see 1059e]

1059t. Cameron, J. Researches in craniometry. No. 22. Three new cranial indices. The relative proportions of the three sides of the pituitary-alveolar-basion triangle in man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 229-241. [+ 1f-9t: see 1059e]

1059u. Cameron, J. Researches in craniometry. No. 23. The inclination of the cranio-facial axis (Cameron) to the Frankfort plane in man and in lower mammals. *Trans. roy. Soc. Can.*, 1929, (3), 23, sect. 5, 243-251, 1 pl.

[+ 1f-7t: Gr Pn Lm]

1059v. Cameron, J. Researches in craniometry. No. 24.—The nasion-subnasion height. The basion-subnasion length. Two new cranial dimensions. Their significance in modern and fossil man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1930, (3), 24, sect. 5, 1-11.

[+ 1f-6t-r: Gr Pn Png]

1059w. Cameron, J. Researches in craniometry. No. 25.—Three new cranial indices. The relative proportions of the sides of the superior gnathic triangle in modern and fossil man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1930, (3), 24, sect. 5, 13-26.

[+ 1f-11t: Gr Pn Png Hyl Mc]

1059x. Cameron, J. Researches in craniometry. No. 26.—The subnasion alveolar height. A

new cranial dimension. Its significance in modern and fossil man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1930, (3), 24, sect. 5, 27-34. [+ 4t: Gr Pn Hyl Mc Lm]

1059y. Cameron, J. Researches in craniometry. No. 27.—Three new cranial indices. The relative proportions of the sides of the inferior gnathic triangle in modern and fossil man, the anthropoids and lower mammals. *Trans. roy. Soc. Can.*, 1930, (3), 24, sect. 5, 35-52. [++ 2f-10t-r: see 1059w]

1059z. Cameron, J. Craniometric memoirs. No. II. The human and comparative anatomy of Cameron's cranio-facial axis. *J. Anat., Lond.*, 1930, 64, 324-336, 5 pls.

[++ 5t-10r: Gr Pn Png Hyl Lm Tars]

1060. Cameron, J. Craniometric memoirs. No. III. The superior gnathic triangle. A new cranial triangle. Its significance in modern and fossil man, the anthropoids and lower mammals. *J. Anat., Lond.*, 1930, 65, 122-136.

[+ 1f-12t-12r: see 1059z]

1060a. Cameron, J. The subnasion. A new cranial point. Its significance in modern and fossil man, the anthropoids, and lower mammals. Craniometric studies, No. 24. *Amer. J. phys. Anthropol.*, 1930, 14, 33-40. [+ 1f: see 1059z]

1060b. Cameron, J. The interorbital width. A new cranial dimension. Its significance in modern and fossil man and in lower mammals. Craniometric studies, No. 28. *Amer. J. phys. Anthropol.*, 1931, 15, 509-519.

[+ 3t: Gr Pn Png Tars]

1060c. Cameron, J. Correlation between the interorbital width and the nasal width of the skull. Craniometric studies, No. 29. *Amer. J. phys. Anthropol.*, 1931, 15, 520-523.

[+ 1t: Gr Pn Png]

1060d. Cameron, J. The inferior frontal triangle—a new cranial triangle. Craniometric studies, No. 33. *Amer. J. phys. Anthropol.*, 1932, 17, 99-110. [+ 1f: Gr Pn Png Hyl]

1060e. Cameron, J. Three new cranial indices—The relative proportions of the three sides of the inferior frontal triangle in man and the anthropoids. Craniometric studies, No. 34. *Amer. J. phys. Anthropol.*, 1932, 17, 111-116.

[++ see 1060d]

1060f. Cameron, J. The inferior frontal triangle as an index of evolutionary activity in the region of the frontal cranial arc. Craniometric studies, No. 35. *Amer. J. phys. Anthropol.*, 1932, 17, 117-121.

1060g. Coolidge, H. J., Jr. A revision of the genus *Gorilla*. *Mem. Harv. Mus. comp. Zool.*, 1929, 50, 291-381, 21 pls., 2 maps. [19f-vnt-vnr: Gr]

1060h. Coolidge, H. J., Jr. Zoological results of the George Vanderbilt African Expedition of 1934. Part IV,—Notes on four gorillas from the Sanga River region. *Proc. Acad. nat. Sci., Philad.*, 1936, 88, 479-501, pls. 12-13.

[1f-4t-r: Gr]

1061. Crull, Wolterus Henricus. *Dissertatio anthropologico-medica inauguralis, de cranio ejusque ad faciem ratione*. Inaug.-Diss. Groningae, N. Veenkamp et fil., 1810, 112 + 10 pp., 2 pls. [Png C-c Pp]
- 1061a. Cwirko-Godycki, M. Influence des muscles masticateurs sur la morphologie crânienne. (Recherches sur les crânes Mélanésiens des Nouvelles-Hébrides.) *Rev. anthrop.*, 1928, 38, 140-168, 1 pl. [++ 4f-11t-19r: Gr Pn C-p Ery-c Mc]
- 1061b. Duckworth, W. L. H. Measurements on the cranium bisected in the mesial sagittal plane. *Stud. Anthropol. Lab., Anat. Sch., Cambridge*, * 1904, 80-90. [++ 13f-4t: Gr Pn Png C-p Mc]
- 1061c. Džavachov, G. A. (Coupe sagittale du crâne chez les singes anthropomorphes et dans les diverses races humaines.) *Bull. Acad. Sci. St-Petersb.*, 1908, (6), 2, 857-880. [++ 4f-8t-Russ.]
1062. Džavachov, G. A. (Coupe sagittale du crâne de différents singes (en comparaison avec les lémourides et les races humaines).) *Bull. Acad. Sci. St-Petersb.*, 1909, (6), 3, (1), 687-711, 4 pls. [++ 11f-33t-Russian]
- 1062a*. Dschawachischwili, G. Über einige Quermasse am Affen- und Menschenschädel. *Bull. Univ. Tiflis*, 1924, 4. Abstr.: *Anthrop. Anz.*, 1925, 2, p. 157. [Gr Pn Png Hyl Mc Pp]
- 1062b. Goldblatt, I. The cranial characters of some South African baboons. *S. Afr. J. Sci.*, 1926, 23, 764-783, pl. 16. [1f-3t: Pp]
1063. Groeneveld, G. Gorille dolichocephale et leptoprosopique. *Ann. Anat. path. méd.-chir.*, 1927, 4, 1056-1057. [Gr]
1064. Gruber-Thalmann, G. Gorillaschädel vom Likouala. *Ann. naturh. (Mus.) Hofmus. Wien*, 1932-33, 46, 165-183, pls. 8-11. [13f-5t: Gr]
- 1064a. Hara, S. Vergleichende Untersuchungen über einen planimetrischen Cranio-Facial-index. *Z. Morph. Anthrop.*, 1932, 30, 571-585, 7 tpls. [++ 10f: Gr Pn Png Hyl C-p Mc]
1065. Harris, H. A. Endocranial form of gorilla skulls with special reference to the existence of dolichocephaly as a normal feature of certain primates. *Amer. J. phys. Anthrop.*, 1926, 9, 157-172. [5f-4t-18r: Gr]
1066. Harris, H. A. The skull, the face, and the teeth of primates, with special reference to dolichocephaly and the centres of growth in the face.—Part I. *Proc. zool. Soc. Lond.*, 1927, (2), 491-502, 6 pls. [6t-29r: Gr Pn Png Mc Pp Lm]
1067. Hasskó, A. Összehasonlító vizgálatok orangután koponyákon. [Vergleichende Untersuchungen an Orangutanschädeln.] *Ann. hist.-nat. Mus. hung.*, 1929, 26, 73-96, pls. 2-7. [nt-Biol. Abstr., 1935, 9, no. 206: Png]
1068. Hervé, G. Crâne du jeune gorille. *Bull. Soc. Anthropol. Paris*, 1892, (4), 3, 387-389. [Gr]
1069. Hoff, P. Rapports des différentes largeurs et de la longueur des trois étages du crane. *Anthropologie, Paris*, 1922, 32, 453-479. [+ 18t: Pn Png C-p Mc Ceb Lm]
1070. Hrdlička, A. Anatomical observations on a collection of orang skulls from western Borneo; with a bibliography. *Proc. U. S. nat. Mus.*, 1907 [1906], 31, 539-568. [3f-13t-159r: Png]
1071. Huber, Ludwig. *Vergleichung des Hylobates- und Menschenschädels*. Inaug.-Diss. (Phil.) München, Russ & Dirschl, 1902, 83 pp., 2 pls. [15f-nt: Png Hyl Symph Prsb Nas Mc]
1072. Keith, A. Cranial characteristics of gorillas and chimpanzees. *Nature, Lond.*, 1927, 120, 914-915. [Gr Pn]
1073. Kohlbrugge, J. H. F. Schädelmaasse bei Affen und Halbaffen. *Z. Morph. Anthrop.*, 1902, 4, 318-344. [25t: Hyl Symph Prsb Clb Ceb Mc ?Cyn-p Lm Pr-p Avh Nyct-c Tars]
1074. Kool, J. A. *Craniometrie of onderzoek van den menschelijken schedel bij verschillende volken, in vergelijking met dien van den orang oetan*. Amsterdam: J. de Ruijter, 1852, 112 pp., 4 pls. [+ nt: Png]
- 1074a*. Kurokōti, B. (Anthropologische Beobachtungen an dem Schädel der anthropoiden Affen.) *Nihon Shika Gk. Z., Tokyo*, * 1936, 29, 541-583, 625-688, 729-744, 6 pls. [200t-Jap.: Gr Pn Png Hyl]
1075. Leche, W. Über Beziehungen zwischen Gehirn und Schädel bei den Affen. *Zool. Jb. Suppl.*, 1912, 15, (2), 1-106, pls. 1-4. [47f-vnt-nr: Prsb Mc Cal-c Saim Ceb Al]
1076. Lissauer, A. Untersuchungen über die sagittale Krümmung des Schädels bei den Anthropoiden und den verschiedenen Menschenrassen. *Arch. Anthrop., Braunschw.* 1885, 15, Suppl. 9-120, pls. 14-20. [+ vnt: Gr Pn Png]
1077. Lucae, J. C. G. Affen- und Menschenschädel im Bau und Wachstum verglichen. *Arch. Anthrop., Braunschw.*, 1873, 6, 13-38, pls. 1-10. [++ 5t: Gr Png Prsb Mc Pp Mndr Ceb Lag Hap]
1078. Matiegka, J. (*L' Australopithecus africanus*. Contribution à la connaissance de la morphologie des jeunes anthropoïdes.) *Anthropologie, Prague*, 1926, 4, 38-69. [+++ 3f-3t-15r-Czech with Fr. abstr. pp. 63-66: Gr Pn Png]
1079. Oppenheim, Stefanie. Zur Typologie des Primatencranium. *Z. Morph. Anthrop.*, 1911, 14, 1-203, pls. 1-14. [34f-nt-25r: Gr Pn Png Hyl Symph Prsb C-c Mc Thr-p Pp Mndr Ceb Al Hap Lm]

1080. Pearl, Ruth DeWitt. A note on the relative areas of the nuchal and temporal surfaces with increase in cranial capacity. *Anthrop. Anz.*, 1936, 12, 284-292. [+ 3f-3t: Gr Pn Png]

1081. Pittaluga, Rosetta. Studi osteologici sulle scimmie antropomorfe. *Atti Soc. romana Antrop.*, 1907, 13, 155-185. [3f-2t: Gr Pn Png Hy]

1082. Pittard, E. & Seylan, H. A. Le prognathisme, la capacité crânienne et l'aire du trou occipital chez les anthropoïdes. *Arch. Sci. phys. nat.*, 1937, (5), 19, Suppl. 108-111. [4t: Gr Pn Png Hy]

1082a. Pittard, E. & Pittard, J.-J. Le poids du crane, le poids de la mandibule et l'indice cranio-mandibulaire chez les anthropoïdes (gorilles, orangs, chimpanzées). *Arch. suisses Anthrop.*, 1935-1937 [1935], 7, 145-156. [cf. no. 1423: Gr Pn Png]

1083. Pittard, J.-J. Le poids du crâne et de la mandibule et l'indice cranio-mandibulaire des anthropoïdes (gorilles, orangs, chimpanzées). *Verh. schweiz. naturf. Ges.*, 1935, 116, 350-351. [2t-abstr: Gr Pn Png]

1084. Schultz, A. H. Studies on the variability of platyrrhine monkeys. *J. Mammal.*, 1926, 7, 286-305, pl. 27. [8f-4t: Ceb Atl Al]

1085. Schwalbe, G. Studien über *Pithecanthropus erectus* Dubois. I. Theil. I. Abtheilung. *Z. Morph. Anthrop.*, 1899, 1, 16-240, pls. 1-3. [++ 58f-33t-117r: Gr Pn Png Hy]

[Symph Prsb C-p C-c Mc Pp Ceb Atl Lm]

1086. Schwartze, Herm. Wilh. Rud. *Descriptio osteologica capitis Simiae parum adhuc notae*. Inaug.-Diss. (Med.) Berolini, Typis Nietackianis, 1839, 28 pp., 2 pls. [8 pls: Png]

1087. Schwyer, Paul. *Der Schädel des Inuus speciosus japonensis, sein Variationskreis und Zahnbau. Anthropologisch-zoologische Untersuchung*. Inaug.-Diss. (Phil.) München, C. Wolf & Sohn, 1909, 192 pp., 20 pls. [vnt: Mc]

1088. Stratz, C. H. Das Verhältnis zwischen Gesichts- und Gehirnschädel beim Menschen und Affen. *Arch. Anthrop., Braunschw.*, 1905, 31, 85-93. [+ 12f: Pn Png]

1089. Ugolini, U. La cassa ossea del cervello studiata analiticamente in alcuni crani di scimmia. *Atti Accad. sci. ven.-trent.-istr.*, 1882, 8, 147-275. [nt: Mc Pp Ceb Atl Al]

1090. Warren, E. Craniometrical data of the immature skull of a female chimpanzee. *Ann. Natal Mus.*, 1926, 5, 403-409, pl. 22. [Pn]

1091. Waruschkin, A. Ueber die Profilierung des Gesichtsschädels. (Horizontale Messungen am Gesichtsschädel.) *Arch. Anthrop., Braunschw.*, 1900, 26, 373-448, pls. 1-2. [++ 37t: Gr Pn Png]

1092. Weil, A. Measurements of cerebral and cerebellar surfaces. Comparative studies of the

surfaces of endocranial casts of man, prehistoric men, and anthropoid apes. *Amer. J. phys. Anthropol.*, 1929, 13, 69-90.

[++ 9f-8t: Gr Pn Png Hy]

1093. Weinbrenn, Clara. Variations in the skull of *Cercopithecus aethiops pygerythrus*. *S. Afr. J. Sci.*, 1930, 27, 501-520, pl. 9. [12f-2t-r: C-p Mc Ceb]

1094. Wells, L. H. A note on two baboon crania from Cathkin Peak Forest Reserve, Natal. *S. Afr. J. Sci.*, 1932, 29, 647-650. [Pp]

1095. Wieger, Germain. Die anthropologische Sammlung des anatomischen Instituts der Universität Breslau. II. Schädel und Skellette der anthropoiden Affen. *Arch. Anthrop., Braunschw.*, 1885, 15, Suppl., 39-45. [nt: Pn Png Hy]

See also: 129, 350, 767a, 811, 813, 816, 817, 858, 871, 875, 996, 1004, 1015, 1019b, 1021, 1023, 1027, 1030, 1031, 1035, 1043, 1044, 1046, 1047, 1048, 1051, 1061a, 1075, 1084, 1120, 1121, 1125, 1147, 1163, 1166, 1196a, 1233, 1251, 1253, 1258, 1296, 1334a, 1338a, 1348a, 1349, 1565, 3964, 3994, 3996, 4028 & Geof. St.-Hilaire & Cuvier, Intr. III.

Craniometry

ASYMMETRY OF THE SKULL

1096. Howell, A. B. Asymmetry in the skulls of mammals. *Proc. U. S. nat. Mus.*, 1925, 67, no. 27, 18 pp., 8 pls. [++ 11r: Gr C-p]

1097. Leisewitz, W. Ein Beitrag zur Kenntnis der bilateralen Asymmetrie des Säugetierschädels. *S. B. Ges. Morph. Physiol. München*, 1906, 22, 137-151. [+ Lag]

See also: 1079, 1084, 1092, 1342, 1853.

Craniometry

SEX DIFFERENCES IN SKULL

See also: 201, 871, 875, 1031, 1043, 1079, 1089, 1091, 1093, 1099.

Craniometry

CRANIAL CAPACITY

1097a. Fumagalli, S. Peso, volume e capacità del cranio in alcune serie umane e di primati. *Riv. Antrop.*, 1930-32, 29, 81-137.

[++ vnt: Pn Png Pp]

1098. Hagedoorn, A. Schedelcapaciteit van antropomorphen. *Ned. Tijdschr. Geneesk.*, 1924, 68, 1. helft A, 1240-1242. [Abstr.]

1099. Hagedoorn, A. Schädelkapazität der Anthropomorphen. *Anat. Anz.*, 1926, 60, 417-427. [nt-14r: Gr Pn Png Pp]

1100. Jacobi, Alfred. *Die Größenverhältnisse der Schädelhöhle und der Gesichtshöhlen bei den Menschen und Anthropoiden*. Inaug.-Diss. (Phil.) Leipzig. Berlin: Rosenthal & co., 1901, 99 pp.

[+ vnt-r: Gr Pn Png]

1101. Lenz. Ein in der Lübecker Sammlung befindlicher Orang-Utang-Schädel, der durch seine hohe Kapazität (535 ccm.) auffällt. *Zbl. Anthropol.*, 1897, 2, 345-346. [Abstr.: Png]

1102. Mantegazza, P. Dell'indice cefalospinale nell'uomo e nelle scimmie antropomorfe e metodo per determinarlo. *Arch. Antrop. Etnol.*, 1871, 1, 40-59, pl. A. [++ nt: Gr Pn Png Hyl C-p Mc Pp Al]

1103. Mollison, T. Zur Beurteilung des Gehirnreichtums der Primaten nach dem Skelett. *Arch. Anthropol., Braunschw.*, 1915, 41, 388-396. [2f-t: Gr Pn Png Hyl SympH C-p Mc Pp Al]

See also: 164, 811, 1001, 1021, 1027, 1040, 1043, 1044, 1048, 1051, 1058, 1065, 1066, 1067, 1070, 1072, 1075, 1079, 1080, 1081, 1082, 1085, 1087, 1089, 1093, 1124, 1125, 1134, 1136, 1208, 1423, 1961, 3934, 3964.

Craniometry

CRANIO-CEREBRAL RELATIONS & THE ENDOCRANIUM

1104. Clark, W. E. Le Gros, Cooper, D. M. & Zuckerman, S. The endocranial cast of the chimpanzee. *J. roy. anthrop. Inst.*, 1936, 66, 249-268. [7f-2t-7r: Pn]

1105. Féré, C. Contribution à l'étude de la topographie cranio-cérébrale chez quelques singes. *J. Anat., Paris*, 1882, 18, 545-563. [14f-t: Png Prsb C-p Mc Pp Mndr Ceb Hap Lm]

1106. Féré, C. Deuxième note sur la topographie cranio-cérébrale chez les singes. *J. Anat., Paris*, 1885, 21, 298-303. [5f-t: Gr Pp Cacaj Ceb Lag Atl]

1106a. Jupitz, R. Über das Verhalten der drei Schädelgruben beim Menschen und bei den Anthropomorphen. *Anthrop. Anz.*, 1929, 6, 162-166. [+++ 2f: Gr Pn Png Hyl]

1107. Schwalbe, G. Über das Gehirnrelief des Schädels bei Säugetieren. *Z. Morph. Anthropol.*, 1904, 7, 203-222, pls. 2-3. [++ 4f-10r: Gr Pn Png Hyl SympH Prsb Clb C-p Saim Ceb Atl Al Hap Lm Hp-l Indr]

See also: 1079, 1085, 1087, 1092, 1249, 1257, 1808, 1988.

Skull as a whole

EMBRYOLOGY & AGE CHANGES CHONDROCRANIUM & FOETAL DEVELOPMENT

1108. Fischer, E. Zur Kenntnis des Primordialcraniums der Affen. *Anat. Anz.*, 1902, 20, 410-417. [1f: Mc]

1109. Fischer, E. Zur Vergleichung des Menschen- und Affenschädels in frühen Entwicklungsstadien. *KorrespBl. dtsh. Ges. Anthropol.*, 1902, 33, 153-156. [++ Prsb Mc]

1110. Fischer, E. Demonstration von Modellen zur Vergleichung der Schädelentwicklung von Mensch und Affe mit besonderer Berücksichtigung der Nase. *Verh. Ver. süddtsch. Laryng.*, 1903, 10, 626-630. [++ Prsb Mc]

1111. Fischer, E. Zur Entwicklungsgeschichte des Affenschädels. *Z. Morph. Anthropol.*, 1903, 5, 383-414, pls. 11-12. [4f-25r: Prsb Mc]

1112. Fischer, E. Das Primordialcranium von *Tarsius spectrum*. *Versl. gewone Vergad. Akad. Amst.*, 1905, 14, 404-407.—On the primordial cranium of *Tarsius spectrum*. *Proc. Acad. Sci. Amst.*, 1905, 8, 397-400. [Tars]

1113. Henckel, [K. O.] Das Primordialkranium der Halbaffen und die Abstammung der höheren Primaten. *Anat. Anz.*, 1927, 63, ErgH., 108-116. [6f-r: Prsb Nyct-c Tars]

1114. Henckel, K. O. Zur Entwicklungsgeschichte des Halbaffenschädels. *Z. Morph. Anthropol.*, 1927, 26, 365-383, pls. 10-14. [25r: Nyct-c Tars]

1115. Henckel, K. O. Das Primordialkranium von Tupaja und der Ursprung der Primaten. *Z. Anat. EntwGesch.*, 1928, 86, 204-227. [++ 22f-r]

1116. Henckel, K. O. Studien über das Primordialkranium und die Stammesgeschichte der Primaten. *Gegenbaurs Jb.*, 1928, 59, 105-178. [3f-nr: Prsb Mc Saim Al Hap Lm Nyct-c Tars]

1117. Naef, A. Zur Morphologie und Stammesgeschichte des Affenschädels. *Naturwissenschaften*, 1926, 14, 89-97. [++ 13f: Gr Pn Png Hyl C-p Mc Pp]

1118. Naef, A. Über die Urformen der Anthropomorphen und die Stammesgeschichte des Menschenschädels. *Naturwissenschaften*, 1926, 14, 445-452, 472-477. [++ 16f: Pn Hyl Prsb]

1119. Schwindewolf, O. H. Das Problem der Menschwerdung, ein paläontologischer Lösungsversuch. *Jahrb. preuss. geol. LdAnst.*, 1920, 49, (2), 716-766. [++ 30f-nr: Gr Pn Png Lm]

See also: 1162, 1215, 1216, 1278, 1302.

AGE CHANGES IN SKULL

1120. de Aranzadi, T. Calaveras de chego y de chimpancé joven. *Publ. Secc. Cienc. nat. Barcelona*, 1922, no. 14, 113-136, Fr. rés. pp. 133-136. [16f: Pn]

1121. Deniker, J. Le développement du crâne chez le gorille. *Bull. Soc. Anthropol. Paris*, 1885, (3), 8, 703-714. [1f-t: Gr]

1122. Dumortier, [B. C.] Note sur les métamorphoses du crâne de l'orang-outang. *Bull. Acad. Belg., Cl. Sci.*, 1838, 5, 756–762. [Png]

1123. Dumortier, [B. C.] Observations sur les changements de forme que subit la tête chez les orangs-outans. *Ann. Sci. nat., Zool.*, 1839, (2), 11, 56–58. [Png]

1124. Gaul, G. Über die Wachstumsveränderungen am Gehirnschädel des Orang-Utan. *Z. Morph. Anthrop.*, 1933, 31, 362–394, pls. 38–39, 5 tpls. [6f-20r: Png]

1125. Keil, E. Wachstumsveränderungen am Gesichtsschädel des Orang-Utan. *Z. Morph. Anthrop.*, 1932, 31, 173–227, 8 tpls. [15f-8t-40r: Png]

1126. Keith, A. Description of a new craniometer and of certain age changes in the anthropoid skull. *J. Anat., Lond.*, 1910, 44, 251–270.

[++ 9f-1t: Gr Pn Png Hyl SympH]

1127. Krogman, W. M. The problem of growth changes in the face and skull as viewed from a comparative study of anthropoids and man. *Dental Cosmos*, 1930, 624–630.

[++ 7f-t: Gr Pn Png]

1128. Krogman, W. M. Studies in growth changes in the skull and face of anthropoids. II. Ectocranial and endocranial suture closure in anthropoids and Old World apes. *Amer. J. Anat.*, 1930, 46, 315–353. [6f-8t-21r: Gr Pn Png Hyl SympH Mc Thr-p Pp]

1129. Krogman, W. M. Studies in growth changes in the skull and face of anthropoids. III. Growth changes in the skull and face of the gorilla. *Amer. J. Anat.*, 1931, 47, 89–115.

[7f-3t-53r: Gr]

1130. Krogman, W. M. Studies in growth changes in the skull and face of anthropoids. IV. Growth changes in the skull and face of the chimpanzee. *Amer. J. Anat.*, 1931, 47, 325–342.

[9f-3t: Pn]

1131. Krogman, W. M. Studies in growth changes in the skull and face of anthropoids. V. Growth changes in the skull and face of the orangutan. *Amer. J. Anat.*, 1931, 47, 343–365.

[9f-3t: Png]

1132. Lucae, J. C. G. Ueber Wachstum des Affenschädels im Vergleich zu dem beim Menschen. *Arch. Anthrop., Braunschw.*, 1872, 5, 518–520. [+ Png]

1133. von Török, A. Ueber die Metamorphose des jungen Gorillaschädels. *KorrespBl. dtsh. Ges. Anthrop.*, 1887, 18, 141–150. [nt: Gr]

1134. Vram, U. G. Accrescimento e sviluppo del cranio del *Cynocephalus hamadryas*. *Boll. Soc. zool. ital.*, 1910, (2), 11, 136–208.

[9f-6t-30r: Pp]

1135. Zuckerman, S. Growth-changes in the skull of the baboon, *Papio porcarius*. *Proc. zool. Soc. Lond.*, 1926, (2), 843–873, 1 pl. [7f-5t-r: Pp]

1136. Zuckerman, S. Age-changes in the chimpanzee, with special reference to growth of brain, eruption of teeth, and estimation of age; with a note on the Taungs ape. *Proc. zool. Soc. Lond.*, 1928, (1), 1–42, 4 pls. [3f-4f-nr: Pn]

See also: 871, 875, 1031, 1032, 1043, 1044, 1047, 1053, 1064a, 1067, 1073, 1075, 1077, 1079, 1087, 1089, 1091, 1120, 1124, 1128, 1146, 1147, 1155, 1162, 1163, 1186, 1253, 1315, 1321, 1330, 1353a, 1434, 1441, 1983 & von Heusinger, Intr. I.

Skull as a whole

ANOMALIES OF THE SKULL

1137. Anthony, R. Modifications craniennes consécutives à la synostose prématurée d'une portion de la suture coronale gauche chez un mandrill. *Bull. Soc. Anthrop. Paris*, 1911, (6), 2, 190–196, 1 pl. [2f: Mndr]

1138. de Beaux, O. Considerazioni di morfologia su di un cranio patologico di amadriade (*Hamadryas hamadryas*, L.). *Atti. Soc. ligust. Sci. nat. geogr.*, 1921, 32, 75–90, 1 pl. [Pp]

1138a. Cipriani, E. Osso maxillo-naso-frontale e altre anomalie in un cranio di orang. *Arch. Antrop. Etnol.*, 1924 [1926], 54, 132–136.

[1f: Png]

1139. Cunningham, R. O. On the occurrence of a pair of supernumerary bones in the skull of a lemur and on a peculiarity in the skull of a young orang. *Proc. zool. Soc. Lond.*, 1896, 996–999.

[2f: Png Lm]

1140. Flower, W. H. Exhibition of, and remarks upon, the skull of a young chimpanzee. *Proc. zool. Soc. Lond.*, 1882, 634–636.

[1f-1t: Pn]

1141. Frassetto, F. Plagiocefalia e plagioprosopia nei primati. *Anat. Anz.*, 1902, 22, 25–30.

[3f-16r: Prsb Ery-c]

1142. Hilzheimer, M. Domestikationsmerkmale am Schädel des Gorilla Bobby. *Z. Säugetierk.*, 1937, 12, 89–96, pl. 3. [Gr]

1143. Landois, H. Über einen Affenschädel mit doppeltem Schädeldache. *Jber. westf. Prov. Ver. Wiss. Kunst.*, 1879 [1880], 8, 24–26.

[C-p Ceb]

1144. Le Double, Anatole Félix. *Traité des variations des os du crâne de l'homme, et de leur signification au point de vue de l'anthropologie zoologique*. Paris: Vigot frères, 1903, xv, 400 pp.

[+ 118f-r]

1145. Vram, U. Sul modo di formarsi di alcune anomalie delle ossa del cranio nei primati. *Boll. Ist. Zool. Roma*, 1923, 1, 17–20. [Mc]

See also: 875, 1018, 1031, 1146, 1150, 1151, 1161, 1164, 1170, 1173, 1177, 1185, 1209, 1212, 1222, 1268, 1283, 1298, 1301, 1326, 1327, 1470, 1927, 3678.

Skull as a whole

SPECIAL MORPHOLOGY

SUTURES, FONTANELLES &
OSSA INTERCALARIA

1146. Ashley-Montagu, M. F. The medio-frontal suture and the problem of metopism in the primates. *J. roy. anthrop. Inst.*, 1937, 67, 157-201. [+ + 16t-69r: Gr Pn Png Hyl Symph Prsb Clb Nas Rhn-p C-p Ery-c C-c Mc Cyn-p Thr-p Pp Mndr Aot Cal-c Pith Chirop Saim Ceb Lag Brchyt Atl Al Hap Myst Oed-m Leon-c Pr-p Indr Glg Nyct-c Prdct Tars]
1147. Bolk, L. Über die Obliteration der Nähte am Affenschädel, zugleich ein Beitrag zur Kenntnis der Nahtanomalien. (Neunter Beitrag zur Affenanatomie). *Z. Morph. Anthrop.*, 1912, 15, 1-206. [64f-39t-21r: Gr Png Symph Prsb Mc Saim Ceb Atl Al Hap Lm Lor Avh]
1148. Bolk, L. Über Metopismus. *Z. Morph. Anthrop.*, 1920, 21, 209-226. [+ + 7f: Gr Mc Aot Saim Avh Lor]
1149. Citterio, V. Persistenza della sutura metopica in un cranio di gorilla. *Boll. Zool.*, 1932, 3, 133-136. [1f: Gr]
1150. Frassetto, F. Notes de craniologie comparée. *Ann. Sci. nat., Zool.*, 1903, (8), 17, 143-363, pls. 3-22. [+ + 53f-t-vnr: Gr Pn Png Hyl Symph Prsb Rhn-p Clb C-p Ery-c Mc Pp Mndr Cal-c Chirop Ceb Atl Al Hap]
1151. Gruber, Wenzel Leopold. *Abhandlungen aus der menschlichen und vergleichenden Anatomie*. St. Petersburg: Buchdruckeri der K. Akad. der Wissenschaften, 1852, viii, 160 pp., 11 pls. [Png C-p Mc Pp Ceb Lag Atl]
1152. von Jhering, R. O osso bregmatico de "procyn" e em geral dos simios, carnivoros e desdentados brasileiros. *Ann. paulist. Med. Cirurg.*, 1915, 5, 102-106, pl. 6. [+ r]
1153. Maggi, L. Altri risultati di ricerche morfologiche intorno ad ossa craniali, cranio-facciali e fontanelle dell'uomo e d'altri mammiferi. Comunicazione preventiva. *R. C. Ist. lombardo*, 1897, (2), 30, 1164-1178. *Boll. Sci.*, * 1897, 19, 87-96.
1154. Maggi, L. Fontanella metopica e frontali medi quadruplici nei vertebrati superiori. *R. C. Ist. lombardo*, 1899, (2), 32, 671-681, pl. 1. [+ Prsb Clb Lm Pr-p Lor]
1155. Maggi, L. Nuove fontanelle craniali. *R. C. Ist. lombardo*, 1899, (2), 32, 1297-1303. [2f: Lor]
1156. Maggi, L. Nuovi ossicini craniali negli antropoidi e loro significato morfologico. *R. C. Ist. lombardo*, 1901, (2), 34, 147-163, pl. 1. [Gr Pn Png]
1157. Maggi, L. Aggiunte ai nuovi ossicini craniali negli antropoidi. *R. C. Ist. lombardo*, 1901, (2), 34, 471-475. [Png]
1158. Maggi, L. Una visita agli antropoidi del Museo civico di Storia naturale di Genova. *R. C. Ist. lombardo*, 1903, (2), 36, 210-215. [Png]
1159. Patten, C. J. Cranium of a chimpanzee, showing metopic suture; also fontanelle and sutural bone-plates. *J. Anat., Lond.*, 1911, 46, 33-35. [2f: Pn]
1160. Peters, H. B. Über Naht-Anomalien und -Variationen am Primaten-Cranium. *Z. Morph. Anthrop.*, 1932, 30, 317-372, pl. 9-15. [49f-8t-31r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p Ery-c C-c Mc Pp Thr-p Mndr Aot Cal-c Pith Saim Ceb Lag Atl Brchyt Al Hapalidae]
1161. Ranke, J. Die überzähligen Hautknochen des menschlichen Schädeldachs. *Abh. bayer. Akad. Wiss.*, 1899-1900, 20, 275-464. [+ 132f: Pn Png Hyl Pp Al]
1162. Ranke, J. Über das Interparietale und die Verknöcherung des Schädeldachs bei Affen. *S. B. bayer. Akad. Wiss.*, 1913, 223-269. [19f-t: Pn Png Hyl Mc]
1163. Ranke, J. Über Schädelnähte und basale Fugen bei Menschen und Menschenaffen. *S. B. bayer. Akad. Wiss.*, 1913, 397-460. [+ + 11f-nt: Gr Pn Png Hyl Mc]
1164. Remane, A. Nahtanomalieen an Anthropoidenschädeln. II. Überzählige Schädelnähte im Bereiche des Stirnbeins. *S. B. Ges. naturf. Fr. Berl.*, 1921, 37-46. [Gr Pn Png]
1165. Remane, A. Nahtanomalieen an Anthropoidenschädeln. III. Das Vorkommen des Inkabeins bei Anthropoiden. *S. B. Ges. naturf. Fr. Berl.*, 1921, 122-129. [2f-22r: Pn]
1166. Remane, A. Das Stirnnahtproblem. (Eine Entgegnung an Bolk.) *Z. Morph. Anthrop.*, 1923, 23, 153-178. [+ + + 2f-7t-21r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p Ery-c C-c Mc Thr-p Pp Mndr Aot Cal-c Pith Chirop Cacaj Saim Ceb Lag Atl Brchyt Al Hapalidae Lm Hp-l Chrg Pr-p Indr Nyct-c Prdct Glg]
1167. Schultz, A. H. Bregmatic fontanelle bones in mammals. *J. Mammal.*, 1923, 4, 65-77. [+ 28f-1f]
1168. Schwalbe, G. Sulla sutura metopica nei primati. *Atti Soc. romana Antrop.*, 1904, 10, 159-181. [5t-16r: Gr Pn Png Hyl Symph Prsb Clb C-p C-c Mc Pp Aot Chirop Saim Ceb Atl Al Hap Lm Lp-l Hp-l Mcr-c Chrg Avh Pr-p Indr Lor Nyct-c Prdct Glg Daub Tars]
1169. Schwalbe, G. Über die Stirnnaht bei den Primaten. *Z. Morph. Anthrop.*, 1904, 7, 502-523. [3f-5t-17r: see 1168]
1170. Welcker, H. Abnorme Schädelnähte bei Menschen und Anthropomorphen. *Festschr.*

zum 70ten Geburtstage R. Leuckarts. Leipzig: Wilhelm Engelmann, 1892, 1-25, pls. 1-2.

[++ nt: Gr Prsb]

See also: 1018, 1043, 1044, 1064, 1070, 1071, 1085, 1089.

Special morphology

PTERION & POST-ORBITAL REGION

1171. Anoutchine, [D.] Sur la conformation du pterion chez diverses races humaines et les primates. *Bull. Soc. Anthropol. Paris*, 1878, (3), 1, 330-333. [Gr Pn Png Hyl C-p Mc Pp]

1172. Ashley-Montagu, M. F. A note on a rare type of pterion in the gorilla. *J. Anat., Lond.*, 1930, 64, 247-249. [2f-6r: Gr]

1173. Ashley-Montagu, M. F. On a post-frontal and orbital element in a young gorilla skull. *J. Anat., Lond.*, 1931, 65, 446-456.

[6f-19r: Gr]

1174. Ashley-Montagu, M. F. The anthropological significance of the pterion in the primates. *Amer. J. phys. Anthrop.*, 1933, 18, 159-336.

[++ 48f-12t-101r: Gr Pn Png Hyl Symph Prsb Rhn-p Nas Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Mndr Aot Cal-c Pith Chirop Saim Ceb Lag Atl Brchyt Al Hap Myst Oed-m Leon-c Lm Pr-p Indr Prdct Glg Daub Tars]

1175. Camerano, L. Materiali per lo studio della sutura temporofrontale nell' orango e nei miceti. *Boll. Mus. Zool. Anat. comp., Torino*, 1897, 12, no. 291, 3 pp. [12f: Png Al]

1176. Collins, H. B., Jr. The pterion in primates. *Amer. J. phys. Anthrop.*, 1925, 8, 261-274. [7f: Gr Pn Png Hyl Symph Prsb Simias Nas Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Aot Cal-c Pith Saim Ceb Lag Atl Al Hap Sen-c Oed-m Leon-c Lm Pr-p Nyct-c Glg]

1177. Collins, H. B., Jr. Notes on the pterion. *Amer. J. phys. Anthrop.*, 1930, 14, 41-44.

[++ 1f: Gr]

1178. Duckworth, W. L. H. Note on irregularities in the conformation of the post-orbital wall in skulls of *Hylobates mulleri*, and of an aboriginal native of Australia. *J. Anat., Lond.*, 1902, 36, 260-262. [++ 2f: Hyl]

1179. Frassetto, F. Di un osso soprannumerario (fronto parietale sinistro) e di due fontanelle (fronto parietali laterali) non ancora notati. *Boll. Mus. Zool. Anat. comp. Genova*, 1899, 4, no. 78, 6 pp. Idem: *Atti Soc. ligust. Sci. nat. geogr.*, 1899, 10, 111-116, 270. [+++ 2f: Pp]

1180. Goldblatt, I. A "post-orbital" bone in the baboon *Papio porcarius*. *J. Anat., Lond.*, 1927, 62, 90-99. [++ 5f: Pp]

1181. Gregory, W. K. Reply to Professor Wood-Jones's note: "Man and the anthropoids." *Amer. J. phys. Anthrop.*, 1928, 12, 253-256.

[+++ 1p]

1182. Gregory, W. K. A critique of Professor Frederic Wood-Jones's paper: "Some landmarks in the phylogeny of the primates." *Hum. Biol.*, 1930, 2, 99-108.

1183. Hecker, P. La région ptérique osseuse. *Rev. anthrop.*, 1926, 36, 62-68.

1184. Hecker, P. La région ptérique osseuse chez l'homme et les simiens. (Étude d'anatomie comparée). *Arch. Anat., Strasbourg*, 1926-27, 6, 283-320. [23f-2t-33r: Gr Pn Png Hyl Prsb C-p C-c Mc Pp Mndr Ceb Atl Hap Lm Nyct-c]

1185. Hopwood, A. T. Notes on some anomalous gibbon skulls. *J. Anat., Lond.*, 1933, 67, 475-479. [12f: Hyl Symph]

1186. Jones, F. Wood. The structure of the orbito-temporal region of the skull of *Lemur*. *Proc. zool. Soc. Lond.*, 1917, (1), 323-329.

[5f: Lm]

1187. Jones, F. Wood. Man and the anthropoids. *Amer. J. phys. Anthrop.*, 1928, 12, 245-252. [2f]

1188. Jones, F. Wood. Some landmarks in the phylogeny of the primates. *Hum. Biol.*, 1929, 1, 214-228. [+++ 6f]

1189. Joseph, G. Ueber die äusseren Seitenwand der Augenhöhle bei den amerikanischen Affen. *Morph. Jb.*, 1876, 1, 454-466, pl. 15.

[1t: Aot Cal-c Chirop Cacaj Saim Ceb Lag Atl Al Hap]

1190. Mascarenhas, C. Le pterion chez les Portugais. *Arch. Anat., Strasbourg*, 1927, 6, 469-484. [+ 9f-2t-26r: Gr Pn Png Prsb Clb C-p C-c Mc Cyn-p Pp Aot Saim Ceb Al Hap Lm Pr-p Indr]

1191. Nippert, Olga. Zur Morphologie der lateralen Orbitalwand. *Verh. schweiz. naturf. Ges.*, 1929, 110, 184-187. [Abstr.]

1192. Nippert, Olga. Zur Morphologie und Genese der Fossa temporalis mit besonderer Berücksichtigung der lateralen Orbitalwand. *Z. Morph. Anthrop.*, 1931, 29, 1-82.

[+ 24f-vnt-98r: Lm Pr-p Indr Tars]

1193. Ranke, J. Der Stirnfortsatz der Schläfenschuppe bei den Primaten. *S. B. bayer. Akad. Wiss.*, 1898, 28, 227-270. [++ 12f: Gr Pn Png Hyl Prsb C-p Mc Pp Cal-c Saim Ceb Lag Al Hap]

1194. Stadtmüller. Über die postorbitalen Fortsätze und die postorbitale Spange (Orbito-temporalspange) am Säugetier-Schädel. *Z. Morph. Anthrop.*, 1932, 30, 222-251, pls. 1-5.

[++ 13r: esp. Lemuroidea]

See also: 143, 156, 219, 1005, 1019, 1019b, 1070, 1079, 1160, 1265, 1268, 3955.

Special morphology

THE ORBIT

1195. Bolk, L. De topographische verhoudingen der orbitae in jonge en volwassen schedels van den mensch en de menschen. *Versl. gewone Vergad. Akad. Amst.*, 1918, 26, (2), 1364-1373. — On the topographical relations of the orbits in infantile and adult skulls in man and apes. *Proc. Acad. Sci. Amst.*, 1919, 21, (1), 277-285.

[++ 13f: Gr Pn Png]

1196. Bolk, L. Die Topographie der Orbita beim Menschen und Anthropoiden und ihre Bedeutung für die Frage nach der Beziehung zwischen Menschen und Affenschädel. *Verh. Akad. Wet., Amst., Sect. 2*, 1919, 20, no. 5, 54 pp.

[++ 29f: Gr Pn Png Symph]

1196a. Bondy, Emilie. Der Aufbau der lateralen Orbitalwand. *Mitt. anthrop. Ges. Wien*, 1938, 68, 292-298. [2f-1-16r: Gr Pn Png]

1197. de Filippi, F. Ueber das Foramen orbito-temporale der amerikanischen Affen. *Untersuch. Naturl. Mensch. Tiere*, 1865, 9, 360-362.

1198. [Giuffrida-Ruggeri, V.] La misurazione dell'orbita nelle scimmie e nell'uomo. *Atti Soc. romana Antrop.*, 1907, 13, 121-122. [Al]

1199. Hecker, P. & Grünwald, E. Le trou grand rond. Étude d'anatomie comparée. Disposition chez les mammifères supérieurs (prosimiens, simiens et espèce humaine). *C. R. Soc. Biol., Paris*, 1926, 94, 1358-1361.

[++ Pn Png C-p Mc Pp Ceb Atl Lm]

1199a.* Imai, M. [Anatomische und vergleichend-anatomische Untersuchungen der Orbita von *Macacus cyclopsis* und ihres Inhalts. I. Über die Orbita.] *J. med. Ass. Formosa*, 1933, 32, 1643-1666; 1934, 33, 1-24., 1 pl. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1935, 5, (109).

[Jap.: Pn Png Mc Pp]

1200. Koczián, L. A főemlősök szemüregének szerkezetéről. (Über den Bau der Augenhöhle der Primaten.) *Allatt. Közlem.*, 1908, 7, 186-214, 236, pls. 1-2.

[4f-3t-nr: Gr Pn Png Hyl Prsb Clb C-p Mc Pp Aot Pith Saim Ceb Lag Brchyt Atl Al Hap Lm Avh Lor Glg Tars]

1201. Major, C. I. F. On some characters of the skull in the lemurs and monkeys. *Proc. zool. Soc. Lond.*, 1901, (1), 129-153, pls. 11-13.

[21f: Symph Prsb Rhn-p Nas Clb C-p Ery-c C-c Mc Cyn-p Pp Aot Cal-c Pith Cacaj Saim Ceb Lag Brchyt Atl Al Hap Myst Lm Hp-l Lp-l Mer-c Chrg Pr-p Avh Lor Nyct-c Prdt Glg Tars †††]

1202. Regnault, F. Suture lacrimo-ethmoidale. *Bull. Soc. Anthropol. Paris*, 1894, (4), 5, 413-419.

[++ 1t: Gr Pn Png Hyl]

1203. Rode, P. Sur quelques caractères différentiels de la tête osseuse des cercopithèques et des cercocèbes. *Mammalia*,* 1936, 1, 59-64, pl. 2.

[2f-2t: C-p C-c]

1204. Thomson, A. The orbito-maxillary frontal suture in man and the apes, with notes on the varieties of the human lachrymal bone. *J. Anat., Lond.*, 1890, 24, 349-357.

[++ 2f-1t: Gr Pn]

1205. von Török, A. Die Orbita bei den Primaten und die Methode ihrer Messung. *KorrespBl. dtsh. Ges. Anthropol.*, 1881, 12, 146-149.

[Abstr]

1206. van Trotsenburg, J. A. Die topografische Beziehung der Thränendrüse zur lateralen Orbitalwand, als Differenzmerkmal zwischen Ost- und Westaffen. *Ned. Bijdr. Anat.*, 1901, 1, 208-227.

[9f-nr: Gr Pn Png Hyl Prsb Clb C-p Mc Pp Saim Ceb Atl Al Hap Tars]

1207. Weinert, H. Die kleinste Interorbitalbreite als stammesgeschichtliches Merkmal. *Z. Morph. Anthropol.*, 1927, 26, 450-488, pls. 20-24.

[++ vnt: Gr Pn Png Hyl Symph Prsb Nas Clb]

1208. Zeiller, Joseph. Beiträge zur Anthropologie der Augenhöhle. *Anthropologische Untersuchungen über die Augenhöhle bei Mensch und Affen*. Inaug.-Diss. (Phil.) München, 1899, 96 pp., 1 tbl.

[++ 19f-21t: Gr Pn Png Hyl Prsb Clb C-c Mc Pp Cal-c Pith Saim Ceb Lag Atl Al Hap]

See also: 1018, 1043, 1060b, 1060c, 1087, 1100, 1188, 1233, 1258, 1306, 2352.

Special morphology

NASAL FOSSA & NASAL BONE

1209. Burmeister, H. Ueber einige osteologische Anomalien des Orang-Utang. *Ztg. Zool.*,* 1848, 1, 3-5.

[Png]

1210. Chatin, J. Études ostéologiques sur les fosses nasales des quadrumanes. *C. R. Ass. franç. Av. Sci.*, 1875 [1876], 4, 793-799. Abstr.: *Arch. Naturgesch.*, 1878, 44, (2), 83.

[C-p Mc Pp Saim Ceb Hap]

1211. Chudzinski, T. Les anomalies des os propres du nez chez les anthropoïdes, et principalement chez les orangs. *Bull. Soc. Anthropol. Paris*, 1893, (4), 4, 788-791.

[3f: Gr Pn Png]

1212. Duckworth, W. L. H. On an unusual form of nasal bone in a human skull. *J. Anat., Lond.*, 1902, 36, 257-259.

[+ 2f: Gr]

1213. Forster, A. La pyramide nasale chez certains gibbons. *Bull. Soc. anat. Paris*, 1923, 95, 817-821.

[2f: Hyl Symph]

1214. Forster, A. Formation de la pyramide nasale chez les gibbons. *Arch. Anat., Strasbourg*, 1924, 3, 107-113.

[6f: Hyl Symph]

1215. Frets, G. P. Beiträge zur vergleichenden Anatomie und Embryologie der Nase der Primaten. II. Die Regio ethmoidalis des Primor-

dialcraniums mit Deckknochen von einigen platyrrhinen Affen. *Gegenbaurs Jb.*, 1913, 45, 557–726, pls. 18–20. [113f: *Saim Ceb Atl Al*]

1216. Frets, G. P. Beiträge zur vergleichen Anatomie und Embryologie der Nase der Primaten. III. Die Regio ethmoidalis des Primordialcraniums mit Deckknochen von einigen Catarhinen, Prosimiae und dem Menschen. *Gegenbaurs Jb.*, 1914, 48, 239–279, pl. 7. [55f: *Prsb Mc Lm Pr-p Tars*]

1217. Golling, J. Anthropologische Untersuchungen über das Nasenskelett des Menschen. *Z. Morph. Anthrop.*, 1914, 17, 1–82, pls. 1–8. [+ 11f-unt-30r: *Gr Pn Png Hyl*]

1218. Hamy, E.-T. De l'épine nasale antérieure dans l'ordre des primates. *Bull. Soc. Anthrop. Paris*, 1869, (2), 4, 13–28.

1219. Kollmann, M. Les fosses nasales des lémuriers. *C. R. Ass. franç. Av. Sci.*, 1914 [1915], 43, 491–495. [*Lm Avh Pr-p Indr Lor Nyct-c Prdct Glg Daub*]

1220. Kollmann, M. Les fosses nasales des tarsiers. *C. R. Ass. franç. Av. Sci.*, 1920 [1921], 44, 332–335. [*Lm Tars*]

1221. Kollmann, M. & Papin, L. Études sur les lémuriers. Anatomie comparée des fosses nasales et de leurs annexes. *Arch. Morph. gén. exp.*, 1925, 22, 1–61, 2 pls. [11f-r: *Lm Lp-l Pr-p Indr Lor Nyct-c Prdct Glg Daub Tars*]

1222. Leuckart, R. Ueber einige abnorme Bildungen des Nasenbeins beim Menschen und Orang-Utang. *Zig. Zool.*, * 1848, 1, 59–61. [++ *Png*]

1223. Maggi, L. Sopra una varietà morfologica delle ossa nasali e intermascellari nell'orango. *R. C. Ist. lombardo*, 1891, (2), 24, 401–415, pl. 3. [r: *Png*]

1224. Maggi, L. Intorno alla forma primitiva delle ossa nasali nell'orango (*Satyros*). *R. C. Ist. lombardo*, 1891, (2), 24, 808–820, pl. 16. [*Png*]

1225. Manouvrier, L. Mémoire sur les variations normales et les anomalies des os nasaux dans l'espèce humaine. *Bull. Soc. Anthrop. Paris*, 1893, (4), 4, 712–747. [+ 4f-t: *Gr Pn Png*]

1225a. Massari, C. Osservazioni sull'apertura piriforme. *Arch. Antrop. Etnol.*, 1930–31, 60–61, 303–337. [+ 10f-nr: *Gr Pn Png Hyl Pp*]

1226. Mendes Corrêa, A. A. Sôbre a abertura nasal no cranio dos mamíferos. *Ann. sci. Acad. polyt. Porto*, 1916, 11, 155–184, 224–253, 4 pls. [+ 7f-6i-nr: *Gr Prsb Nas Clb C-p C-c Mc Pp Ceb Atl Al Hap Lm Pr-p Indr*]

1227. Ryley, Kathleen V., Bell, Julia & Pearson, Karl. A study of the nasal bridge in the

anthropoid apes and its relationship to the nasal bridge in man. *Biometrika*, 1913, 9, 391–445. [++ nf-nt: *Gr Pn Png Hyl Symp*]

1228. Weber, A. Variations des os propres du nez chez le singe d'Algérie (*Macacus inuus* L.). *Bull. Soc. Hist. nat. Afr. N.*, 1912, 3, 190–192. [1f: *Mc*]

See also: 327, 480, 481, 1005, 1060c, 1066, 1084, 1087, 1100, 1138a, 1150, 1195, 1229, 1231, 1233, 1235, 1239, 1242.

Special morphology

PARANASAL SINUSES

1229. Aichel, O. Die Bulla nasolacrimalis des Gorilla. *Z. Morph. Anthrop.*, 1934, 34, 21–40, pls. 1–5. [4f: *Gr Pn Png*]

1230. Aubert, E. Recherches anatomique sur les sinus osseux des simiens. *C. R. Ass. Anat.*, 1929, 24, 573–575. [Abstr.: *Gr Png C-p Pp Atl Al Oed-m Hap*]

1231. Bolk, L. Die "Bulla maxillaris" des Gorilla. *Anat. Anz.*, 1917, 50, 277–282. Abstr.: *Werk. Genoot. Nat.-Genees-en Heelk., Amst.*, 1918, (2), 9, 132–133. [4f: *Gr*]

1231a. Dehn, O. Zur Frage über die Stirnhöhlen bei Menschen und Anthropomorphen. *Fortschr. Röntgenstr.*, 1936, 54, 92–93. [2f: *Gr Png*]

1232. Edmond, A. Étude des sinus chez les singes. *Ann. Mus. Hist. nat. Marseille*, 1929, 22, 1–30, 3 pls. [12f-nr: *Gr Pn Png Hyl Symp Prsb Nas C-p Mc Pp Mndr Atl Al Hap Oed-m*]

1233. Eller, H. Der Sinus maxillaris und seine Nachbarorgane bei verschiedenen Affen und beim Hunde. *Z. Anat. EntwGesch.*, 1932, 97, 725–756. [++ 27f-nt-nr: *Png Mc Pp*]

1234. Jones, F. Wood. The so-called maxillary antrum of the gorilla. *J. Anat., Lond.*, 1938, 73, 116–119. [3f: *Gr*]

1235. Keith, A. Inflation of the nasal canal in the skulls of adult gorillas and chimpanzees, and the relative development of the sinus maxillaris and inferior meatus in man and apes. *J. Anat., Lond.*, 1902, 36, xlvii-li. [3f: *Gr Pn Pp*]

1236. Kleinschmidt, O. Ueber Stirnbeinhöhlen und Siebbeinzellen beim Orang. *Z. Säugetierk.*, 1933, 8, 70–72, pl. 13. [*Pnc*]

1237. Kleinschmidt, O. Beiträge zur Naturgeschichte des Orangutans. *Berajah*, 1934, 1–16, 4 pls. [*Png*]

1238. Paulli, S. Über die Pneumaticität des Schädels bei den Säugethieren. III. Über die Morphologie des Siebbeins und die der Pneumaticität bei den Insectivoren, Hyracoideen, Chiropteren, Carnivoren, Pinnipeden, Edentaten, Rodentiern, Prosimiern und Primaten, nebst einer

zusammenfassenden Übersicht über die Morphologie des Siebbeins und die der Pneumaticität des Schädels bei den Säugethieren. *Morph. Jb.*, 1900, 28, 483-564, pls. 27-29.

[+ 36f-17r: Png Hyl Prsb Mc Pp
Mndr Ceb Hap Lm Lor Glg]

1239. Seydel, O. Über die Nasenhöhle der höheren Säugethiere und des Menschen. *Morph. Jb.*, 1891, 17, 44-99, pls. 4-6. [+++ 3f:
Gr Png Hyl Nas Mc Pp Mndr Aot
Ceb Hap Lm Lor Nyct-c Glg]

1240. Sitsen, A. E. Beitrag zur Kenntnis des Sinus frontalis. *Anthrop. Anz.*, 1931, 7, 208-235, pl. 3. [+ 11f-11r: Gr Pn Png]

1241. Underwood, A. S. An inquiry into the anatomy and pathology of the maxillary sinus. *J. Anat., Lond.*, 1910, 44, 354-369. [+ 14f: Gr Pn Png]

1242. Wegner, R. N. Sonderbildungen der Kieferhöhle bei Anthropoiden. *Anat. Anz.*, 1936, 83, 161-193. [10f-23r: Gr Pn]

1243. Weinert, H. Die Ausbildung der Stirnhöhlen als stammesgeschichtliches Merkmal. Eine vergleichend-anatomische Studie mit einem Atlas der Stirnhöhlen und einem neuen Messzirkel zur Ermittlung der inneren Schädelmasse. *Z. Morph. Anthropol.*, 1925, 25, 243-357; 1926, 25, 365-418, 26 pls. [++ 78f-143r: Gr Pn
Png Hyl Symph Prsb Nas Clb C-p
Ery-c C-c Mc Thr-p Pp Mndr Aot Cal-c
Chirop Saim Ceb Lag Brchyt Atl Al
Hap Myst Lm Lp-l Hp-l Mcr-c Chrg
Pr-p Avh Indr Lor Nyct-c Prdet Arct-c
Glg Daub]

1244. Weinert, H. Nochmals die "Stirnhöhlen" beim Orang-Utan. *Z. Säugetierk.*, 1933, 8, 284-286. [1f: Png]

See also: 164, 222, 1009, 1018, 1085, 1219, 1221.

Special morphology

CRANIOPHARYNGEAL CANAL

1245. Cave, A. J. E. The craniopharyngeal canal in man and anthropoids. *J. Anat., Lond.*, 1931, 65, 363-367. [+ 4f-2t-10r: Gr
Pn Png Hyl C-p Mc Pp]

1246. Maggi, L. Il canale cranio-faringeo negli antropoidi. *R. C. Ist. lombardo*, 1891, (2), 24, 138-149, pl. 1. *Arch. Antrop. Etnol.*, 1891, 21, 53-64, 1 pl. [Gr Pn Png Hyl]

1247. Schlaginhaufen, O. Ein Canalis craniopharyngeus persistens an einem Menschenschädel und sein Vorkommen bei den Anthropoiden. *Anat. Anz.*, 1907, 30, 1-8. [++ 5f-16r: Gr Pn Png]

1248. Schultz, A. Der canalis cranio-pharyngeus persistens beim Mensch und bei den Affen. *Gegenbaurs Jb.*, 1917, 50, 417-426. [+ 3f-3t: Prsb C-p Ceb Hap]

Cranial Bones

See also: 1071, 1084, 1085, 1087.

OCCIPITAL BONE

1249.* Albrecht, Carl Martin Paul. *Sur la fosse vermienne du crâne des mammifères.* Leipzig: Steinacker, 1884, 24 pp.

1250. Anderson, R. J. The occipital bone in primates. *Int. Mschr. Anat. Physiol.*, 1910, 27, 73-82. [14f: Gr Pn Png Hyl Prsb
C-p C-c Mc Pp Pith Ceb Atl Al Hap
Lm Lp-l Indr Lor Glg Tars]

1251. Bolk, L. Over de ligging en verschuiving van het foramen magnum bij de primaten. *Versl. gewone Vergad. Akad. Amst.*, 1909, 18, (1), 62-78. — On the position and displacement of the foramen magnum in the primates. *Proc. Acad. Sci. Amst.*, 1909, 12, (1), 362-377. [5f-5t:
Gr Pn Png Hyl Symph Prsb Clb C-p
Mc Pp Pith Saim Ceb Atl Al Hap]

1252. Bolk, L. Over de helling van het foramen magnum bij de primaten. (2^o mededeeling over de vergelijkende craniologie der primaten.) *Versl. gewone Vergad. Akad. Amst.*, 1909, 18, (2), 551-560. — On the slope of the foramen magnum in primates. (2nd paper on the comparative craniology of primates.) *Proc. Acad. Sci. Amst.*, 1909, 12, (2), 525-534. [4f-4t:
Gr Pn Png Hyl Symph Prsb Clb C-p
Mc Pp Pith Saim Ceb Atl Al Hap
Lm Pr-p]

1253. Bolk, L. Über Lagerung, Verschiebung und Neigung des Foramen magnum am Schädel der Primaten. (Zehnter Beitrag zur Affen-anatomie.) *Z. Morph. Anthropol.*, 1915, 17, 611-692, pl. 23. [31f-15t: see 1251]

1254. Daubenton, [E. L.] Mémoire sur les différences de la situation du grand trou occipital dans l'homme et dans les animaux. *Hist. Acad. R. Sci. Paris*,* 1764, Mémoires, 568-575, pl. 16. Abstr.: *Histoire* 59-62.

1255.* Haberer, Albert. *Über die 'Norma occipitalis' bei Mensch und Affe.* Inaug.-Diss. München, Kastner & Lossen, 1899, 85 pp.

1256. Joseph, Gustav. *Morphologische Studien am Kopfskelet des Menschen und der Wirbelthiere.* Breslau: W. G. Korn, 1873, 75 pp. [+ Pn Png Hyl Prsb C-p Mc Pp
Ceb Lag Atl]

1257.* Morselli, E. Sulla fosse vermiana nei primati. *Atti. Soc. ligust. Sci. nat. geogr.*, 1890, 1, 200-204. Abstr.: *Monit. zool. ital.*, 1890, 1, 142-143.

See also: 823, 875, 997, 1075, 1082, 1089, 1126, 1145, 1162, 1163, 1165, 1271.

SPHENOID BONE

1258. Hartmann, E. Direction du canal optique chez l'homme et les singes. *Bull. Soc. Anthropol. Paris*, 1923, (7), 4, 33-53.

[++ 12t: Gr Pn Png Hyl Prsb C-p Mc Pp Mndr]

1259. Jazuta, K. Das Foramen spinosum als ein phylogenetisches Merkmal. *Anat. Anz.*, 1930, 70, 212-213.

[++ 1t: Gr Pn Png Hyl]

1260.* Spottel, Otto. Über Formverschiedenheiten der Flügelfortsätze des Keilbeins bei Menschen und Affen. Inaug.-Diss. (Phil.) München, E. Mühlthaler's K. Hof-Buchdr., 1896, 64 pp.

1261. Weber, A. L'orientation des ailes des apophyses ptérygoides chez les primates. *C. R. Soc. Biol., Paris*, 1905, 59, 225-227.

[Gr Pn Png Prsb C-p Mc Pp Ceb Al]

1262. Weber, A. Le trou ovale du sphénoïde chez les singes et chez l'homme. *C. R. Soc. Biol., Paris*, 1907, 63, 236-238. [see 1261]

See also: 1089, 1150, 1163, 1181, 1187, 1188.

TEMPORAL BONE

1263. Adachi, B. Processus parietalis squamae temporalis. *Z. Morph. Anthropol.*, 1907, 10, 485-488, pls. 30-32. [+ Png C-p Mc]

1264. Anderson, R. J. The notes on the temporal bone in Mammalia, (chiefly in primates). *8th Int. Congr. Zool., Graz*, 1910 [1912], 907-914.

[+++ Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Al Hap Lm Lor Glg]

1265. Berg, W. Zur Corrosionsanatomie des Schläfenbeins der Affen. *Z. Morph. Anthropol.*, 1903, 5, 315-345, pls. 6-8. [18t-5r: Gr Pn Png C-p Mc Pp Saim Al Hap Lm]

1266. Bovero, A. & Calamida, U. Canali venosi emissari temporali squamosi e petrosquamosi. *Mem. R. Acad. Torino*, 1903, (2), 53, 159-260, 2 pls. [+++ 75r: Pn Png Hyl Prsb C-p C-c Mc Cyn-p Thr-p Pp Cal-c Saim Ceb Brchyt Atl Al Hap Lm Lor Nyct-c]

1267. Chaine, J. Sur la fausse apparence de déplacement de l'apophyse paramastoïde de certains mammifères. *C. R. Soc. Biol., Paris*, 1920, 83, 43-45.

1268. Cohn, L. Der Processus frontalis des Schläfenbeins. *Z. Morph. Anthropol.*, 1915, 19, 391-418. [++ 7f: Pn Hyl Mc Mndr]

1269. Forster, A. L'inclinaison du tympan chez les mammifères supérieurs et chez l'homme. *Arch. Anat., Strasbourg*, 1925, 4, 295-321.

[++ 10f-6t: Gr Pn Png Symph C-p Mc Atl Lm Tars]

1270. Forster, A. Étude de la morphogénèse de l'apophyse mastoïde. *Arch. Anat., Stras-*

bourg, 1931, 13, 361-429. Abstr.: *C. R. Soc. Biol., Paris*, 1920, 83, 434-436. [++ 20f-1t:

Gr Pn Png Hyl Prsb C-p Mc Ceb Atl Hap Lm Glg]

1271. Groth, W. Vergleichend-anatomische Untersuchung zur Frage der Entstehung des Warzenfortsatzes beim Menschen und den Menschenaffen. *Gegenbaurs Jb.*, 1937, 79, 547-599.

[++ 8f-8t-34r: Gr Pn Png]

1272. Hofmann, L. L'os temporal des singes et ses cavités pneumatiques. *Arch. Anat., Strasbourg*, 1926, 6, 141-186. [21f: Gr Pn Png Hyl Prsb C-p Ery-c Mc Pp Mndr Ceb Al Myst]

1273. Hofmann, L. Zur Anatomie des Primatenschläfenbeines und seiner pneumatischen Räume unter Berücksichtigung des menschlichen Schläfenbeines. Ein Beitrag zur Lehre von der Pneumatisation des Schädels. *M Schr. Ohrenheilk.*, 1926, 60, 921-949. [24f-r: Gr Pn Png Hyl Prsb C-p C-c Mc Cyn-p Al Hap]

1274. van Kampen, P. N. Die Tympanalgegend des Säugetierschädels. *Morph. Jb.*, 1905, 34, 321-722. [+ 96f-276r: all general]

1275.* Kopetsch, J. Ueber das Foramen jugulare spurium und den Canalis (Meatus) temporalis am Schädel der Säugethiere. Inaug.-Diss. Königsberg.

1276. Le Double. Du redressement de la courbure à concavité inférieure et de l'état rectiligne de l'articulation squamopariétale. *C. R. Ass. Anat.*, 1902, 4, 213-215. [+++ 2f: Pn Png Gr Hyl C-p Mc Al]

1277. Loewenstein, Elias. Über das Foramen jugulare spurium und den Canalis temporalis am Schädel des Menschen und einiger Affen. Inaug.-Diss. (Med.) Königsberg, M. Liedtke, 1895, 38 pp., 1 pl. [+ r: Prsb C-p Mc Pp Ceb Atl Al Hap]

1278. Major, C. J. F. Exhibition of, and remarks upon, some skulls of foetal Malagasy lemurs. *Proc. zool. Soc. Lond.*, 1899, 987-988. [Abstr.: Lm Lp-l Avh Nyct-c Prdct Glg Daub Tars]

1279. Sera, G. L. Il significato dell'anello timpanico libero nella bolla acustica di alcuni Lemuri e di Tupaiidae. *Riv. ital. Palaeont.*, 1936, 42, 58-68. [4f]

1280. Voloshin, I. P. Foramina mastoidea u mlekopitaushchikh. [Mastoid foramina in mammals.] *Acta Univ. voroneg.*, 1927, 4, 224-236. [++ 10r-Fr. abstr.; Biol. Abstr., 1934, 8, no. 955]

1281. Weidenreich, F. Über pithekoïde Merkmale bei *Sinanthropus pekinensis* und seine stammesgeschichtliche Beurteilung. *Z. Anat. Entw.-Gesch.*, 1932, 99, 212-253. [+ 13f-nr: Gr Pn Png Clb]

See also: 779, 997, 1018, 1089, 1150, 1179, 1180, 1188, 1193, 2462, 2464, 2470.

PARIETAL BONE

1282. Aigner, P. Damascus. *Über die Ossa parietalia des Menschen. Ein Beitrag zur vergleichenden Anthropologie.* Inaug.-Diss. (Phil.) München, C. Wolf & Sohn, 1900, 251 pp., 4 pls.

[+ 15f-vnt: Png Hyl]

1283. Coraini, E. Osso parietale diviso in cranio umano e studio critico dell'anomalia. *Bull. Accad. med., Roma*, 1894, 20, 122-150, 1 pl.

[+ 42r: C-p Hap]

1284. Frassetto, F. Di un cranio di *Simia satyrus* Linn. con rara sutura sopranumeraria nel parietal destro. *Boll. Mus. Zool. Anat. comp. Torino*, 1899, 14, no. 344, 4 pp.

[3f: Png]

1285. Frassetto, F. Su la probabile presenza di quattro nuclei di ossificazione nel parietale dell'uomo e delle scimmie. *Anat. Anz.*, 1900, 18, ErgH., 64-78.

[+ 4f-3t-vnr—tabl. rés. lit.]

1286. Frassetto, F. Di 11 parietali di primati parzialmente divisi. *Boll. Mus. Zool. Anat. comp. Torino*, 1900, 15, no. 376, 8 pp.

[4f: Png C-p Ceb]

1287. Frassetto, F. Contributo alla teoria dei quattro centri di ossificazione nell'osso parietale dell'uomo e dei primati. *Boll. Mus. Zool. Anat. comp. Torino*, 1902, 17, no. 423, 3 pp.

[1f: C-p Ceb]

1288. Frassetto, F. Parietali triparti in crani umani e di scimmie. *Monit. zool. ital.*, 1904, 15, 386-394.

[13f: Prsb C-p Mc Ceb]

1288a. Galli, A. Due casi di sutura parietale verticale completa in crani di scimmie. *Boll. Zool.*, 1936, 7, 1-5.

[2f: C-p Mc]

1289. Hrdlička, A. A bilateral division of the parietal bone in a chimpanzee; with special reference to the oblique sutures in the parietal. *Bull. Amer. Mus. nat. Hist.*, 1900, 13, 281-295.

[++ 6f: Pn]

1290. Hrdlička, A. Divisions of the parietal bone in man and other mammals. *Bull. Amer. Mus. nat. Hist.*, 1903, 19, 231-386, pls. 7-22, 5 tpls.

[+++ 39f-nt-74r: Gr Pn Png Hyl Clb C-p C-c Mc Pp Mndr Aot Ceb Atl Al Hap]

1291. Humphry, [G. M.] Depressions in the parietal bones of an orang and in man—supernumerary molars in orang. *J. Anat., Lond.*, 1874, 8, 136-141, pl. 7.

[Png]

1292. Kantor, H. Geteilte Scheitelbeine bei *Macacus rhesus*. *Z. Morph. Anthrop.*, 1904, 7, 543-545.

[2f-31r: Mc]

1293. Patten, C. J. Cranium of a young orang, showing bilateral and symmetrical complete bipartite division of the parietals. *J. Anat., Lond.*, 1911, 46, 28-32.

[1f: Png]

1294. Patten, C. J. Cranium of an adolescent chimpanzee showing bilateral and symmetrical complete bipartite division of the parietals with multipartite division of the upper segments, with

remarks on the significance of parietal division. *Z. Morph. Anthrop.*, 1912, 14, 527-608, pls. 39-41.

[++ 16f-150r: Pn]

1295. Remane, A. Nahtanomalien an Anthropoidenschädeln. I. Zwei neue Fälle von geteilter Scheitelbein. *S. B. Ges. naturf. Fr. Berl.*, 1920, 41-48.

[2f: Gr Pn Png]

1296. Schneider, Alfons. *Ein Beitrag zur Anatomie der Scheitelbeine des Menschen und der Affen.* Inaug.-Diss. (Med.) Strassburg, C. & J. Goeller, 1902, 143 pp.

[++ vnt: Pn Png Hyl Clb C-p Mc Pp Ceb Atl Al Hap]

1297. Vram, U. G. Due grosse ossa sopranumerarie in un cranio d'orango. *Nota zootomica. Boll. Soc. adriat. Sci. nat.*, 1900, 20, 105-109.

[1f-6r: Png]

1298. von Waldeyer-Hartz, W. Die Intraparietalnähte. *Abh. preuss. Akad. Wiss., Physik.-math. Kl.*, 1917, no. 2, 69 pp., 4 pls.

[++ 13f-t-49r: Gr Pn Png Hyl Prsb Clb C-p C-c Mc Pp Ceb Atl Al Hap]

See also: 997, 1085, 1089, 1145, 1150, 1151, 1160, 1161, 1162, 1165, 1179, 1276, 1301, 1308.

FRONTAL, ETHMOID, LACRYMAL & VOMER

1299. Bianchi, S. Sur la division de l'"os planum," del'ethmoïde dans le crâne de l'homme et des anthropoïdes et sur la non-existence de l'os lacrymal postérieur chez quelques mammifères. *Arch. ital. Biol.*, 1895, 24, 310-311.

[Abstr.]

1300. Bolk, L. Over de beteekenis der voorhoofdslijsten bij de primaten. *Versl. gewone Vergad. Akad. Amst.*, 1922, 31, (1), 31-37.—On the significance of the supra-orbital ridges in the primates. *Proc. Acad. Sci. Amst.*, 1923, 25, (1), 16-21.

[5f: Gr Pn Png Hyl Symph]

1301. Duckworth, W. C. L. Notes on the osteology of *Gorilla savagei*. *Stud. Anthropol. Lab., Anat. Sch., Cambridge.*, * 1904, p. 31.

[1f: Gr Pn]

1302. Forster, A. Comparaison de la position de la lame criblée de l'ethmoïde chez les catarrhiniens et chez l'homme. *Bull. Soc. anat. Paris*, 1924, 94, 506-513.

[++ 4f-2r: Prsb C-p Mc Pp]

1303. Gegenbaur, C. Über die Pars facialis des Lacrymale des Menschen. *Morph. Jb.*, 1882, 7, 173-176.

[++ 2f: Pn Png Hyl Nas C-p Mc Pp Aot Atl Al]

1304. Kollmann, M. Sur la présence de l'os planum chez les lémuriniens. Note préliminaire. *Bull. Mus. Hist. nat., Paris*, 1919, 25, 321-323.

[Lm Lp-l Hp-l Mcr-c Pr-p Avh Indr Glg Daub Tars]

1305. Kollmann, M. L'os planum des lémuriniens. *Bull. Soc. linn. Normandie*, 1919, (7), 2, 216-219.

[Lm Mcr-c Chrg Lor Nyct-c Glg Tars]

1306. Kollmann, M. Études sur les lémurien. La fosse orbito-temporale et l'os planum. *Mém. Soc. linn. Normandie*, 1925, n.s. 1, no. 1, 20 pp. [13f-8r: Lm Lp-l Hp-l Mcr-c Avh Lor Nyct-c Glg Daub Tars]

1307. Maggi, L. Sullo sviluppo dell'os planum nello *Stenops gracilis* e wormiani orbitali. *R. C. Ist. lombardo*, 1900, (2), 33, 688-694. [2f: Lor]

1308. Sawaya, P. Anotações craneológicas. I. Participação do vomer á constituição do paladar duro [etc.]. III. Bipartição total do ossa parietal [etc.]. *Ann. Fac. Med. S. Paulo*, 1934, 10, 197-219, 4 pls. [+ 33r: Ceb]

1309. Sergi, G. La struttura soprorbitaria negli antropoidi e nell'uomo. *Arch. Anat. Anthrop.*, Lisboa, 1923, 8, 413-419. [++ 3f: Gr]

1310. Vram, U. G. Sullo sviluppo della parte fronto-etmoidale del cranio dei cercopiteci. *R. C. Accad. Napoli*, 1921, (3), 27, 129-134. [10r: Thr-p]

See also: 472, 1004, 1005, 1084, 1085, 1089, 1138a, 1150, 1162, 1164, 1173, 1201, 1213, 1214, 1217, 1238, 1314a.

Facial Bones

See also: 1085, 1087, 1353a, 1399, 1562.

MAXILLA & PALATINUM

1311. Anderson, R. J. The premaxilla in primates. *14th Int. Congr. Med.*, Madrid, 1903, Sect. Anat., 147-154. [+++ 29f: Gr Pn Png Hyl Prsb C-p Mc Pp Pith Ceb Al Hap Lm Mcr-c Chrg Pr-p Lor Nyct-c Glg]

1312. Anderson, R. J. Some notes on the hard palate and maxilla in primates. *Brit. med. J.*, 1908, (2), 596. [Pn Png Hyl C-p Mc Pp Al Hap Indr]

1313. Ashley-Montagu, M. F. The premaxilla in the primates. *Quart. Rev. Biol.*, 1935, 10, 32-59, 181-208. [++ 1pl-11f-1t-118r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Cal-c Pith Ceb Lag Brchyt Atl Al Hap Myst Lm]

1314. Barth, Mathilde. Über die funktionelle Struktur des Oberkieferapparates bei Neuweltaffen. *Arb. anat. Inst., Wiesbaden*, 1918, 56, 171-242, pls. 1-2. [19f-20r: Ceb Lag Al]

1314a. Bovero, A. Anotações sobre anatomia do paladar duro (IV). (Notes on the anatomy of the hard palate.) *Ann. Fac. Med. S. Paulo*, 1932, 7, 3-32, 2 pls. [+ 6f-Portug. with Ital. abstr.: Al]

1315. Ehrhardt, Sophie. Über das Verwachsen der Sutura incisiva bei Orang-Utan und *Hylobates*. *Anthrop. Anz.*, 1930, 7, 106-116, pl. 1. [5f-3t: Png Hyl]

1316. Fischer [von Waldheim], Gotthelf. Ueber die verschiedene Form des Intermaxillarknochens in verschiedenen Thieren. Leipzig: Schäferschen Buchhandlung, 1880, xxii, 151 pp., 3 pls.

[+++ Pn Png C-p Ery-c C-c Mc Pp Mndr Saim Ceb Atl Al Hap Leon-c Lm Indr Lor Glg Tars]

1316a. Grzybowski, J. O wcięciach i otworach nadoczodołowych i podoczodołowych w szeregu naczelných. (Étude sur les échancrures et les trous suborbitaires et sur les trous sousorbitaires chez les Primates.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1927, 20, 481-503. Fr. abstr., 501-502.

[7f-7t: Gr Pn Png Hyl Prsb C-p C-c Mc Pp Aot Saim Ceb Brchyt Atl Lm Chrg Pr-p Nyct-c]

1317. Maggi, L. I mesognati asinchiti nei giovani antropoidi. *R. C. Ist. lombardo*, 1891, (2), 24, 993-999. [1f-r: Pn]

1318. Maggi, L. La sutura endomesognatica alla superficie facciale degli intermascellari nel *Semnopithecus entellus*. *R. C. Ist. lombardo*, 1892, (2), 25, 89-90, pl. 1. [Prsb]

1319. Maggi, L. Di un carattere osseo-facciale dei giovani gorilla. *R. C. Ist. lombardo*, 1901, (2), 34, 547-556. Abstr.: *Monit. zool. ital.*, 1901, 12, 204-205. [1f: Gr Pn Png]

1320. Ranke, J. Ueber den Zwischenkiefer. *KorrespBl. dtsh. Ges. Anthrop.*, 1901, 32, 96-102. [+ 11f: Gr Pn Hyl]

1321. Remane, A. Der Verschluss der Intermaxillarnah bei den Anthropoiden. *Anthrop. Anz.*, 1927, 4, 46-55. [++ 4t: Gr Pn Png Hyl Symph]

1322. Waldeyer, W. Über die Anatomie des harten Gaumens bei den Anthropoiden. *Monit. zool. ital.*, 1894, 5, 73-74. [Abstr.]

1323. Wegner, R. N. Zur Kenntnis des Gaumenbeins der Anthropoiden. *Z. Morph. Anthrop.*, 1915, 19, 1-26. [27f-nr: Gr Pn Png Hyl Symph]

See also: 451, 1061a, 1066, 1084, 1138a, 1196a, 1233, 1308, 1400, 1470.

ZYGOMA

1324. Baraldi, G. Dell'osso malare o zigomatico. *Mem. Soc. tosc. Sci. nat.*, 1876, 2, 13-35, pl. 1. Abstr.: *Arch. Naturgesch.*, 1877, 43, (2), 58. [+ C-p Al Saim]

1325. Breschet, G. Recherches sur différentes pièces osseuses du squelette de l'homme ou des animaux vertébrés. Deuxième mémoire. De l'os malaire ou jugal. *Ann. Sci. Nat.*, 1844, (3), 1, 25-36, pls. 7-8. [+ C-p Al]

1326. Hrdlička, A. New instances of complete division of the malar bone, with notes on incomplete division. *Amer. Nat.*, 1902, 36, 273-294.

[++ 15f-2t: Png C-p Pp Lag Al]

1327. Nannetti, A. Note sulla divisione anomala del malare. *Arch. Antrop. Etnol.*, 1909, 39, 18-45.

[+ 16f-nr: Png Al]

1328. Reali, G. Le partizioni e il numero dei centri di origine del malare nei primati. *G. Morf.*, 1919, 3, 37-49, pl. 1.

1329. Sera, G. L. L'omologia dei centri di origine del malare dei primati, colle ossa postorbitali degli stegocephali. *Riv. ital. Paleont.*, 1920, 26, 10-17.

1330. Zimmerman, A. & Hasskó, A. Das Jochbein und das "Os malare bipartitum" des Orang-Utan. *Anat. Anz.*, 1930, 69, 1-11.

[4f-1t: Png]

See also: 1061a, 1150, 1180, 1209, 1331.

MANDIBLE & OS HYOID

1331. Anderson, R. J. Some notes on the mandible and jugal in primates. *15th Int. Congr. Med.*, Lisbonne, 1906, Sect. 1. *Anat.*, 291-308.

[30f: Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Hap Lm Lp-l Lor Glg]

1332. Bolk, L. Über die Regio mentalis des Unterkiefers von Siamang. *Z. Morph. Anthrop.*, 1915, 19, 255-264.

[12f: Symph]

1333. Bolk, L. Die Entstehung des Menschenkinnes. Ein Beitrag zur Entwicklungsgeschichte des Unterkiefers. *Verh. Akad. Wet., Amst., Sect. 2*, 1924, 23, no. 5, 106 pp., 2 pls.

[+ 54f: Anthropoids Pp]

1334. Duhoussset, [E.] Étude comparative du maxillaire inférieur de l'homme et de celui du singe. *Bull. Soc. Anthrop. Paris*, 1866, (2), 1, 693-699.

[++ Pn Png Mndr Atl]

1334a. Friederichs, H. F. Schädel und Unterkiefer von Piltown ("Eoanthropus dawsoni Woodward") in neuer Untersuchung. *Z. Anat. EntwGesch.*, 1932, 98, 199-262.

[++ 40f-10t-r: Pn Png †††]

1335. Gorjanovic-Kramberger, [K.] Der Unterkiefer der Hylobaten im Vergleich zu dem des rezenten und fossilen Menschen. *5th Int. dent. Congr.*, Berlin, 1909 [1912], 1, 140-159.

[+++ 16f: Hy]

1336. Holl, M. Vergleichende Anatomie der hinteren Fläche des Mittelstückes der Unterkiefer. *Anz. Akad. Wiss. Wien*, 1919, 56, 67-69.

[+++ Gr Png Mc Pp]

1337. Jentsch, E. Die Apophysis lemurica. *Z. Morph. Anthrop.*, 1914-15, 17, 135-172, pls. 10-11.

[+ 1t: Gr Pn Png Hyl Pp Lm Indr]

1337a. Kelemen, G. Vergleichend-anatomische Röntgenbeobachtungen am Zungenbeinapparate. *Arch. Ohr., Nas., u. KehlkHeilk.*, 1929, 122, 161-169.

[++ 9f: Png]

1338. Mijsberg-van Roojen, J. H. N. & Mijsberg, W. A. Die Entstehung des Menschenkinnes nach Untersuchungen am Siamang. *Z. Anat. EntwGesch.*, 1931, 95, 708-733.

[++ 6f-3t-17r: Hyl Symph]

1338a. Miller, G. S., Jr. The jaw of the Piltown man. *Smithson. misc. Coll.*, 1915, 65, no. 12, 31 pp., 5 pls.

[++ 1t-nr: Pn †††]

1339. Owen, [R.] Osteological contributions to the natural history of the chimpanzees (*Troglodytes*) and oranges (*Pithecus*).—No. V. Comparison of the lower jaw and vertebral column of the *Troglodytes gorilla*, *Troglodytes niger*, *Pithecus satyrus*, and different varieties of the human race. *Trans. zool. Soc. Lond.* 1851 [1862], 4, 89-115, pls. 31-36.

[Gr Pn Png]

1340. Puccioni, N. Ricerche sulla forma del mento e dell'incisura sigmoidea negli uomini e nelle scimmie. *Arch. Antrop. Etnol.*, 1913, 43, 98-134.

[++ 6f-nt: Gr Pn Hyl Prsb Clb C-p C-c Mc Cyn-p Pp Saim Ceb Al Hap Myst]

1341. Robinson, L. The story of the chin. *Rep. Smithson. Instn.*, 1914 [1915], 599-609, 12 pls.

[+ Pn Png Hyl Nas Mc Pp Al Lm]

1342. Simonton, F. V. Mental foramen in the anthropoids and in man. *Amer. J. phys. Anthrop.*, 1923, 6, 413-421, 2 pls.

[+ 3t: Gr Pn Png]

1343. Toldt, C. Der Winkelfortsatz des Unterkiefers beim Menschen und bei den Säugetieren und die Beziehungen der Kaumuskeln zu demselben. *S. B. Akad. Wiss. Wien, Abt. 3*, 1905, 114, 315-476, 3 pls.

[++ 18f-nr: Gr Pn Png Hyl Prsb C-p Mc Pp Mndr Saim Ceb Atl Hap Lm Daub]

1344. Topinard, R. Les caractères simiens de la mâchoire de la Naulette. *Rev. Anthrop., Paris*,* 1886, (3), 1, 385-431.

[++ 13f-nr: Gr Png]

1345. Walkhoff, [O.] Der Unterkiefer der Anthropomorphen und des Menschen. (Vorläufige Mitteilung.) *Biol. Zbl.*, 1901, 21, 582-585.

1346. Walkhoff, O. Der Unterkiefer der Anthropomorphen und des Menschen in seiner functionellen Entwicklung und Gestalt. *Stud. EntwGesch. Tiere*, 1902, 3, 207-327.

[++ 59f-review: Biol. Zbl., 1902, 22, 298-310: Gr Pn Png Symph]

1347. Wegener, K. Über Zweck und Ursache der menschlichen Kinnbildung. *Z. Morph. Anthrop.*, 1926, 26, 165-180, pl. 4.

[+ 2f: Gr Hyl Symph Mc]

1348. Woollard, H. H. & Harpman, A. Note on the internal architecture of the mandible. *J. Anat., Lond.*, 1938, 72, 575-578, 1 pl.

[Gr Pn Png Mc Tars]

See also: 327, 451, 488, 1058, 1061a, 1066, 1075, 1097a, 1138, 1314, 1353a, 1393, 1423, 1434, 1441, 1566, 3952, 3994.

TEMPOROMANDIBULAR JOINT

1348a. Endziulaityte, Marija. Ueber das Tuberculum articulare anterius und die Fossa digastrica. Inaug.-Diss. (Phil.) München, [1925], 55 pp., 7 pls. [++ 10f-4t-16r: Gr Png]

1349. von Haussen, H. O. Über die relative Lage des Kiefergelenkes am Schädel der Primaten. *Z. Morph. Anthrop.*, 1931, 29, 465-497. [9f-13t-13r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p C-c Mc Thr-p Pp Aot Cal-c Pith Chirop Saim Ceb Lag Atl Al Hap Myst]

1350. Lubosch, W. Über Variationen am Tuberculum articulare des Kiefergelenks des Menschen und ihre morphologische Bedeutung. *Gegenbaurs Jb.*, 1906, 35, 322-353.

[+ 16f 35r: Gr Pn Png Hyl]

1351. Petrovits, L. Die Übereinstimmung des Kiefergelenkes des neugeborenen Kindes mit dem Kiefergelenk der Anthropoiden. *Anat. Anz.*, 1930, 69, 136-144. [+ 32r]

1352. Retterer, É. & Neuville, H. De l'articulation temporo-maxillaire du macaque commun. *C. R. Soc. Biol., Paris*, 1920, 83, 515-517. [Mc]

1353. Richter, W. Der Kaumechanismus beim Menschen und beim Affen, ein Vergleich. *Dtsch. Mschr. Zahnheilk.*, 1919, 37, 334-342.

[5f: 'Affe']

1353a. Todd, T. W. Facial growth and mandibular adjustment. *Int. J. Orthod.*, 1930, 16, 1243-1267.

[++ 19f-r: Gr Pn Png Mc Pp]

See also: 802, 1281, 1393, 1565, 1586.

The Teeth

GENERAL MORPHOLOGY

Comprehensive & General Studies

1354. Adloff, Paul. *Das Gebiss des Menschen und der Anthropomorphen. Vergleichend-anatomische Untersuchungen. Zugleich ein Beitrag zur menschlichen Stammesgeschichte.* Berlin: Julius Springer, 1908, 164 pp., 27 pls.

[++ 9f-vnr: Gr Pn Png Hyl †††]

1355. Adloff, P. Die Differenzierung des Primatengebisses. *Z. Morph. Anthropol.*, 1908, 11, 377-384.

1356. Adloff, P. Zur Frage der Differenzierung des Primatengebisses. *Dtschr. Mschr. Zahnheilk.*, 1909, 27, 444-449.

[++ 3r]

1357. Adloff, P. Über die Phylogenese des Primatengebisses und das Zukunftsgebiss des Menschen. *Z. Morph. Anthropol.*, 1911, 13, 505-532, pls. 17-18.

[1f-13r: Gr Saim Ceb Atl Al Hap]

1358. Adloff, P. Noch einmal die Bolk'sche Hypothese und die Differenzierung des Primatengebisses. *Z. Morph. Anthropol.*, 1912, 15, 381-400, pls. 10-12.

[1f-14r: Pith Lag Atl]

1359*. Adloff, Paul. *Die Entwicklung des Zahnsystems der Säugetiere und der Menschen. Eine Kritik der Dimertheorie von Bolk.* Berlin: Hermann Meusser, 1916, 110 pp.

1360. Adloff, [P.] Das Gebiss des Menschen und der Anthropoiden und das Abstammungsproblem. *Z. Morph. Anthropol.*, 1927, 26, 431-449.

[++ 7f: Pn †††]

1361. Batujeff, N. A. Zur Morphologie der Zahnkronen des Menschen und der Thiere. *Arb. milit.-med. Akad. St.-Petersburg*, 1894, 1, 26-102. (Abstr.: *Arch. Anthropol., Braunschw.*, 1900, 26, 184-185.)

1362. Bennejeant, C. Les variations dentaires numériques et la reduction dentaire progressive chez les primates. *C. R. Ass. franç. Av. Sci.*, 1935, 59, 459-464.

[3f-1t: Clb Atl Hap Lm Mcr-c Glg Tars]

1363. Bluntschli, H. Das Platyrrhinengebiss und die Bolksche Hypothese von der Stammesgeschichte des Primatengebisses. *Anat. Anz.*, 1911, 38, ErgH., 120-136.

[8f]

1364. Bluntschli, H. Zur Phylogenie des Gebisses der Primaten mit Ausblicken auf jenes der Säugetiere überhaupt. *Vjschr. naturf. Ges. Zurich*, 1911, 56, 351-392.

[++ 24f-r: Pp Ceb Al Hap Tars]

1365. Bluntschli, H. Das Gebiss der Platyrrhinen und seine Bedeutung für die Stammes-

geschichte der Primaten. *Rev. suisse Zool.*, 1911, 19, *Bull.-annexe*, 18-20.

[Abstr]

1365a. Bluntschli, H. & Schreiber, H. Zur Morphologie der Anthropomorphen-Molaren. *Fortschr. Zahnheilk.*, 1930, 6, 14-27.

[6f: Gr Pn Png Hyl]

1366. Bolk, L. Die betrekking tusschen de tandformulen der platyrrhine en katarrhine Primaten. *Tijdschr. Tandheelk.*, 1906, 13, 65-82. Review: *Öst.-ung. Vjschr. Zahnheilk.*, 1907, 23, 324-327.

[nr: Pn Saim Ceb Al Hap]

1367. Bolk, L. Beiträge zur Affenanatomie. V. Die Differenzierung des Primatengebisses. *Ned. Bijdr. Anat.*, 1906, 4, 103-114.

1368. Bolk, L. De betrekking tusschen de tandformulen der platyrrhine en katarrhine primaten. *Versl. gewone Vergad. Akad. Amst.*, 1906, 14, (2), 751-763.—On the relation between the teeth-formulas of the platyrrhine and catarrhine primates. *Proc. Acad. Sci. Amst.*, 1906, 8, (2), 781-793.

1369. Bolk, L. Über die Phylogenese des Primatengebisses und das Zukunftsgebiss des Menschen. *Z. Morph. Anthropol.*, 1910, 13, 31-56, pl. 1.

[6f-1t: Gr Symph C-p Mc Pp Saim Pith Ceb Atl]

1370. Bolk, L. Nachtrag zu meiner Abhandlung: Über die Phylogenese des Primatengebisses und das Zukunftsgebiss des Menschen. *Z. Morph. Anthropol.*, 1910, 13, 343-346.

[2f: Mc]

1371. Bolk, Louis. *Odontologische Studien II. Die Morphogenie der Primatenzähne. Eine weitere Begründung und Ausarbeitung der Dimertheorie.* Jena: G. Fischer, 1914, viii, 181 pp., 3 pls.

[61f: Gr Pn Png Symph Prsb Clb Mc C-p Pp Aot Pith Saim Ceb Atl Al Hap Lm Chrg Pr-p Avh Indr Lor Nyct-c Glg Tars]

1372. Cuvier, Georges Frédéric. *Des dents des mammifères considérées comme caractères zoologiques.* Strasbourg: F. G. Levrault, 1825, lv, 258 pp., 103 pls.

[+ Png Hyl Symph Prsb C-p Mc Pp Cal-c Pith Ceb Atl Al Hap Lm Indr Lor Nyct-c Prdct Glg]

1373. Dönits, [W.] [Ueber die Eckzähne der Lemuriden.] *S. B. Ges. naturf. Fr. Berl.*, 1868, 32.

[Abstr.]

1374. Friant, M. L'évolution du type primitif des molaires chez les primates (tarsiidés de l'ancien monde). *C. R. Soc. sav. Paris & Dép.*, 1934, 165-182.

[13f: Tars †††]

1374a. Friant, M. Description et interprétation de la dentition d'un jeune *Indris*. *C. R. Ass. Anat.*, 1935, 30, 205-213.

[4f: Indr]

1375. Friant, M. De l'interprétation des pré-molaires chez les primates. *Bull. Mus. Hist. nat., Paris*, 1935, (2), 7, 341-343. [1f]
1376. Fuchs, H. L. Zur Stammesgeschichte des Primatengebisses. *Dtsch. Mschr. Zahnheilk.*, 1921, 39, 669-671. [++ 1f]
1377. Gaudry, A. Sur la similitude des dents de l'homme et de quelques animaux. *Anthropologie, Paris*, 1901, 12, 93-102, 513-525. [+ Png Hyl Prsb C-p Mc Pith Atl Al Hap Lm Pr-p Avh Nyct-c Glg Tars] [++ 32f: Gr Pn Png Hyl †††]
1378. Giebel, Christoph Gottfried. *Odontographie. Vergleichende Darstellung des Zahnsystems der lebenden und fossilen Wirbelthiere.* Leipzig: Ambrosius Abel, 1855, xx, 129 pp., 52 pls. [+ Png Hyl Prsb C-p Mc Pith Atl Al Hap Lm Pr-p Avh Nyct-c Glg Tars]
1379. Giebel, [C. G.] Über das Gebiss der Pithecia-Arten. *Z. Naturw.*, 1878, 51, 401-404, pl. 14. [Pith Chirop]
1380. Gregory, W. K. The origin and evolution of the human dentition. A palaeontological review. *J. dent. Res.*, 1920, 2, 89-183, 215-283, 357-426, 607-711; 1921, 3, 87-228. [+++ 15pl-353f-vnr]
1381. Gregory, William King. *The origin and evolution of the human dentition.* Baltimore: Williams & Wilkins co., 1922, xviii, 548 pp., 15 pls. [++ 353f-vnr]
1382. Hellman, M. Observations on the form of the dental arch of the orang. *Int. J. Orthod.*, 1918, 4, 45-57. [19f-5t-nr: Png]
1383. Hrdlička, A. Shovel-shaped teeth. *Amer. J. phys. Anthropol.*, 1920, 3, 429-465. [t: Png C-c Mc]
1384. Hrdlička, A. New data on the teeth of early man and certain fossil European apes. *Amer. J. phys. Anthropol.*, 1924, 7, 109-132, 1 pl. [++ 15t: Gr Pn Png Hyl Prsb Clb Ery-c C-c Mc Cyn-p Thr-p Pp Ceb Atl Al Lm Hp-l Pr-p Lor Nyct-c Prdet Glg Tars †††]
1385. Jones, F. Wood & Stein, M. R. The "myth" of the lemur's comb. *Amer. Nat.*, 1937, 71, 95-96. [Lm]
1386. Keith, A. Problems relating to the teeth of the earlier forms of prehistoric man. *Proc. R. Soc. Med.*, 1913, 6, (3), (Odont.), 103-119. [+ 11f: Gr Pn Png]
- 1386a. Kivimäki, J. Juurikanavain muodosta apinoiden hampaissa. (Über die Form der Wurzelkanäle in Affenzähnen.) *Finska TandläkSällsk. Förh.*, 1932, 46, 45-51, 2 pls. [Finn. with Gr. abstr.: Hyl Prsb C-p Mc Ceb]
1387. Magitot, [E.] L'homme et les singes anthropomorphes. *Bull. Soc. Anthropol. Paris*, 1869, (2), 4, 113-145. [+++ 2t: esp. Gr Pn Png Hyl]
1388. Mivart, St. G. Notes on the crania and dentition of the Lemuridae. *Proc. zool. Soc. Lond.*, 1864, 611-648. [Lm Lp-l Hp-l Mcr-c Chrg Pr-p Avh Indr Lor Nyct-c Prdet Arct-c Glg]
1389. Moog, Kurt. *Über Beziehungen zwischen Gestalt und Funktion der Zähne, besonders bei den Primaten.* Inaug.-Diss. (Med.) Tübingen. Leipzig: Georg Thieme, 1930, 36 pp. [+++ 24f: Gr Pn Png Symph Prsb Clb C-p Mc Pp Saim Ceb Atl Hap Myst Lm Lp-l Mcr-c Pr-p Indr Tars]
1390. O[sborn], H. F. Dentition of lemurs and the systematic position of *Tarsius*. *Science*, 1896, n.s., 4, 745-747. [Lm Tars]
1391. Owen, R. Remarks upon the cranium of an orang utan (*Simia wurmbii*). *Proc. zool. Soc. Lond.*, 1837, 82. [Png]
1392. Owen, Richard. *Odontography; or a treatise on the comparative anatomy of the teeth . . . in the vertebrate animals.* London: H. Baillière, 1840-1845, vol. 1, xix, lxxiv, 655 pp. [Pn Png Ceb Atl Al Hap Lm Avh Nyct-c Glg Tars]
1393. Petrovits, L. Das Gebiss des Orang-Utans. *Anat. Anz.*, 1929, 68, 1-15. [5f: Png]
1394. Remane, A. Beiträge zur Morphologie des Anthropoidengebisses. *Arch. Naturgesch.*, 1921, 87A, (11), 1-179. [31f-20t-92r: Gr Pn Png Hyl Symph †††]
1395. Remane, A. Einige Bemerkungen zur Eckzahnfrage. *Anthrop. Anz.*, 1924, 1, 35-40. [++ 6f]
1396. Remane, A. Studien über die Phylogenie des menschlichen Eckzahns. *Z. Anat. EntwGesch.*, 1927, 82, 391-481. [++ 82f-14t-nr: Gr Pn Png Hyl Symph Prsb Clb C-p C-c Mc Pp Mndr Aot Cal-c Pith Cacaj Saim Ceb Lag Atl Brchyt Al Hap Myst Tars]
1397. Rudolphi, [K. A.] Anatomische Bemerkungen. I. Ueber den Orang-Utang, und Beweis, dass derselbe ein junger Pongo sei. *Abh. preuss. Akad. Wiss., Physik. Kl.*, 1824 [1826], 131-136, 2 pls. [Png]
- 1398*. Rusconi, C. La reducción dental en algunos monos americanos es un carácter de especialización. *Rev. odontol. B. Aires*,* 1935, 23, 20-28.
1399. Schultz, A. H. Studies on the evolution of human teeth. *Dent. Cosmos*, 1925, 67, 935-947, 1053-1063. [++ 31f-nr: Gr Pn Pp Ceb Atl Al]
1400. Schwalbe, G. Über den fossilen Affen *Oreopithecus bambolii*. Zugleich ein Beitrag zur Morphologie der Zähne der Primaten. *Z. Morph. Anthropol.*, 1915, 19, 149-254. [26f-42r: Gr Pn Png Hyl Symph Prsb Clb C-p Mc Thr-p Pp Saim Pith Ceb Atl Al Hap Lm Nyct-c Glg Tars †††]

1401. Schwarz, E. Das Gebiss der Lemuridengattung *Lepilemur* J. Geoffroy und seine Bedeutung für die Gebissformel der Primaten. *Zool. Anz.*, 1930, 87, 47-48. [3f: *Lp-l*]

1402. Sera, G. L. La pieghettatura dello smalto nei denti di antropomorfi. *Monit. zool. ital.*, 1916, 27, 208-215.

[1f-r: *Gr Pn Png Hyl*]

1403. Sera, G. L. La genesi delle categorie dentarie nei primati. *G. Morf.*, 1917, 1, 135-190, pl. 2. [11f-nr]

1404. Sera, G. L. I caratteri di forma dei molari delle scimmie e la divisione di queste in due gruppi fondamentali. *G. Morf.*, 1917, 1, 193-216.

1405. Sera, G. L. Le relazioni reciproche dei diversi gruppi sistematici dei primati in base ai caratteri dentari. *G. Morf.*, 1917, 1, 217-221.

1406. Stein, M. R. The myth of the lemur's comb. *Amer. Nat.*, 1936, 70, 19-28. [7f: *Lm*]

1407. de Terra, M. Überblick über den heutigen Stand der Phylogenie des Menschen in Bezug auf die Zähne. *Dtsch. Mschr. Zahnheilk.*, 1905, 23, 177-184, 209-240. [+ *vnr*]

1408. de Terra, Paul. *Vergleichende Anatomie des menschlichen Gebisses und der Zähne der Vertebraten*. Jena: G. Fischer, xiv, 451 pp.

[+ 200f-vnr: all genera]

1409. Todd, Thomas Wingate. *An introduction to the mammalian dentition*. St. Louis: C. V. Mosby, 1918, 290 pp. [+ 100f]

1410. Tomes, Charles Sissmore. *A manual of dental anatomy, human and comparative*. H. W. Maretts Tims, ed., London: J. & A. Churchill, 8th ed., 1923, 547 pp.

1411. Topinard, P. De l'évolution des molaires et prémolaires chez les primates et en particulier chez l'homme. *Anthropologie, Paris*, 1892, 3, 641-710. [++ 7f-2f]

1411a. Train, Paul. *Über Gebissuntersuchungen an Anthropomorphen mit einem Ausblick auf die zukünftige Gestaltung des menschlichen Gebisses*. Inaug.-Diss. (Zahnheilk.) Leipzig, 1934, 17 pp. [+++ 14r: *Gr Pn Png*]

1412. Virchow, H. Über das Gebiss von *Myocetes ursinus*. *Dtsch. Mschr. Zahnheilk.*, 1919, 37, 361-388. [15f-nr: *Al*]

1413. Webb, F. C. *The teeth in man and the anthropoid apes; being a review of the various publications on the subject by Professor Owen, F.R.S., and an essay on the teeth in the varieties of man*. London: (Reprinted from the Dental Review), [1860], 57 pp. [*Gr Pn Png*]

1414. Williams, J. L. New evidence of man's relationship to the anthropoid apes. *J. dent. Res.*, 1928, 8, 289-321.

[+ 52f: *Gr Pn Png*]

1415. Windle, B. C. A. & Humphreys, J. Extra cusps on the human teeth. *Anat. Anz.*, 1887, 2, 13-16. [+ 5f: *C-p Mndr Ceb Hap*]

1416. Winge, H. Om Pattedyrenes Tandskifte isaer med Hensyn til Taendernes Former. *Vidensk. Medd. naturh. Foren. Kbh.*, 1882 [1883], 15-69, pl. 3. [+ *f-vnr*]

1417. Wortman, J. L. Comparative anatomy of the teeth of the Vertebrata. *American system of dentistry*. Philadelphia: Lea Brothers, vol 1, 1886, 351-515. [+ 85f-6pls]

See also: 178, 185, 198, 200, 204, 212, 220, 224, 246, 249a, 253, 261, 451, 767, 779, 783, 792, 795, 800, 817, 1019, 1027, 1031, 1038, 1041, 1043, 1044, 1070, 1087, 1182, 1338a, 1430, 1436, 1451, 1452, 1468, 1848, 3924.

ODONTOMETRY

1418. Eckardt, H. Vergleichende morphologische Studien an den Molaren des Orang-utan und des Gibbon. *Z. Morph. Anthrop.*, 1929, 27, 225-338, pls. 6-10.

[21f-vnt: *Png Hyl Symph*]

1419. Hrdlička, A. Dimensions of the first and second lower molars with their bearing on the Piltdown jaw and on man's phylogeny. *Amer. J. phys. Anthrop.*, 1923, 6, 195-216.

[++ vnt: *Gr Pn Png Hyl Symph ?Prsb Nas Simias Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Pith ?Cacaj Saim Ceb Lag Atl Al Myst.*]

1420. Hrdlička, A. Variation in the dimensions of lower molars in man and anthropoid apes. *Amer. J. phys. Anthrop.*, 1923, 6, 423-438.

[+ 11t: *Gr Pn Png Hyl Symph*]

1421. Mühlreiter, E. Ein Beitrag zur Grössenbestimmung der Zähne der anthropoiden Affen. *Dtsch. Mschr. Zahnheilk.*, 1892, 10, 323-336.

[nt: *Gr Pn Png*]

1422. Nehring, A. Über einen menschlichen Molar aus dem Diluvium von Taubach bei Weimar. *Z. Ethnol.*, 1895, 27, Verh., 573-577.

[+ 1f-1t: *Gr Pn Png*]

1422a. Pilgrim, G. E. New Siwalik primates and their bearing on the question of the evolution of man and the Anthropoidea. *Rec. geol. Surv. India*, 1915, 45, 1-74, pls. 1-4.

[+ 2f-nt: *Gr Pn Png Hyl †††*]

1423. Pittard, E. & Pittard, J.-J. Étude sur le développement cranio-facial des gorilles, des orangs et des chimpanzés. Recherches comparatives sur la capacité crânienne, les poids crâniens et mandibulaires et les surfaces triturantes des groupes molaires. Rapports des surfaces triturantes aux développements encéphaliques. *Rev. suisse Zool.*, 1936, 43, 551-595.

[39t: *Gr Pn Png*]

1424. Ramström, M. Der Piltdown-Fund. *Bull. geol. Instn. Univ. Upsala*, 1918-19, 16, 261-304. [+ 12f-2t: *Pn*]

1425. de Terra, Maximilian. *Beiträge zu einer Odontographie des Menschenrassen*. Inaug.-Diss.

(Phil.) Zürich. Parchim i.M.: H. Freise, 1905, iv, 302 pp. [+ 44f-vnt-vnr: Gr Pn Png Hyl Symph C-p Mc Pp Ceb]

See also: 813, 996, 1030, 1081, 1087, 1134, 1233, 1334a, 1338, 1344, 1361, 1384, 1396, 1400, 3941, 3943, 3952, 3953, 3955, 3958, 3960, 3962.

HISTOLOGY OF THE TEETH

1426. Bargmann, W. Zur Histologie des Dentins. *Z. Zellforsch.*, 1934, 20, 442-458.

[+ 8f-nr: Pn Mc Ceb]

1427. Carter, J. T. On the structure of the enamel in the primates and some other mammals. *Proc. zool. Soc. Lond.*, 1922, (2), 599-608, 7 pls.

[Prsb Cal-c Hap Lm Mcr-c Pr-p Indr Lor Nyct-c Prdct Glg Daub Tars †††]

1428. Czerwinski, Rudolf. *Vergleichend anatomisch-histologische Untersuchungen über den Bau der harten Zahnsubstanzen beim "Macacus rhesus."* Inaug.-Diss. (Med.) Würzburg, C. J. Becker, 1926, 26 pp., 3 pls. [Mc]

1429. Münch. Beitrag zur Struktur der Zähne des Orangutan unter besonderer Berücksichtigung der Linien des Retzius. *Dtsch. Mschr. Zahnheilk.*, 1926, 44, 137-148. [6f: Png]

1430. Schour, I. The neonatal line in the enamel and dentin of the human deciduous teeth and first permanent molar. *J. Amer. dent. Ass.*, 1936, 23, 1946-1955. [+ 9f-9r: Mc]

1430a. Stritzinger, Hermann. *Vergleichende anatomisch-histologische Untersuchungen über die Zähne des Orang-Utan.* Inaug.-Diss. (Zahnh.) Würzburg, R. Mayr, 1932, 12 pp. [Png]

See also: 451, 3992, 4003.

EMBRYOLOGY & DENTITIONS

1431. Bolk, Louis. *Odontologische Studien I. Die Ontogenie der Primatenzähne. Versuche einer Lösung der Gebissprobleme.* Jena: Gustav Fischer, 1913, v, 122 pp., 2 pls. [++ 74f: Prsb Nas Mc Saim Al Lm Pr-p]

1432. Brandes, G. Der Durchbruch der Zähne beim Orang-Utan. *Zool. Gart., Lpz.*, 1928, n.f., 1, 25-28, pl. 2. [1f: Png]

1433. Greiner, E. Zur Entwicklungsgeschichte des Gebisses von *Tarsius spectrum*. *Z. Anat. EntwGesch.*, 1929, 89, 102-122. [16f-1t: Tars]

1434. Hasskó, S. Az orang-után fogváltása, tejfogazata és állkapcsának lécszerkezete. *Allatt. Köslém.*, 1930, 27, 131-141.—Der Zahnwechsel, das Milchgebiss und der Unterkiefer-Balkenbau des Orang-Utan, 141-143. [10f-9r: Png]

1435. Krogman, W. M. Studies in growth changes in the skull and face of anthropoids. I. The eruption of the teeth in anthropoids and Old World apes. *Amer. J. Anat.*, 1930, 46, 303-313. [2t-10r: Gr Pn Png Hyl Symph Mc Thr-p Pp]

1436. Leche, W. Untersuchungen ueber das Zahnsystem lebender und fossiler Halbaffen. *Festschr. C. Gegenbaur*, 1897, 3, 125-166, 1 pl.

[20f-r: Lm Lp-l Hp-l Mcr-c Chrg Pr-p Avh Nyct-c Glg Tars †††]

1437. [Noll, F. C.] Beiträge zur Frage über die Stellung des Menschen. *Zool. Gart., Frankfurt*, 1866, 7, 241-247. [t: Gr Pn Png Hyl Prsb Clb C-p Mc Pp Ceb Lag]

1438. Peters, W. Über das Milchgebiss der Säugethiergattung Aye-Aye, *Chiromys madagascariensis*. *Mber. preuss. Akad. Wiss.*,* 1864 [1865], 243-245. [Abstr.]

1439. Scheff, J. Die erste Dentition beim Affen (*Makakus rhesus*). *Öst.-ung. Vjschr. Zahnheilk.*, 1913, 29, 16-33, 1 pl. [++ 9f-nr: Mc]

1440. Schultz, A. H. Eruption and decay of the permanent teeth in primates. *Amer. J. phys. Anthropol.*, 1935, 19, 489-581. [21f-27t-nr: Gr Pn Png Hyl Prsb Nas Clb C-p Mc Pp Saim Ceb Atl Al Oed-m]

1441. Schwarz, R. Zähne und Kieferwachstum der Anthropoiden. *Verh. schweiz. naturf. Ges.*, 1925, 106, 174-175. [Abstr: Gr Pn]

1442. Selenka, E. Die Rassen und der Zahnwechsel des Orang-Utan. *Math. naturw. Mit. S. B. preuss. Akad. Wiss.*,* 1896, 131-142.

1443. Selenka, E. Die Rassen und der Zahnwechsel des Orang-Utan. *S. B. preuss. Akad. Wiss.*, 1896, (1), 381-392. [1f-4t: Png Hyl]

1444. Spiegel, A. Der zeitliche Ablauf der Bezahnung und des Zahnwechsels bei Javamakaken (*Macaca irus mordax* Th. & Wr.). *Z. wiss. Zool.*, 1934, 145, 711-732. [5t-nr: Mc]

1445. Virchow, H. Die Milchwangenzähne des Menschen und anderer Primaten. *Z. Ethn.*, 1919, 51, 260-272, pl. 2. [++ 1t: Png Mc Cyn-p Al]

1446. Vram, U. G. Sul cambio dei denti e su alcuni caratteri sessuali del cranio nel *Cynoceph. hamadryas*. *Boll. Soc. zool. ital.*, 1911, (2), 12, 153-157. [Pp]

See also: 201, 226, 357, 358, 359, 360, 361, 367, 370, 374, 774, 1031, 1043, 1044, 1087, 1116, 1125, 1135, 1136, 1333, 1374a, 1387, 1392, 1393, 1412, 1452, 1565, 1985, 2924, 2953, 3551, 3768, 3873, 4049.

ANOMALIES OF THE TEETH

1447. Bateson, W. On numerical variation in teeth, with a discussion of the conception of homology. *Proc. zool. Soc. Lond.*, 1892, 102-115.

1448. Bateson, William. *Materials for the study of variation treated with regard to discontinuity in the origin of species.* London: Macmillan & co., 1894, xv, 598 pp. [+ 209f: Gr Pn Png C-p Mc Pp Ceb Atl Brchyt Al]

1449. Batujeff, N. Carabelli's Höckerchen und andere unbeständige Höcker der oberen Mahl-

zähne bei dem Menschen und den Affen. *Bull. Acad. Sci. St. Pétersb.*, 1896, (5), 5, 93-109.
[+ 9f-1t: Prsb Clb C-p Mc Pp Mndr
Ceb Atl Al Pr-p]

1450. de Beaux, O. A proposito di un cranio di *Theropithecus* ♀. *G. Morf.*, 1923, 4, 24-29.
[1f: Thr-p]

1451. Bennejeant, C. Les variations dentaires numériques et la réduction dentaire progressive chez les primates. *Odontologie*, 1935, 73, 443-459, 520-526, 553-581, 630-651.
[++ 67f-vnr: all general]

1452. Bennejeant, Ch. *Anomalies et variations dentaires chez les primates*. Thèse (Sci.) Clermont-Ferrand, 1936, 258 pp. Review: *Rev. odontol.*, 1936, 58, 891-893. [+++ 223f-vnr]

1453. Berwerth, F. H. Über Vermehrung und Verminderung des Gebisses bei den Primaten. *Mitt. anthrop. Ges. Wien*, 1914, 44, 152-164.
[++ 3f: Png Hyl Mc]

1453a. Blainville, H. D. Sur quelques anomalies du système dentaire dans les mammifères. *Ann. franç. étrang. Anat. Physiol.*,* 1837, 1, 285-314.

1454. Camerano, L. Di un cranio di *Cercopithecus ruber* E. Geoffr. con dentatura anomala. *Boll. Mus. Zool. Anat. comp., Torino*, 1896, 11, no. 251, 3 pp. [4f: Ery-c]

1455. Carus, J. V. Ueber eine Anomalie im Gebisse des Orangutans. *Ber. sächs. Ges. (Akad.) Wiss.*, 1898, 50, Naturwiss. Teil, 32-37.
[2f: Png]

1456. Chaine, J. Molaire surnuméraire chez un gorille. *Act. Soc. linn. Bordeaux*, 1926, 78, *Proc.-Verb.*, 127-128. [Gr]

1457. Colyer, J. F. Variations in position of the teeth in New World monkeys. *Proc. R. Soc. Med.*, 1919, 12, (3), (Odont.), 39-54. [18f-1t: Aot Cal-c Pith Chirop Ceb Lag Brchyt Atl Al Hap Myst]

1458. Colyer, F. Variations and abnormalities in the position of the teeth in *Erythrocebus*, the patas monkey. *Proc. R. Soc. Med.*, 1928, 22, (2), (Odont.), 237-242. [13f: Ery-c]

1459. Colyer, Frank. *Four lectures on: "Abnormal conditions of the teeth of animals in their relationship to similar conditions in man."* London: The Dental Board of the United Kingdom, [1931], xi, 167 pp. [217f: see 1460]

1460. Colyer, Frank. *Variations and diseases of the teeth of animals*. London: John Bale, Sons & Danielsson, Ltd., 1936, viii, 750 pp.
[+ 1007f: Gr Pn Png Hyl Symp Prsb Clb Ery-c Mc Pp Mndr Cal-c Pith Saim Ceb Lag Brchyt Atl Al Lm Lp-l Mcr-c Chrgr Lor Nyct-c Prdet Glg]

1461. Fabian, H. Beitrag zu dem Problem der überzähligen Wangenhöcker. *Anat. Anz.*, 1926, 61, 209-224. [+ 12f: Gr]

1462. Gervais, P. Dents surnuméraires observées chez un gorille. *J. Zool.*,* 1874, 3, 164-166, pl. 6. [Gr]

1462a.* Gremiatzki, M. (De quelques anomalies du système dentaire des primates supérieurs et leur signification phylogénétique.) *Russk. antrop. Zh.*, 1928, 16, 24-36. Fr. rés. p. 36. [Russ.]

1463. Hiltzheimer, M. Einige Zahnanomalien wilder Tiere. *Anat. Anz.*, 1908, 32, 442-445.
[++ 5f: Pn C-p]

1464. Holding, R. E. Exhibition of, and remarks upon, specimens illustrating anomalies and variations in teeth. *Proc. zool. Soc., Lond.*, 1906, (1), 233-234. [2f-abstr: Ery-c Pp]

1465. Keuchenius, P. E. Tooth-anomalies in an orang-oetan. *Contr. Faune Ind. néerl.*, 1917, 1, fasc. 3, 302-304. [2f: Png]

1466. Kunstler, J. & Chaine, J. Variations de formules dentaires chez les primates. *C. R. Soc. Biol., Paris*, 1906, 60, 99-101. [Gr Mc]

1467. Lessona, M. Caso di anomalia nella dentatura di un *Hylobates leuciscus* Kuhl. *Atti. Accad. Torino*, 1877, 12, 326-328, pl. 6. [Hyl]

1468. Lönnberg, E. The homologies of the incisors of the higher primates in the light of some "anomalies" in the dentition of gibbons. *Ark. Zool.*, 1931, 22 A, no. 6, 6 pp. [4f: Hyl]

1469. Loth, E. Kilka waryacyj uzębienia u małp. (Ueber einige Varietäten des Gebisses bei den Primaten.) *C. R. Soc. sci. Varsovie*, 1911, 4, fasc. 9, 127-132.
[6f-Gr. abstr.: Png Mc Nyct-c]

1470. Maggi, L. Sopra una diminuzione numerica dei denti nell' orango (*Satyruş orang*). *R. C. Ist. lombardo*, 1891, (2), 24, 586-593, pl. 4. [Png]

1471. Magitot, Émile. *Traité des anomalies du système dentaire, chez l'homme et les mammifères*. Paris: G. Masson, 1877, iv, 303 pp., 20 pls.
[+ Gr Ceb Atl]

1471a. Martini, L. A case of anomalous dentition in a monkey. *Brit. J. dent. Sci.*, 1877, 20, 661-662. [1f: Hyl]

1472. Mijsberg, W. A. Überzählige Milchmolaren und Prämolaren im Gebiss des Siamangs und des Menschen. *Z. Anat. EntwGesch.*, 1931, 96, 98-118. [+ 15f: Symp]

1472a.* Nakajima, T. (Ein verschmolzener Milchzahn bei einem Affen.) *Kokubyo Gk. Z., Tokyo**, 1937, 11, 170-172. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 7, (213). [4f-Jap: Mc]

1473. Neuville, H. Anomalies des incisives observées sur un gorille. *Anthropologie, Paris*, 1917, 28, 257-262. [1f: Gr]

1474. Neuville, H. Ectopies dentaires de gorille et d'orang-outan. *Bull. Mus. Hist. nat., Paris*, 1936, (2), 8, 225-232. [4f: Gr Png]

1475. Peters, W. [Schädel eines weiblichen Orang-Utang aus Borneo mit 6 statt 5 Backzähnen.] *S. B. Ges. naturf. Fr. Berl.*, 1872, 76. [Abstr.: Png]
1476. Ramme, W. Zwei Gebissunregelmäßigkeiten bei amerikanischen Affen. *S. B. Ges. naturf. Fr. Berl.*, 1915, 392-394. [2f: Ceb A]
1477. Regnault, F. Des malformations dentaires chez le singe. *C. R. Soc. Biol., Paris*, 1893, 45, 931-934. [Gr Pn Png Prsb C-p Mc Aot Ceb A]
1478. Remane, A. Eine seltsame Gebissanomalie bei einem Stummelaffen. *Z. Säugetierk.*, 1926, 1, 114-120, pl. 5. [4f-1t: Clb]
1479. Schwarz, E. Der fehlende Schneidezahn der Primaten. *Zool. Anz.*, 1930, 89, 36-38. [1f: Lm Lp-l Hp-l Mcr-c Chrg Pr-p Aoh Indr Glg]
1480. Shaw, J. C. M. Four cases of fourth molar teeth in South African baboons. *J. Anat., Lond.*, 1927, 62, 79-85, 1 pl. [Pp]
1481. Siffre, [A.] Présence sur une mandibule de gorille d'une 4e molaire. *Bull. Soc. Anthrop. Paris*, 1909, (5), 10, 81-82. [Gr]
1482. Smith, G. Elliot. Note on the presence of an extra pair of molar teeth in a *Lemur fulvus*. *Proc. zool. Soc. Lond.*, 1902, (2), 61-62. [1f: Lm]
1483. Tomes, C. S. Partial suppression of teeth in a very hairy monkey (*Colobus caudatus*). *Trans. odont. Soc., Lond.*, 1897, 30, 30-36, 3 pls. [Clb]
1484. Vallois, H. V. Molaires surnuméraires chez un gorille. *Bull. Soc. Hist. nat. Toulouse*, 1925, 53, 142-149. [2f-r: Gr]
1485. Vram, U. G. Un quarto molare in un cranio di *Cercocebus*. *Atti Soc. romana Antrop.*, 1905, 11, 47-48. [1f: C-c]
1486. Wegner, R. N. Ein überzähliger Prämolare beim Siamang (*Symphalangus syndactylus* Desmarest). *Z. Ethn.*, 1908, 40, 86-88. [1f: Symph]
1487. Wegner, R. N. Überzählige Incisiven bei Affen. *Z. Morph. Anthrop.*, 1909, 12, 353-358, pl. 12. [Gr Clb Mc]
- See also: 813, 1012, 1018, 1031, 1041, 1043, 1064, 1070, 1097, 1138, 1185, 1291, 1358, 1369, 1370, 1399, 1425, 1440.

Muscular System & Integument

MORPHOLOGY & ANOMALIES

Comprehensive & General Studies

1488. Alix, E. Sur l'anatomie de l'aye-aye. *Bull. Soc. philom. Paris*, 1878, (7), 2, 252-254; 1879, (7), 3, 167. [Abstr.: Daub]

1488a. Burdach, E. Beitrag zur vergleichenden Anatomie der Affen. *Ber. anat. Anstalt Königsberg*,* 1838, 9, 103 pp. [C-p Mc Pp]

1489. Champneys, F. On the muscles and nerves of a chimpanzee (*Troglodytes niger*) and a *Cynocephalus anubis*. *J. Anat., Lond.*, 1871, 6, 176-211. [Pn Pp]

1490. Cuvier, Georges & Laurillard, [C. L.]. *Anatomie comparée; recueil des planches de myologie*, dessinées par G. Cuvier, ou exécutées sous ses yeux par M. Laurillard. Paris: Dusacq, 1849, vol. 1, 168 pls. with text. [Png C-p Mc Pp Ceb Atl Hap Lm Lor]

1491. Dobson, G. E. Notes on the muscular anatomy of *Cercopithecus callitrichus*. *Proc. zool. Soc. Lond.*, 1881, 812-818. [2f: C-p]

1491a. Fick, R. Über die Gewichts- und Querschnittsverhältnisse der Hundemuskel. *S. B. preuss. Akad. Wiss.*, 1922, 321-352. [+ vnt: Png]

1491b. Fick, R. Anatomische Untersuchungen an einigen der Teneriffaschimpansen, namentlich über die Gewichts- und Querschnittsverhältnisse der Muskeln. *S. B. preuss. Akad. Wiss.*, 1925, 162-197. [+++ vnt: Pn Png]

1492. Fick, R. Beobachtungen an den Muskeln einiger Schimpansen. *Z. Anat. EntwGesch.*, 1925, 76, 117-141. [Pn]

1492a. Hoffman, C. K. & Weijenbergh, H., Jr. Sur la place du *Chiromys* dans la méthode naturelle. *Arch. néerl. Sci.* 1870, 5, 214-232. [Daub]

1493. Hoffman, C. K. & Weyenbergh, H., Jr. Die Osteologie und Myologie von *Sciurus vulgaris* L., verglichen mit der Anatomie der Lemuriden und des Chiromys, und ueber die Stellung des letzteren im natürlichen Systeme. *Natuurk. Verh. holland. Maatsch. Wet.*, 1870, (3), 1, 136 pp., 4 pls. [++ Glg Daub]

1494. Kohlbrügge, Jacob Hermann Friederich. *Muskeln und periphere Nerven des Genus Hylobates*. Inaug.-Diss. (Med.) Freiburg. Leiden: E. J. Brill, 1890, 110 pp. [cf. no. 199]

1495. Kohlbrugge, I. H. F. Muskeln und periphere Nerven der Primaten, mit besonderer Berücksichtigung ihrer Anomalien. Eine vergleichend-anatomische und anthropologische Un-

tersuchung. *Verh. Akad. Wet., Amst., Sect. 2*, 1897, 5, no. 6, 246 pp., 1 tbl. [nt-nr: Gr Pn Png Hyl Symph Prsb Nas C-p C-c Mc Pp Mndr Cal-c Pith Ceb Atl Al Hap Myst Leon-c]

1496. Ledingham, J. C. G. The myology of *Troglodytes niger*. *Proc. anat. anthrop. Soc., Aberd.*, 1904, 136-155. [4f: Pn]

1497. Le Double, Anatole Félix. *Traité des variations du système musculaire de l'homme et de leur signification au point de vue de l'anthropologie zoologique*. Paris: Schleicher frères, 1897, vol. 1, xvi, 368 pp.; vol. 2, 566 pp.

1498. Lucae, J. C. G. Die Statik und Mechanik der Quadrupeden an dem Skelet und den Muskeln eines Lemur und eines *Choloepus*. *Abh. senckenb. naturf. Ges.*, 1883, 13, 1-92, 24 pls. [+++ 2f-4t: Lm]

1499. Macalister, A. On some points in the myology of the chimpanzee and others of the primates. *Ann. Mag. nat. Hist.*, 1871, (4), 7, 341-351. [1f: Pn Clb C-p C-c Mc Pp Ceb Atl Al Hap]

1500. Macalister, A. The muscular anatomy of the gorilla. *Proc. R. Irish Acad.*, 1873, (2), 1, 501-506, pl. 29. [Gr]

1501. MacDowell, E. C. Notes on the myology of *Anthropopithecus niger* and *Papio-thoth ibeanus*. *Amer. J. Anat.*, 1910, 10, 431-460. [5f-4t-37r: Pn Pp]

1502. Michaëlis, P. Beiträge zur vergleichenden Myologie des *Cynocephalus babuin*, *Simia satyrus*, *Troglodytes niger*. *Arch. Anat. Physiol., Lpz., Anat. Abi.*, 1903, 205-256. [7f-69r: Pn Png Pp]

1503. Mivart, St. G. Notes on the myology of a specimen of *Cercopithecus sabaeus*. *Proc. zool. Soc. Lond.*, 1865, 43-46. [1f: C-p]

1504. Mivart, St. G. & Murie, J. Observations on the anatomy of *Nycticebus tardigradus*. *Proc. zool. Soc. Lond.*, 1865, 240-256. [7f-60r: Nyct-c]

1505. Murie, J. & Mivart, St. G. On the anatomy of the Lemuroidea. *Trans. zool. Soc. Lond.*, 1866 [1872], 7, 1-113, pls. 1-6. [21f: Lm Lp-l Mcr-c Indr Lor Nyct-c Prdct Arct-c Glg Daub Tars]

1506. Pagenstecher, H. A. Mensch und Affe. Ein Vergleich der Muskulatur des Drill mit der des Menschen, unter Berücksichtigung allgemeiner Gesichtspunkte der Muskellehre und der Unterschiede von Hand und Fuss. *Zool. Gart., Frankfurt*, 1867, 8, 121-137, 161-172. [f: Mndr]

1507. Parsons, F. G. The muscles of mammals, with special relation to human myology: a course of lectures delivered at the Royal College of Surgeons of England. *J. Anat., Lond.*, 1898, 32, 428–450, 721–752.

[+ 34f: *Mc Cyn-p Lm*]

1508. Pozzi, S. De la valeur des anomalies musculaires au point de vue de l'anthropologie zoologique. *C. R. Ass. franç. Av. Sci.*, 1874 [1875], 3, 581–587, pls. 7–8. [*Gr Pn Pp Mc*]

1509. Primrose, A. The anatomy of the orang-outang. *Proc. Canad. Inst.*, 1898, n. s., 1, 119–121. [*Abstr: Png*]

1509a.* Różycki, S. Morfologja układu mięśniowego szympansa. (The morphology of the muscular system of the chimpanzee.) *Pozn. Tow. Przyj. Nauk., Poznań*, 1922, 1, (2), 88 pp. [*Engl. abstr.: Pn*]

1510. Ruge, G. Rückwirkungen des frei beweglichen Zustandes der oberen Gliedmassen auf Organe des Rumpfes. *Anat. Anz.*, 1918, 51, 81–106. [+ *Gr Pn Hyl*]

1511. Sirena, S. Ricerche sulla miologia del *Mycetes fuscus*. *G. Sci. nat. econ. Palermo*, 1871, 7, 164–244, pls. 25–27. [*nr: Al*]

1512.* Sommer, Alfred. *Das Muskelsystem des Gorilla*. Habilitationsschrift (Med.) Wurzburg. Jena, 1906, 128 pp.

1513. Sommer, A. Das Muskelsystem des Gorilla. *Jena. Z. Naturw.*, 1907, 42, 181–308, pls. 15–18. [*2t-140r: Gr*]

1514. Stewart, T. D. The musculature of the anthropoids. I. Neck and trunk. *Amer. J. phys. Anthrop.*, 1936, 21, 141–204. [*9f-r: Gr Pn Png Hyl*]

1515. Testut, Léo. *Les anomalies musculaires chez l'homme expliquées par l'anatomie comparée. Leur importance en anthropologie*. Paris: G. Masson, 1884, xv, 844 pp. [+ *vnr*]

1516. Wilder, B. G. Contributions to the comparative myology of the chimpanzee. *Boston J. nat. Hist.*, 1861, 7, 353–384. [*1t-16r: Pn*]

1517. Windle, B. C. A. Notes on the myology of *Midas rosalia*, with remarks on the muscular system in apes. *Proc. Bgham nat. Hist. Soc.*, 1885–86, 5, 152–166. [*Leon-c*]

1518. Windle, B. C. A. Notes on the myology of *Hapale jacchus*. *Proc. Bgham nat. Hist. Soc.*, 1886–87, 5, 277–281. [*Hap*]

See also: 171, 176, 178, 198, 199, 203, 213, 217, 221, 227, 255, 258, 284, 765, 781, 790, 803, 1492a, 1493, 1596, 2359a.

QUANTITATIVE MORPHOLOGY

See also: 182, 938, 1061a, 1491a, 1491b, 1519a, 1519b, 1601, 1641, 1676, 1693a, 1699, 1705b, 1797a.

MUSCLES OF THE BACK

(incl. extensors of the tail)

1519. Chapman, [H. C.] Disposition of the latissimus dorsi, etc., in *Ateles geoffroyi* (Kuhl) and *Macacus rhesus* (Demarest). *Proc. Acad. nat. Sci., Philad.*, 1874, 94–95, pls. 13–14. [*Mc Atl*]

1519a. Dzwonkowski, L. (L'anthropomorphologie du muscle trapèze.) *Folia morph., Warszawa*, 1935–36, 6, 147–202. Fr. abstr.: 201–202.

[+++ 31f-nt-46r-Polish: *Gr Pn Png Hyl Symph Prsb C-p Mc Pp Saim Ceb Atl Hap Leon-c Lm*]

1519b. Dzwonkowski, L. Antropomorfologja mięśnia najszerszego grzbietu. (L'anthropomorphologie du muscle grand dorsal.) *C. R. Soc. Sci. Varsovie, Cl. 4*, 1937, 30, 1–51. Fr. abstr. 50–51. [+++ 21f-nt-33r: see no. 1519a]

1520. Forster, A. Zur Morphologie des Musc. trachelo-costo-scapularis und seiner beiden Abkömmlinge: des Levator scapulae und des Serratus anterior. Eine vergleichend-anatomische Untersuchung. *Z. Morph. Anthrop.*, 1914, 17, 247–324, pls. 13–18. [+++ 2f-15t-vnr: *Gr Pn Png Hyl C-p Atl Lm*]

1520a. Hjelmman, G. (Eine beim Menschen selten vorkommende Muskelanomalie und der entsprechende Muskel beim Affen und Halbaffen.) *Finska LäkSällsk. Handl.*, 1931, 73, 421–441. Gr. abstr., 440–441. *Acta Inst. anat. Univ. Helsingf.*, 1931, 4. [+++ 9f-r-Finn.: *Pn Hyl C-p Mc Pp Saim Ceb Hap Lm Hp-l Prdct Daub*]

1521. Maximenko, A. Material zum Studium der Mm. serrati dorsales der Säugetiere. *Z. Anat. EntwGesch.*, 1929, 89, 156–170. [+ 10f-t-13r: *Mc Pp*]

1522. Maximenko, A. Material zum Studium der Mm. serrati dorsales der Säugetiere. II. Mittheilung. *Z. Anat. EntwGesch.*, 1930, 92, 151–177. [+ 14f-2t: *C-p C-c*]

1523. Menier, G., Mlle. L'accessoire du grand dorsal chez l'ouistiti (*Hapale jacchus*, L.). *C. R. Soc. Biol., Paris*, 1912, 73, 494–496. [*1f: Hap*]

1523a. Nishi, S. Die Rückenmuskeln von *Macacus rhesus*. Ein Beitrag zur Myologie der Primaten unter Berücksichtigung der menschlichen. *Jap. J. med. Sci., I Anat.*, 1939, 7, 153–171. [*11t: Mc*]

1523b. Nishi, S. Über die Innervation der segmentierten Muskeln. *Folia anat. japon.*, 1922, 1, 101–104. Esperanto abstr. p. 104. [*disc. of no. 1523c: Mc*]

1523c. Ogushi, K. Beiträge zur vergleichenden Anatomie der Mm. serrati posteriores bei Affen, nebst einer Bemerkung über die "Oligoneurie." *Anat. Anz.*, 1920, 53, 321–332.

[3f-4t: *Gr Pn Png Hyl Symph Prsb Clb C-p Ery-c C-c Mc Mndr Aot Pith Saim Ceb Lag Atl Al Hap Leon-c Lm Nyct-c Glg*]

1524. de Pina, L. Les faisceaux épineux du muscle grand complexus. *Ann. Anat. path. med.-chir.*, 1930, 7, 783-788. [++ 2f: Gr Pn Png Hyl Clb C-p C-c Mc Pp Hap Lag Lm]

1525. Plattner, F. Über die ventral-innervierte und die genuine Rückenmuskulatur bei drei Anthropomorphen. (*Gorilla gina*, *Hylobates syndactylus* und *Troglodytes niger*.) *Gegenbaurs Jb.*, 1923, 52, 241-280. [4f: Gr Pn Symph]

1525a.* Ruge, G. Der breite Rückenmuskel der Primaten. In: *Festschr. zum 70. Geburtstag von Dr. Emil Grasser*, Berlin: J. Springer, 1917, viii, 638 pp., 38 pls.

1526. Ruge, G. Der breite Rückenmuskel der Primaten. *Z. angew. Anat.*, 1918, 2, 233-284. [++ nr: Gr Pn Png Hyl Symph Prsb Nas Clb C-p Ery-c C-c Mc Pp Ceb Atl Lm Nyct-c Prdct Glg Daub]

1527. Ruge, G. Ursprung des breiten Rückenmuskels bei Halbaffen, Affen und beim Menschen. *Gegenbaurs Jb.*, 1920, 51, 141-146. [++ t]

1528. Schmidt, E. C. H., Jr. A comparative study of the spinal musculature of the domestic cat and the rhesus monkey. *Proc. Pa Acad. Sci.*, 1935, 9, 63-65. [++ Mc]

1529. Schück, A. C. Beiträge zur Myologie der Primaten. I. Der M. latissimus dorsi und der M. latissimo-tricipitalis. *Gegenbaurs Jb.*, 1913, 45, 267-294. [21f-r: Pn Png Symph Prsb C-p Ery-c C-c Mc Pp Ceb Atl Lm Nyct-c]

1530. Schück, A. [C.] Beiträge zur Myologie der Primaten. II. 1. Die Gruppe: Sterno-cleido-mastoideus, Trapezius, Omo-cervicalis. 2. Die Gruppe: Levator scapulae, Rhomboides, Serratus anticus. *Gegenbaurs Jb.*, 1913, 47, 355-418. [46f-10t-r: see no. 1529]

1531. Seydel, O. Über den Serratus posticus und seine Lagebeziehung zum Obliquus abdominis und Intercostalialis externus bei Prosimiern und Primaten. *Morph. Jb.*, 1891, 18, 35-75, pls. 2-3. [Gr Pn Png Hyl Symph Prsb Mc Mndr Hap Lm Lor Glg Daub Tars]

1532. Vallois, H. V. Les caractères de la musculature nuchale chez l'homme. *C. R. Soc. Biol., Paris*, 1926, 95, 1464-1465. [+]

1533. Vallois, H.-V. Les variations des muscles spinaux chez les primates supérieurs. *C. R. Acad. Sci., Paris*, 1927, 184, 232-234. [+]

1534. Vallois, H.-V. Les muscles spinaux chez l'homme et les anthropoïdes. Contribution à l'étude de l'adaptation à l'attitude verticale. *Ann. Sci. nat., Zool.*, 1928, (10), 11, 1-65. [++ 10f-5t-37r: Gr Pn Png Hyl C-p Mc P-p]

1535. Virchow, H. Über die Rückenmuskeln eines Schimpanse. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1909, 137-174. [If-t: Pn]

1536. Virchow, H. Die Rückenmuskeln des Schimpanse. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1914, 319-350. [2f-t: Pn]

1537. Virchow, H. Über die Rückenmuskeln des *Erythrocebus patas*. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1916, 1-58. [10f: Ery-c]

1537a. Voss, H. Vergleichende Untersuchungen über den Aufteilungsgrad der kontraktiven Masse in den Skelettmuskeln. I. Der Nachweis eines verschiedenen Aufteilungsgrades in den drei Teilen des Trapezmuskels. *Z. mikr.-anat. Forsch.*, 1934, 36, 179-190. [++ 4f: Pn Png Pp]

See also: 830, 831, 872, 1271, 1503, 1510, 1514, 1585, 1643, 1645, 1646, 1649, 1650, 1653.

MUSCLES OF THE HEAD: FACIAL GROUP

1538. Chudzinski, T. Sur les muscles peusiens du crâne et de la face, observés sur un jeune gorille mâle. *Bull. Soc. Anthropol. Paris*, 1885, (3), 8, 583-586. [If: Gr]

1539. Deniker, J. Le développement des muscles de la face chez le gorille. *C. R. Soc. Biol., Paris*, 1887, 39, 448-451. [Gr]

1540. Dupuy, P. Anatomie comparée des muscles du rire. *Bull. Soc. anat. Paris*, 1905, 80, 549-551. [+++ Pn]

1541. Hänel, H. Über die Gesichtsmuskulatur des katarrhinen Affen. *Gegenbaurs Jb.*, 1932, 71, 1-76. [47f: C-p C-c Cyn-p Mc Pp]

1542. Huber, E. Ein M. mandibulo-auricularis bei Primaten, nebst Beiträgen zur Kenntniss der Phylogenese der menschlichen Ohrmuskulatur. *Anat. Anz.*, 1925, 60, 11-21. [+++ 3f: Mc Al Lm]

1543. Huber, E. Der M. mandibulo-auricularis der Säugetiere, nebst weiteren Beiträgen zur Erforschung der Phylogenese der Gesichtsmuskulatur. *Gegenbaurs Jb.*, 1925, 55, 1-111. [+ 30f-vnr: Mc Al Lm]

1544. Huber, E. Evolution of facial musculature and cutaneous field of trigeminus. *Quart. Rev. Biol.*, 1930, 5, 133-188, 389-437. [++ 46f-vnr: Gr Pn Png Hyl Mc Aot Atl Hap Oed-m Lm Tars]

1545. Huber, Ernst. *Evolution of facial musculature and facial expression*. Baltimore: The Johns Hopkins Press, 1931, xii, 184 pp.

1546. Lightoller, G. S. The facial muscles of three orang utans and two Cercopithecidae. *J. Anat., Lond.*, 1928, 63, 19-81, 11 pls. [57r: Png Mc Pp]

1547. Lightoller, G. S. The facial musculature of some lesser primates and a *Tupaia*. A comparative study. *Proc. zool. Soc. Lond.*, 1934, (1), 259-309, 8 pls. [+++ 29r: Hap Lm Tars]

1548. Paugger, J. Beitrag zur Kenntnis der Halshautmuskulatur bei Primaten. *Z. Morph. Anthropol.*, 1923, 23, 185-226. [15f-62r: Pn Png Hyl Ery-c Mc Pp Hap Tars]

1549. Perregaux, Eduard. *Einiges über die Lippenmuskulatur der Säugethiere.* Inaug.-Diss. (Med.) Bern, K. J. Wyss, 1884, 18 pp. [+ C-p Pp]

1550. Popovski, I. Podkozhnaya muskulatura orang a i innervatsia yeya. [The subcutaneous muscular system and its innervation in the orang-outang.] *Izv. imp. Tomsk. Univ.*, *1893, 6, 1-50. [3f-Russ.: Png]

1551. Rahner, R. Die Gesichtsmuskulatur der Affen und die Träger der menschlichen Mimik. Die stammesgeschichtliche Entstehung der mimischen Gesichtsmuskulatur des Menschen. *Prometheus*, 1914, 25, 689-693. [+++ 3f-3r: Lp-l Pr-p]

1552. Rex, H. Ein Beitrag zur Kenntnis der Muskulatur der Mundspalte der Affen. *Morph. Jb.*, 1887, 12, 275-286, pl. 17. [Pn Png C-p Mc Lor]

1553. Różycki, S. Mięsień poprzeczny karku i mięsień poprzeczny podbródka u szmpansa. (Le muscle transverse de la nuque et transverse du menton chez le chimpanzé.) *Kosmos, Lwów*, 1924, 49, 33-40. [2f-10r-Engl. abstr.: Pn]

1554. Ruge, G. Über die Gesichtsmuskulatur der Halbaffen. Eine vergleichend-anatomische Studie. *Morph. Jb.*, 1886, 11, 243-315, pls. 14-16. [Lm Lp-l Mcr-c Pr-p Avh Daub Tars]

1555. Ruge, G. Die vom Facialis innervierten Muskeln des Halses, Nackens und des Schädels eines jungen Gorilla ("Gesichtsmuskeln"). *Morph. Jb.*, 1887, 12, 459-529, pl. 24. [1f-1t: Gr]

1556. Ruge, Georg. *Untersuchungen über die Gesichtsmuskulatur der Primaten.* Leipzig: W. Engelmann, 1887, 130 pp., 8 pls. [52r: Gr Pn Png Hyl Prsb Clb Mc Cyn-p Mndr Ceb Lag Atl Al Hap]

1557. Ruge, G. Gesichtsmuskulatur und Nervus facialis der Gattung *Hylobates*. *Gegenbaurs Jb.*, 1911, 44, 129-177. [12f: Hyl SympH]

1558. Schreiber, H. Die Gesichtsmuskulatur der Platyrrhinen. *Gegenbaurs Jb.*, 1928, 60, 179-295. [59f: Aot Pith Saim Ceb Lag Atl Al Hap Myst Leon-c]

1559. Smith, W. K. The motor innervation of the superficial facial and superficial cervical musculature of mammals. *Anat. Rec.*, 1931, 50, 333-353. [+ 5f-r: Mc]

1560. Sullivan, W. E. & Osgood, C. W. The facialis musculature of the orang, *Simia satyrus*. *Anat. Rec.*, 1925, 29, 195-243. [6f-13r: Gr Pn Png]

1561.* Süßmayr, Georg. *Ueber die Gesichtsmuskulatur einiger Primaten.* (Eine vergleichend-

anatomische Studie.) Inaug.-Diss. München, C. Wolf & Sohn, 1888, 38 pp., 1 pl.

1562. Virchow, H. Gesichtsmuskeln der Schimpansen. *Abh. preuss. Akad. Wiss.*, 1915, no. 1, 81 pp., 4 pls. [10f: Pn]

1563. Virchow, H. Gesichtsmuskeln des weiblichen Schimpansen "Chica." *S.B. Ges. naturf. Fr. Berl.*, 1922, 53-65. [Pn]

See also: 180, 227, 480, 1566.

MUSCLES OF THE HEAD: CRANIOMANDIBULAR GROUP

1564. Bluntschli, [H.] Die Kaumuskulatur der Menschenaffen (nach Untersuchungen beim Orang). *Anat. Anz.*, 1929, 67, ErgH., 199-208. [2t: Png]

1565. Bluntschli, H. Die Kaumuskulatur des Orang-Utan und ihre Bedeutung für die Formung des Schädels. I. Teil: Das morphologische Verhalten. *Gegenbaurs Jb.*, 1929, 63, 531-606, pls. 2-10. [2f-t-r: Png]

1565a.* Bluntschli, H. Die Kaumuskeln eines neugeborenen Orang-Utan. *Vjschr. Zahnheilk., Sonderh.*, 1931, 47, 10-21. Abstr.: *Dtsch. Mschr. Zahnheilk.*, 1931, 49, p. 706. [Png]

1566. v.d. Broek, A. J. P. Über Muskelinsertionen und Ursprünge am Unterkiefer; ein Beitrag zur Kinnfrage. *Z. Morph. Anthropol.*, 1920, 21, 227-284, pls. 5-6. [+++ 22f-39r: Gr Pn Png Hyl Mc Pp Ceb Atl Al Lm]

1566a. Dubecq, J. Morphologie comparative de la musculature temporo-masséterine chez quelques mammifères. *Mém. Soc. Sci. phys. nat. Bordeaux*, 1923, (7), 3, 215-262. [+ 35f-62r: Hyl Ery-c]

1567. Forster, A. Ueber die morphologische Bedeutung des Wangenfettpfropfes. Seine Beziehungen zu den Kaumuskeln und zu der Glandula orbitalis. *Arch. Anat. Physiol. Lpz., Anat. Abt.*, 1904, 197-298, pls. 15-19. [+ 67r: Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Atl Hap Leon-c Lm]

1568. Hopf, G. Größenunterschiede der Muskelfaserquerschnitte zwischen den einzelnen Portionen des M. masseter beim Menschen und bei einigen Säugetieren. *Z. mikr.-anat. Forsch.*, 1934, 35, 195-217. [+ 15f: Pn]

1569. Riegner, [H.] Beiträge zur Physiologie der Kieferbewegungen. Zweiter Teil. Die Kiefermuskeln und ihre Wirkungsweise beim Affen (*Macacus rhesus*). *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1906, 109-116, pl. 3. [Mc]

1570. Riegner, [H.] Beiträge zur Physiologie der Kieferbewegungen. Zweiter Teil. Die Kiefermuskeln und ihre Wirkungsweise beim Affen (*Macacus rhesus*). *KorrespBl. Zahnärz.*, 1907, 36, 132-140. [5f: Mc]

1571. Starck, D. Die Kaumuskulatur der Platyrrhinen. *Gegenbaurs Jb.*, 1933, **72**, 212-285. [51f-vnr: *Aot Pith Saim Ceb Lag Atl Al Hap Leon-c*]

1572. Zlabek, K. Les types principaux du masséter des Simioidea. *Bull. Soc. Anthropol. Paris*, 1935, (8), **6**, 93-110. [10f: *Hyl Clb Atl Hap Oed-m*]

1573. Zlabek, K. Note sur le masseter des catarhiniens et des platyrrhiniens. *Bull. Mus. Hist. nat., Paris*, 1936, (2), **8**, 118-124. [3f: *Thr-p Ceb*]

See also: 180, 1061a, 1075, 1343, 1347, 1582, 2486.

MUSCLES OF THE NECK

(incl. hyoidean muscles)

1574. Bijvoet, W. F. Ueber den Musculus digastricus mandibulae beim Orang-Utan. *Ned. Bijdr. Anat.*, 1907, **4**, 539-544. [5f-8r: *Png*]

1575. Bijvoet, W. F. Zur vergleichenden Morphologie des Musculus digastricus mandibulae bei den Säugetieren. *Z. Morph. Anthropol.*, 1908, **11**, 249-316. [+ 34f-40r: *Prsb Clb Mc Mndr Aot Saim Ceb Atl Al Oed-m Lm Lp-l Nyct-c Glg Daub Tars*]

1576. Chaîne, J. Le digastrique du chimpanzé et l'origine phylogénique de ce muscle. *C. R. Soc. Biol., Paris*, 1905, **59**, 623-624. [Pn]

1577. Dobson, G. E. On the digastric muscle, its modifications and functions. *Trans. Linn. Soc. Lond., Zool.*, 1882, (2), **2**, 259-264, pl. 25. [+ *Pn C-p Lor*]

1578. Dupuy, P. Note sur le ventre antérieur du digastrique du chimpanzé. *Bull. Soc. anat. Paris*, 1905, **80**, 112-114. [Pn]

1579. Forster, A. Beitrag zur Morphologie des Scalenusystems und des M. sterno-costalis. Teil I. *Z. Morph. Anthropol.*, 1915, **19**, 27-148, pls. 1-5. [+ 27f-2t: *Hyl Prsb C-p Atl Hap Lm Nyct-c*]

1580. Forster, A. Beitrag zur Morphologie des Scalenusystems und des M. sterno-costalis. Eine vergleichend-anatomische Untersuchung. Teil II. *Z. Morph. Anthropol.*, 1915, **19**, 271-352, pls. 6-8. [++ 7f-15t-167r: *Gr Pn Png*]

1581. Holl, M. Zur Morphologie des M. digastricus mandibulae der Affen. *S.B. Akad. Wiss. Wien, Abt. 3*, 1912, **121**, 71-117. Abstr.: *Anz. Akad. Wiss. Wien*, 1912, **49**, 109-111. [5f: *Gr Pn Png Hyl Prsb Mc Ceb*]

1582. Kurz, [E.] Muskeln und Nerven der Hals- und Brust-Schultergegend von *Macacus rhesus*. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1918, 225-241. [1f-nr: *Mc*]

1583. Sonntag, C. F. The variations in the digastric muscle of the rhesus macaque and the common macaque. *Proc. zool. Soc. Lond.*, 1919, (2), 437-439. [5f: *Mc*]

1584. Toldt, C. Der M. digastricus und die Muskeln des Mundhöhlenbodens beim Orang. *S. B. Akad. Wiss. Wien, Abt. 3*, 1907, **116**, 443-456, 3 pls. [Png]

1584a. Toldt, C. Der vordere Bau des Musculus digastricus mandibulae und seine Varietäten beim Menschen (II Teil). *S. B. Akad. Wiss. Wien, Abt. 3*, 1908, **117**, 229-319. [+ 3f: *Gr Png Hyl*]

1585. Virchow, H. Die Nackenmuskelfelder eines kindlichen Schimpanse. *Z. Ethn.*, 1914, **46**, 478-480. [1f: *Pn*]

1586. Žlábek, K. O tvarové závislosti m. digastricus mandibulae člověka a antropoidních opic na mechanismu čelistního kloubu. *Rozpr. české Akad., Trida II*, **39**, 1939, no. 41, 38 pp. Fr. abstr.: *Bull. int. Acad. Prague*, 1929, **30**, 181-183. [+++ 14f-52r-Czech: *Gr Pn Png*]

1586a. Žlábek, K. Reconstruction du mouvement vertical dans l'articulation temporo-maxillaire de l'homme et des singes anthropoïdes. *Arch. Anat., Strasbourg*, 1930, **12**, 49-73. [++ 9f-12r: *Gr Pn Png*]

See also: 144, 488, 509, 562, 1270, 1271, 1343, 1503, 1514, 1530, 1532, 1536, 1565, 1566, 1569, 1570, 1595, 1617, 2381.

MUSCLES OF THE THORAX

1587. v. d. Broek, A. J. P. Ein doppelseitiger M. sternalis und ein M. pectoralis quartus bei *Hylobates syndactylus*. *Anat. Anz.*, 1910, **35**, 591-596. [1f: *Symph*]

1588. Cals, G. Recherches sur quelques muscles de la région pectorale au point de vue de l'anatomie comparée. *Bibliogr. anat.*, 1902, **11**, 89-111. [++ 5f-r: *Clb Mc Saim Atl Leon-c Lm Lp-l Mcr-c Pr-p Nyct-c Prdct Tars*]

1589. Cords, Elisabeth. Zur vergleichenden Morphologie des M. sterno-costalis. *Z. Anat. EntwGesch.*, 1924, **71**, 261-281. [+ 10f: *C-p*]

1590. Florence, J. Notes sur l'anatomie du *Semnopithecus hanuma*. (Creux axillaire—triangle de Scarpa.) *Bibliogr. anat.*, 1910, **20**, 224-230. [2f: *Prsb*]

1591. Forster, A. Zur Morphologie der Muskeln des Thorax. Eine vergleichend-anatomische Untersuchung. II. Teil. *Z. Morph. Anthropol.*, 1916, **20**, 111-224. [+ 37f-46t: *Prsb C-p Lm*]

1592. Forster, A. Zur Morphologie der Muskeln des Thorax. Eine vergleichend-anatomische Untersuchung. III. Teil. *Z. Morph. Anthropol.*, 1917, **20**, 339-456. [+++ 33f-54t: *Gr Pn Png Hyl Atl*]

1593. Forster, A. Zur Morphologie der Muskeln des Thorax. Eine vergleichend-anatomische Untersuchung. V. Teil. *Z. Morph. Anthropol.*, 1919, **21**, 23-102, 7 tbls. [+ 7t-219r: *Pn Png Hyl C-p Atl Lm*]

1594. Frey, H. Vorkommen einer primitiven Form des muskulösen Achselbogens beim Menschen. Beitrag zur Systematik des Achselbogens. *Gegenbaurs Jb.*, 1921, 51, 259-277.

[+ 9f: Gr C-p Pp]

1595. Huntington, G. S. Contribution to the myology of *Lemur bruneus*. *Trans. N.Y. Acad. Sci.*,* 1897, 16, 335-363, pls. 28-35. [13r: Lm]

1596. Huntington, G. S. Present problems of myological research and the significance and classification of muscular variations. *Amer. J. Anat.*, 1903, 2, 157-175, 7 pls.

[++ Png Prsb Mc Pp Hap Nyct-c]

1597. Imparati, E. Contribuzione alla miologia delle regioni antero-laterale del torace, costale e della spalla nelle scimmie. *Riv. ital. Sci. nat.*, 1895, 15, 118-121, 129-132, 145-148; 1896, 16, 7-9, 17-24. [2f-t: Prsb C-p Mc Pp]

1598. Kassianenko, W. Zur vergleichenden Anatomie der Mm. intercartilaginei bei den Säugetieren. *Z. Anat. EntwGesch.*, 1928, 85, 166-177.

[+ 12f-11r: C-p C-c Mc Pp Hap]

1599. Keith, A. Note on the supracostalis anterior. *J. Anat., Lond.*, 1894, 28, 333-334.

[+++ 1f]

1600. Kolesnikow, W. W. Über die Mm. subcostales der Säugetiere. *Z. Anat. EntwGesch.*, 1930, 92, 1-19. [+ 18f-r: C-p C-c]

1601. Loth, E. Anthropomorphologie des muscles. Muscles du tronc.—Note préliminaire. *Bull. Soc. Anthropol. Paris*, 1919, (6), 10, 116-133.

[+ vnt: Gr Pn Png Hyl C-p-id Platyrr Lm-oid]

1602. Mysberg, W. A. Die Homologie der Brust- und Bauchmuskeln der Primaten. *Anat. Anz.*, 1917, 50, 121-127.

1603. Sergi, S. I muscoli intercostali e la differenza sessuale del tipo di respirazione nello cimpanzè. *Riv. Antrop.*, 1920, 24, 177-207.

[++ 8f-3t-nr: Pn]

1604. Tobler, L. Der Achselbogen des Menschen, ein Rudiment des Panniculus carnosus der Mammalier. *Morph. Jb.*, 1902, 30, 453-507.

[++ 27f-56r: Gr C-p Ery-c Mc Pp]

1605. Virchow, H. Intercostales externi und Transversus thoraco-abdominalis des *Erythrocebus patas*. *Arch. Anat. Physiol., Anat. Abt., Suppl.-Bd.*, 1915, 1-19. [2f: Ery-c]

1606. Zuckerkandl, E. Zur Anatomie und Morphologie der Musculi pectorales. *S. B. Akad. Wiss. Wien, Abt. 3*, 1910, 119, 469-558, 3 pls.

[++ Gr Pn Png Hyl C-p C-c Mc Pp Atl Hap Lm Daub]

See also: 143, 309a, 1501, 1503, 1510, 1514, 1520, 1530, 1531, 1536, 1579, 1580, 1608, 1610, 1611, 1614, 1615, 1617, 1643, 1649, 1653.

MUSCLES OF THE ABDOMEN

1608. Iwakin, A. A. Zur Frage über die Homologie der ventralen Lumbalmuskulatur. Mitteilung I: Über den Musculus retractor costae ultimae. *Gegenbaurs Jb.*, 1928, 59, 179-195.

[+ 11f-24r: C-p C-c Mc Hap]

1609. Kassianenko, W. Vergleichend-anatomische Untersuchung der Blätter der Rectus-scheide bei einigen Säugetieren. *Z. Anat. EntwGesch.*, 1929, 89, 171-186.

[+ 16f-18r: Mc Pp]

1610. Kaudern, W. Ueber einige Aehnlichkeiten zwischen *Tupaja* und den Halbaffen. *Anat. Anz.*, 1910, 37, 561-573.

[7f: Lm Chrg Pr-p Nyct-c Prdct Glg]

1611. Kaudern, W. Über die Bauchmuskeln bei *Chiromys madagascariensis*. *Anat. Anz.*, 1914, 46, 616-622.

[3f-1t: Lm Chrg Pr-p Nyct-c Daub]

1612. Mijsberg, W. A. Over den bouw den musculösen buikwand der primaten. *Versl. gewone Vergad. Akad. Amst.*, 1915, 23, (2), 1424-1438.—On the structure of the muscular abdominal wall of primates. *Proc. Acad. Sci. Amst.*, 1915, 18, (1), 19-33.

[++ 6f: Prsb C-p Ceb Brchyt Atl]

1613. Mysberg, W. A. Over het voorkomen van een M. obliquus externus profundus abdominis bij de primaten; en over de bouw van de rectusscheede der primaten. *Werk. Genoot. Nat.-, Genees- en Heelk., Amst.*, 1916, (2), 8, 370-375.

[Abstr.]

1614. Ruge, G. Anatomisches über den Rumpf der Hylobatiden. Ein Beitrag zur Bestimmung der Stellung dieses Genus im Systeme. *Webers Zool. Ergebn. Reise Niederländ. Ost-Ind.*,* 1891, 1, 366-460, pls. 21-25. [Hyl Symph]

1615. Ruge, G. Zeugnisse für die metamere Verkürzung des Rumpfes bei Säugethieren. Der Musculus rectus thoraco-abdominalis der Primaten. Eine vergleichend-anatomische Untersuchung. *Morph. Jb.*, 1892, 19, 376-427, pls. 13-14.

[11f-t: Gr Pn Png Hyl Symph Prsb Nas Mc Pp Mndr Avh Lor Prdct Glg]

1616. Seydel, O. Über die Zwischensehnen und den metameren Aufbau des M. obliquus thoraco-abdominalis (abdominis) externus der Säugethiere. *Morph. Jb.*, 1892, 18, 544-604, pls. 20-21. [++ 24f: Gr Pn Png Hyl Symph Mc Mndr Ceb Hap Lm Avh Lor Prdct Glg Daub]

1616a. Steinfeld, Z. S. (The comparative anatomy of musculus abdominis obliquus internus [Homo and Primates]). *Folia morph., Warszawa*, 1937-38, 8, 80-98. Engl. abstr.: 97-98; and *Bull. int. Acad. Cracovie, Cl. méd.*, 1936, 197-201.

[+++ 17f-nt: Gr Pn Png C-p Thr-p Pp Saim Ceb Atl Hap Leon-c Lm]

1617. **Tschachmachtschjan, H.** Über die Pectoral- und Abdominalmuskulatur und über die Scalenus-Gruppe bei Primaten. *Gegenbaurs Jb.*, 1912, **44**, 297-370. [46f-10t-nr: *Symph Prsb C-p Ery-c Mc Pp Ceb Atl Hap Lm Nyct-c Glg*]

1618. **Vallois, H. V.** Valeur et signification du muscle pyramidal de l'abdomen. *Arch. Anat., Strasbourg*, 1926, **5**, 497-525.

[+ 7f-5t: *Prsb C-p Ery-c Mc Pp*]

See also: 293, 923, 1510, 1514, 1531, 1601, 1602, 1612, 1621, 1684a, 1692, 2367.

MUSCLES OF THE PERINEUM

(incl. flexors of the tail)

1619. **Eggeling, H.** Zur Morphologie der Dammuskulatur. (Schluss.) *Morph. Jb.*, 1896, **24**, 511-631. [+++ 31r: *Pn Gr Png Hyl Prsb Clb C-p Mc Pp Aot Saim Ceb Atl Hap Myst Oed-m Lm Glg Lor Nyct-c Prdct Arc-c*]

1620. **von Eggeling, H.** Zur Morphologie des Beckenbodens. *Gegenbaurs Jb.*, 1929, **63**, 243-259. [+ 10f-nr: *Png*]

1621. **Elftman, H. O.** The evolution of the pelvic floor of primates. *Amer. J. Anat.*, 1932, **51**, 307-346. [7pl-43r: *Gr Pn Png Hyl C-p P-p Ceb Lm Tars*]

1622. **Forster, A.** Remarques sur les possibilités d'adaptation de la musculature anale. 1. Chez quelques prosimiens. *Arch. Anat., Strasbourg*, 1922, **1**, 451-470.

[3f-24r: *Glg Nyct-c Prdct*]

1623. **Forster, A.** Note sur l'adaptation de la musculature anale chez le chimpanzé. *Bull. Soc. anat. Paris*, 1923, **93**, 286-291. [2f: *Pn*]

1624. **Forster, A.** Remarques sur les possibilités d'adaptation de la musculature anale. II. Chez le chimpanzé. *Arch. Anat., Strasbourg*, 1924, **3**, 21-35. [3f: *Pn*]

1625. **Forster, A.** Remarques sur les possibilités d'adaptation de la musculature anale. III. Chez l'atèle. *Arch. Anat., Strasbourg*, 1926, **6**, 109-121. [3f: *Atl*]

1626. **Kollmann, J.** Der Levator ani und der Coccygeus bei den geschwänzten Affen und den Anthropoiden. *Anat. Anz.*, 1894, **9**, ErgH., 198-205. [2f-12r: *Pn C-p*]

1627. **Lartschneider, J.** Die Steissbeinmuskeln des Menschen und ihre Beziehungen zum M. levator ani und zur Beckenfascie. Eine vergleichend-anatomische Studie. *Denkschr. Akad. Wiss. Wien*, 1895, **62**, 95-136, 5 pls.

[++ nr: *Pn Png Mc Pp Mndr Ceb*]

1628. **Smith, W. C.** The levator ani muscle; its structure in man, and its comparative relationships. *Anat. Rec.*, 1923, **26**, 175-203.

[+ 5f-63r: *Pn*]

1629. **Thompson, P.** On the arrangement of the fasciae of the pelvis and their relationship to the levator ani. *J. Anat., Lond.*, 1901, **35**, 127-141, pls. 12-16. [++ *Png Mc Hap*]

1630.* **Wolff, F.** Vergleichend anatomische Untersuchungen über die Schwanzmuskulatur von *Hapale jacchus*, *Cebus macrocephalus* und *Ateles ater*. Hannover & London, 1908, 31 pp., 6 pls.

[*Ceb Atl Hap*]

1631. **Zuckerkindl, E.** Zur Morphologie des *Musculus ischiocaudalis*. *S. B. Akad. Wiss. Wien., Abt. 3*, 1900, **109**, 661-671, 2 pls.; 1901, **110**, 47-53, 1 pl. [+ *Lm*]

See also: 659, 662, 664, 695, 710, 923.

APPENDICULAR MUSCULATURE

Comprehensive & General Studies

1632. **Alix, [E.]** Nouvelles observations sur la myologie du tarsier. *Bull. Soc. philom. Paris*, 1865, (6), **2**, 147-160. [*Tars*]

1633. **Barnard, W. S.** Observations on the membral musculature of *Simia satyrus* and the comparative myology of man and the apes. *Proc. Amer. Ass. Adv. Sci.*, 1875, **24**, B, 112-144.

[2pl-r: *Png*]

1634. **Boyer, Esther L.** The musculature of the inferior extremity of the orang-utan, *Simia satyrus*. *Amer. J. Anat.*, 1935, **56**, 193-256.

[15f-r: *Png*]

1635. **Church, W. S.** On the myology of the orang utang (*Simia morio*). *Nat. Hist. Rev.*,* 1861, **1**, 510-516; 1862, **2**, 82-94. [*Png*]

1636. **Hartmann, R.** Einige Hauptfascien des Menschen und der anthropoiden Affen. *S. B. Ges. naturf. Fr. Berl.*, 1878, 189-191.

[++ *Gr Pn Png Hyl*]

1637. **Haughton, S.** Notes on animal mechanics. II.—On the muscles of some of the smaller monkeys of the genera *Cercopithecus* and *Macacus*. *Proc. R. Irish Acad.*, 1864, **8**, 467-471.

[1f-4t: *C-p Mc*]

1638. **Haughton, S.** Notes on animal mechanics. No. VII.—On the muscular anatomy of the *Macacus nemestrinus*. *Proc. R. Irish Acad.*, 1865 [1867], **9**, 277-287.

[4f-nt: *Pn Mc Ceb Lag*]

1639. **Hepburn, D.** The comparative anatomy of the muscles and nerves of the superior and inferior extremities of the anthropoid apes. Part I. *J. Anat., Lond.*, 1892, **26**, 149-186, pl. 3.

[3f: *Gr Pn Png Hyl*]

1640. **Hepburn, D.** The comparative anatomy of the muscles and nerves of the superior and inferior extremities of the anthropoid apes. Part II. *J. Anat., Lond.*, 1892, **26**, 324-356, pl. 9.

[*Gr Pn Png Hyl*]

1641. **Langer, C.** Die Musculatur der Extremitäten des Orang als Grundlage einer ver-

gleichend-myologischen Untersuchung. *S. B. Akad. Wiss. Wien, Abt. 3*, 1879, **79**, 177–222, 2 pls. Abstr.: *Anz. Akad. Wiss. Wien*, 1879, 63–66. [7r: Png]

1642. Macalister, A. Contributions toward the formation of a correct system of muscular homologies. *Ann. Mag. nat. Hist.*, 1868, (4), 1, 313–322. [+ C-p Pp Mc Mndr Ceb Atl Hap Nyct-c]

1643. Pira, A. Beiträge zur Anatomie des Gorilla. Vergleichend-anatomische Studien. I. Das Extremitätenmuskelsystem. *Gegenbaurs Jb.*, 1913, **47**, 309–354. [1f: Gr]

1644. Pira, A. Beiträge zur Anatomie des Gorilla. Vergleichend-anatomische Studien. I. Das Extremitätenmuskelsystem. *Gegenbaurs Jb.*, 1914, **48**, 167–238. [3f-r: Gr]

1645. Primrose, A. The anatomy of the orang outang (*Simia satyrus*). An account of some of its external characteristics: and the myology of the extremities. *Trans. Canad. Inst.*, 1898–99, **6**, 507–598, pls. 3–6 & 6 pls. [nr: Png]

1646. Primrose, A. The anatomy of the orang outang. *Univ. Toronto Stud. Anat.*, 1900, no. 1, 94 pp., 10 pls. [nr: Png]

1647. Senft, Max. *Myologie der Vorderextremitäten von Hapale jacchus, Cebus macrocephalus und Ateles ater*. Inaug.-Diss. (Phil.) Bern, Ambruster, Söhne, 1907, 42 pp., 21 pls. [42r: Ceb Atl Hap]

1648. Sullivan, W. E. & Osgood, C. W. The musculature of the superior extremity of the orang-utan, *Simia satyrus*. *Anat. Rec.*, 1927, **35**, 193–239. [11f: Png]

See also: 170, 179, 194, 245, 1501, 1503, 1507, 1523, 1529, 1582, 1595, 1597, 1653, 3963.

MUSCLES OF SHOULDER & ARM

1649. Campbell, B. The shoulder musculature of the platyrrhine monkeys. *J. Mammal.*, 1937, **18**, 66–71. [1f-7r: Aot Saim Ceb Lag Atl Al Oed-m]

1650. Grönroos, H. Ueber zwei Oberarmmuskeln bei der Gattung *Hylobates*. *S. B. Ges. naturf. Fr. Berl.*, 1902, 245–252. [Hyl]

1651. Grönroos, H. Die Musculi biceps brachii und latissimo-condyloideus bei der Affengattung *Hylobates* im Vergleich mit den entsprechenden Gebilden der Anthropoiden und des Menschen. *Abh. preuss. Akad. Wiss.*, 1903, Anhang no. 1, 102 pp., 3 pls. [nr: Hyl]

1652. Howell, A. B. & Straus, W. L., Jr. The brachial flexor muscles in primates. *Proc. U. S. nat. Mus.*, 1931, **80**, no. 13, 31 pp., 2 pls. [nr: Pn Hyl Prsb C-p Mc Pp Aot Saim Ceb Atl Al Nyct-c Prdct Glg Daub Tars]

1653. Miller, Ruth A. Evolution of the pectoral girdle and fore limb in the primates. *Amer. J. phys. Anthropol.*, 1932, **17**, 1–56.

[10pl-r: Gr Pn Png Hyl C-p Mc Pp Ceb Lag Atl Lm Glg Tars]

See also: 144, 187, 309a, 923, 1506, 1606.

MUSCLES OF FOREARM & HAND

1654. Bischoff, [T. L. W.] Ueber die kurzen Muskeln des Daumens und der grossen Zehe. *S. B. bayer. Akad. Wiss.*, 1870, (1), 303–316, 1 pl. [+ Gr Pn Png Hyl C-p Mc Pp Mndr]

1655. v. Bischoff, [T. L. W.] Ueber die Bedeutung des Musculus Extensor indicis proprius und des Flexor pollicis longus der Hand des Menschen und der Affen. *S. B. bayer. Akad. Wiss.*, 1880, **10**, 485–496. [++ Gr Png Affe]

1656. Brooks, H. St. J. On the morphology of the intrinsic muscles of the little finger, with some observations on the ulnar head of the short flexor of the thumb. *J. Anat., Lond.*, 1886, **20**, 645–661, pl. 21. [+ Pn Png Clb Mc Pp Hap]

1657. Brooks, H. St. J. On the short muscles of the pollex and hallux of the anthropoid apes, with special reference to the opponens hallucis. *J. Anat., Lond.*, 1887, **22**, 78–95, pl. 3. [Pn Png Hyl]

1658. Chylewski, W. Głowa łokciowa m. nawrotnego obłego (m. pronator teres) w szeregach naczelnych. (Über das Vorkommen des Caput ulnare des M. pronator teres in der Primatenreihe.) *C. R. Soc. Sci. Varsovie, Cl. 3*, 1926, **19**, 367–375. [29r-Gr. abstr: Pn Png Hyl Prsb Mc Lm]

1659. Fitzwilliams, D. C. L. The short muscles of the hand of the agile gibbon (*Hylobates agilis*), with comments on the morphological position and function of the short muscles of the hand of man. *Proc. roy. Soc. Edinb.*, 1910, **30**, 202–218, 2 pls. [Hyl]

1660. Forster, A. Die Mm. contrahentes und interossei manus in der Säugetierreihe und beim Menschen. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1916, 101–378, pls. 1–6. [++ 76f-141r: Gr Pn Png Hyl Prsb C-p Ceb Atl Lm Nyct-c Prdct Glg]

1661. Forster, A. Contribution à l'évolution du pouce. II. Chez *Hylobates leuciscus*. III. Chez *Perodicticus potto*. *Arch. Anat., Strasbourg*, 1933, **16**, 215–230, 339–355. [9f: Hyl Prdct]

1662. Forster, A. La "pince palmaire" et la "pince plantaire" de *Perodicticus potto*. Étude d'adaptation squelettique et musculaire. *Arch. Anat., Strasbourg*, 1934, **17**, 181–246. [21f-nr: Prdct]

1663. Hepburn, D. A revised description of the dorsal interosseous muscles of the human

hand, with suggestions for a new nomenclature of the palmar interosseous muscles and some observations on the corresponding muscles in anthropoid apes. *Trans. roy. Soc. Edinb.*, 1896, **38**, 557-565, 1 pl. [+ Gr Pn Png Hyl]

1664. **Kajava, Y.** Die kurzen Muskeln der Halbaffenhand. Vergleichend-anatomische Untersuchungen. *Voeltzkows Reise in Ostafrika: Wiss. Ergebn.*,* 1911, **4**, 353-382, 1 pl.
[2f: Lm Hp-l Pr-p Indr Lor Nyct-c
Prdct Glg Daub Tars]

1665. **Keith, A.** Notes on a theory to account for the various arrangements of the flexor profundus digitorum in the hand and foot of primates. *J. Anat., Lond.*, 1894, **28**, 335-339.
[1f: Gr Pn Png Hyl Nyct-c]

1666. **Koster, W.** Affen- und Menschenhand. *Versl. Akad. Wet. Amst., Afd. Natuurk.** 1880, (2), **15**, 179-185. [Gr Pn Png C-p]

1667. **Laugier, P.** Le rond pronateur. Ses rapports avec le foramen supracondyloideum. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1933, **16**, 93-134. [++ 16f-1t: Pn
Png Hyl Pp Ceb Atl Lm Prdct]

1668. **McMurrich, J. P.** The phylogeny of the forearm flexors. *Amer. J. Anat.*, 1903, **2**, 177-209. [+ 13f-17r: Png Mndr Ceb]

1669. **Ribbing, L. & Hermansson, K.** Kleinere Muskelstudien. III. Die distale Extremitätenmuskulatur eines Schimpansen. *Acta. Univ. Lund.*, 1912, n.f., **8**, Afd. 2, no. 3, 10 pp. [r: Pn]

1670. **Testut, L.** Le long fléchisseur propre du pouce chez l'homme et chez les singes. *Bull. Soc. zool. Fr.*, 1883, **8**, 164-185, pl. 9.

1671. **Windle, B. C. A.** On the adductor muscles of the hand. *Proc. Bgham. nat. Hist. Soc.*, 1887, **5**, 377-397. [+ 1t-4r]

1672. **Windle, B. C. A.** A note on the extensor tendons of the manus of apes. *Proc. Bgham. nat. Hist. Soc.*, 1887, **6**, 22-25. [1t: Gr Pn
Png Hyl C-p C-c Mc Pp Mndr Pith
Ceb Hap Leon-c]

1673. **Windle, B. C. A.** The flexors of the digits of the hand. I. The muscular masses in the fore-arm. *J. Anat., Lond.*, 1889, **24**, 72-84.
[+ 4t: Png C-p Mc Mndr Ceb Hap
Leon-c Nyct-c]

See also: 899, 1692, 1706, 1757, 2379, 2486a.

MUSCLES OF THE HIP & THIGH

1674. **Alezais, [H.]** Le muscle petit fessier. *C. R. Soc. Biol., Paris*, 1902, **54**, 771-773. [Mc Lm]

1675. **Alezais, [H.]** Les adducteurs du maki. *C. R. Soc. Biol., Paris*, 1904, **56**, 537-539. [Lm]

1676. **Appleton, A. B.** The gluteal region of *Tarsius spectrum*. *Proc. Camb. phil. Soc.*, 1921, **20**, 466-474. [3t: Lm Tars]

1677. **Appleton, A. B.** The muscles and nerves of the post-axial region of the tetrapod thigh. Part II. *J. Anat., Lond.*, 1928, **62**, 364-400, 401-438. [+ 15f-62r]

1678. **Bluntschli, H.** Die Fascia lata und ihre Bedeutung für die Umbildung des Gefäßapparates an der unteren Gliedmasse in der Primatenreihe. *Anat. Anz.*, 1913, **44**, ErgH., 43-66. [++ 11f: Pn Png Prsb C-p Mc Pp
Ceb Hap Lm Nyct-c]

1679. **Bolk, L.** Über eine Variation des kurzen Kopfes des Biceps femoris beim Orang. Ein Beitrag zur Morphologie dieses Muskels. *Morph. Jb.*, 1898, **26**, 274-281. [1f: Png]

1680. **Corsy.** Le quadriceps fémoral des singes. *C. R. Soc. Biol., Paris*, 1908, **64**, 779-780. [+ C-p Mc Pp Lm]

1681. **Forster, A.** Die Insertion des Musculus semimembranosus. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1903, 257-320, pls. 13-14. [++ 5t-55r: Pn Png Hyl C-p Mc Ceb
Atl Hap Leon-c Lm]

1682. **Haughton, S.** Notes on animal mechanics. No. VIII.—Further comparison of the hip joint and knee joint muscles in the *Cercopithecus*, *Cynocephalus*, and *Macacus*. *Proc. R. Irish Acad.*, 1865 [1867], **9**, 287-294. [nt: C-p Mc Pp]

1683. **Jamieson, E. B.** The gluteal and femoral muscles, with their nerve supply, in a marmoset (*Hapale jacchus*). *Proc. R. phys. Soc. Edinb.*, 1904, **15**, 168-194. [19r: Hap]

1684. **Jazuta, K.** M. scansorius autorum in der Primatenreihe. *Z. Anat. EntwGesch.*, 1932, **97**, 588-609. [13f-r: Pn Png C-p
Ery-c Mc Pp Mndr Ceb Atl Hap Lm]

1684a. **Klaatsch, H.** Über den Arcus cruralis. *Anat. Anz.*, 1888, **3**, 679-686. [++ 3f: C-p Mndr Hap Lm]

1685. **Klaatsch, H.** Der kurze Kopf des Musculus biceps femoris. Seine morphologische und stammesgeschichtliche Bedeutung. *S. B. preuss. Akad. Wiss.*, 1900, (2), 852-858. [++ 2f: esp. Atl Al]

1686. **Klaatsch, H.** Der kurze Kopf des Musculus biceps femoris und der Tenuissimus. Ein stammesgeschichtliches Problem. *Morph. Jb.*, 1900, **29**, 217-281, pls. 13-14. [+++ 42r: Gr Pn Png Hyl Prsb Clb
C-p Mc Aot Ceb Lag Atl Al Hap
Oed-m Leon-c Lm Mcr-c Chrg. Lor Nyct-c
Arct-c Glg Tars]

1687. **Kleinschmidt, A.** Der musculus scansorius des Orangs. *Falco*, 1928, **24**, 4-5. [++ Png]

1688. Kolesnikow, W. W. Zur vergleichenden Anatomie des M. glutaebiceps bei Säugetiere. *Z. Anat. EntwGesch.*, 1933, 99, 538–570.

[+ 21f-6t: Mc]

1689. de Pina, L. Observations sur l'insertion inférieure du muscle sartorius chez les Portugais. *Ann. Anat. path. méd.-chir.*, 1930, 7, 789–794.

[+ 1f]

1689a. de Pina, L. A pata de ganço no homem e nos primates. 15th. Cong. int. *Anthrop. Archéol. préhist., Portugal*, 1930 [1931], 73–78.

[1f: Gr Png Pn Hyl Prsb Clb C-p Mc Pp Ceb Lag Hap Lm]

1690. Ranke, K. Muskel- und Nervenvariationen der dorsalen Elemente des Plexus ischiadicus der Primaten. *Arch. Anthrop., Braunschw.*, 1897, 24, 117–144, pls. 1–2.

[1f-7t: Gr Pn Png Hyl C-p Ery-c Mc Pp Ceb Lm]

1690a. Riska, N. Om glutealregionens muskler hos Primates. (Über die Muskeln der Glutaeal-region bei den Primates.) *Finska LäkSällsk. Handl.*, 1936, 79, 637–658. Engl. abstr.: *Acta Inst. anat. Univ. Helsingf.*, 1937, 8.

[4f-Finn. with Gr. abstr.: Pn Hyl Prsb C-p Mc Pp Saim Ceb Atl Al Hap Lm Lp-l Hp-l Pr-p Indr Daub Lor Nyct-c Prdct Glg]

1691. Schumacher, O. & Lebzelter, V. Zur Kenntnis der Oberschenkelmuskulatur bei *Mormon sphinx* L. *Z. Anat. EntwGesch.*, 1924, 71, 282–303.

[7f: Mndr]

1692. Sutton, J. B. On the nature of ligaments. Part. V. *J. Anat., Lond.*, 1888, 22, 542–553.

[+ 3f: Pn Hyl C-p C-c Mc Cyn-p Aot Ceb Hap Lm Prdct Daub]

1693. Vallois, H. V. La formation progressive du biceps crural chez les anthropoïdes et chez l'homme. *C. R. Soc. Biol., Paris*, 1920, 83, 383–385.

[Gr Pn Png Hyl]

1693a. Zielińska, H. (Anthropomorphologie des M. glutaicus maximus.) *Folia morph., Warszawa*, 1936–37, 7, 84–113. Gr. abstr.: 112–113.

[+++ 11f-t-r-Polish: Gr Pn Png Hyl Symph Prsb C-p Mc Thr-p Pp Saim Ceb Atl Hap Leon-c Lm]

See also: 318, 899, 930, 938, 958, 959, 1590, 1607, 1665.

MUSCLES OF LEG & FOOT

1694. Brühl, C. B. Myologisches über die Extremitäten des Schimpanse; ein kleiner anatomischer Beitrag zur Diskussion der Verwandtschaft zwischen dem Menschen und den anthropoiden Affen. *Wien. med. Wschr.*, 1871, 21, col. 4–8, 52–55, 78–82.

[1f-nr: Pn]

1695. Forster, A. Der M. extensor tarsi (Peronaeus tertius?) bei *Hapale jacchus*. *Anat. Anz.*, 1916, 49, 257–276.

[++ 5f: Hap]

1696. Forster, A. Zur Anatomie des Flexor brevis digiti quinti "proprius" pedis und des Flexor brevis digiti quinti "interosseus" pedis. Ein Beitrag zur Homologie des Kleinfinger- und Kleinzeheballens. *Anat. Anz.*, 1917, 50, 129–146.

[++ 12f: Lm Nyct-c Prdct Glg]

1697. Frets, G. P. Die Varietäten der Musculi peronaei beim Menschen und die Mm. peronaei bei den Säugetieren. Ein morphologischer Beitrag. I. Teil. *Ned. Bijdr. Anat.*, 1907, 4, 545–586.

[+++ 8f-nr: Gr Pn Png Hyl Prsb C-p Mndr Ceb Lor Nyct-c Tars]

1698. Frets, G. P. Der M. peronaeus digiti V superior beim Menschen. *Gegenbaurs Jb.*, 1911, 42, 699–714.

[+++ 5f: Ery-c Mc Aot Pith Saim Ceb Atl Al Hap Oed-m Lm Nyct-c]

1699. Frey, H. Der Musculus triceps surae in der Primatenreihe. *Gegenbaurs Jb.*, 1913, 47, 1–191.

[84f-12t-vnr: Gr Pn Png Hyl Symph Prsb C-p C-c Mc Pp Mndr Atl Ceb Hap Lm Nyct-c Glg]

1700. Glaesmer, Erna. Untersuchung über die Flexorengruppe am Unterschenkel und Fuss der Säugetiere. *Morph. Jb.*, 1908, 38, 36–90, pl. 5–6.

[++ 1f-47r: Pn Png Hyl C-p Mc Pith Atl Hap Lm Nyct-c Prdct Glg]

1701. Glaesmer, Erna. Die Beugemuskeln am Unterschenkel und Fuss bei den Marsupialia, Insectivora, Edentata, Prosimiae und Simiae. *Gegenbaurs Jb.*, 1910, 41, 149–336, pls. 2–4.

[++ 36f-t-nr: see 1700]

1702. Gruber, W. Vorläufige Anzeige über das Vorkommen des Musculus peroneo-tibialis auch bei den Quadrumana. *Bull. Acad. Sci. St-Petersb.*, 1879, 25, 97.

1703. Gruber, W. Über den neuen und constanten Musculus peroneo-tibialis bei den Quadrumana. In: *Beobachtungen aus der menschlichen und vergleichenden Anatomie*. Berlin: A. Hirschwald, 1879, Heft 1, 60–75, pls. 4–5.

[C-p Mc Pp Ceb Hap Lor Nyct-c]

1703a. Gruber, W. Fortsetzung der Untersuchungen über das Vorkommen oder den Mangel des Musculus peroneo-tibialis bei den Thieren, welchen ich bis dahin beim Menschen "anormal," bei den Quadrumana "constant" und bei den Canina "normal" angetroffen hatte. In: *Beobachtungen aus der menschlichen und vergleichenden Anatomie*. Berlin: A. Hirschwald, 1879, Heft 2, 79–88, pl. 5.

[Pn]

1704. Halford, George Britton. *Not like a man bimanous and biped, nor yet quadrumanous, but cheiropodous*. Melbourne: Wilson & Mackinnon, 1863, 18 pp., 4 pls.

[+++ Mc]

1705. Hecker, P. Formation du péronier antérieur chez un chimpanzé. *Arch. Anat., Strasbourg*, 1922, 1, 145–155.

[1f-32r: Pn]

1705bis. Koszla, M. M. Antropomorfologia m. piszczelowego przedniego (*m. tibialis anterior*). (Anthropomorphologie des *M. tibialis anterior*.) *C. R. Soc. Sci. Varsovie, Cl. 4.*, 1937, 30, 110-134. Gr. abstr., 131-134.

[+++ 2f-t-60r: see no. 1693a.]

1705a. Kurz, [E.] Untersuchungen zur Anatomie der Weichteile beim Chinesen unter Berücksichtigung des Verhaltens bei den Affen. *Z. Anat. EntwGesch.*, 1923, 67, 232-285. [+ 20f-vnr]

1706. Leboucq, H. Les muscles adducteurs du pouce et du gros orteil. *Arch. Biol., Paris*, 1895, 13, 41-59. [++ 6f-r]

1707. Loth, E. Die Plantaraponeurose beim Menschen und den übrigen Primaten. *KorrespBl. dtsh. Ges. Anthropol.*, 1907, 38, 169-172. [+++ 14f: Gr Pn Png Hyl C-p Mc Pp Lm Glg]

1708. MacKenzie, D. W., Jr. The mechanism of the lemurine foot. *Trans. roy. Soc. Can.*, 1931, (3), 25, sect. 5, 45-57. [7f: Lm Prdct]

1709. McMurrich, J. P. The evolution of the human foot. *Amer. J. phys. Anthropol.*, 1927, 10, 165-171. [3f-22r]

1710. Morton, D. J. The peroneus tertius muscle in gorillas. *Anat. Rec.*, 1924, 27, 323-328. [2f: Gr]

1711. Retterer, É. & Lelièvre, A. Du tendon réfléchi du long péronier latéral du chimpanzé. *C. R. Soc. Biol., Paris*, 1912, 72, 154-156. [Pn]

1712. Ribbing, L. Die Unterschenkel- und Fussmuskulatur der Tetrapoden und ihr Verhalten zu der entsprechenden Arm- und Handmuskulatur. *Acta. Univ. lund.*, Afd. 2, 1909, 5, no. 5, 158 pp. [+ 37f-vnr: C-p C-c Mc Pp Ceb Atl Hap Lm Lp-l Tars]

1713. Rosenfeld, M. C. Zur vergleichenden Anatomie des *Musculus tibialis posticus*. *Arb. anat. Inst., Wiesbaden*, 1898, 11, 359-390, pls. 28-29. [+ 16r: C-p Mc Pp Ceb Atl Lm Nyct-c]

1714.* Rothschuh, Ernst. Ueber die Fussmuskeln der Primaten und des Menschen. Eine vergleichend-anatomische Studie. Inaug.-Diss. München. Aachen: J. La Ruelle, 1888, 50 pp., 1 pl.

1715. Ruge, G. Untersuchung über die Extensorengruppe am Unterschenkel und Fusse der Säugethiere. *Morph. Jb.*, 1878, 4, 592-643, pls. 32-35. [+ Png Prsb C-p Mc Ceb Atl Lor]

1716. Ruge, G. Zur vergleichenden Anatomie der tiefen Muskeln in der Fusssohle. *Morph. Jb.*, 1878, 4, 644-659, pls. 34-35. [++ Png C-p Mc Ceb Atl Lor]

1717. Sawalischin, Marie. Der *Musculus flexor communis brevis digitorum pedis* in der Primatenreihe mit spezieller Berücksichtigung der menschlichen Varietäten. Eine vergleichend-

morphologische und anthropologische Untersuchung. *Gegenbaurs Jb.*, 1911, 42, 557-663.

[+++ 53f-5t-r: Gr Pn Png Hyl Symp Prsb Clb C-p Ery-c C-c Mc Pp Saim Ceb Al Hap Lm Nyct-c Glg]

1718. Schulze, F. E. Myologische Untersuchungen. I. Die Sehnenverbindung in der Planta des Menschen und der Säugethiere. *Z. wiss. Zool.*, 1866, 17, 1-22, pls. 1-3. [+ Hyl C-p Pp Saim Ceb Atl Hap Myst Nyct-c]

1719. Straus, W. L., Jr. The foot musculature of the highland gorilla (*Gorilla beringei*). *Quart. Rev. Biol.*, 1930, 5, 261-317.

[27f-4t-vnr: Gr Pn Png Hyl Mc Prsb Ceb Hap Glg]

1720. Ströde, G. Die Skeletotopie gewisser Zehensehnen bei Menschen und einigen Affen. *Anat. Anz.*, 1937, 85, 158-168.

[+++ 3t-7r: Pn Clb C-p Al Hap Lor]

1721. Thomson, W. The transversalis pedis in the foot of the gorilla. *Aust. med. J.*, 1864, 9, 15-24. [Gr]

1722. Tricot, Charles. *Parallèle anatomique des muscles extenseurs du pied chez l'homme et chez les singes*. Thèse (Med.) Bordeaux, A. Bellier, 1884, 52 pp., 8 pls.

[++ Gr Pn Png Hyl]

1723. Weinberg, E. Une anomalie musculaire chez *Macacus rhesus*. *Arch. Anat., Strasbourg*, 1928, 8, 483-488. [1f: Mc]

1724. Wells, L. H. A peroneus tertius muscle in a Chacma baboon (*Papio porcarius*). *J. Anat., Lond.*, 1935, 69, 508-514. [2f: Pp]

1725. Winckler, G. La morphogénèse de la chair carrée de Sylvius. *Arch. Anat., Strasbourg*, 1929, 9, 309-341. [++ 9f: Pn Png Hyl C-p Mc Ceb Atl Hap Lm Lor Prdct]

See also: 181, 317, 318, 319, 782, 901, 968, 975, 976, 985, 1654, 1657, 1662, 1669, 1690, 2486a.

THE SKIN & ITS APPENDAGES

THE SKIN

1726. Adachi, B. Hautpigment beim Menschen und bei den Affen. *Z. Morph. Anthropol.*, 1903, 6, 1-131, pls. 1-3. [++ 47r: Pn Png Hyl Prsb C-p Mc Pp Mndr Saim Ceb Atl Al Hap Leon-c Lm]

1727. Beddard, F. E. On the carpal organ in the female *Hapalemur griseus*. *Proc. zool. Soc. Lond.*, 1902, (2), 158-163. [4f: Hp-l]

1728. Bolcek, L. Prispavok ku kožnej pigmentaciji fetu gorily. *Bratislavske lekárs. List.*, 1932, 12, 614-616. [Gr]

1729. Branca, A. Crêtes papillaires et bourgeons épidermiques. *C. R. Soc. Biol., Paris*, 1903, 55, 1553-1554. [+++ Lm]

1730. Brinkmann, A. Ueber das Vorkommen von Hautdrüsenorganen bei den anthropomorphen Affen. *Anat. Anz.*, 1909, 34, 513-520.

[6f: Pn Png Hyl]

1731. Brinkmann, A. Nachlese zu meinen Hautdrüsenuntersuchungen. *Bergens Mus. Aarb.*, 1923-24, no. 3, 36 pp., 1 pl.

[+ 2f-1t-20r: Pn Png]

1732. Brinkmann, A. Ein paar Bemerkungen zu den neusten Untersuchungen der Hautdrüsen bei den anthropomorphen Affen. *Anat. Anz.*, 1926, 62, 236-237.

[Gr Pn Png C-p-id]

1732a. Brugi, G. Sulla presenza di particolari apparecchi anulo-spirali avvolgenti i tronchicini nervosi dei cinocefali (*Cynocephalus hamadryas*). *Atti Accad. Fisiocr. Siena, Sez. med.-fis.*, 1937, 5, 13-14. Also: *Boll. Soc. ital. Biol. sper.*, 1937, 12, 263-264, 1 pl.

[Pp]

1733. Forbes, J. Some notes on the coloration of baboon skin. *Anat. Rec.*, 1936, 65, 51-54.

[4f-4r: Pp]

1734. van Gelderen, J. J. Einige Mitteilungen über das Achselhöhlenorgan des Chimpanse. *Anat. Anz.*, 1926, 61, 407-409.

[Pp]

1735. Hartig, Rolf. *Vergleichende Untersuchungen über die Lippen- und Backendrüsen der Haussäugetiere und des Affen*. Inaug.-Diss. (Vet.-Med.) Zürich. Leipzig: Otto Franke, 1907, iv, 79 pp.

[+ 8f-39r: Mc]

1735a.* Hasskó, A. (Beiträge zum Bau und zur Pigmentation der Haut des Orang-Utan aus Sumatra.) *Természet*, 1932, 11, 1-8.

[Hungarian: Png]

1736. Heidenhain, M. Über die gegenseitige Entsprechung von Epidermis- und Coriumleisten an der Beugefläche von Hand und Fuss beim Affen und Menschen. *Arch. anat. Inst., Wiesbaden*, 1906, 30, 419-431, pl. 18.

[+ 2f: Pp]

1737. Hülgenhof, F. & Paulicki, A. Abnorme Pigmentflecke in der Haut bei einem weiblichen Schimpanse (*Simia troglodytes*). *Virchows Arch.*, 1871, 52, 297-300, pl. 4.

[Pn]

1737a. Imschenetzky, A. Über cutane Melanoblaster in der Haut der Affen und des Menschen. *Arch. Derm. Syph., Wien*, 1930, 162, 279-299.

[+++ 9f-1t-16r: Pn Png Clb C-p Mc Pp Cal-c Ceb Atl Al]

1738. Klaar, J. Über die axillaren Knäueldrüsen der Affen. *Z. Anat. EntwGesch.*, 1924, 72, 609-627.

[4f-r: Png Hyl C-p Mc Pp Ceb Atl Hap Leon-c Lm Mcr-c Lor Nyct-c]

1739. Krause, Richard. *Beiträge zur Kenntnis der Haut der Affen*. Inaug.-Diss. (Med.) Berlin, G. Schade (Otto Franke), 1888, 30 pp., 1 pl.

[Gr Png Hyl Mc Pp Lm Lor]

1739a. Kuriki, S. Quantitative Untersuchung der Schweissdrüse der Handteller- und Fusssohlen-

haut bei einem Affen. *Folia anat. japon.*, 1937, 15, ErgBd., 129-143.

[4t-22r: Mc]

1740. Okajima, K. & Kanaizuka, Z. Quantitative Untersuchung des Haarbalgmuskels bei den Säugetieren. *Folia anat. japon.*, 1929, 7, 185-202. Also: *Proc. imp. Acad. Japan*, 1929, 5, 216-218.

[+ 14t: Mc]

1741. Okajima, K. & Kanaizuka, Z. Die Morphologie des Haarbalgmuskels bei den Säugetieren. *Folia anat. japon.*, 1929, 7, 445-456.

[+ 12f: Mc]

1742. Retterer, É. Pigmentogenèse dans les tissus d'un foetus de *Macacus rhesus*. *C. R. Soc. Biol., Paris*, 1915, 78, 358-362.

[Mc]

1743. Schiefferdecker, P. Über das Auftreten der elastischen Fasern in der Tierreihe, über das Verhalten derselben in der Wangenhaut bei verschiedenen Menschenrassen und über Bindegebe und Sprache. *Arch. mikr. Anat., Abt. 1*, 1921, 95, 134-185, pls. 7-12.

[+ nr: C-p]

1744. Schiefferdecker, P. Die Hautdrüsen des Menschen und der Säugetiere, ihre biologische und rassenanatomische Bedeutung, sowie die Muscularis sexualis. *Zoologica, Stuttgart*, 1922, 27, Heft 72, 154 pp., 8 pls.

[+ 1f-vnr: C-p Mndr]

1745. Schultz, A. H. The occurrence of a sternal gland in orang-utan. *J. Mammal.*, 1921, 2, 194-196, pl. 14.

[Png]

1746. Schwarz, W. Die Sternaldrüse bei den Klammeraffen, *Ateles*. Ein Beitrag zum Problem der Konzentrierung niederer Einheiten zu höheren organähnlichen Gebilden. *Gegenbaurs Jb.*, 1937, 79, 600-633.

[22f-nr: Atl]

1746a. Sestini, F. Sulla terminazione dei dotti ghiandolari del derma sottoungueale in cinocefalo. *Atti Accad. Fisiocr. Siena, Sez. med.-fis.*, 1936, (11), 4, 183-189, 1 pl.

[Pp]

1747. Shattock, S. G. Lamarckism and callosities. *Proc. R. Soc. Med.*, 1911, 4, (3), (Pathol.), 279-312.

[+ 10f: Hyl Mc Pp]

1748. Sutton, J. B. On the arm-glands of the lemurs. *Proc. zool. Soc. Lond.*, 1887, 369-372.

[3f: Lm Hp-l Chrg]

1748a. Terebinsky, W. J. Contribution à l'étude de la structure histologique de la peau chez les singes. *Ann. Derm. Syph., Paris*, 1908, (4), 9, 692-704.

[3f-2t-9r: Pn C-p Mc Pp]

1748b.* Tachibana, O. Über die circumanalen Drüsen und insbesondere die freien Talgdrüsen des Menschen und einiger Affen. *Kaibo. Z., Tokyo*,* 1936, 9, 238-294, 16 pls. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1938, 7, (129)-(130).

[++ Jap.: Png Hyl Prsb C-p C-c Mc Cyn-p Pp Aot Cal-c Ceb Lag Hap Lm Tars]

1749. Toldt, K., Jr. Über Hautzeichnung bei dichtbehaarten Säugetieren, insbesondere bei Primaten, nebst Bemerkungen über die Oberflächen-

profilierung der Säugetierhaut. *Zool. Jb.*, *Abt. 1*, 1913, **35**, 271-350, pls. 9-12.

[++ 3f-nr: Png Prsb C-p Mc Pp Ceb Atl Al Lm]

1750. Toldt, K., Jr. Über die flächenhafte Verbreitung der Pigmente in der Haut bei Menschen und Affen. *Mitt. anthropol. Ges. Wien.*, 1921, **51**, 161-183.

[++ 4f-5pl: Png Prsb C-p Ery-c C-c Mc Thr-p Pp Mndr Ceb Atl Lm]

1751. Wislocki, G. B. A study of scent glands in the marmosets, especially *Oedipomidas Geoffroyi*. *J. Mammal.*, 1930, **11**, 475-483, pls. 22-24.

[Hap Myst Oed-m]

1752. Wislocki, G. B. & Schultz, A. H. On the nature of modifications of the skin in the sternal region of certain primates. *J. Mammal.*, 1925, **6**, 236-244, pl. 22.

[Png Atl]

1753. Yoshioka, K. Quantitative Untersuchung der Anhangsorgane der Haut bei einem Affen. *Folia anat. japon.*, 1936, **14**, 545-602.

[87t-10r: Mc]

See also: 198, 244, 245, 255, 309a, 327, 555a, 688, 1761, 1787, 1789, 2890.

EPIDERMAL RIDGES, PADS, &c.

1754. Alix, [E.] Recherches sur la disposition des lignes papillaires de la main et du pied, précédées de considérations sur la forme et les fonctions de ces deux organes. *Ann. Sci. nat., Zool.*, 1867, (5), **8**, 295-362; 1868, (5), **9**, 5-42, pls. 2-5.

[+++ Gr Pn Hyl Png Prsb Clb C-p Mc Pp Ceb Atl Hap Lm Nyct-c]

1755. Bychowska, M. O przebiegu listewek skórnych na dloniach u naczelnych. (Le parcours des lignes papillaires de la paume chez les primates.) *Folia morph., Warszawa*, 1930, **2**, 69-121. Fr. abstr.: pp. 116-121.

[nr: Gr Pn Png Symp Prsb Clb C-p C-c Mc Thr-p P-p Saim Ceb Lag Atl Hap Leon-c Lm Mcr-c Chrg Pr-p Indr Lor Glg Daub]

1756. Combes, P. Chiromancie de l'orang-outang. *Cosmos, Paris*, 1908, n.s., **59**, 423-427.

[4f: Png]

1756a. Cummins, H. & Spragg, S. D. S. Dermatoglyphics in the chimpanzee: description and comparison with man. *Hum. Biol.*, 1938, **10**, 457-509, 1 pl.

[3f-25t-nr: Pn]

1757. Hepburn, D. The integumentary grooves on the palm of the hand and the sole of the foot of man and the anthropoid apes. *J. Anat., Lond.*, 1892, **27**, 112-127, pls. 7-9.

[+++ Gr Pn Png Hyl]

1758. Hepburn, D. The papillary ridges on the hands and feet of monkeys and men. *Sci. Trans. R. Dublin Soc.*, 1895, (2), **5**, 525-538, pls. 45-49.

[+++ 2f: C-c Mc Cyn-p Pp Mndr Atl]

1759. Hepburn, D. Note on Dr. Harris H. Wilder's paper, "On the disposition of the epidermic folds upon the palms and soles of primates." *Anat. Anz.*, 1897, **13**, 435-437.

1760. Kidd, W. Exhibition of a drawing of, and remarks upon, the extensor surface of the hand of a chimpanzee. *Proc. zool. Soc. Lond.*, 1904, (2), 263-264.

[Pn]

1761. Kidd, Walter. *The sense of touch in mammals and birds, with special reference to the papillary ridges*. London: A. & C. Black, 1907, viii, 176 pp.

[+ 164f: Gr Pn Png Hyl C-p C-c Mc Cyn-p Pp Saim Ceb Myst Hap Lm Nyct-c Glg]

1762. Klaatsch, H. Zur Morphologie der Tastballen der Säugethiere. *Morph. Jb.*, 1888, **14**, 407-435, pls. 17-18.

[+ 17r: Pp Mndr Aot Al Hap Leon-c Lor]

1763. Kollmann, A. Der Tastapparat des Fusses von Affe und Mensch. *Arch. Anat. Physiol., Lpz.*, *Anat. Abt.*, 1885, 56-101, pls. 3-5.

[++ Gr Pn Png C-c Mc Lm Prdct Daub]

1764. Kolosoff, G. & Paukul, E. Versuch einer mathematischen Theorie der Hautleistenfiguren der Primaten-Palma und -Planta. *Morph. Jb.*, 1906, **35**, 697-708.

[+ 7f]

1765. Mohnike, O. Ueber das Vermögen verschiedener Säugethiere sich mittels des atmosphärischen Druckes an glatten, mehr oder weniger senkrechten Flächen festhalten und aufwärts bewegen zu können. *Z. wiss. Zool.*, 1879, **32**, 388-406.

[1f: C-c Mc]

1765a. Morselli, E. Sulla disposizione delle linee papillari nella mano e nel piede del *Cercopithecus mona*. *Annu. Soc. Nat. Modena*, * 1874, 119-127, pl. 5.

[C-p]

1766. Purkinje, Joannes Evangelista. *Commentatio de examine physiologico organi visus et systematis cutanei*. Inaug.-Diss. (Med.) Vratislaviae, Typis Universitatis, 1823, 58 pp., 1 pl.

[+ Mc Atl]

1767. Schlaginhaufen, O. Das Hautleistensystem der Primatenplanta unter Mitberücksichtigung der Palma. *Morph. Jb.*, 1905, **33**, 577-671.

[194f: Gr Pn Png Hyl Symp Prsb Clb C-p Ery-c C-c Mc Cyn-p Pp Mndr Saim Ceb Atl Al Hap Lm Lor Nyct-c Glg Tars]

1768. Schlaginhaufen, O. Das Hautleistensystem der Primatenplanta unter Mitberücksichtigung der Palma. *Morph. Jb.*, 1905, **34**, 1-125.

[194f-nt: see 1767]

1769. Schlaginhaufen, O. Über das Leistensystem der Hohlhand- und Fusssohlen-Fläche der Halbaffen, Affen und Menschenrassen. *Ergebn. Anat. EntwGesch.*, 1905, **15**, 628-662.

[++ 14f-t-vnr: Hyl Prsb C-p Mc Pp Ceb Lm Lor]

1770. Schlaginhaufen, O. Beiträge zur Kenntnis des Reliefs der Planta der Primaten und der Menschenrassen. *Korresp. Bl. dtsh. Ges. Anthropol.*, 1905, 36, 123-126. [+++ 9f-1t: Hyl Clb Mc Pp Lor Lm]

1771. Whipple, Inez L. The ventral surface of the mammalian chirodium, with special reference to the conditions found in man. *Z. Morph. Anthropol.*, 1904, 7, 261-368, pls. 5-6. [+ 54f-22r: Pn Png Mc Ceb Lag Hap Leon-c Lm Nyct-c Glg]

1772. Wilder, H. H. On the disposition of the epidermic folds upon the palms and soles of primates. *Anat. Anz.*, 1897, 13, 250-256. [++ 7f: Mc Ceb]

1773. Wilder, H. H. The phylogeny of the human foot; the testimony presented by the configuration of the friction ridges. *Z. Morph. Anthropol.*, 1924, 24, 111-124. [+ 31f: Gr]

1774. Wilson, E. T. [The hand of man, with special reference to fingerprints.] The annual address of the President of the Cheltenham Natural Science Society. *Proc. Cheltenham nat. Sci. Soc.*, 1907, n.s., 1, 45-61. [+ anthropoids]

1775. Wolff, Charlotte. The form and dermatoglyphs of the hands and feet of certain anthropoid apes. *Proc. zool. Soc. Lond.*, 1937, A, 107, 347-350, 5 pls. [5r: Pn]

1775a. Wolff, Charlotte. A comparative study of the form and dermatoglyphs of the extremities of primates. *Proc. zool. Soc. Lond.*, 1938, A, 108, 143-161, 7 pls. [Pn Png Hyl C-p Ery-c C-c Mc Pp Aot Saim Ceb Hap Lm Hp-l Lor]

See also: 255, 307, 323, 324, 327, 342, 350, 353, 1729, 1736.

HAIR

1776. de Beauv, O. Osservazioni e considerazioni sulle vibrisse carpalì e facciali degli arctopiteci. *G. Morf.*, 1917, 1, 89-108. [+++ 8f-19r: Hap Oed-m Leon-c]

1777. Beddard, F. E. A note upon *Galago garnetti*. *Proc. zool. Soc. Lond.*, 1901, (1), 271-276. [4f: Hp-l Glg]

1779. Frédéric, J. Untersuchungen über die Sinushaare der Affen, nebst Bemerkungen über die Augenbrauen und den Schnurrbart des Menschen. *Z. Morph. Anthropol.*, 1905, 8, 239-275, pl. 17. [+++ 1f-26r: Pn Png Hyl Symph C-p C-c Mc Pp Mndr Ceb Al Hap]

1780. Frédéric, J. Nachtrag zu den "Untersuchungen über die Sinushaare der Affen." *Z. Morph. Anthropol.*, 1906, 9, 327-330. [1f: Hyl Mc Al]

1781. Friedenthal, H. Zur Physiologie der menschlichen Behaarung. *S. B. Ges. naturf. Fr. Berl.*, 1907, 1-8. [+]

1782. Friedenthal, H. Das Wollhaarkleid des Menschen. Ein Beitrag zur Physiologie der Behaarung. *Beitr. Naturg. Mensch.*, 1908, 1, 31 pp., pls. 1-10. [++ Pn Png Hyl Clb Prsb Mc Pp Ceb Hap Lm ?Nyct-c Glg Daub]

1783. Friedenthal, H. Das Dauerhaarkleid des Menschen. Ein Beitrag zur Physiologie der Behaarung. *Beitr. Naturg. Mensch.*, 1908, 2, 39 pp., pls. 9-23. [+ Pn Png Mc Chirop Al]

1784. Friedenthal, H. Entwicklung, Bau und Entstehung der Haare. Literatur über Behaarung. Ein Beitrag zur Physiologie der Behaarung. *Beitr. Naturg. Mensch.*, 1908, 4, 57 pp., pls. 37-43. [+ 1270r: Gr Pn Png Hyl C-p Ceb Atl Hap Lm Daub]

1785. Friedenthal, H. Über einen neuen morphologischen Nachweis der Verwandtschaft zwischen Mensch und anthropoiden Affen. *S. B. Ges. naturf. Fr. Berl.*, 1908, 110-111. [Pn]

1786. Friedenthal, H. Über die Behaarung der Menschenrassen und Menschenaffen. *Z. Ethn.*, 1911, 43, 974-980. [+ Gr Pn Png]

1787. Fritsch, G. Die Anthropoiden und die Abstammung des Menschen. *Z. Ethn.*, 1918, 50, 1-11, pls. 1-3. [+++ Gr Pn Png]

1787a. Keers, W. Haarfarbenwechsel bei *Semnopithecus maurus*. *Acta neerl. Morph.*,* 1937, 1, 151-157. [Prsb]

1788. Keith, A. Exhibition of some lantern-slides of, and remarks upon, the orang-outang lately living in the Society's gardens. *Proc. zool. Soc. Lond.*, 1897, 721-722. [Png]

1789. de Meijere, J. C. H. Über die Haare der Säugethiere, besonders über ihre Anordnung. *Morph. Jb.*, 1894, 21, 312-424. [+ 41f-1t: Gr Pn Png Hyl Symph Prsb C-p Mc Pp Pith Ceb Hap Leon-c Lm Mcr-c Chrg Pr-p Avh Lor Prdct Glg Daub Tars]

1790. Miller, G. S., Jr. Human hair and primate patterning. *Smithson. misc. Coll.*, 1931, 85, no. 10, 13 pp., 5 pls. [+]

1791. Przeździecki, A. Kilka słów o różnicach w osadzeniu włosów u Murzynów i u małp. (Ueber die Implantation der Kopfhaare bei einigen Affen und Negern). *C. R. Soc. Sci. Varsovie*, Cl. 3, 1913, 6, 215-219. [++ Gr Pn Png Mc Pp Ceb Hap]

1792. Schultz, A. H. The density of hair in primates. *Hum. Biol.*, 1931, 3, 303-321. [4t: Gr Pn Png Hyl Symph Prsb Nas C-p Ery-c C-c Mc Pp Aot Saim Ceb Lag Ail Al Hap Myst Oed-m]

1793. Schwalbe, G. Über die Richtung der Haare bei den Halbaffen. *Voeltzkows Reise in Ostafrika: Wiss. Ergebn.*, * 1910, 4, 207-266, pls. 16-19. [11f-22r: Lm Pr-p Indr Tars]

1793a. Sokolowsky, A. Das Haarkleid des Menschen in seinen Beziehungen zu dem der Menschenaffen. *Derm. Wschr.*, 1929, 88, 432-437. [+++ Gr Pn Png]

1793b. Taibel, A. M. Anomalie nel colorito del mantello in alcuni mammiferi del Giardino zoologico di Roma. *Boll. Zool.*, 1937, 8, 211-217. [+ 4f: Pp]

1794. Waldeyer, Wilhelm. *Atlas der menschlichen und tierischen Haare sowie der ähnlichen Fasergebilde*. Lehr: Moritz Schauenburg, 1884, iv, 195 pp., 12 pls. [+ Pn Mc Indr]

1795. Zuckerman, S. An unusual arrangement of hair in a rhesus monkey (*Macaca mulatta*). *Proc. zool. Soc. Lond.*, 1934, (2), 727-729, 1 pl. [Mc]

See also: 112, 115, 116, 198, 244, 245, 255, 266, 323, 324, 350, 353, 813, 1544, 1749, 2927a, 3917.

NAILS

1795a. Bluntschli, H. Ein eigenartiges an Primierbefunde erinnerndes Nagelverhalten am

Fuss von platyrrhinen Affen. *Arch. EntwMech. Org.*, 1929, 118, (3), 1-10. [11f: Aot Pith Saim Ceb Hap Cal-mc Nyct-c Prct Daub]

1796. Bruhns, Fanny. Der Nagel der Halbaffen und Affen. Ein Beitrag zur Phylogenie des menschlichen Nagels. *Morph. Jb.*, 1910, 40, 501-609. [131f-61r: Gr Pn Png Hyl Symph Prsb C-p Ery-c Mc Pp Ceb Atl Hap Lm Nyct-c]

1797. Clark, W. E. Le Gros. The problem of the claw in primates. *Proc. zool. Soc. Lond.*, 1936, (1), 1-24, 1 pl. [13f: Hap Leon-c Cal-mc Mcr-c Glg Daub Tars]

1797a. Kachi, T. Beiträge zur Morphologie des Nagels. I. Mitteilung: Nagel bei *Macacus rhesus et speciosus*. *Jap. J. med. Sci., I. Anat.*, 1929, 2, 1-34. [vnt: Mc]

1798. Panzer, W. Beiträge zur Biologischen Anatomie des Baumkletterns der Säugetiere. I. Das Nagel-Kralle-Problem. *Z. Anat. EntwGesch.*, 1932, 98, 147-198. [++ 13f-2t-r: Gr Pn Prsb Mc Hap Tars]

1799. Vigener, J. Ein Beitrag zur Morphologie des Nagels. *Morph. Arb.*, * 1896, 6, 555-604. [++ nt: Pn Png Prsb C-p C-c Mc Pp Mndr Saim Ceb Atl Al Leon-c Lm]

See also: 112, 327, 353, 1746a.

Nervous System & Sense Organs

The Brain as a Whole

GENERAL MORPHOLOGY

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PRIMATES IN GENERAL

1800. Anthony, R. La morphologie du cerveau chez les singes et chez l'homme. *Rev. anthrop.*, 1917, 27, 95-112, 159-167, 195-203, 236-250, 298-305. [+ 41f-nr: Gr Pn C-p Mc Ceb Daub]

1801. Ariëns Kappers, C. Cerebral localization and the significance of sulci. *17th Int. Congr. Med., Lond.*, 1912, sect. 1, part 1, 273-392. [+ 9f-vnr]

1802. Ariëns Kappers, C. U. La signification des fissures du cerveau en général et leur rapport avec les localisations cérébrales intrinsèques dans la région insulaire et dans le lobe frontale. Note préliminaire. *Névraxe*, 1913, 14-15, 215-247. [+ 7f]

1803. Ariëns Kappers, C. U., Huber, G. C. & Crosby, Elizabeth C. *The comparative anatomy of the nervous system of vertebrates, including man.* New York: The Macmillan Co., 1936, 2 vols., xvii, xi, 1845 pp. [+ 710f-vnr]

1804. Bischoff, T. L. W. Die Grosshirnwindungen des Menschen mit Berücksichtigung ihrer Entwicklung bei dem Fötus und ihrer Anordnung bei den Affen. *Abh. bayer. Akad. Wiss.*, 1868, 10, Abt. 2, 388-497, 7 pls. [+ t: Png Prsb C-p Mc Pp Mndr Saim Hap Nyct-c]

1805. Broca, P. Anatomie comparée des circonvolutions cérébrales. Le grand lobe limbique et la scissure limbique dans la série des mammifères. *Rev. Anthrop., Paris*, 1878, (2), 1, 385-498. [+ 35f-nr]

1806. Chudziński, T. Anatomia porównawcza zwojów mózgowych. [Vergleichende Anatomie der Gehirnwindung.] *Pam. Tow. nauk. Scist., Paryżu*,* 1878, 10, 95 pp., 9 pls.; 1882, 12, 88 pp., 13 pls. [+ nf-Czech only: Gr Png Hyl C-p Ery-c Mc Pp Mndr Aot Cal-c Piith Saim Ceb Lag Atl Al Hap Myst Lm Prsb Avh Indr]

1807. Connolly, C. J. The fissural pattern of the primate brain. *Amer. J. phys. Anthrop.*, 1936, 21, 301-422. [67f-nr: Gr Pn Png Hyl Symph Prsb Nas C-p C-c Mc Cyn-p Thr-p Pp Mndr Ceb Atl Al Hap Oed-m Lm Lor Tars]

1808. Cunningham, D. J. Contribution to the surface anatomy of the cerebral hemispheres, with a chapter upon cranio-cerebral topography by Victor Horsley. *Cunningham Mem. R. Irish Acad.*,* 1892, 7, xii, 372 pp., 8 pls. Review in: *J. comp. Neurol.*, 1893, 3, i-xii. [+ 71f-nt-r: Pn Png Mc Pp Ceb]

1809. Duckworth, W. L. H. Description of brains of primates in the University anatomical museum, Cambridge. *Stud. Anthrop. Lab., Anat. Sch., Cambridge*,* 1904, 65-78. [Hyl Nas Atl Lm Lor Glg]

1810. Duvernoy, [G. L.] Rapport sur un mémoire de M. P. Gratiolet, sur les plis cérébraux de l'homme et des primates. *Ann. Sci. nat., Zool.*, 1851, (3), 16, 193-217.

1811. Flatau, Edward & Jacobsohn, Louis. *Handbuch der Anatomie und vergleichenden Anatomie des Centralnervensystems der Säugetiere. I. Makroskopischer Teil.* Berlin: S. Karger, 1899, xvi, 578 pp., 7 pls. [+ 126f-vnr: Pn Png Mc Ceb Hap Lm Indr Lor Nyct-c Prdct Daub Tars]

1812. Fraipont, C. L'évolution cérébrale des primates et en particulier des hominiens. *Arch. Inst. Paléont. hum.*, 1931, 8, 1-86, 4 pls. [+ 112f-nr: Gr Pn Png Hyl C-p C-c Pp Ceb Atl Al Indr]

1813. Gratiolet, P. Mémoire sur les plis cérébraux de l'homme et des primates. *C. R. Acad. Sci., Paris*, 1850, 31, 366-369. [Pn Png Mc Pp Mndr Saim Ceb Lag Atl Hap]

1814. Gratiolet, Pierre. *Mémoire sur les plis cérébraux de l'homme et des primates.* Paris: Arthus Bertrand, [186?], [Text] vi, 104 pp., [Atlas] iv, 13 pls. [Gr Pn Png Hyl Symph Prsb Nas C-p Mc Pp Mndr Aot Cal-c Saim Ceb Lag Atl Hap Oed-m]

1815. Gromier, Jules. *Étude sur les circonvolutions cérébrales chez l'homme et chez les singes.* Thèse (Med.) Paris, A. Parent, 1874, 128 pp., 3 pls. [+ Pn Png Hyl C-p Mc Pp Mndr]

1816. Huxley, [T. H.] On the zoological relations of man with the lower animals. *Nat. Hist. Rev.*,* 1861, 67-84.

1817. Jakob, Christfried & Onelli, Cl. *Vom Tierhirn zum Menschenhirn. I. Teil. Tafelwerk nebst einföhrung in die Geschichte des Hirnrinde von Dr. Chr. Jakob.* München: J. F. Lehmann, 1911, 32 pp., 48 pls. [+ 50f: Pn Png Pp Aot Ceb Al Hap Daub]

1818. Jefferson, G. Cortical localisation and furrow formation. *J. comp. Neurol.*, 1915, 25, 291-300. [+ 1f-t: Pn Hyl C-p Pp Hap Lm Chrg]
1819. Kükenthal, W. & Ziehen, T. Untersuchungen über die Grosshirnfurchung der Primaten. *Jena. Z. Naturw.*, 1895, 29, 1-122. [34f-nr: Gr Pn Png Hyl Prsb C-p Ery-c C-c Mc Thr-p Pp Mndr Aot Cal-c Pith Chirop Saim Ceb Lag Atl Al Hap Oed-m]
1820. Pansch, A. De sulcis et gyris in cerebris simiarum et hominum. Commentatio anatomica quam ad veniam docendi rite obtinendam. *Schr. Univ. Kiel*,* 1866, 13, xi, 42 pp., 1 pl. [Pn C-c Mc Pp Ceb Lm]
1821. Pansch, A. Ueber die typische Anordnung der Furchen und Windungen auf den Grosshirnhemisphären des Menschen und der Affen. *Arch. Anthrop., Braunschw.*, 1868, 3, 227-257, pls. 5-8. [Pn C-p Pp Cal-c Ceb Atl Lm Glg Daub]
1822. Parker, A. J. Morphology of the cerebral convolutions with special reference to the order of Primates. *J. Acad. nat. Sci. Philad.*, 1896, (2), 10, 247-365, pls. 34-48. [++ 31f-t: Pn Hyl C-p Mc Pp Cal-c Saim Ceb Atl Hap Myst Lm Pr-p Avh Indr Daub]
1823. Retzius, Gustav. *Cerebra simiarum illustrata. Das Affenhirn in bildlicher Darstellung.* Jena: Gustav Fischer, 1906, ix, 24 pp., 67 pls. [Gr Pn Png Hyl Prsb Nas Clb C-p C-c Mc Cyn-p Pp Mndr Saim Ceb Atl Al Hap Myst Oed-m Tars]
1824. Rohon, Josef Victor. *Zur Anatomie der Hirnwindungen bei den Primaten.* München: Ernst Stahl, 1884, 42 pp., 2 pls. [+++ 17r: Pn Prsb]
1825. Serres, Antoine Etienne Renaud Augustin. *Anatomie comparée du cerveau dans les quatre classes des animaux vertébrés, [etc.]*. Paris: Gabon et cie., 1827, 2 vols. & atlas. vol. 1 (1824) xl, cxii, 576 pp.; vol. 2, (1826) viii, 795 pp.; atlas 16 pls. [+ vnt: Ery-c Mc Pp Mndr Ceb Lm]
1826. Smith, G. Elliot. On the homologies of the cerebral sulci. *J. Anat., Lond.*, 1902, 36, 309-319. [+ 3f]
- 1826a. Smith, G. Elliott. *Descriptive and illustrated catalogue of the physiological series of comparative anatomy contained in the museum of the Royal College of Surgeons of England.* London: Taylor & Francis, 1902, vol. 2, 2nd ed., ix, 518 pp. [254f: all general]
1827. Tiedemann, Friedrich. *Icones cerebri simiarum et quorundam mammalium rariorum.* Heidelberg: Mohr et Winter, 1821, 55 pp., 10 pls. [++ t: C-p Mc Ceb Lm]
1828. Tilney, Frederick. *The brain from ape to man. A contribution to the study of the evolution and development of the human brain.* With chapters on the reconstruction of the gray matter in the primate brain stem by Henry Alsup Riley. New York: Paul B. Hoeber, 1928, 2 vols., xxvii, xv, 1120 pp. [+++ 557f-nt-vnr: Gr Pn Png Hyl Mc Pp Al Lm Tars]
1829. Turner, W. Comparison of the convolutions of the seals and walrus with those of the Carnivora, and of apes and man. *J. Anat., Lond.*, 1888, 22, 554-581. [+ 1f]
1830. Turner, W. The convolutions of the brain: a study in comparative anatomy. *J. Anat., Lond.*, 1891, 25, 105-133. [+ 42f: Pn Hap Lm Nyct-c]
1831. Zuckerkandl, E. Zur Morphologie des Affengehirnes. *Z. Morph. Anthrop.*, 1902, 4, 463-499, pls. 15-17. [3f-19r: Pn Png Hyl Cyn-p Pp Lag Brchyt Atl]
- See also: 145, 328, 828, 1075, 1105, 1106, 2020, 2081, 2139, 4015.

Morphology of the brain

PONGIDAE & HYLOBATIDAE

1832. Beddard, F. E. A contribution to our knowledge of the cerebral convolutions of the gorilla. *Proc. zool. Soc. Lond.*, 1899, 65-76. [7f-16r: Gr]
1833. Beddard, F. E. On the brain of a siamang (*Hylobates syndactylus*). *Proc. zool. Soc. Lond.*, 1900, 187-190. [2f: Symph]
1834. Benham, W. B. A description of the cerebral convolutions of the chimpanzee known as "Sally"; with notes on the convolutions of other chimpanzees and of two oranges. *Quart. J. micr. Sci.*, 1894, n.s., 37, 47-85, pls. 7-11. [Pn Png]
1835. v. Bischoff, [T. L. W.] Ueber das Gehirn eines Chimpanseé. *S. B. bayer. Akad. Wiss.*, 1871, 1, 98-105, 3 pls. [Pn]
1836. v. Bischoff, [T. L.] Ueber das Gehirn eines Orang-Outan. *S. B. bayer. Akad. Wiss.*, 1876, 6, 193-205, 4 pls. [Png]
1837. v. Bischoff, [T. L. W.] Ueber das Gehirn eines Gorilla und die untere oder dritte Stirnwindung der Affen. *S. B. bayer. Akad. Wiss.*, 1877, 7, 96-139, 4 pls. [Gr Pn Png]
1838. Bolau, H. & Pansch, A. Die menschenähnlichen Affen des Hamburger Museums. 1. Zur Naturgeschichte des Gorilla [Bolau]. 2. Die Brust- und Baueingeweide des Gorilla [Bolau]. 3. Das Gehirn des Gorilla [Pansch]. *Abh. Naturw. Hamburg*, 1876, 6, Abt. 2, 61-90, pls. A-B. [t: Gr]
1839. Bolk, L. Beiträge zur Affenanatomie. II. Ueber das Gehirn von Orang-Utan. *Ned. Bijdr. Anat.*, 1901, 1, 25-84, pls. 6-7. [+++ 34f-nr: Png]
1840. Bolk, L. Beiträge zur Affenanatomie. VII. Das Gehirn von Gorilla. *Z. Morph. Anthrop.*, 1909, 12, 141-242, pl. 6. [29f: Gr]

1841. Broca, P. Présentation d'un cerveau de gorille mâle et adulte. *Bull. Soc. Anthropol. Paris*, 1876, (2), 11, 426-431. [1f: Gr]
1842. Broca, [P.] Sur le cerveau du gorille. *C. R. Ass. franç. Av. Sci.*, 1877 [1878], 6, 706-710. [1f: Gr]
1843. Broca, P. Sur le cerveau du gorille. *Bull. Soc. Anthropol. Paris*, 1877, (2), 12, 432-439. [Gr]
1844. Broca, P. Étude sur le cerveau du gorille. *Rev. Anthropol., Paris*,* 1878, (2), 1, 1-46, pls. 1-3. [1f-nr: Gr]
1845. Chapman, H. C. Observations upon the brain of the gorilla. *Proc. Acad. nat. Sci., Philad.*, 1892, 203-212, pls. 11-12. [Gr]
1846. Clark, W. E. Le Gros. Description of the cerebral hemispheres of the brain of a gorilla (John Daniels II). *J. Anat., Lond.*, 1927, 61, 467-475. [6f: Gr]
1847. Connolly, C. J. The brain of a mountain gorilla, Okero (*G. beringei*). *Amer. J. phys. Anthropol.*, 1923, 17, 291-308. [8f-2t-16r: Gr]
1848. Coupin, F., Hindzé, B. & Lafont, M. Contribution à l'étude de deux jeunes gorilles. I.—Introduction, [F.C.] II.—Le cerveau, [F. Coupin] III.—Artères de l'encéphale, [B. Hindzé] IV.—Dentition, [M. Lafont]. *Nouv. Arch. Mus. Hist. nat. Paris*, 1927, (6), 2, 111-167, 5 pls. [30f-vnr: Gr]
1849. Fischer, E. Über die Variationen der Hirnfurchen des Schimpansen. *Anat. Anz.*, 1921, 54, ErgH., 48-54. [r: Pn]
1850. Flower, W. H. On the brain of the siamang. (*Hylobates syndactylus*, Raffles). *Nat. Hist. Rev.*,* 1863, 3, 279-287. [3f-1t: *Symph Prsb Pp Saim*]
1851. Giacomini, C. Sul cervello di un chimpanzé. *Atti Accad. Torino*, 1889, 24, 789-820, pl. 16. [Pn]
1852. Gratiolet, P. Note sur l'encéphale du gorille (*Gorilla gina*, I. Geof.-St.-H.). *C. R. Acad. Sci., Paris*, 1860, 50, 801-805. [Gr]
1853. Henschen, S. E. Ist der Gorilla links-hirrig? *Dtsch. Z. Nervenheilk.*, 1926, 92, 1-7. [1f: Gr]
1854. Jatschewa, Z. Über verwandtschaftliche Formbildungen an beiden zueinander gehörenden Hemisphären. *Schweiz. Arch. Neurol. Psychiat.*, 1919, 5, 56-67. [+ 4f-30r: Pn]
1855. Macartney, J. On the minute structure of the brain in the chimpanzee, and of the human idiot, compared with that of the perfect brain of man; with some reflections on the cerebral functions. *Trans. R. Irish Acad.*, 1843, 19, 322-328, 2 pls. [++ Pn]
1856. Marshall, J. On the brain of a young chimpanzee. *Nat. Hist. Rev.*,* 1861, 1, 296-315, pl. 6. [1f-1t: Pn]
1857. Mingazzini, G. Beitrag zur Morphologie der äusseren Grosshirnhemisphärenoberfläche bei den Anthropoiden (Schimpanse und Orang). *Arch. Psychiat. Nervenkr.*, 1928, 85, 1-219. [117f-nt-nr: Pn Png]
1858. Müller, J. Zur Anatomie des Schimpansegehirns. *Arch. Anthropol., Braunschw.*, 1887, 17, 173-187, pls. 10-11. [r: Pn]
1859. Owen, [R.] On the zoological significance of the brain and limb characters of the gorilla, as contrasted with those of man. *Med. Times Gaz., Lond.*,* 1862, (2), 373-374. [+++ Gr]
1860. Pansch, A. Einige Bemerkungen über den Gorilla und sein Hirn. *Schr. naturw. Ver. Schl.-Holst.*, 1878, 3, 127-130.. [Gr]
1861. Parker, A. J. On the brain of a chimpanzee. *Med. Rec., N. Y.*, 1880, 17, 28-31. [Pn]
1862. Pastore, J. Sui solchi cerebrali di un "*Symphalangus syndactylus*." *Atti Accad. Torino*, 1933, 68, 570-587, 3 pls. [9r: *Hyl Symph*]
- 1862a.* Pines, L. Zur Morphologie des Schimpansengehirns. In: "*Furchen und Windungenproblem in der Morphologie des Gehirns*." *Arb. morph. Sect. Bechterew-Inst., Leningrad*, 1934, pp. 183-202. [Pn]
1863. Pruner-Bey. Sur un mémoire de M. Bischoff relatif aux plis du cerveau. *Bull. Soc. Anthropol. Paris*, 1869, (2), 4, 104-113. [++ Png]
1864. Riese, W. Formprobleme des Gehirns. Dritte Mitteilung: Über die Menschenähnlichkeit des Orangehirns. *Anat. Anz.*, 1926, 60, 533-536, 2 pls. [Png]
1865. Rolleston, G. On the affinities of the brain of the orang utang. *Nat. Hist. Rev.*,* 1861, 1, 201-217, pl. 3. [Png]
1866. Schmitt, R. Das Nervensystem von *Troglodytes niger*. *Anat. Anz.*, 1909, 34, 286-287. [1f: Pn]
1867. Schroeder van der Kolk, J. L. C. & Vrolik, W. Ontleedkundige nasporingen over die hersenen van den chimpanzé. *Verh. eerste Kl. Ned. Inst., Amst.*,* 1849, (3), 1, 263-278, 2 pls. [Pn Png]
1868. Schroeder van der Kolk, J. L. C. & Vrolik, W. Note sur l'encéphale de l'orang-outang. *Versl. Akad. Wet. Amst., Afd. Natuurk.*,* 1862, 13, 1-10, 1 pl. Also: *Nat. Hist. Rev.*,* 1862, 2, 111-117, pl. 4. [Png]
1869. Schroeder van der Kolk, [J. L. C.] & Vrolik, W. Bemerkung über das Gehirn des Orang-Outang. *Arch. holl. Beitr. Nat.- u. Heilk.*,* 1864, 3, 220-221. [Png]
1870. Sergi, S. Le variazioni dei solchi cerebrali e la loro origine segmentale nell' *Hylobates*. *Ric. Lab. Anat. norm. Univ. Roma*, 1904, 10, 189-255, pls. 14-15. [Hyl]

1871. Sperino, G. Contributo allo studio del cervello del gibbono *Hylobates lar*. G. *Accad. Med. Torino*, 1898, 61, 415-464, 1 pl. [1t-nr: Hyl]

1872. Stangier, H. Die Furchen der Grosshirnrinde beim Schimpanse. *Z. Anat. Entw. Gesch.*, 1937, 107, 647-671. [13f: Gr Pn]

1873. Thane, G. D. The brain of the gorilla. *Nature, Lond.*, 1876, 15, 142-144. [3f: Gr]

1874. Tiedemann, F. Hirn des Orang-Outangs mit dem des Menschen verglichen. *Z. Physiol.*, * 1826, 2, 17-28, pl. 4. [++ Png]

1875. Tiedemann, F. On the brain of the Negro, compared with that of the European and orang-outang. *Philos. Trans.*, 1836, 126, 497-527, pls. 30-35. [+ 7t: Pn Png]

1875a. Vrolik, W. Sur l'anatomie du cerveau du chimpansé. *C. R. Acad. Sci., Paris*, 1850, 30, 83-84. [Pn]

1876. Waldeyer, W. Das Gibbon-Hirn. In: *Festschrift, Rudolf Virchow: Internationale Beiträge zur wissenschaftlichen Medicin*. Berlin: A. Hirschwald, 1891, vol. 1, 1-40, 40a-40x, pls. 1-2. [vnr: Hyl Symph]

1877. Walker, A. E. & Fulton, J. F. The external configuration of the cerebral hemispheres of the chimpanzee. *J. Anat., Lond.*, 1936, 71, 105-116, 5 pls. [nr: Pn]

See also: 170, 171, 174, 176, 179, 184, 194a, 194b, 198, 225, 274, 300, 312, 330, 1938a, 1975, 2079.

Morphology of the brain

CERCOPITHECIDAE

1878. Beddard, F. E. On the brains of *Nasalis larvatus* and of some other Old World primates. *Proc. zool. Soc. Lond.*, 1903, (1), 12-21. [7f: Nas Clb Cyn-p]

1879. Beddard, F. E. A note on the brain of the black ape, *Cynopithecus niger*. *Proc. zool. Soc. Lond.*, 1905, (1), 22-26. [2f: Cyn-p]

1880. Broca, P. Sur la topographie cérébrale comparée de l'homme et du cynocéphale sphinx. *Bull. Soc. Anthropol. Paris*, 1877, (2), 12, 262-267. [++ 2f: Pp]

1881. Clarke, R. H. & Henderson, E. E. Atlas of photographs of the frontal sections of the cranium and brain of the rhesus monkey. (*Macacus rhesus*). *Johns Hopk. Hosp. Rep.*, 1920, Special vol., part 2, 161-172, pls. 21-57. [Mc]

1882. Geist, F. D. The brain of the rhesus monkey. *J. comp. Neurol.*, 1930, 50, 333-375. [23pl: Mc]

1883. Karplus, Johann Paul. *Variabilität und Vererbung am Zentralnervensystem des Menschen und einiger Säugetiere. Familienuntersuchungen mit Berücksichtigung von Geschlecht und Entwicklung*. Leipzig und Wien: Franz Deuticke, 1921, 2nd ed., 234 pp., 6 pls. [+ 68f-vnt: Mc Pp]

1884. Kohlbrugge, J. H. F. Die Variationen an den Grosshirnfurchen der Affen mit besonderer Berücksichtigung der Affenspalte. *Z. Morph. Anthropol.*, 1903, 6, 191-250, pl. 5. [112f: Hyl Prsb Nas Mc C-p]

1885. Lessem, W. W. The fore-brain of *Macacus*. *J. comp. Neurol.*, 1903, 13, 1-8, pls. 1-2. [Mc]

1886. Mettler, F. A. Brain of *Pithecus rhesus* (*M. rhesus*). *Amer. J. phys. Anthropol.*, 1933, 17, 309-331. [4f-3t-75r: Mc]

1887. Meynert, T. Die Windungen der convexen Oberfläche des Vorder-Hirnes bei Menschen, Affen und Raubtieren. *Arch. Psychiat. Nervenkr.*, 1877, 7, 257-286. [+ 23f: Mc]

1888. Mingazzini, G. Intorno al solchi e le circonvoluzioni cerebrali dei primati e del feto umano. *Atti Accad. med., Roma*, 1888-89, (2), 4, 9-52, 1 pl. [+++ 3t-43r: C-p Mc Pp]

1889. Mingazzini, G. Ueber die Furchen und Windungen des Gehirns der Primaten und der menschlichen Frucht. *Untersuch. Naturl. Mensch. Tiere*, 1894, 14, 177-229, 1 pl. [+++ 3t-43r: see 1888]

1890. Santee, H. E. The brain of a black monkey, *Macacus maurus*: The relative prominence of different gyri. *Anat. Rec.*, 1914, 8, 257-266. [4f: Mc]

1891. Zuckerkandl, E. Zur Morphologie des Affengehirnes. (Zweiter Beitrag.) *Z. Morph. Anthropol.*, 1903, 6, 285-321, pls. 11-12. [4f-8r: C-p Ery-c C-c Mc Cyn-p Pp Mndr]

1892. Zuckerkandl, E. Zur Morphologie des Affengehirnes. (Dritter Beitrag.) *Z. Morph. Anthropol.*, 1904, 7, 223-260, pl. 4. [11f: Prsb Nas]

See also: 225.

Morphology of the brain

CEBIDAE & HAPALIDAE

1893. Brunner, H. & Spiegel, E. A. Vergleichend-anatomische Studien am Hapalidengehirn. *Folia neuro-biol., Lpz.*, 1918, 11, 171-203. [++ 12f-r: Hap]

1894. Flower, W. H. On the brain of the red howling monkey (*Mycetes seniculus*, Linn.). *Proc. zool. Soc. Lond.*, 1864, 335-338, pl. 29. [Al]

1895. Huxley, T. H. On the brain of *Ateles paniscus*. *Proc. zool. Soc. Lond.*, 1861, 247-260, pl. 29. [2f: Atl Al Lm]

1896. Huxley, T. H. On the brain of *Ateles paniscus*. In: *The scientific memoirs of Thomas Henry Huxley*, London: Macmillan, 1899, vol. 2, pp. 493-508, pl. 36. [Idem 1895]

1897. Retzius, G. Die Gehirne der Affengattungen *Cebus* und *Ateles*. *Biol. Untersuch.*, 1921, n.f., 19, 62-76. [Ceb Atl]

1898. Zuckerkandl, E. Zur Morphologie des Affengehirns. (Vierter Beitrag.) Das Gehirn der Cebiden. *Z. Morph. Anthropol.*, 1905, 8, 100-122, pl. 5. [2f: Ceb]

1899. Zuckerkandl, E. Zur Oberflächenmodellierung des Atelesgehirns. *Arch. neurol. Inst. (Inst. Anat. Physiol. Zent. Nerv.) Univ. Wien.*, 1909, 18, 60-100. [14f-nr: Atl]

See also: 235, 236, 240, 242, 1916, 2249.

Morphology of the brain

LEMUROIDEA & TARSIOIDEA

1900. Anthony, R. & de Santa-Maria, A. S. Recherches sur la morphologie télencéphalique du *Lepilemur* à l'état adulte et au cours du développement ontogénique. *Nouv. Arch. Mus. Hist. nat., Paris*, 1913, (5), 5, 1-41, pls. 1-2. [11f-nt: Lp-l]

1901. Beddard, F. E. On the brain in the lemurs. *Proc. zool. Soc. Lond.*, 1895, 142-148. [5f: Lm Mcr-c Lor Nyct-c Prdt Glg]

1902. Burckhardt, R. Das Gehirn zweier subfossiler Riesenlemuren aus Madagascar. *5th Int. Congr. Zool., Berl.*, 1901 [1902], 601-609. [2f-12r: †††]

1903. Burckhardt, R. Das Gehirn zweier subfossiler Riesenlemuren aus Madagascar. *Anat. Anz.*, 1901, 20, 229-237. [2f-11r: †††]

1904. Chudzinski, T. Sur les plis cérébraux des lémurien en général et du loris grêle en particulier. *Bull. Soc. Anthropol. Paris*, 1895, (4), 6, 435-465. [8f: Lm Indr Lor]

1905. Chudzinski, T. Sur les plis cérébraux d'un aye-aye (*Cheiromys*, *Mysipithecus* ou singe rat). *Bull. Soc. Anthropol. Paris*, 1896, (4), 7, 12-20. [3f: Daub]

1906. Clark, W. E. Le Gros. The brain of *Microcebus murinus*. *Proc. zool. Soc. Lond.*, 1931, (1), 463-486, 8 pls. [7f-23r: Mcr-c]

1907. Flower, W. H. Memoir on the brain of the Javan loris (*Stenops javanicus*). *Proc. zool. Soc. Lond.*, 1862, 103-105. [Nyct-c]

1908. Flower, W. H. On the brain of the Javan loris (*Stenops javanicus*, Illig.). *Trans. zool. Soc. Lond.*, 1862 [1866], 5, 103-111, pl. 27. [Nyct-c]

1909. Gervais, P. Mémoire sur les formes cérébrales propre à l'ordre des lémurien, accompagné de remarques sur la classification de ces animaux. *J. Zool.*, 1872, 1, 5-27, pl. 2. [Lm Hp-l Lp-l Mcr-c Chrg Pr-p Avh Indr Lor Nyct-c Glg Daub Tars]

1910. Smith, G. Elliot. Further notes on the lemurs, with especial reference to the brain. *J. Linn. Soc. (Zool.)*, 1903, 29, 81-89. [4f: Lm Pr-p Tars †††]

1911. Smith, G. Elliot. On the morphology of

the brain in the Mammalia, with special reference to that of the lemurs, recent and extinct. *Trans. Linn. Soc. Lond., Zool.*, 1903, (2), 8, 319-432.

[+++ 66f-t: C-p Lm Lp-l Hp-l Mcr-c Pr-p Avh Indr Lor Nyct-c Prdt Glg Daub Tars †††]

1912. Smith, G. Elliot. [A discussion of the brain with respect to the affinities of *Tarsius*.] *Proc. zool. Soc. Lond.*, 1919, (2), 465-475. [1f: Tars]

1913. Standing, H. F., [& Smith, G. Elliot]. On recently discovered subfossil primates from Madagascar. With an appendix: On the form of the brain in the extinct lemurs of Madagascar, with some remarks on the affinities of the Indrisinae [by G. Elliot Smith]. *Trans. zool. Soc. Lond.*, 1908 [1910-11], 18, 59-177, pls. 10-28. [63f-25t: †††]

1914. Ziehen, T. Ueber die Grosshirnfurchung der Halbaffen und die Deutung einiger Furchen des menschlichen Gehirns. *Arch. Psychiat. Nervenkr.*, 1896, 28, 898-930. Abstr.: *J. comp. Neurol.*, 1897, 7, p. 8. [Lm Lp-l Hp-l Chrg Pr-p Avh Indr Lor Nyct-c Prdt Glg Tars]

1915. Ziehen, T. Ueber den Bau des Gehirns bei den Halbaffen und bei Galeopithecus. *Anat. Anz.*, 1903, 22, 505-522. [++ 7f: Nyct-c Tars]

See also: 245, 246, 258, 264, 269, 1492a, 1994.

HISTOLOGY OF THE BRAIN
CYTO- & MYELOARCHITECTURE

1916. von Bonin, G. The cerebral cortex of the cebus monkey. *J. comp. Neurol.*, 1938, 69, 181-227. [11f-5t-vnr: Ceb]

1917. Brodmann, K. Beiträge zur histologischen Lokalisation der Grosshirnrinde. Dritte Mitteilung. Die Rindenfelder der niederen Affen. *J. Psychol. Neurol., Lpz.*, 1905, 4, 177-226, pls. 6-12. [40f-nr: C-p]

1918. Brodmann, K. Beiträge zur histologischen Lokalisation der Grosshirnrinde. Fünfte Mitteilung. Über den allgemeinen Bauplan des Cortex pallii bei den Mammaliern und zwei homologe Rindenfelder im besonderen. Zugleich ein Beitrag zur Furchenlehre. *J. Psychol. Neurol., Lpz.*, 1906, 6, 275-400. [++ 211f-33r: Png Prsb C-p C-c C-p Cyn-p Mndr Ceb Lag Hap Lm Pr-p Nyct-c Prdt]

1919. Brodmann, K. Beiträge zur histologischen Lokalisation der Grosshirnrinde. VII. Mitteilung: Die cytoarchitektonische Cortextgliederung der Halbaffen (Lemuriden). *J. Psychol. Neurol., Lpz.*, 1908, 10, ErgH., 287-334, 9 pls. [5f-nr: Lm]

1920. Brodmann, Korbinian. *Vergleichende Lokalisationslehre der Grosshirnrinde in ihren Prinzipien dargestellt auf Grund des Zellenbaues*. Leipzig: J. A. Barth, 1909, x, 324 pp. [+ 150f-r: C-p Hap Lm]

1921. **Campbell, Alfred W.** *Histological studies on the localisation of cerebral function.* Cambridge: University Press, 1905, xix, 360 pp., 29 pls. Abstr.: *Brain*, 1906, 29, 265-279. [++ 23f: Pn Png]
1922. **Campbell, A. W.** *Histological studies on the localisation of cerebral function.—The brain of the gorilla.* *Rep. path. Lab., Lunacy Dept., N.S.W.*, 1916, 3, 19-35. [5f: Gr]
- 1922a. **Fulton, J. F.** *Cytoarchitecture of the gorilla brain.* *Science*, 1938, 88, 426-427. [Review of no. 1922: Gr]
1923. **Grünthal, E.** *Über Unterschiede im Gehirnbau der Anthropoiden und des Menschen und das eigentlich Menschliche am Gehirn.* *Fortschr. Neur. Psychiat.*, 1936, 8, 261-284. [5f-6t-nr: Gr Pn Png Mc Ceb Lm]
1924. **Major, H. C.** *Observations on the brain of the Chacma baboon.* *J. ment. Sci.*, 1876, 21, 498-512, 2 pls. [Pp]
1925. **Marburg, O.** *Beiträge zur Kenntnis der Grosshirnrinde der Affen.* *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1907, 16, (2), 581-602. [2f: Png Hyl Nas Mc Pp Atl Lm]
1926. **Mauss, T.** *Die faserarchitektonische Gliederung der Grosshirnrinde bei den niederen Affen.* *J. Psychol. Neurol., Lpz.*, 1908, 13, 263-325, pls. 11-15. [20f-1t-nr: C-c Mc]
1927. **Mauss, T.** *Die faserarchitektonische Gliederung des Cortex cerebri der anthropomorphen Affen.* *J. Psychol. Neurol., Lpz.*, 1911, 18, ErgH., 410-467, pls. 40-42. [35f: Png Hyl]
1928. **Möller, J.** *Über eine Eigentümlichkeit der Nervenzellenfortsätze in der Grosshirnrinde des Chimpanse, als Unterschied gegen den Menschen.* *Anat. Anz.*, 1889, 4, 592-596. [7f: Pn]
1929. **Mott, F. W. & Kelley, Agnes M.** *Complete survey of the cell lamination of the cerebral cortex of the lemur.* *Proc. roy. Soc.*, 1908, B, 80, 488-506, pls. 14-18. [4f: Lm]
1930. **Mott, F. W., Schuster, E. & Halliburton, W. D.** *Cortical lamination and localisation in the brain of the marmoset.* *Proc. roy. Soc.*, 1910, B, 82, 124-134, pl. 6-7. [7f: Hap]
1931. **Popoff, Idalia.** *Über einige Grössenverhältnisse der Affenhirne.* *J. Psychol. Neurol., Lpz.*, 1929, 38, 82-90. [31f-1t: Pn Mc]
1932. **Popoff, Idalia & Popoff, N.** *Beitrag zur Kenntnis der quantitativen Differenzen zwischen den Menschen- und Affenhirnen.* *J. Psychol. Neurol., Lpz.*, 1929, 38, 168-178. [3r-22r: Pn Png Mc]
1933. **Preda, G. & Vogt, O.** *La myéloarchitecture de l'écorce du cerveau chez les lémurien (Lemur catta).* *C. R. Soc. Biol., Paris*, 1912, 72, 71-73. [Lm]
1934. **Rawitz, B.** *Zur Kenntnis der Architektonik der Grosshirnrinde des Menschen und einiger Säugetiere. II. Die Hirnrinde von Orang, Rhesus, Lemur, Kaninchen und Hund.* *Z. Anat. EntwGesch.*, 1926, 79, 198-227. [++ 14f: Png Mc Lm]
1935. **Schlapp, Max G.** *Der Zellenbau der Grosshirnrinde des Affen Macacus cynomolgus.* *Inaug.-Diss. (Med.) Berlin*, E. Ebering, 1897, 35 pp. [1f-r: Mc]
1936. **Schlapp, M.** *Der Zellenbau der Grosshirnrinde des Affen Macacus cynomolgus.* *Arch. Psychiat. Nervenkr.*, 1898, 30, 583-607, pls. 15-16. [1f-nr: Mc]
1937. **Schlapp, M. G.** *The microscopic structure of cortical areas in man and some mammals.* *Amer. J. Anat.*, 1903, 2, 259-281, 4 pls. [+ 108r: Mc]
1938. **Schuster, E. H. J.** *Cortical cell lamination of the hemispheres of Papio hamadryas.* *Quart. J. micr. Sci.*, 1911, n.s., 56, 613-643, pls. 24-30. [13f: Pp]
- 1938a.* **Shevchenko, Y. G.** *Variabilnost stroyeniya kory bolshogo mozga. [Variability of structure in the cerebral cortex.] Trud. Tsentral. psikhoneurol. Inst.*, 1937, 8, 76-84. [Psychol. Abstr., 1938, 12, 429: Png-id]
1939. **Vogt, C. & Vogt, O.** *Die vergleichend-architektonische und die vergleichend-reizphysiologische Felderung der Grosshirnrinde unter besonderer Berücksichtigung der menschlichen.* *Naturwissenschaften*, 1926, 14, 1190-1194. [++ 4f: Cp]
1940. **Vogt, C. & Vogt, O.** *Sitz und Wesen der Krankheiten im Lichte der topistischen Hirnforschung und des Variierens der Tiere.* *J. Psychol. Neurol., Lpz.*, 1936, 47, 237-457. [+ 271f-103r: Pn C-p Mc Pp Al Myst Prdcl]
1941. **Vogt, O.** *Ueber strukturelle Hirncentra, mit besonderer Berücksichtigung der strukturellen Felder des Cortex pallii.* *Anat. Anz.*, 1906, 29, ErgH., 74-114. [+ 66f-nr: Png Prsb C-p Lag Al Hap Lm Nyct-c Prdcl]
1942. **Woollard, H. H.** *The cortical lamination of Tarsius.* *J. Anat., Lond.*, 1925, 60, 86-105, 6 pls. [3f-18r: Tars]

See also: 1810, 1817, 1818, 1906, 1974, 1991, 1996, 2020, 2093, 2094, 2125, 3027, 3046.

BRAIN WEIGHT & INDICES

1943. **Ariëns Kappers, C. U.** *Het relatieve gewicht der hersenschors bij menschenrassen en zoogdieren en de asymmetrie der hemisferen. Versl. gewone Vergad. Akad. Amst.*, 1925, 34, 709-720.—The relative weight of the brain-cortex in human races and in some animals and the asymmetry of the hemispheres. *Proc. Acad. Sci. Amst.*, 1925, 28, (2), 844-855. [+ 8t: Png Symp Prsb]

1944. Ariëns Kappers, C. U. The relative weight of the braincortex in human races and in some animals and the asymmetry of the hemispheres. *J. nerv. ment. Dis.*, 1926, **64**, 113-124. [idem 1943]
1945. Ariëns Kappers, C. U. The relation of the cerebellum weight to the total brainweight in human races and in some animals. *J. nerv. ment. Dis.*, 1927, **65**, 113-124. [+ 9t: Png Symph Prsb Mc Hap Leon-c]
- 1945a. v. Bonin, G. Brain-weight and body-weight of mammals. *J. gen. Psychol.*, 1937, **16**, 379-389. [+ 2t-18r: 25 genera]
- 1945b. Brummelkamp, R. Über das Verhältniss der Oberfläche des Frontalhirns zu derjenigen des ganzen Gehirnes bei höheren Affen und Menschen. *Proc. Acad. Sci. Amst.*, 1938, **41**, (2), 1127-1133. [++ 4f-12r: Pn Mc Ceb]
1946. Connolly, C. J. Brain indices of anthropoid apes. *Amer. J. phys. Anthropol.*, 1932, **17**, 57-69. [6t: Gr Pn Png Hyl Symph]
1947. Davison, C. & Kraus, W. M. The measurement of cerebral and cerebellar surfaces. VII. The measurement of visible and total cerebral surfaces of some vertebrates and of man. *Arch. Neurol. Psychiat., Chicago*, 1929, **22**, 105-122. [+ 17f-15t: monkey]
1948. Dubois, E. Sur le rapport du poids de l'encéphale avec la grandeur du corps chez les mammifères. *Bull. Soc. Anthropol. Paris*, 1897, (4), **8**, 337-376. [+ 4t: Png Hyl Symph Prsb Mc Nyct-c Leon-c]
1949. Dubois, E. Über die Abhängigkeit des Hirngewichtes von der Körpergrösse bei den Säugethieren. *Arch. Anthropol., Braunschw.*, 1898, **25**, 1-28. [idem 1948]
1950. Dubois, E. Die gesetzmässige Beziehung von Gehirnmasse zur Körpergrösse bei den Wirbeltieren. *Z. Morph. Anthropol.*, 1914, **18**, 323-350. [+ 5t: Png Symph Prsb Mc Atl Hap Leon-c Nyct-c]
1951. Dubois, E. Over de hersenhoeveelheid van gespecialiseerde zoogdiergeslachten. *Versl. gewone Vergad. Akad. Amst.*, 1924, **33**, 319-326. —On the brain quantity of specialized genera of mammals. *Proc. Acad. Sci. Amst.*, 1924, **27**, 430-437. [+ Saim Ceb Al Atl Hap Lm Nyct-c Daub Tars]
1952. Dubois, E. Die phylogenetische Grosshirnzunahme autonome Vervollkommnung der animalen Funktionen. *Biol. gen.*, 1930, **6**, 247-292, pl. 33. [+ 5f-t]
1953. Frechkop, S. Remarques sur le poids du cerveau chez les mammifères. *Ann. Soc. zool. Belg.*, 1927 [1928], **58**, 109-116. [+ t: Pn Png Hyl Symph Mc Pp Ceb Atl Hap]
1954. Girard, P. Sur l'expression numérique de l'intelligence des espèces animales. *Rev. philos.*,* 1905, **60**, 290-299. [+ 1t: Symph Mc]
- 1954a.* Haas, H. *Die Grössenverhältnisse des Anthropoidengehirns im Vergleich zu den Intelligenzleistungen.* Inaug.-Diss. (Med.) Münster, H. Buschmann, 1938, 33 pp.
1955. Hrdlička, A. Brain weight in vertebrates *Smithson. misc. Coll.*, 1905, **48**, 89-112. [+ vnt-r: C-p C-c Mc Cyn-p Pp Ceb Atl Hap Myst Oed-m Lm]
1956. Hrdlička, A. Weight of the brain and of the internal organs in American monkeys; with data on brain weight in other apes. *Amer. J. phys. Anthropol.*, 1925, **8**, 201-211. [7t: Gr Pn Png Hyl Symph Prsb C-p C-c Mc Cyn-p Pp Mndr Ceb Atl Al Hap Oed-m Lm]
1957. Lapicque, L. Tableau du poids encéphalique en fonction du poids corporel. *7th Int. Physiol. Congr. Heidelberg*, 1907, 13-16.
1958. Leboucq, G. Le rapport poids-surface dans le cerveau des singes. *C. R. Ass. Anat.*, 1928, **23**, 268-273. [3t: Pn Png Hyl Mc Pp]
1959. Leboucq, G. Le rapport entre le poids et la surface de l'hémisphère cérébrale chez l'homme et les singes. *Mém. Acad. R. Belg. Cl. Sci.*, 1929, (2), **10**, no. 9, 57 pp., 4 tbl. [+ nt-r: Pn Png Hyl Mc Pp]
1960. Michaels, J. J. & Kraus, W. M. Measurements of cerebral and cerebellar surfaces. IX. Measurement of cortical areas in cat, dog, and monkey. *Arch. Neurol. Psychiat., Chicago*, 1930, **24**, 94-101. [+ 6f-5t: Ceb]
1961. Möller, J. Beiträge zur Kenntnis des Anthropoiden-Gehirns. *Abh. zool.-anthrop.-ethn. Mus. Dresden*, 1891, **3**, no. 5, 17 pp., 2 pls. [5t-r: Gr Pn Png]
1962. de Quatrefages, [A.] Sur le gorille. *Bull. Soc. Anthropol. Paris*, 1866, (2), **1**, 648-649. [Gr]
1963. Snell, O. Das Gewicht des Gehirnes und des Hirnmantels der Säugethiere in Beziehung zu deren geistigen Fähigkeiten. *S. B. Ges. Morph. Physiol. München*, 1891, **7**, 90-94. [+ 1t: Hyl Ceb Atl]
1964. Snell, O. Die Abhängigkeit des Hirngewichtes von dem Körpergewicht und den geistigen Fähigkeiten. *Arch. Psychiat. Nervenkr.*, 1892, **23**, 436-446. [+ 4t: Hyl Ceb Atl Hap Lm]
1965. Spitzka, E. A. Brain-weights of animals with special reference to the weight of the brain in the macaque monkey. *J. comp. Neurol.*, 1903, **13**, 9-17. [+++ 5t: Pn Prsb C-p C-c Mc Cyn-p Pp Mndr Aot Saim Ceb Lag Atl Al Hap Myst Lm Nyct-c]
1966. Wagner, Hermann. *Massbestimmungen der Oberfläche des grossen Gehirns.* Inaug.-Diss. (Phil.) Göttingen. Cassel: Trömmner & Dietrich, 1864, 48 pp. [+ 8t: Png]

1967. Warncke, P. Mitteilung neuer Gehirn- und Körpergewichtsbestimmungen bei Säugern, nebst Zusammenstellung der gesamten bisher beobachteten absoluten und relativen Gehirngewichte bei den verschiedenen Spezies. *J. Psychol. Neurol., Lpz.*, 1908, **13**, 355-403. [+ + vnt-nr: Gr Pn Png Hyl Symph Prsb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Mndr Aot Pith Chirop Saim Ceb Lag Atl Al Hap Myst Oed-m Leon-c Lm Mcr-c Pr-p Nyct-c Prdct Glg Daub]

1968. Weber, M. Vorstudien über das Hirngewicht der Säugethiere. *Festschr. C. Gegenbaur.*, 1897, **3**, 103-123. [+ vnt: all genera]

1969. Weil, A. The measurement of cerebral and cerebellar surfaces. V. The determination of the shrinkage of the surface of different vertebrate brains. *Arch. Neurol. Psychiat., Chicago.*, 1928, **20**, 834-835. [+ It: Ceb]

See also: 201, 283, 828, 1092, 1103, 1804, 1811, 1812, 1818, 1825, 1827, 1828, 1847, 1848, 1865, 1871, 1884, 1888, 1889, 1931, 1932, 1977, 1978, 1980, 1982, 1985, 2016, 2018, 2023, 2089, 2093, 2137, 2138, 2141, 2292, 2303, 2989, 3934, 4015.

EMBRYOLOGY OF THE BRAIN & AGE CHANGES

1970. Anthony, R. Sur un cerveau de foetus de gorille. *C. R. Acad. Sci., Paris*, 1915, **161**, 153-155. [If: Gr]

1971. Anthony, R. Sur un cerveau de foetus de chimpanzé. *C. R. Acad. Sci., Paris*, 1916, **162**, 604-607. [2f: Pn]

1972. Anthony, R. Le développement du cerveau chez les singes. Première partie. Préliminaires—Anthropoïdes. *Ann. Sci. nat., Zool.*, 1918, (10), **2**, 1-120, pls. 1-8. [69f: Gr Pn Hyl]

1973. Anthony, R. Étude d'un cerveau de foetus de macaque. *C. R. Ass. franç. Av. Sci.*, 1920 [1921], **44**, 321-327. [5f: Mc]

1974. Artom, G. Untersuchungen über die Myelogenese des Nervensystems der Affen. *Arch. Psychiat. Nervenkr.*, 1925, **75**, 169-234. [23f-t-r: Mc Pp]

1975. Babor, J. F. & Frankenberger, Z. Studien zur Naturgeschichte des Gorillas. III. Teil. Beitrag zur Morphologie und Morphogenese des Grosshirns des Gorillas. *Z. Anat. EntwGesch.*, 1932, **97**, 780-793. [7f-r: Gr]

1976. Coupin, F. Le développement comparé du cerveau chez l'homme et chez les singes. *Rev. sci., Paris*, 1925, **63**, 743-748. [5f: Pn C-p Ceb]

1977. Coupin, F. L'état du cerveau à la naissance chez le chimpanzé. *C. R. Acad. Sci., Paris*, 1925, **180**, 862-863. [Pn]

1978. Coupin, F. Étude d'un cerveau de chimpanzé nouveau-né. *Bull. Soc. Anthropol. Paris*, 1925, (7), **6**, 20-30. [9f-t: Pn]

1979. Coupin, F. Note préliminaire sur le cerveau d'un foetus de semnopithèque aux 2/3 de la gestation. *C. R. Ass. franç. Av. Sci.*, 1925 [1926], **49**, 432-436. [4f: Prsb]

1980. Coupin, F. L'indice de valeur cérébrale au cours de l'enfance chez les anthropoïdes. *C. R. Acad. Sci., Paris*, 1927, **184**, 396-398. [If: Gr Pn Png]

1981. Hamy, E.-T. Contribution à l'étude du développement des lobes cérébraux des primates. *Rev. Anthropol., Paris*,* 1872, **1**, 424-431.

1982. Keith, A. The growth of brain in men and monkeys, with a short criticism of the usual method of stating brain-ratios. *J. Anat., Lond.*, 1895, **29**, 282-303. [+ + 14t-30r: Gr Pn Png Hyl Symph Prsb Mc]

1983. Tandler, J. & Fleissig, J. Beiträge zur Entwicklungsgeschichte des Vertebratengehirns. II. Die Entwicklungsgeschichte des Tarsiusgehirns. *Arb. anat. Inst., Wiesbaden*, 1914, **52**, 85-144, pls. 5-10. [8f-7r: Tars]

1984. Ziehen, T. Beitrag zur Entwicklungsgeschichte des Gehirns von *Tarsius spectrum*. *Versl. gewone Vergad. Akad. Amst.*, 1904, **13**, (1), 259-267.—On the development of the brain in *Tarsius spectrum*. *Proc. Acad. Sci. Amst.*, 1904, **7**, (1), 331-340. [Tars]

1985. Zuckerman, S. & Fisher, R. B. Growth of the brain in the rhesus monkey. *Proc. zool. Soc. Lond.*, 1937, **107**, 529-538. [4t: Mc]

See also: 131a, 363, 1821, 1883, 1900, 1991a, 2058, 2063, 2064, 2084, 2144, 2224, 2232, 2293.

SPECIAL MORPHOLOGY OF THE BRAIN

VENTRICLES, EPENDYMA, CHOROID PLEXUS, MENINGES, MICROGLIA, &c.

1986. Bedford, T. H. B. The venous system of the velum interpositum of the rhesus monkey and the effect of experimental occlusion of the great vein of Galen. *Brain*, 1934, **57**, 255-265. [+++ 2f: Mc]

1987. Blake, J. A. The roof and lateral recesses of the fourth ventricle, considered morphologically and embryologically. *J. comp. Neurol.*, 1900, **10**, 79-108, pls. 4-10. [+ Pn Hyl Mc Pp Hap]

1988. Bluntschli, H. Beobachtungen über das Relief der Hirnwindungen und Hirnvenen am Schädel, über die Venae cerebri und die Pacchionischen Granulationen bei den Primaten. *Gegenbours Jb.*, 1910, **41**, 110-148, pl. 1. [16f-44r: Png Prsb Clb C-p Mc Mndr Ceb Atl Lm]

1989. Comini, Adele. Ricerche istologiche sui plessi coroidei dei mammiferi. *Riv. sper. Freniat.*, 1930, **53**, 460-485. [+ 6f-40r: C-c]

1990. Dendy, A. & Nicholls, G. E. On the occurrence of a mesocoelic recess in the human brain,

and its relation to the sub-commissural organ of lower vertebrates; with special reference to the distribution of Reissner's fibre in the vertebrate series and its possible function. *Anat. Anz.*, 1910, 37, 496–508, 1 pl. [+ 9f-11r: Pn]

1991. Dewulf, A. La microglie normale chez le singe (*Macacus rhesus*). *J. belge Neurol. Psychiat.*,* 1937, 37, 341–365, 12 pls. [Mc]

1991a. van Gelderen, C. Die Morphologie der Sinus durae matris. Zweiter Teil. Die vergleichende Ontogenie der neurokranialen Venen der Vögel und Säugetiere. *Z. Anat. EntwGesch.*, 1924, 74, 432–508. [+ 36f-192r: Prsb Mc ?C-p ?C-c Nyct-c Tars]

1992. van Gelderen, C. Die Morphologie der Sinus durae matris. Vierter Teil. Die vergleichende Ontogenie der Hirnhäute mit besonderer Berücksichtigung der Lage der neurokranialen Venen. *Z. Anat. EntwGesch.*, 1926, 78, 339–489. [64f-228r: Prsb Mc ?C-c Nyct-c Tars]

1993. Horsley, V. Note on the existence of Reissner's fibre in higher vertebrates. *Brain*, 1908, 31, 147–159. [+++ 13f-6r: Mc]

1993a. Kobayashi, Y. (Über die feinere Struktur der Epithelzellen des Plexus chorioideus junger Affen. *Seishin-Shinkei. Z.*, Tokyo*, 1936, 40, 805–809. [Jap: Mc]

1994. Kolmer, W. Über einen supraependymalen Nervenplexus in den Hirnventrikeln des Affen. *Z. Anat. EntwGesch.*, 1930, 93, 182–187. [6f: Mc]

1995. Kolmer, W. Über das Sagittalorgan, ein zentrales Sinnesorgan der Wirbeltiere, insbesondere beim Affen. *Z. Zellforsch.*, 1931, 13, 236–248. [10f-r: Mc]

1996. Krause, R. Untersuchungen über den Bau des Centralnervensystems der Affen. *Abh. preuss. Akad. Wiss., Physik. Kl.*, 1899 [1900], Abhang no. 3, 49 pp., 3 pls. [4f: Png Mc Atl]

1996a. Pines, J.-L. Über ein bisher unbeachtetes Gebilde im Gehirn einiger Säugetiere: Das subfornicale Organ des III. Ventrikels. *J. Psychol. Neurol., Lpz.*, 1926, 34, 186–193, pls. 31–33. [+ Lm]

See also: 998, 2058, 2230.

SPECIAL MORPHOLOGY OF THE BRAIN CEREBRAL ARTERIES & VEINS

1997. Abbie, A. A. The blood supply of the lateral geniculate body, with a note on the morphology of the choroidal arteries. *J. Anat., Lond.*, 1933, 67, 491–521. [+ 9f-36r: C-p Mc Pp Lag Lm]

1998. Abbie, A. A. The morphology of the fore-brain arteries, with especial reference to the evolution of the basal ganglia. *J. Anat., Lond.*, 1934, 68, 433–470. [+ 11f-40r: Lm]

1999. Beddard, F. E. Note on the brains of the potto (*Perodicticus potto*) and the slow loris (*Nycticebus tardigradus*), with some observations upon the arteries of the brain in certain primates. *Proc. zool. Soc. Lond.*, 1904, (1), 157–163. [4f: Lm Nyct-c Prdct]

2000. Critchley, M. The anterior cerebral artery, and its syndromes. *Brain*, 1930, 53, 120–165. [+ 14f-69r: Pp]

2001. Elze, C. Ueber das Verhalten der Arteria basilaris bei verschiedenen Species des Genus *Ateles*. *Anat., Anz.*, 1910, 37, 33–38; 304. [8f-9r: Atl]

2002. Fazzari, I. Le arterie del cervello. Studio anatomico-comparativo ed embriologico. *Mem. Accad. Lincei*, 1931, (6), 4, 333–418, 6 pls. [+ 59r: Mc Ceb]

2003. Grünbaum, A. S. F. & Sherrington, C. S. Note on the arterial supply of the brain in anthropoid apes. *Brain*, 1902, 25, Part 3, 270b–273b, 1 pl. [Pn Png]

2004. Hindze, B. Die Hirnarterien des Schimpansen. *Z. Morph. Anthropol.*, 1930, 27, 468–491, pls. 32–36. [6f-17r: Gr Pn]

2004a*. Hindze, B. K. (Die Hirnarterien von *Cynocephalus hamadryas*.) *Antrop. Zh.*, Mosk.,* 1932, no. 1, 107–112. [Russ. with Gr. abstr.: Pp]

2005. Lesem, W. W. The comparative anatomy of the anterior cerebral artery. *Post-Graduate*, 1905, 20, 455–465, 13 pls. [++ Prsb Mc Pp Ceb Atl]

2005a. Lorente de N6, R. Ein Beitrag zur Kenntnis der Gefässverteilung in der Hirnrinde. *J. Neurol. Psychol., Lpz.*, 1927, 35, 19–27, pls. 1–2. [++ Mc]

2005b. Luna, E. Studi sulla morfologia delle arterie dell'encefalo. Parte II. Morfologia e morfogenesi delle arterie profonde del bulbo e del ponte. *Ric. Morfol.*, 1920–21, 1, 37–85, pls. 1–2. [+ Mc]

2006. Rothmann, M. Ueber das Verhalten der Arteria cerebri anterior beim Affen, Anthropoiden und Menschen. *Arch. Psychiat. Nervenkr.*, 1903, 38, 278–287. [6f: Gr Pn Png Hyl C-p Mc Pp]

2007. Shellshear, J. L. The arteries of the brain of the orang-utan. *J. Anat., Lond.*, 1927, 61, 167–197, 4 pls. [8f-14r: Png]

2008. Shellshear, J. L. The arterial supply of the cerebral cortex in the chimpanzee (*Anthropopithecus troglodytes*). *J. Anat., Lond.*, 1930, 65, 45–87, 6 pls. [12f-26r: Pn Png Hyl C-p Mc]

2008a. Shellshear, J. L. The arterial supply of the cerebral cortex. *Proc. Acad. Sci., Amst.*, 1933, 36, 700–710, 1 pl. [+ 7f-13r: Gr]

2009. Staderini, R. Ricerche anatomico-comparativo sulla distribuzione delle arterie nella

superficie encefalica d'alcuni mammiferi. *Atti Accad. Fisiocr. Siena*, 1889, (4), 1, 5-29, pl. 1.
[+ *Prsb C-p Pp*]

2009a. Tschernyschew, A. & Grigorowsky, I. Über die arterielle Versorgung des Kleinhirns. I. Mitt.: Anatomisch-morphologisches Studium. *Arch. Psychiat. Nervenkr.*, 1930, 89, 482-569.
[+ 56f: *Mc*]

2010. Watts, J. W. A comparative study of the anterior cerebral artery and the circle of Willis in primates. *J. Anat., Lond.*, 1934, 68, 534-550.
[13f-r: *Pn Png Hyl C-p Ery-c C-c Mc Pp Ceb Lag Atl*]

See also: 144, 217, 376, 406, 407, 408, 409, 1839, 1848, 1991a, 2165a, 2218, 2231, 2997, 3004, 3007.

The Cerebral Cortex

FRONTAL LOBES

MORPHOLOGY—GYRI & SULCI

2011. v. Bischoff, [T. L. W.] Das Gorilla-Gehirn und die untere oder dritte Stirnwindung. *Morph. Jb.*, 1878, 4, Suppl., 59-73. [Gr *Pn*]

2012. v. Bischoff, T. [L. W.] Die dritte oder untere Stirnwindung und die innere obere Scheitelbogenwindung des Gorilla. *Morph. Jb.*, 1882, 7, 312-322. [Gr]

2013. Hervé, Georges. *La circonvolution de Broca. Étude de morphologie cérébrale.* Thèse, Paris, Delahaye & E. Lecrosnier, 1888, 164 pp., 4 pls.

2014. Hervé, G. Le circonvolution de Broca chez les primates. *Bull. Soc. Anthropol. Paris*, 1888, (3), 11, 275-315.

[4f: *Gr Png Hyl Pp*]

2015. Marchand, Felix. Die Morphologie des Stirnlappens und der Insel der Anthropomorphen. *Arb. path. Inst. Marburg*,* 1893, 2, 1-108 pp., 3 pls. [8f-nr: *Gr Pn Png*]

2016. Michaels, J. J. & Davison, C. Measurement of cerebral and cerebellar surfaces. VII. Measurement of the motor area in some vertebrates and in man. *Arch. Neurol. Psychiat., Chicago*, 1930, 23, 1212-1226. [+ 14f-6t: *Ceb*]

2016a. Mingazzini, G. Anatomische Beiträge zum Studium der Entwicklung des Stirnlappens des Schimpansen. *Folia neuropath. eston.*, 1925, 3-4, 1-10. [t: *Pn*]

2017. Rüdinger, [N.] Ein Beitrag zur Anatomie des Sprachcentrums. In: *Beiträge zur Biologie als Festgabe dem Anatomen und Physiologen Th. L. von Bischoff* [etc.]. Stuttgart: J. G. Cotta, 1882, viii, 349 pp., 5 pls. [pp. 135-191].

[Gr *Pn Png Hyl Pp*]

2018. Sergi, S. Il solco di Rolando ed il lobo frontale nell' *Hyllobates syndactylus*. *Monit. zool. ital.*, 1904, 15, 273-283. [2f-5t-9r: *Symph*]

See also: 1802, 2029, 2107, 2296.

Frontal lobes

CYTO- & MYELOARCHITECTURE

2019. von Bonin, G. Studies of the size of the cells in the cerebral cortex. II. The motor area of man, *Cebus* and cat. *J. comp. Neurol.*, 1938, 69, 381-390. [+ 2f-5t-10r: *Ceb*]

2020. Brodmann, [K.] Neue Ergebnisse über die vergleichende histologische Lokalisation der Grosshirnrinde mit besonderer Berücksichtigung des Stirnhirns. *Anat. Anz.*, 1912, 41, ErgH., 157-216. [+++ 52f-1t-nr: *Gr Pn Symph C-p Ery-c Mc Pp Mndr Ceb Hap Lm Chrg Indr*]

2021. Bucy, P. C. Frontal lobe of primates: relation of cyto-architecture to functional activity. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 546-557. [6f-1t-32r: *Pn Hyl Mc Pp Ceb*]

2022. Bucy, P. C. A comparative cytoarchitectonic study of the motor and premotor areas in the primate cortex. *J. comp. Neurol.*, 1935, 62, 293-331.

[10pl-24r: *Pn Png Mc Pp Lag Atl*]

2023. Kreht, H. Zur Volumengrösse der architektonischen Felder 55-66 einiger menschlicher Gehirne im Vergleich zu der des Schimpansen und Orang-Utan. *Z. mikr.-anat. Forsch.*, 1936, 39, 409-414. [++ 1t: *Pn Png*]

2024. Kreht, H. Zur Architektonik der Broca'schen Region beim Schimpansen und Orang-Utan. *Z. Anat. EntwGesch.*, 1936, 105, 654-677. [30f: *Pn Png*]

2025. Mayer, O. Mikrometrische Untersuchungen über die Zelldichtigkeit der Grosshirnrinde bei den Affen. *J. Psychol. Neurol., Lpz.*, 1912, 19, 233-251, pls. 8-9. [3f-3t: *Pn Hyl C-p Ery-c Saim Ceb Hap*]

2026. Mellus, E. L. A study of the location and arrangement of the giant cells in the cortex of the right hemisphere of the bonnet monkey (*Macacus sinicus*). *Amer. J. Anat.*, 1905, 4, 405-408. [3f: *Mc*]

2027. Mott, F. W., Schuster, E. & Sherrington, C. S. Motor localisation in the brain of the gibbon, correlated with a histological examination. *Proc. roy. Soc.*, 1911, B, 84, 67-74. Also: *Folia neuro-biol., Lpz.*, 1911, 5, 699-707. [3f: *Hyl*]

2028. Nañagas, J. C. Anatomical studies on the motor cortex of *Macacus rhesus*. *J. comp. Neurol.*, 1922, 35, 67-96. [10f-16r: *Mc*]

2029. von Niessl-Mayendorf, Erwin. *Vom Lokalisationsproblem der artikulierten Sprache.* Leipzig: J. A. Barth, 1930, viii, 186 pp. [+ 70f: *Gr Pn Pp*]

2030. Strasburger, E. H. Die myeloarchitektonische Gliederung des Stirnhirns beim Menschen und Schimpansen. II. Teil. Der Faserbau des Stirnhirns beim Schimpansen. *J. Psychol. Neurol., Lpz.*, 1937, 47, 565-606. [37f-7t-17r: *Pn*]

See also: 257, 1918, 3054, 3066.

Frontal lobes

PROJECTIONS—PYRAMIDAL TRACT

2031. Beevor, C. E. & Horsley, V. On the palio-tectal or cortico-mesencephalic system of fibres. *Brain*, 1902, 25, 436-443, 5 pls. [++ Mc]
2032. Ferrier, D. & Turner, W. A. An experimental research upon cerebro-cortical afferent and efferent tracts. *Philos. Trans.*, 1898, B, 190, 1-44, pls. 1-2. Abstr.: *Proc. roy. Soc.*, 1897-98, 62, 1-3. [+++ 3f-1t-42r: monkey]
2033. Fulton, J. F. & Sheehan, D. The uncrossed lateral pyramidal tract in higher primates. *J. Anat., Lond.*, 1935, 69, 181-187, 1 pl. [1f-23r: Pn]
2034. Häggqvist, G. Faseranalytische Studien über die Pyramidenbahn. *Acta psychiat., Kbh.*, 1937, 12, 457-466. [+++ 5f-10r: Mc]
2035. Hirasawa, K. & Kariya, K. Über die kortikalen extrapyramidalen Fasern aus dem motorischen Rindenfeld (Area 4a, b, c) beim Affen (*Macacus rhesus*). *Folia anat. japon.*, 1936, 14, 603-620. [9f-1t-34r: Mc]
2036. Hirasawa, K. & Katô, K. Über die Fasern insbesondere die corticalen extrapyramidalen aus den Areae 8 ($\alpha, \beta, \gamma, \delta$) und 9 (c, d). *Folia anat. japon.*, 1935, 13, 189-217. [+++ 7f-2t-nr: C-p Mc]
- 2036a. Hoff, E. C. The distribution of the spinal terminals (boutons) of the pyramidal tract, determined by experimental degeneration. *Proc. roy. Soc.*, 1932, B, 111, 226-237, pl. 10. [++ 3f: Mc]
2037. Hoff, E. C. Corticospinal fibers arising in the premotor area of the monkey. Distribution of bouton terminations. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 687-697. [12f: Mc]
2038. Hoff, E. C. & Hoff, H. E. Spinal terminations of the projection fibres from the motor cortex of primates. *Brain*, 1934, 57, 454-474, pl. 15. [12f-36r: Pn Hyl Mc]
2039. Holmes, G. & May, W. P. On the exact origin of the pyramidal tracts in man and other animals. *Brain*, 1909, 32, 1-43. [++ 9f-31r: Pn Mc Lm]
2040. Karplus, J. P. Über Hemisphärenextirpationen bei *Hapale* und *Macacus*. *Jb. Psychiat. Neurol.*, 1914, 36, 243-256. [17f: Mc Hap]
- 2040a.* Katô, K. & Uchishima, S. Experimentelle Studien über die Pyramidenbahn bei Affen. *Hokuetsu Igk. Z., Niigata*,* 1935, 50, 977-991, 1 pl. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1937, 6, (232). [Jap.: C-p]
2041. Kennard, Margaret A. Corticospinal fibers arising in the premotor area of the monkey as demonstrated by the Marchi method. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 698-711. [4f: C-p Mc]
2042. Levin, P. M. The efferent fibers of the frontal lobe of the monkey, *Macaca mulatta*. *J. comp. Neurol.*, 1936, 63, 369-419. [32f-nr: Mc]
2043. Levin, P. M. & Bradford, F. K. The exact origin of the cortico-spinal tract in the monkey. *J. comp. Neurol.*, 1938, 68, 411-422. [3f-22r: Mc]
- 2043a. Lewy, F. H. Das aberrierende Pyramidenbündel Picks. *Folia neuro-biol., Lpz.*, 1908, 2, 25-33. [+++ 7f: Affe]
2044. Meier-Müller, H. Physiologisch-anatomische Untersuchungen über die sog. Armregion der Grosshirnrinde. *Schweiz. Arch. Neurol. Psychiat.*, 1919, 5, 270-304. [+++ 3pl-2f-1t-67r: Pn]
2045. Mellus, E. L. Preliminary note on bilateral degeneration in the spinal cord of monkeys (*Macacus sinicus*) following unilateral lesion of the cortex cerebri. *Proc. roy. Soc.*, 1894, 55, 208-210. [Mc]
2046. Mellus, E. L. Experimental degenerations following unilateral lesions of the cortex cerebri in the bonnet monkey (*Macacus sinicus*). *Proc. roy. Soc.*, 1895, 58, 206-214. [Abstr]
2047. Mellus, E. L. Motor paths in the brain and cord of the monkey. *J. nerv. ment. Dis.*, 1899, 26, 197-209. [14f: Mc]
2048. Mellus, E. L. Relations of the frontal lobe in the monkey. *Amer. J. Anat.*, 1907, 7, 227-243. [20f: Mc]
2049. Mettler, F. A. Corticifugal fiber connections of the cortex of *Macaca mulatta*. The frontal region. *J. comp. Neurol.*, 1935, 61, 509-542. [10f-20r: Mc]
2050. Mingazzini, G. Beitrag zum Studium des Verlaufes einiger Bahnen des Zentralnervensystems des *Cynocephalus papias*. *Jb. Psychiat. Neurol.*, 1921, 41, 71-92. [14f: Pp]
2051. Rutishauser, F. Experimenteller Beitrag zur Stabkranzfaserung im Frontalhirn des Affen. *M Schr. Psychiat. Neurol.*, 1899, 5, 161-179, pls. 7-9. [3f: Affe]
2052. Rutishauser, Fritz. *Experimenteller Beitrag zur Stabkranzfaserung im Frontalhirn des Affen*. Inaug.-Diss. (Med.) Zürich. Berlin: S. Krager, 1902, 27 pp., 3 pls.
2053. Schäfer, E. A. Report on the lesions, primary and secondary, in the brain and spinal cord of the macaque monkey exhibited by Professors Ferrier and Yeo. *J. Physiol.*, 1883, 4, 316-326, pl. 12. [4f: Mc]
2054. Sherrington, C. S. Note on experimental degeneration of the pyramidal tract. *Lancet*, 1894, (1), 265. Cf. pp. 370-371, 439, 571. [+++ Mc]
2055. Simpson, S. & Jolly, W. A. Degenerations following experimental lesions in the motor cortex of the monkey. *Proc. roy. Soc. Edinb.*, 1907, 27, 281-301. [16f: C-p Mc]

2056. Verhaart, W. J. C. Die aberrierenden Pyramidenfasern bei Menschen und Affen. *Schweiz. Arch. Neurol. Psychiat.*, 1935, **36**, 170-190. [+++ 10f: Affen]

See also: 1940, 2102, 2136, 2184, 2133, 2255a, 2296, 2301, 2303, 2320, 2329, 3059, 3060, 3065, 3066, 3241.

PARIETAL, OCCIPITAL & TEMPORAL LOBES MORPHOLOGY—GYRI & SULCI

2057. Cunningham, D. J. The intraparietal sulcus of the brain. *J. Anat., Lond.*, 1890, **24**, 135-155, pl. 9.

[+ 9f: Pn Png Hyl C-c Pp Ceb]

2058. Flower, W. H. Observations on the posterior lobes of the cerebrum of the Quadrumana, with a description of the brain of a Galago. *Proc. roy. Soc.*, 1861, **11**, 376-381.

[Abstr.: Png C-p Ceb Gl]

2059. Flower, W. H. On the posterior lobes of the cerebrum of the Quadrumana. *Philos. Trans.*, 1862, **152**, 185-201, pls. 2-3. [It: Png Prsb C-p Mc Pp Ceb Hap Lm]

2060. Holl, M. Zur vergleichenden Anatomie des Hinterhauptlappens. *S. B. Akad. Wiss. Wien, Abt. 3*, 1907, **116**, 89-171, 4 pls. [++ 22r: Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Lag Brchyt Atl]

2061. Holl, M. Über Furchen und Windungen der Scheitel-Hinterhauptgegend an den Gehirnen der Affen der neuen Welt. *S. B. Akad. Wiss. Wien, Abt. 3*, 1908, **117**, 9-90, 6 pls. Abstr.: *Anz. Akad. Wiss. Wien*, 1908, **45**, 12-14. [8f-23r: Prsb C-p Mc Pp Aot Cal-c Pith Cacaj Saim Ceb Lag Atl Al Hap Oed-m]

2062. Holl, M. Die erste äusserer Übergangswindung der Ateles-Gehirne. *S. B. Akad. Wiss. Wien, Abt. 3*, 1909, **118**, 507-545, 1 pl. [r: Lag Atl]

2063. Hulshoff Pol, D. J. De aapspleet bij Semnopithecii embryo's. *Versl. gewone Vergad. Akad. Amst.*, 1916, **24**, (2), 1543-1557.—The fissura simialis in embryos of Semnopithecii. *Proc. Acad. Sci. Amst.*, 1916, **18**, (2), 1571-1585. Abstr.: *Werk. Genoot. Nat.-Genees.-en Heelk., Amst.*, 1917, (2), **8**, 630-632. [14f: Prsb Mc]

2064. Hulshoff Pol, D. J. De ontwikkeling der fossa sylvii bij Semnopithecus embryo's. *Versl. gewone Vergad. Akad. Amst.*, 1917, **25**, (2), 984-990.—The development of the fossa sylvii in embryos of Semnopithecus. *Proc. Acad. Sci. Amst.*, 1917, **19**, (2), 938-943. [6f: Prsb]

2065. Ingalls, N. W. The parietal region in the primate brain. *J. comp. Neurol.*, 1914, **24**, 291-341. [19f-r: Gr Hyl C-p Pp Pith Prdct]

2066. Jefferson, G. The morphology of the sulcus interparietalis (B.N.A.). *J. Anat., Lond.*, 1913, **47**, 365-380. [+ 7f-11r]

2067. Jefferson, G. A note on the sulcus post-central superior. *Anat. Anz.*, 1913, **44**, 91-101. [+ 2f-9r]

2068. Landau, E. Zur vergleichenden Anatomie des Hinterhauptlappens. *Folia neuro-biol., Lpz.*, 1915, **9**, 727-748. [++ 12f-nr: Gr Pn C-p Mc Pp Ceb Hap Lm]

2069. Landau, E. Symptomatologie des opercules de l'écorce visuelle. *Arch. Anat., Strasbourg*, 1933-34, **17**, 99-130. [+ 5f: Png C-p Mc Pp Mndr]

2069a. Marburg, O. Zur Morphologie des Schläfenlappens. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1926, **28**, 1-12. [++ 9f: Png Hyl Pp Lm]

2070. Mingazzini, G. Intorno alla morfologia dell' "Affenspalte." *Anat. Anz.*, 1893, **8**, 191-202. [+ 3f]

2071. Mott, F. W. The progressive evolution of the structure and functions of the visual cortex in Mammalia. *Arch. Neurol. Psychiat., London*, 1907, **3**, 1-48, 9 pls. Idem: *Trans. ophthalm. Soc. U. K.*, 1904-5, **25**, liii-cv. [++ nf-44r: Pn Mc Lm]

2072. Parker, A. J. The bridging convolutions in the primates. *Proc. Acad. nat. Sci. Philad.*, 1878, 159-162. [Abstr]

2073. Rüdinger, N. Ein Beitrag zur Anatomie der Affenspalte und der Interparietalfurche beim Menschen nach Race, Geschlecht und Individualität. *Beiträge zur Anatomie und Embryologie als Festgabe Jacob Henle*. Bonn: Max Cohen & Sohn, 1882, 186-198, pls. 21-24. [++ Gr Pn Png Hyl Mc Pp Mndr]

2074. Shellshear, J. L. The occipital lobe in the brain of the Chinese with special reference to the sulcus lunatus. *J. Anat., Lond.*, 1926, **61**, 1-13. [+ 31f-15r]

2075. Shellshear, J. L. The evolution of the parallel sulcus. *J. Anat., Lond.*, 1927, **61**, 268-278. [++ 10f-14r: Png Hyl Pp Lm]

2076. Smith, G. Elliot. The fossa parieto-occipitalis. *J. Anat., Lond.*, 1904, **38**, 164-169. [++ 2f]

2077. Smith, G. Elliot. The morphology of the occipital region of the cerebral hemisphere in man and the apes. *Anat. Anz.*, 1904, **24**, 436-451. [++ 9f: Pn Png C-p]

2078. Smith, G. Elliot. On the impossibility of instituting exact homologies between the sulci called "calcarine" in various primates. *Anat. Anz.*, 1910, **36**, 486-487. ["Apes"]

2079. Turner, W. Notes more especially on the bridging convolutions in the brain of the chimpanzee. *Proc. roy. Soc. Edinb.*, 1865-1866, **5**, 578-587. [3f: Pn]

2080. van Valkenburg, C. T. Over het voorkomen van een aapspleet bij den mensch. *Versl. gewone Vergad. Akad. Amst.*, 1912-13, **21**, (2),

996-1003.—On the occurrence of a monkey-slit in man. *Proc. Acad. Sci. Amst.*, 1913, 15, (2), 1040-1046. [+ 4f]

2081. Ziehen, T. Die Grosshirnfurchen des Hylobates- und Semnopithecusgehirnes nebst Bemerkungen über die Fissura parieto-occipitalis und den sog. Sulcus tempor. III. *Anat. Anz.*, 1896, 11, 470-481. [3f: Hyl Prsb]

2082. Zuckerkandl, E. Zur Anatomie der Fissura calcarina. *Arb. neurol. Inst. (Inst. Anat. Physiol. Zent. Nerv.) Univ. Wien*, 1906, 13, 25-61. [++ 19f-1t-nr: Pn Png Hyl C-p C-c Mc Pp Ceb]

2083. Zuckerkandl, E. Zur Anatomie der Übergangswindungen. *Arb. neurol. Inst. (Inst. Anat. Physiol. Zent. Nerv.) Univ. Wien*, 1906, 13, 141-169. [++ 16f-nr: Pn Png Hyl Prsb]

2084. Zuckerkandl, E. Zur Anatomie der Fissura parietooccipitalis medialis und des Sulcus intraparietalis. *S. B. Akad. Wiss. Wien, Abt. 3*, 1908, 117, 411-483. Abstr.: *Anz. Akad. Wiss. Wien*, 1908, 45, 332. [+++ 37f: Gr Pn Png Hyl Prsb Mc Pp Pith Chirop Saim Ceb Lag Brchyt Atl Al]

See also: 1815, 1844, 2012, 2017, 2111, 2114, 2115, 2118, 2133.

Parietal, occipital & temporal lobes

CYTO- & MYELOARCHITECTURE

2085. Alouf, I. Die vergleichende Cytoarchitektonik der Area striata. *J. Psychol. Neurol., Lpz.*, 1929, 38, 5-41, pls. 1-6. [+ 70f-47r: Pn Lm]

2086. Bárány, R. Ist die Zweiteilung der inneren Körnerschicht (Brodmann) der anatomische Ausdruck der besonderen Repräsentation der monokularen Gesichtsfelder in der Hirnrinde? *J. Psychol. Neurol., Lpz.*, 1925, 31, 289-294, pl. 67. [+ 5f: Hap]

2087. Beck, E. Das Hörzentrum des Schimpansen in seinem myelo-architektonischen Aufbau. Vorläufige Mitteilung. *J. Psychol. Neurol., Lpz.*, 1928, 36, 325-349. [11f: Pn]

2088. Beck, E. Der myeloarchitektonische Bau des in der Sylvischen Furche gelegenen Teiles des Schläfenlappens beim Schimpansen (*Troglodytes niger*). *J. Psychol. Neurol., Lpz.*, 1929, 38, 309-420, pls. 16-43. [48f-13r: Pn]

2089. Beck, E. Der Occipitallappen des Affen (*Macacus rhesus*) und des Menschen in seiner cytoarchitektonischen Struktur. I. Teil: *Macacus rhesus*. *J. Psychol. Neurol., Lpz.*, 1934, 46, 193-323, pls. 1-22. [28f: Mc]

2090. Clark, W. E. Le Gros. The visual cortex of primates. *J. Anat., Lond.*, 1925, 59, 350-357, 1 pl. [++ 4f-10r: Mc Ceb Lm Tars]

2091. Filimonoff, I. N. Über die Variabilität der Grosshirnrindenstruktur. Mitteilung III. Re-

gio occipitalis bei den höheren und niederen Affen. *J. Psychol. Neurol., Lpz.*, 1933, 45, 69-137, pls. 1-13. [98f-6t-23r: Png C-p]

2092. Henschen, S. E. Ljussinnesceller och färgsinnesceller i hjärnan. [Light and color sense nuclei in the brain.] *Hygiea, Stockh.*, 1929, 91, 705-731, 4 pls. [+ 4f-Gr. abstr.: Mc Pith Al Prdct]

2093. van't Hoog, E. G. Über Tiefenlokalisation in der Grosshirnrinde. *Psychiat. neurol. Bl., Amst.*, 1918, 22, 281-298. [++ 9f-2t-nr: Pn Mc Atl Hap Lm Lor]

2094. van't Hoog, E. G. On deep-localization in the cerebral cortex. *J. nerv. ment. Dis.*, 1920, 51, 313-329. [idem 2093]

2095. Ngowyang, G. Structural variations of the visual cortex in primates. *J. comp. Neurol.*, 1937, 67, 89-107. [29f-nr: Pn Png Mc Pp]

See also: 2025, 2026, 2065, 2213.

Parietal, occipital & temporal lobes

CORTICOFUGAL PROJECTIONS

2096. Biemond, Arie. *Experimenteel-anatomisch onderzoek omtrent de corticofugale optische verbindingen bij aap en konijn*. Acad. proefschr. (Geneesk.) Amsterdam, P. H. Vermeulen, 1929, 93 pp., 14 pls. [+++ 42f-nr: Mc]

2097. Biemond, A. Experimentell-anatomische Untersuchungen über die corticofugalen optischen Verbindungen bei Kaninchen und Affen. *Z. ges. Neurol. Psychiat.*, 1930, Orig., 129, 65-127. [++ 47f-101r: Affe]

2097a. Hirasawa, K., Okano, S. & Kamio, S. Beitrag zur Kenntnis über die corticalen extrapyramidalen Fasern aus der Area temporalis superior (Area 22) beim Affen. *Z. mikr.-anat. Forsch.*, 1938, 44, 74-84. [++ 5f: Mc]

2098. Koikegami, H. & Imogawa, M. Über die Fasern, insbesondere die kortikalen extrapyramidalen aus Area 19a der Grosshirnrinde beim Affen. *Gegenbaurs Jb.*, 1936, 77, 587-604. [9f-nr: Mc]

2099. Mettler, F. A. Corticifugal fiber connections of the cortex of *Macaca mulatta*. The occipital region. *J. comp. Neurol.*, 1935, 61, 221-256. [11f-35r: Mc]

2100. Mettler, F. A. Corticifugal fiber connections of the cortex of *Macaca mulatta*. The parietal region. *J. comp. Neurol.*, 1935, 62, 263-291. [14f-22r: Mc]

2101. Mettler, F. A. Corticifugal fiber connections of the cortex of *Macaca mulatta*. The temporal region. *J. comp. Neurol.*, 1935, 63, 25-47. [8f-18r: Mc]

2102. Minkowski, M. Étude sur les connexions anatomiques des circonvolutions rolandiques, pariétales et frontales. *Schweiz. Arch. Neurol. Psychiat.*, 1923, 12, 71-104, 227-268; 1924, 14, 255-278; 1924, 15, 97-132. [+++ 32f-166r: Mc]

2103. Sakuma, S. Über die Faserbeziehungen der Areae 7a und 7b. Unter besonderer Berücksichtigung der corticalen extrapyramidalen Bahnen beim Affen. *Z. mikr.-anat. Forsch.*, 1937, **42**, 70-80. [9f-38r: Mc]

2104. Thompson, W. H. Degenerations resulting from lesions of the cortex of the temporal lobe. *J. Anat., Lond.*, 1901, **35**, 147-165, pls. 18-19. [+++ 9f: Mc Cal-c Hap]

2105. Uesugi, M. Über die corticalen extrapyramidalen Fasern aus den sog. sensiblen Rindenfeldern (Areae 1 und 2) beim Affen. *Anat. Anz.*, 1937, **84**, 179-197. [9f-34r: Mc]

See also: 257, 1940, 2043, 2050, 2053, 2207, 2212, 2213.

THE INSULA MORPHOLOGY

2106. Anthony, R. L'anatomie comparée et la paléontologie humaine. *Anthropologie, Paris*, 1922, **32**, 67-82. [++ 3f]

2107. Anthony, R. & de Santa-Maria, A.-S. L'évolution du gyrus reuniens chez les primates. (L'insula antérieure et son operculisation.) *C. R. Acad. Sci., Paris*, 1911, **153**, 1250-1253. [3f: Pn Png]

2108. Anthony, R. & de Santa-Maria, A. S. Le territoire central du neopallium chez les primates. I.—Considérations sur la signification morphologique générale et l'operculation de l'insula antérieure chez les anthropoïdes et chez l'homme. *Rev. anthrop.*, 1912, **22**, 141-155. [++ 6f-r: Gr Pn C-p Lm]

2109. Anthony, R. & de Santa-Maria, A. S. Le territoire du néopallium chez les primates. II. Le circulaire supérieur de Reil et la suprasylvia chez les lémuriniens, les singes et l'homme. *Rev. anthrop.*, 1912, **22**, 275-290. [++ 7f-nr: Pn Clb C-p Mc Pp Ceb Lm]

2110. Anthony, R. & de Santa-Maria, A.-S. Territoire périphérique du neopallium chez les primates. I.—Le système operculaire supérieure du complexe sylvien chez les lémuriniens, les singes et l'homme. (Signification morphologique de ses parties constitutives.) *Bull. Soc. Anthropol. Paris*, 1912, (6), **3**, 293-317. [14f: Pn Png C-p-id Ceb Lag Lm Lp-l Daub]

2111. Cunningham, D. J. The Sylvian fissure and the island of Reil in the primate brain. *J. Anat., Lond.*, 1891, **25**, 286-291. [+ Pn Png Mc Pp Ceb]

2111a.* Deschin, A. A. (Zur Frage der Evolution der Gehirnrinde. Die Entwicklung des Zentralgebietes der Hirnrinde (Insel von Reil) und ihr Deckel bei Menschen, Primaten, Raubtieren.) *Anthrop. Zh., Mosk.*, 1934, no. 1-2, 68-78. [Russ. with Gr. abstr.]

2112. Ebersteller. Zur Anatomie und Morphologie der Insula Reillii. *Anat. Anz.*, 1887, **2**, 739-750. [+ 2f: Ceb]

2113. Holl, M. Ueber die Insel des Menschen- und Anthropoidengehirns. *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1902, 1-44, pls. 1-2. [+ Pn Png Hyl ?Mc]

2114. Holl, M. Zur vergleichenden Morphologie der "vorderen Insel" des menschlichen Gehirns. *S. B. Akad. Wiss. Wien, Abt. 3*, 1908, **117**, 325-364, 4 pls. Abstr.: *Anz. Akad. Wiss. Wien*, 1908, **45**, 335-336. [++ 1f-13r: Pn Png]

2115. Holl, M. Die Insel des Menschen- und Affenhirns in ihrer Beziehung zum Schläfenlappen. *S. B. Akad. Wiss. Wien, Abt. 3*, 1908, **117**, 365-410, 5 pls. Abstr.: *Anz. Akad. Wiss. Wien*, 1908, **45**, 333-334. [+++ 11r: Png Mc]

2116. Holl, M. Über bisher unbekannte Bildungen im hintersten Inselgebiet des Menschen- und Affenhirns. *S. B. Akad. Wiss. Wien, Abt. 3*, 1909, **118**, 129-178, 4 pls. [+++ 7r: Gr Pn Png Hyl Prsb C-p Mc Pp Atl]

2117. Holl, M. Die Entwicklung der Bogenwindung an der hinteren Insel des Menschen- und Affenhirns. *S. B. Akad. Wiss. Wien, Abt. 3*, 1909, **118**, 265-371, 2 pls. [+++ r: Gr Pn Png Hyl Prsb C-p Mc Pp Ceb Brchyt Atl]

2118. Waldeyer, W. Sylvische Furche und Reil'sche Insel des Genus *Hylobates*. *S. B. preuss. Akad. Wiss.*, 1891, (1), 265-277, pl. 2. [nr: Symph]

2119. Waldeyer, W. Ueber die "Insel" des Gehirns der Anthropoiden. *KorrespBl. dtsh. Ges. Anthrop.*, 1891, **22**, 110-112. [4f: Gr Pn Png Symph]

See also: 1802, 2015, 2017, 2064, 2149, 2150.

The insula

CYTO- & MYELOARCHITECTURE

2120. Major, H. C. The structure of the island of Reil in apes. *Lancet*, 1877, (2), 45-46, 84-85. [2f: Pn C-p Pp]

2121. Ngowyang, G. Beschreibung einer Art von Spezialzellen in der Inselrinde zugleich Bemerkungen über die v. Economoschen Spezialzellen. *J. Psychol. Neurol., Lpz.*, 1932, **44**, 671-674. [+ 2f: Pn]

2121a. Ngowyang, G. Neuere Befunde über die Gabelzellen. *Z. Zellforsch.*, 1936, **25**, 236-239. [4f: Pn Png]

2122. Rose, M. Die Inselrinde des Menschen und der Tiere. *J. Psychol. Neurol., Lpz.*, 1928, **37**, 467-624, pls. 2-39. [+ 114f: Pp Lm]

THE RHINENCEPHALON
MORPHOLOGY, CYTO- &
MYELOARCHITECTURE

2123. Altschul, R. Vergleichende Untersuchungen über den Uncus gyri hippocampi (Affenuncus). *Z. ges. Neurol. Psychiat.*, 1933, **147**, 478-488. [+++ 3f-9r: Pn Mc]

2124. Altschul, R. Die Glomeruli der Area praesubicularis. *Z. ges. Neurol. Psychiat.*, 1933, **148**, 50-54. [++ 2f: Pn Mc]

2124a. Krypsin-Exner, W. Vergleichend-anatomische-Studien über dem Substantia perforata anterior der Säugetiere. *Arb. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1920, **23**, no. 1, 148-187. [++ 5f-r: Png C-p]

2125. Lorente de N6, R. Studies on the structure of the cerebral cortex. I. The area entorhinalis. *J. Psychol. Neurol., Lpz.*, 1933, **45**, 381-438. [+ 31f-r: Mc]

2126. Lorente de N6, R. Studies on the structure of the cerebral cortex. II. Continuation of the study of the ammonic system. *J. Psychol. Neurol., Lpz.*, 1934, 113-177. [+ 36f-r: Mc]

2127. Rose, M. Der Allocortex bei Tier und Mensch. I. Teil. *J. Psychol. Neurol., Lpz.*, 1926, **34**, 1-111, pls. 1-30. [+ 21f-74r: Lm]

2128. Rose, M. Die sog. Riechrinde beim Menschen und beim Affen. II. Teil des "Allocortex bei Tier und Mensch." *J. Psychol. Neurol., Lpz.*, 1927, **34**, 261-401, pls. 42-76. [++ 13f: Pn Pp Lm]

2129. Rose, M. Gyrus limbicus anterior und Regio retrosplenialis. (Cortex holoprotoptychos quinquestratificatus). Vergleichende Architektonik bei Tier und Mensch. *J. Psychol. Neurol., Lpz.*, 1927, **35**, 65-173, pls. 6-26. [+ 63f-r: Pn Lm]

2130. Rose, Stella. Vergleichende Messungen im Allocortex bei Tier und Mensch. *J. Psychol. Neurol., Lpz.*, 1927, **34**, 250-255. [++ 11t: Pn Pp Lm]

2131. Sgonina, K. Die Entorhinalregion des Gorillas im Vergleich zum Menschen und Schimpansen. *S. B. Ges. naturf. Fr. Berl.*, 1937, 111-114. [3f: Gr Pn]

See also: 1800, 1805, 1812, 1830, 1929, 2121a, 2152.

The rhinencephalon

FIBER TRACTS

2132. Beevor, C. E. On the course of the fibres of the cingulum and the posterior parts of the corpus callosum and fornix in the marmoset monkey. *Philos. Trans.*, 1891, **B**, **182**, 135-199, pls. 20-24. [Mc Hap]

See also: 2184.

CORPUS CALLOSUM, ASSOCIATION FIBERS
& INTERNAL CAPSULE

2133. Milch, E. C. Sensory cortical area. An experimental anatomic investigation. *Arch. Neurol. Psychiat., Chicago*, 1932, **28**, 871-882. [+++ 9f: C-p]

2133a. Tumbelaka, R. Das Gehirn eines Affen, worin die interhemisphäriale Balkenverbindung fehlt. *Folia neuro-biol., Lpz.*, 1915, **9**, 1-64. [26f-89r: Ceb]

See also: 1858, 1893, 1895, 2048, 2049, 2099, 2100, 2101, 2104, 2105, 2184, 2211.

Basal Ganglia, Diencephalon,
Cerebellum & Brain-Stem

MORPHOLOGY, CYTOARCHITECTURE
& TRACTS

Comprehensive & General Studies

2134. Atlas, D. & Ingram, W. R. Topography of the brain stem of the rhesus monkey with special reference to the diencephalon. *J. comp. Neurol.*, 1937, **66**, 263-289. [20f-2t-19r: Mc]

2135. Friedemann, M. Die Cytoarchitektonik des Zwischenhirns der Cercopitaken mit besonderer Berücksichtigung des Thalamus opticus. *J. Psychol. Neurol., Lpz.*, 1911, **18**, ErgH., 309-378, pls. 7-24. [43r: C-p]

2136. Fuse, G. Vergleichend-anatomische Beobachtungen am Hirnstamme der Säugetiere. *Arb. anat. Inst. Sendai*, 1926, **12**, 1-168, 54 pls. [+ 131f-1t: Png Nas Mc Cacaj Hap Leon-c Lm Nyct-c]

2137. Goldin, L. S. Typen des menschlichen Hirnstamms. *Arch. Psychiat. Nervenkr.*, 1931, **95**, 264-272. [+ 2f-3t: Ery-c Mc Pp Mndr]

2138. Krause, R. & Klempner, S. Untersuchungen über den Bau des Centralnervensystems der Affen. Das Hinter- und Mittelhirn vom Orang Utan. *Abh. preuss. Akad. Wiss.*, 1904, Anhang no. 3, 60 pp., 4 pls. [vnt: Png]

2139. Krause, R. & Klempner, S. Untersuchungen über den Bau des Zentralnervensystems der Affen. *Z. Morph. Anthrop.*, 1905, **9**, 59-102, pls. 7-8. [Pn Png Mc]

2140. Mussen, A. T. A cytoarchitectural atlas of the brain stem of the *Macacus rhesus*. *J. Psychol. Neurol., Lpz.*, 1923, **29**, 451-518, pls. 41-73. [23r: Mc]

2141. Tilney, F. The brain stem of *Tarsius*. A critical comparison with other primates. *J. comp. Neurol.*, 1927, **43**, 371-432. [16f-9t-13r: Gr Pn Png Hyl Mc Pp Al Hap Lm Tars]

2142. Woollard, H. H. Epicritic and dyscritic systems in a primitive primate. *J. Anat., Lond.*, 1928, 62, 276-289. [8f: Tars]

2143. Walker, A. Earl, *The primate thalamus*. Chicago: University Chicago Press, 1938, xxiv, 321 pp. [95f-vnr: Pn Mc]

2144. Ziehen, T. Einiges über den Faserverlauf im Mittel- und Zwischenhirn von *Tarsius spectum*. *M Schr. Psychiat. Neurol.*, 1903, 14, 54-61. [1f: Tars]

BASAL GANGLIA

MORPHOLOGY & CYTOARCHITECTURE

2145. Ayala, G. Weitere Untersuchungen über den Nucleus subputaminalis. *J. Psychol. Neurol., Lpz.*, 1924, 30, 285-295, pls. 13-16. [+ Pn]

2146. Grünthal, E. Vergleichend anatomische Untersuchungen über den Zellbau des Globus pallidus und Nucleus basalis der Säuger und des Menschen. *J. Psychol. Neurol., Lpz.*, 1932, 44, 403-428. [++ 34f: Pn Mc]

2147. Gurewitsch, M. Cytoarchitektonische Gliederung des Neostriatum der Säugetiere. *Z. Anat. EntwGesch.*, 1930, 93, 723-742. [+ 11f: Png C-p]

2148. Johnston, J. B. Further contributions to the study of the evolution of the forebrain. *J. comp. Neurol.*, 1923, 35, 337-481. [+ 102f-r: Mc]

2149. Landau, E. The comparative anatomy of the nucleus amygdalae, the claustrum and the insular cortex. *J. Anat., Lond.*, 1919, 53, 351-360. [+ 4f-20r: Mc]

2150. Landau, E. Quelques nouvelles considérations sur l'avant-mur (claustrum). *Arch. Anat., Strasbourg*, 1936, 23, 165-181. [+ 8f: Pp]

2151. Spiegel, E. Die Kerne im Vorderhirn der Säuger. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1919, 22, 418-497. [+ 17f-nr: Gr Png Hyl Pp Myst]

2152. Völsch, M. Zur vergleichenden Anatomie des Mandelkerns und seiner Nachbargebilde. II. Teil. *Arch. mikr. Anat.*, 1910, 76, 373-523. [++ 28f: C-p Mc Lm]

See also: 1906.

Basal ganglia

CONNECTIONS

2153. Papez, J. W. Reciprocal connections of the striatum and pallidum in the brain of *Pithecus (Macacus) rhesus*. *J. comp. Neurol.*, 1938, 69, 329-349. [7f-nr: C-c Mc Pp]

2154. Wilson, S. A. K. An experimental research into the anatomy and physiology of the corpus striatum. *Brain*, 1914, 36, 427-492. [+++ 26f-82r: Mc]

See also: 2032, 2049, 2255, 3190.

THALAMUS & GENICULATE BODIES

NUCLEI & CYTOARCHITECTURE

2155. Aronson, L. R. & Papez, J. W. Thalamic nuclei of *Pithecus (Macacus) rhesus*. II. Dorsal thalamus. *Arch. Neurol. Psychiat., Chicago*, 1934, 32, 27-44. [69r: Mc]

2155a.* Balado, M. & Franke, E. Estudios sobre las vias ópticas. Geniculado externo del maimon—*Pithecus nemestrinus nemestrinus* Linneo. *Día méd., B. Aires.*, * 1931, 3, 890- [Mc]

2156. Clark, W. E. Le Gros. The thalamus of *Tarsius*. *J. Anat., Lond.*, 1930, 64, 371-414, 2 pls. [22f-38r: C-p Lm Tars]

2157. Clark, W. E. Le Gros. A morphological study of the lateral geniculate body. *Brit. J. Ophthalm.*, 1932, 16, 264-284, 2 pls. [++ 7f-nr: Png Mc Lm Mcr-c Chrg Tars]

2158. Clark, W. E. Le Gros. The medial geniculate body and the nucleus isthmi. *J. Anat., Lond.*, 1933, 67, 536-548, 1 pl. [+ 3f-nr: Tars]

2159. Crouch, R. L. Nuclear configuration of thalamus of *Macacus rhesus*. *Proc. Soc. exp. Biol., N. Y.*, 1933, 30, 1319-1321. [Mc]

2160. Crouch, R. L. The nuclear configuration of the thalamus of *Macacus rhesus*. *J. comp. Neurol.*, 1934, 59, 451-485. [12f: Mc]

2161. Grünthal, E. Der Zellbau im Thalamus der Säuger und des Menschen. Eine beschreibend und vergleichend anatomische Untersuchung. *J. Psychol. Neurol., Lpz.*, 1934, 46, 41-112. [++ 95f-2t-nr: Pn Mc]

2162. Környey, S. Zur vergleichenden Morphologie des lateralen Kniehöckers der Säugetiere. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien.*, 1928, 30, 93-120. [+ 9f-nr: Gr Png Hyl Affe Lm Chrg]

2163. Mann, G. On the thalamus. *Brit. med. J.*, 1905, (1), 289-294. [Hap]

2164. Möller, J. Ein interessanter Befund am Chiasma n. o. des Chimpanse. *Anat. Anz.*, 1889, 4, 539-545. [4f: Pn]

2165. Mussen, A. Some new observations on the pulvinar of the *Macacus rhesus*. *17th Int. Congr. Med., Lond.*, 1912, sect. 1, part 2, 75-78. [Mc]

2165a. Pellicer Taboada, R. Note sur la structure du corps genouillé externe. *Trab. Lab. Invest. biol. Univ. Madr.*, 1927-28, 25, 319-329. [+++ 7f: Mc]

2166. Pines, J.-L. Zur Architektonik des Thalamus opticus beim Halbaffen (*Lemur catta*). *J. Psychol. Neurol., Lpz.*, 1927, 33, 31-72, pls. 2-8. [48r: Lm]

2167. Rioch, D. McK. A note on the centre médian nucleus of Luys. *J. Anat., Lond.*, 1931, 65, 324-327, 2 pls. [++ C-p Ceb Lm]

2168. Roussy, Gustave. *La couche optique (étude anatomique, physiologique et clinique); Le syndrome thalamique.* Thèse (Med.) Paris, G. Steinheil, 1907, 349 pp., 1 pl. [+ 111f: singe]

2169. Sachs, E. Eine vergleichende anatomische Studie des Thalamus opticus der Säugetiere. *Arb. neurol. Inst. (Inst. Anat. Physiol. ZentrNerv.) Univ. Wien*, 1908, 17, 280-306. [+ 11f: Png Hyl Nas Mc Pp Ceb Atl Lm]

2170. Sachs, E. On the structure and functional relations of the optic thalamus. *Brain*, 1909, 32, 95-186. [++ 79f-nt-161r: Mc]

2171. Tartuferi, F. Studio comparativo del tratto ottico e dei corpi genicolati nell'uomo, nella scimmia e nei mammiferi inferiori. *Mem. R. Acad. Torino*, 1883, (2), 34, 101-123, 2 pls. Abstr.: *Atti Accad. Torino*, 1881, 16, 575-577. [+ 6f: C-p]

2172. Vogt, C. La myéloarchitecture du thalamus du cercopithèque. *J. Psychol. Neurol., Lpz.*, 1909, 12, ErgH., 285-324, pls. 2-10. [It-nr: C-p]

2173. Walker, A. E. A note on the thalamic nuclei of *Macaca mulatta*. *J. comp. Neurol.*, 1937, 66, 145-155. [1f-It-11r: Mc]

2174. Walker, A. E. The thalamus of the chimpanzee. II. Its nuclear structure, normal and following hemidecortication. *J. comp. Neurol.*, 1938, 69, 487-507. [6f-25r: Pn]

2175. Woollard, H. H. & Beattie, J. The comparative anatomy of the lateral geniculate body. *J. Anat., Lond.*, 1927, 61, 414-423. [++ 5f: Aot Lm Prdct Glg]

See also: 1893, 1906, 1923, 1931, 1932, 1961, 1997, 2042, 2135, 2140, 2142, 2178, 2188, 2189, 2199, 2200, 2204, 2215, 2221, 2222, 2240, 2453.

THALAMUS:

AFFERENT & EFFERENT PROJECTIONS

2176. Clark, W. E. Le Gros. The termination of ascending tracts in the thalamus of the macaque monkey. *J. Anat., Lond.*, 1936, 71, 7-40. [11f-20r: Mc]

2177. Clark, W. E. Le Gros. The connexions of the arcuate nucleus of the thalamus. *Proc. roy. Soc.*, 1937, B, 123, 166-176, pls. 4-5. [+++ 4f-10r: Mc]

2178. Clark, W. E. Le Gros & Boggon, R. H. The thalamic connections of the parietal and frontal lobes of the brain in the monkey. *Philos. Trans.*, 1935, B, 224, 313-358, pls. 23-27. [27f-23r: Mc]

2179. Clark, W. E. Le Gros & Northfield, D. W. C. The cortical projection of the pulvinar in the macaque monkey. *Brain*, 1937, 60, 126-142, pl. 4. [9f: Mc]

2180. Crouch, R. L. & Thompson, J. K. The efferent fibers of the thalamus of *Macacus rhesus*. I. Lateral and ventral nuclei. *J. comp. Neurol.* 1938, 69, 255-271. [8f-16r: Mc]

2181. Crouch, R. L. & Thompson, J. K. Termination of the brachium conjunctivum in the thalamus of the macaque monkey. *J. comp. Neurol.*, 1938, 69, 449-452. [2r: Mc]

2182. Poljak, S. Die zuführenden Bahnen des Vorderhirns und ihre Rindenbeziehungen auf Grund experimenteller Untersuchungen an Affen. *Z. ges. Neurol. Psychiat.*, 1930, 125, 138-162. [9f-vnr: Mc]

2183. Poliak, S. The main afferent fiber systems of the cerebral cortex in primates. An investigation of the central portion of the somato-sensory, auditory, and visual paths of the cerebral cortex, with consideration of their normal, and pathological function, based on experiments with monkeys. *Univ. Calif. Publ. Anat.*, 1932, 2, xiv, 370 pp. Abstr.: *Arch. neurol. Psychiat.*, Chicago, 1934, 31, 635-651. [96f: Mc]

2184. Probst, M. Weitere Untersuchungen über die Grosshirnfaserung und über Rindenreizversuche nach Ausschaltung verschiedener Leitungsbahnen. *S. B. Akad. Wiss. Wien, Abt. 3*, 1905, 114, 173-312. [+++ 32f-nr: Mc]

2185. Sager, Oscar. *Recherches sur la somatotopie sensitive dans le thalamus des singes, étudiée par la méthode de la dégénérescence rétrograde.* Harlem: De Erven F. Bohn, 1933, 139 pp. [44f-nr: Mc]

2186. Walker, A. E. The thalamic projection to the central gyri in *Macacus rhesus*. *J. comp. Neurol.*, 1934, 60, 161-184. [13f-21r: Mc]

2187. Walker, A. E. The retrograde cell degeneration in the thalamus of *Macacus rhesus* following hemidecortication. *J. comp. Neurol.*, 1935, 62, 407-419. [4f-13r: Mc]

2188. Walker, A. E. An experimental study of the thalamo-cortical projection of the macaque monkey. *J. comp. Neurol.*, 1936, 64, 1-39. [21f-nr: Mc]

2189. Walker, A. E. The thalamus in relation to the cerebral cortex. *J. nerv. ment. Dis.*, 1937, 85, 249-261. [++ 1f-58r: Mc]

2190. Walker, A. E. Experimental anatomical studies of the topical localization within the thalamus of the chimpanzee. *Proc. Acad. Sci. Amst.*, 1937, 60, 198-206. [5f-8r: Pn]

2191. Walker, A. E. The thalamus of the chimpanzee. I. Terminations of the somatic afferent systems. *Confinia neurol.*,* 1938, 1, 99-127. [9f-47r: Pn]

2192. Walker, A. E. The anatomical basis of the thalamic syndromes. *J. belge Neurol. Psychiat.*,* 1938, 38, 69-95. [++ 11f-vnr: Pn]

2194. Walker, A. E. The thalamus of the chimpanzee. IV. Thalamic projections to the cerebral cortex. *J. Anat., Lond.*, 1938, 73, 37-93. [34f-nr: Pn]

See also: 2032, 2044, 2049, 2102, 2133, 2170, 2174, 2207, 2212, 2213, 2275, 2283, 2286, 2301, 2330.

LATERAL GENICULATE BODY:

AFFERENT & EFFERENT PROJECTIONS

2195. Brody, S. Preliminary investigation concerning the representation of the fovea in the external geniculate body of the monkey. *Proc. Acad. Sci. Amst.*, 1934, 37, 724-731, 2 pls. [2f-14r: Mc]

2196. Brouwer, Bernardus. *Anatomical, phylogenetical, and clinical studies on the central nervous system*. Baltimore: Williams & Wilkins, 1927, 67 pp. [+ 16f-r]

2197. Brouwer, B. & Zeeman, W. P. C. Experimental anatomical investigations concerning the projection of the retina on the primary optic centres in apes. *J. Neurol. Psychopath.*, 1925, 6, 1-10. [8f-11r: monkey]

2197a. Brouwer, B., van Heuven, G. J. & Biemond, A. Experimenteel-anatomische onderzoekingen over de optische systemen in de hersenen. *Versl. gewone Vergad. Akad. Amst.*, 1928, 37, (2), 512-527.—Experimentell-anatomische Untersuchungen über die optischen Systeme im Gehirn. *Proc. Acad. Sci. Amst.*, 1928, 31, 603-619. [+++ 14f-r: Mc]

2198. Brouwer, B. & Zeeman, W. P. C. The projection of the retina in the primary optic neuron in monkeys. *Brain*, 1926, 49, 1-35. [24f-29r: monkey]

2198a. Brugi, G. La terminazione del tratto ottico nel "Cynocephalus hamadryas." *Atti Accad. Fisiocr. Siena, Sez. med.-fis.*, 1934, (11), 2, Proc. verb., 194-195. [Abstr.]

2199. Brugi, G. Studi su di alcune speciali connessioni del corpo genicolato laterale dei primati e dell'uomo. *Arch. ital. Anat. Embriol.*, 1937, 38, 356-386, pls. 3-4. [++ 53r: Pp]

2200. Clark, W. E. Le Gros & Penman, G. G. The projection of the retina in the lateral geniculate body. *Proc. roy. Soc.* 1934, B, 114, 291-313, pls. 18-23. [+++ 13f: Mc]

2201. Dean, G. & Usher, C. H. Experimental research on the course of the optic fibres. *Trans. ophthal. Soc. U. K.*, 1896, 16, 248-276, pls. 8-10. [+++ 19f: Mc]

2202. Dean, G. & Usher, C. H. Experimental research on the course of the optic fibres. (Second communication.) *Brain*, 1903, 26, 524-542, 4 pls. [+++ 1f: Mc]

2203.* van Heuven, G. J. *Experimenteel-anatomisch onderzoek omtrent de corticale optische projectie bij den Java-aap*. Amsterdam: P. H. Vermeulen, 1929, 64 pp. [Mc]

2204. Minkowski, M. Über den Verlauf, die Endigung und die zentrale Repräsentation von gekreuzten und ungekreuzten Sehnervenfasern bei einigen Säugetieren und beim Menschen. *Schweiz. Arch. Neurol. Psychiat.*, 1920, 6, 201-252; 1920, 7, 268-303. [++ 19f-nr: Mc]

2205. Minkowski, M. Sur les conditions anatomiques de la vision binoculaire dans les voies optiques cérébrales. *Encéphale*, 1922, 17, 65-96, 9 pls. [+ nr: Mc]

2206. Parsons, J. H. Degenerations following lesions of the retina in monkeys. *Brain*, 1902, 25, part 3, 257b-269b, 2 pls. [2f-15r: Mc]

2207. Pénard, S. Zur Frage der Beziehungen zwischen Sehrinde und primären optischen Zentren auf Grund von experimentellen Studien an Affen. *Schweiz. Arch. Neurol. Psychiat.*, 1935, 36, 131-163. [Affe]

2208. Poljak, S. Projection of the retina upon the cerebral cortex, based upon experiments with monkeys. *Proc. Ass. nerv. ment. Dis.*, 1932 [1934], 13, 535-557. [+++ 12f: monkey]

2209. Poljak, S. A contribution to the cerebral representation of the retina. *J. comp. Neurol.*, 1933, 57, 541-617. [+++ 29f-vnr: Mc]

2210. Poljak, S. & Hayashi, R. The cerebral representation of the retina in the chimpanzee. *Brain*, 1936, 59, 51-60. [3f-r: Pn]

2211. Putnam, T. J. Studies on the central visual system. II. A comparative study of the form of the geniculostriate visual system of mammals. *Arch. Neurol. Psychiat.*, Chicago, 1926, 16, 285-300. [++ 10f-nr: Pn Ceb Oed-m Lm]

See also: 2032, 2102, 2174, 2182, 2183, 2187, 2189, 2243.

MEDIAL GENICULATE BODY:

AFFERENT & EFFERENT PROJECTIONS

2212. Clark, W. E. Le Gros. The thalamic connections of the temporal lobe of the brain in the monkey. *J. Anat., Lond.*, 1936, 70, 447-464, 2 pls. [9f: Mc]

2213. Rundles, R. W. & Papez, J. W. Fiber and cellular degeneration following temporal lobectomy in the monkey. *J. comp. Neurol.*, 1938, 68, 267-296. [12f-31r: C-c Pp]

2214. Walker, A. E. The projection of the medial geniculate body to the cerebral cortex in the macaque monkey. *J. Anat., Lond.*, 1937, 71, 319-331. [8f-35r: Mc]

2215. Walker, A. E. & Fulton, J. F. The thalamus of the chimpanzee. III.—Metathalamus, normal structure and cortical connections. *Brain*, 1938, 61, 250-268, pl. 14. [16f-21r: Pn]

See also: 2032, 2143, 2174, 2182, 2183, 2187, 2189.

HYPOTHALAMUS & SUBTHALAMUS

2216. Crouch, R. L. Nuclear configuration of subthalamus and hypothalamus of *Macacus rhesus*. *Proc. Soc. exp. Biol.*, N. Y., 1932, 30, 1321-1322. [Mc]

2217. Crouch, R. L. The nuclear configuration of the hypothalamus and the subthalamus of *Macacus rhesus*. *J. comp. Neurol.*, 1934, 59, 431-449. [8f-r: Mc]

2218. Finley, K. H. The capillary bed of the paraventricular and supra-optic nuclei of the hypothalamus. *Res. Publ. Ass. Res. nerv. ment. Dis.*, 1937 [1938], 18, 95-109. [+++ 14f-23r: monkey]

2218a. Fuse, G. Beiträge zur Histomorphologie des Corpus mammillare als eines unvollständigen Faltenkerns bei Orang-Utan, Silbergibbon, buntfarbigen Gibbon, Siamang und schwarzem Klammeraffen, sowie vergleichende Bemerkungen über das Corpus mammillare auf Grund der von mir bei anderen Affen gewonnenen Ergebnisse und der anderer Forscher. *Arb. anat. Inst. Sendai*, 1938, 21, 237-347. [++ 82f: esp. Png Hyl Symp Prsb Clb C-p C-c Mc Thr-p Pp Aot Atl Lag Hap Leon-c]

2219. Grünthal, E. Der Zellaufbau im Hypothalamus des Kaninchens und des *Macacus rhesus* nebst einigen allgemeinen Bemerkungen über dieses Organ. *J. Psychol. Neurol.*, Lpz., 1931, 42, 425-464. [++ 70f: Mc]

2220. Grünthal, E. Über das spezifisch Menschliche im Hypothalamusbau. Eine vergleichende Untersuchung des Hypothalamus beim Schimpansen und Menschen. *J. Psychol. Neurol.*, Lpz., 1933, 45, 237-263. [++ 53f-1t: Gr Pn Png Mc]

2221. Grünthal, E. Neuere Ergebnisse vergleichend anatomischer Untersuchungen des Zwischenhirns der Säuger und das spezifisch Menschliche in seinem Bau. *Naturwissenschaften*, 1933, 21, 521-525. [+ 2f-2t: Pn Mc]

2222. Grünthal, E. Newer results in the comparative anatomic investigation of the midbrain of mammals, particularly its structure in man. *J. nerv. ment. Dis.*, 1935, 81, 14-23. [++ 2f-2t-9r: Pn Mc]

2222a.* [Monakhov, K. K.] [Cytoarchitectonic structure of the hypothalamus.] *J. med.-biol.*, Moscow, 1926, 2, 59-71. [+ 9f: Russ. with Gr. abstr.; Biol. Abstr., 1930, 4, no. 2315: Lm]

2222b. Naito, M. (Der zytologische Bau der "Pars tuberoinfundibularis" des Hypothalamus des Affen. Untersuchungen über den Hypothalamus. VII.) *Osaka Igk. Z.*,* 1936, 35, 1663-1675, 3 pls. [Jap.: Mc Pn]

2223. Papez, J. W. & Aronson, L. R. Thalamic nuclei of *Pithecus (Macacus) rhesus*. I. Ventral thalamus. *Arch. Neurol. Psychiat.*, Chicago, 1934, 32, 1-26. [17f: Mc]

2223a. Sasaki, H. (Zytologische Untersuchungen des Corpus mamillare vom Hypothalamus des Affen. Untersuchungen über den Hypothalamus. VIII.) *Osaka Igk. Z.*,* 1936, 35, 2273-2278, 1 pl. [Jap.: Pn Mc]

See also: 1893, 1923, 2049, 2170, 2229a, 2231, 3193.

HYPOPHYSIS

2224. Bolk, L. Over de ontwikkeling der hypophyse van de primaten in 't bijzonder bij *Tarsius* en den mensch. *Versl. gewone Vergad. Akad. Amst.*, 1910, 19, (1), 667-675.—On the development of the hypophysis of primates especially of *Tarsius*. *Proc. Acad. Sci. Amst.*, 1911, 13, (2), 660-666. [+++ 4f: Mc Tars]

2225. Kolmer, W. Quergestreifte Muskelfaser in der Pars infundibularis der Affenhypophyse. *Anat. Anz.*, 1931, 71, 443-444. [1f: Mc]

2226. Plaut, A. Die Hypophysis eines Schimpansen. *Anat. Anz.*, 1922, 56, 177-180. [Pn]

2227. Plaut, A. Die Hypophysis eines Orang-Utang. Nebst Bemerkungen über die sogenannte Pars intermedia bei Menschenaffen und Mensch. *Anat. Anz.*, 1930, 68, 408-415. [+++ 4f-18r: Pn Png]

2228. Plaut, A. Investigations on the pars intermedia of the hypophysis in anthropoid apes and man. *J. Anat.*, Lond., 1936, 70, 242-249. [+++ 17r: Pn Png Hyl Ceb Lag]

2229. Pokorny, F. Zur vergleichenden Anatomie der Hypophyse. *Z. Anat. EntwGesch.*, 1926, 78, 308-331. [+ 17f-34r: C-p Pp]

2229a.* Vergara, A. Nota acerca de las relaciones entre la hipofisis y los centros diencefálicos en el *Macacus rhesus*. *Rev. mex. Biol.*, 1926, 6, 47-49. [1f: Mc]

2230. Wislocki, G. B. The meningeal relations of the hypophysis cerebri. I. The relations in adult mammals. *Anat. Rec.*, 1937, 67, 273-293, 3pls. [++ 4f-r: Mc]

2230a. Wislocki, G. Further observations on the blood supply of the hypophysis cerebri of the rhesus monkey. *Anat. Rec.*, 1938, 72, 137-150. [6f: Mc]

2231. Wislocki, G. B. & King, L. S. The permeability of the hypophysis and hypothalamus to vital dyes, with a study of the hypophyseal vascular supply. *Amer. J. Anat.*, 1936, 58, 421-472. [++ 28f-r: Mc]

2232. Woerdeman, M. Vergleichende Ontogenie der Hypophysis. *Arch. mikr. Anat.*, 1914, 86, 198-291. [+ 39f-47r: Mc Pr-p Tars]

See also: 202, 651, 1961, 3193a.

EPITHALAMUS—PINEAL GLAND

2233. Cutore, G. Alcune notizie sul corpo pineale del *Macacus sinicus* L. e del *Cercopithecus griseus viridis* L. *Atti. Accad. gioenia*, 1912, (5), 5, no. 6, 7 pp. Also: *Folia neuro-biol.*, Lpz., 1912, 6, 267-276. [4f: C-p Mc]

2234. Favaro, G. Le fibre nervose prepineali e pineali nell'encefalo dei mammiferi. *Arch. ital. Anat. Embriol.*, 1904, 3, 750-789, pls. 44-46.

[+ 62r: Hap]

2235. Herring, P. T. The pineal region of the mammalian brain: its morphology and histology in relation to function. *Quart. J. exp. Physiol.*, 1927, 17, 125-147, pls. 12-23. [+ 32r: Mc]

2235a. Kaneko, K. Über einige Entwicklungseinheiten der Epiphyse beim buntfarbigen Gibbon *Hyllobates variegatus s. agilis* Desm. *Arb. anat. Inst. Sendai*, 1937, 20, 87-96, 7 pls. [Hyl]

2236. Kolmer, W. Ganglienzellen als konstanter Bestandteil der Zirbel von Affen. *Z. ges. Neurol. Psychiat.*, 1929, 121, 423-428.

[3f: Mc Pp]

2236a.* Kurozu, T. Über die Ganglienzellen in der Zirbeldrüse bei den Affen. *Kaibogaku-Zasshi*,* 1932, 5.

[Japanese]

2237. Lecchini, S. I. Contributo allo studio della struttura e dell'innervazione della ghiandola pineale nei primati. *Atti Accad. Fisiocr. Siena*, 1936, (11), 3, 715-723, 1 pl.

[nr: Pp]

2238. Levin, P. M. A nervous structure in the pineal body of the monkey. *J. comp. Neurol.*, 1938, 68, 405-409.

[4f-4r: Mc Atl Al]

2238a. Lucas-Keene, M. F. The connexions of the posterior commissure. A study of its development and myelination in the human foetus, of its phylogenetic development, and of degenerative changes resulting from certain experimental lesions. *J. Anat., Lond.*, 1938, 72, 488-501, 3 pls.

[+ 1t-4f: Mc]

2239. Möller, J. Einiges über die Zirbeldrüse des Chimpanse. *Verh. Naturf. Ges. Basel*, 1886-90, 8, 755-760, pl. 12.

[Pn]

2239a. Suzuki, Y. Beiträge zur Anatomie des Epithalamus, besonders der Epiphyse, bei den Primaten. *Arb. anat. Inst. Sendai*, 1938, 21, 45-141, 74 pls.

[++ 4t-76r: Png Hyl

Prsb Clb C-p C-c Mc Thr-p Pp Aot Cal-c Cacaj Ceb Lag Atl Hap Leon-c Lm Pr-p Prdct]

See also: 651, 2155, 2156.

MESENCEPHALON

2239b. Alexander, A. Untersuchungen über die zentrale Haubenbahn. *Arb. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien.*, 1931, 33, 261-288.

[++ 12f-43r: Png Hyl Prsb Ceb Hap Lm]

2240. Atlas, D. & Ingram, W. R. A note on the topography of the pretectal area of the monkey. *J. comp. Neurol.*, 1937, 66, 291-299.

[2pl-20r: Mc]

2241. Bach, L. Zur Lehre von den Augenmuskellähmungen und den Störungen der Pupil-

lenbewegung. Eine vergleichende und pathologisch-anatomische, experimentelle und klinische Studie über die Augenmuskelkerne, das Ganglion ciliare, die Reflexbahnen und das Reflexcentrum der Pupille. *v. Graefes Arch. Ophthal.*, 1898, 47, 339-386, pls. 13-14; 551-630, pl. 28.

[++ Hap]

2242. Bauer, J. Die Substantia nigra Soemmeringii. Eine vergleichend-anatomische Studie nebst einem Beitrag zur Kenntnis des dunkeln Pigmentes der Nervenzellen. *Arb. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1909, 17, 435-512.

[+ 6f-vnr: Png Hyl Mc Pp Ceb Atl Lm]

2243. Bernheimer, S. Die Reflexbahn der Pupillarreaction. Nach anatomischen Untersuchungen an embryonalen Gehirnen des Menschen und Experimenten am Affen. *v. Graefes Arch. Ophthal.*, 1898, 47, 1-49, pls. 1-2.

[++ 1f-nr: Mc]

2244. Brouwer, B. Klinisch-anatomische Untersuchung über den Oculomotoriskern. *Z. ges. Neurol. Psychiat.*, 1918, Orig., 40, 152-193.

[+ 5f-82r: Pn Mc Hap Lm]

2245. Clark, W. E. Le Gros. The mammalian oculomotor nucleus. *J. Anat., Lond.*, 1926, 60, 426-448, 1 pl.

[++ 7f: Mc Hap Lm Nyct-c Glg Tars]

2246. Collier, J. & Buzzard, F. Descending mesencephalic tracts in cat, monkey and man; Monakow's bundle; the dorsal longitudinal bundle; the ventral longitudinal bundle; the pontospinal tracts, lateral and ventral; the vestibulospinal tract; the central tegmental tract (centrale Haubenbahn); descending fibres of the fillet. (The tracts from the nuclei fastigii to Deiters's nuclei; descending thalamo-spinal fibres; a tract from the inferior collicular region to the ventral column of the spinal cord.) *Brain*, 1901, 24, 177-221, 24 pls.

[+ nr: monkey]

2247. Frank, C. Intorno alla mia scoperta di due nuclei del mesencefalo dell'uomo ed ulteriori studi sui nuclei oculomotori dei mammiferi. *Arch. gen. Neurol. Psychiat.*, 1930, 11, (1), 1-40, pls. 1-6.

[+ Gr. abstr.: Mc]

2248. Fraser, E. H. A further note on the prepyramidal tract (Monakow's bundle). *J. Physiol.*, 1902, 28, 366-374.

[++ 9f-16r: monkey]

2248a. Fuse, G. Das gewundene Grau oder der Olivenkern des vorderen Zweihügels, Nucleus olivaris corporis quadrigemini anterioris, bei Mensch und Tier. *Arb. anat. Inst. Sendai*, 1936, 19, 49-486.

[+++ 1t-356f: Png Hyl Prsb Nas Clb C-c Mc Thr-p Pp Aot ?Cal-c Cacaj Hap Myst Leon-c Lm Pr-p Prdct]

2248b. Fuse, G. Ein neuer Versuch zur Untertheilung des Nucleus ruber tegmenti bei den Karnivoren und zur phylogenetischen Bewertung seiner Entwicklung unter Berücksichtigung der an

- Karnivoren und Affen gewonnenen Ergebnisse. *Arb. anat. Inst. Sendai*, 1938, 20, 123-188, 69 pls. [+ 26f: esp. Png Mc Aot ?Cal-c Hap Leon-c Lm Prct]
2249. Hatschek, R. Beitrag zur Frage der Menschenähnlichkeit des *Ateles*-Gehirns. *Anat. Anz.*, 1908, 32, 389-394. [5f-10r: Png Hyl Atl]
2250. Hunter, J. I. The oculomotor nucleus of *Tarsius* and *Nycticebus*. *Brain*, 1923, 46, 38-48. [7f-12r: Nyct-c Tars]
- 2250a.* Ibayashi, S. (Ein Beitrag zur Kenntnis der Substantia nigra vom Orang-Utan.) *Hokkaido Ig. Z., Sapporo*,* 1931, 9, 1600-1672, 1 pl. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1934, 4, (84). [2f-Jap.: Mc]
2251. von Monakow, C. Der rote Kern der Säugetiere und des Menschen. *Neurol. Zbl.*, 1910, 29, 724-727. [+ Abstr]
2252. Rothmann, M. Das Monakow'sche Bündel beim Affen. *Mshr. Psychiat. Neurol.*, 1901, 10, 363-382, pl. 8. Abstr.: *Arch. Psychiat. Nervenkr.*, 1903, 36, 933-934. [Mc]
2253. Verhaart, W. J. C. Die zentrale Hautbahn bei Affen und Menschen. *Schweiz. Arch. Neurol. Psychiat.*, 1936, 38, 270-283. [++ 4f-r: Mc]
2254. Verhaart, W. J. C. The rubrospinal system with monkey's and man. *Psychiat. neurol. Bl., Amst.*, 1938, 42, 335-342, 3 pls. [Hyl Mc]
2255. Verhaart, W. J. C. A comparison between the corpus striatum and the red nucleus as subcortical centra of the cerebral motor system. *Psychiat. neurol. Bl., Amst.*, 1938, 42, 666-737, 10 pls. [++ 69r: Hyl Mc]
- 2255a. Verhaart, W. J. C. The connections of the red nucleus with the higher and lower parts of the central nervous system and its part in preventing decerebrate rigidity. *Acta psychiat. Kbh.*, 1938, 13, 313-326. [+++ 1f: Mc]
2256. Wechsler, I. S. The substantia nigra: a brief comparative anatomical study. *Neurol. Bull.*, 1921, 3, 130-134. [+ 9r]
2257. Zweig, H. Vergleichenden Anatomie des zentralen Höhlengraus der Wirbeltieren. *Jb. Psychiat. Neurol.*, 1921, 41, 18-38. [+ 7f-ur: Png Lm]
- See also: 1893, 2031, 2042, 2056, 2096, 2097, 2190, 2207, 2223, 2276, 2295, 2301, 2304.
- CEREBELLUM**
MORPHOLOGY
2258. Bolk, L. Beiträge zur Affen-Anatomie. IV. Das Kleinhirn der Neuweltaffen. *Morph. Jb.*, 1902, 31, 44-84, pl. 2. [26f: Saim Ceb Atl Al Hap Myst]
2259. Bolk, L. Hauptzüge der vergleichenden Anatomie des Cerebellum der Säugetiere, mit besonderer Berücksichtigung des menschlichen Kleinhirnes. *Mshr. Psychiat. Neurol.*, 1902, 12, 432-467. [+++ 6f: Lm]
2260. Bolk, L. Das Cerebellum der Säugetiere; eine vergleichend anatomische Untersuchungen. Teil I-III. *Ned. Bijdr. Anat.*, 1904, 3, 1-136; 1905, 3, 485-598; 1906, 4, 115-194. Apart: Harlem: de Erven F. Bohn, 1906, v, 333 pp., 3 pls. [+ 183f: Pn Png Hyl Symph Prsb C-p Mc Pp Mndr Saim Ceb Atl Al Hap Leon-c Lm Nyct-c Prct]
2261. Bradley, O. C. The mammalian cerebellum: its lobes and fissures. Part I. *J. Anat. Lond.*, 1904, 38, 448-475, pls. 46-50. [+]
2262. Bradley, O. C. The mammalian cerebellum: its lobes and fissures. Part II. *J. Anat. Lond.*, 1905, 39, 99-117, pls. 24-28. [++ C-c Mc Cyn-p Aot Ceb Lag Atl]
2263. Haller, G. Über das Kleinhirn der Säugetiere und des Menschen. *Gegenbaurs Jb.*, 1931, 66, 532-582. [++ 33f: Gr Png Hyl C-c P-p Aot Saim Lm]
2264. Ingvar, S. Zur Phylo- und Ontogenese des Kleinhirns. *Folia neuro-biol., Lpz.*, 1918, 11, 204-495. [+ 84f-t-vnr: Png Mc Ceb]
2265. Luna, E. Il cervelletto dell' orang-utan. *Monit. zool. ital.*, 1911, 22, 105-112. [3f-14r: Png]
2266. Mussen, A. T. The cerebellum. A new classification of the lobes based on their reactions to stimulation. *Arch. Neurol. Psychiat., Chicago*, 1930, 23, 411-459. [+ 7f: Mc]
2267. Mussen, A. T. The cerebellum. The influence of the cortical reactions on the classification and the homology of the lobes and fissures in the cat, monkey and man. *Arch. Neurol. Psychiat., Chicago*, 1930, 24, 913-920. [monkey]
2268. Riley, H. A. The mammalian cerebellum. A comparative study of the arbor vitae and folial pattern. *Arch. Neurol. Psychiat., Chicago*, 1928, 20, 895-1034. [++ 41f: Gr Pn Png Mc Pp Ceb Atl Hap Lm]
2269. Riley, H. A. The lobules of the mammalian cerebellum and cerebellar nomenclature. *Arch. Neurol. Psychiat., Chicago*, 1930, 24, 227-256. [++ 24f: see 2268]
2270. Smith, G. Elliot. The primary subdivision of the mammalian cerebellum. *J. Anat. Lond.*, 1902, 36, 381-385. [+ 1f]
2271. Stroud, B. B. The morphology of the ape cerebellum. *Proc. Sess. Ass. Amer. Anat.*,* 1897 [1898], 10, 107-126. [2pl-1f-15r: Gr Pn Png]
2272. Tilney, F. Genesis of cerebellar functions. *Arch. Neurol. Psychiat., Chicago*, 1923, 9, 137-169. [+ 12f: Gr Pn Png Hyl Al Lm]
- See also: 1839, 1840, 1893, 1906, 1911, 2181.

Cerebellum

CYTOARCHITECTURE & CONNECTIONS

2273. Clarke, R. H. & Horsley, V. On the intrinsic fibres of the cerebellum, its nuclei and its efferent tracts. *Brain*, 1905, 28, 13-29, 9 pls. [+ 1f-4t-8r: Mc]

2274. Dow, R. S. Efferent connections of the flocculo-nodular lobe in *Macaca mulatta*. *J. comp. Neurol.*, 1938, 68, 297-305. [5f-11r: Mc]

2274a. Gans, A. Beitrag zur Kenntnis des Aufbaus des Nucleus dentatus aus zwei Teilen, namentlich auf Grund von Untersuchungen mit der Eisenreaktion. *Z. ges. Neurol. Psychiat.*, 1924, 93, 750-756. [++ 3f: Pn Ceb Lm]

2275.* Marchi, Vittorio. *Sull'origine e decorso dei peduncoli cerebellari e sui loro rapporti cogli altri centri nervosi*. Firenze: successori Le Monnier, 1891, 38 pp., 5 pl. Review: *J. Anat., Lond.*, 1892, 26, 568-573. [see no. 3223]

2276. Mussen, A. T. Symposium on the cerebellum. (4) Experimental investigations on the cerebellum. *Brain*, 1927, 50, 313-349. [+ 28f-28r: Mc]

2277.* Nasedkin, V. A. [Morphology and comparative anatomy of the dentate nucleus of the cerebellum in man, monkeys and other mammals.] *Russk. Arkh. Anat.*, 1929, 8, 137-148. [+ 22f Russ. with Fr. abstr.: Png-id Mc Pp Hap]

2278. Obersteiner, H. Der feinere Bau der Kleinhirnrinde bei Menschen und Tieren. *Biol. Zbl.*, 1883, 3, 145-155. [+ t: C-p]

2278a. v. Sántha, K. Die Cajal-Smirnowschen Fasern—ein normaler Bestandteil des menschlichen Palaeocerebellums. *Arch. Psychiat. Nervenkr.*, 1931, 93, 142-158. [+ 8f: C-p]

2279. Ziehen, T. Beiträge zur vergleichenden Anatomie des Kleinhirns. 2. Zu den Verbindungsbahnen des Flocculus bei den Primaten. *Anat. Anz.*, 1935, 80, 25-37. [++-2f-r: Hap]

See also: 2176, 2255, 2281, 2284, 2285, 2300, 2301, 2301a, 2303, 2327, 2330, 2331, 2333, 2335, 3211, 3217, 3218, 3223, 3228.

PONS & MEDULLA OBLONGATA

2280. Bertrand, I. & Mareschal, P. Sur les caractères morphologiques de perfectionnement du complexe olivaire inférieur chez les anthropoïdes et chez l'homme. *C. R. Soc. Biol., Paris*, 1933, 114, 1098-1100. [++ Gr Pn Png Hyl]

2281. Blakeslee, G. A., Freiman, I. S. & Barrera, S. E. The nucleus lateralis medullae. An experimental study of its anatomic connections in *Macacus rhesus*. *Arch. Neurol. Psychiat., Chicago*, 1938, 39, 687-699. [10f: Mc]

2282. Bruce, A. N. The arcuate nucleus in man, the anthropoid apes, and the microcephalic idiot. *Rev. Neurol. Psychiat.*, 1914, 12, 51-53, pls. 1-2. [+ Gr Pn Png Hyl]

2283. von Economo, C. Über dissoziierte Empfindungslähmung bei Ponstumoren und über die zentralen Bahnen des sensiblen Trigemini. *Jb. Psychiat. Neurol.*, 1911, 32, 107-138, pls. 1-8. [+ Mc]

2284. Ferraro, A. & Barrera, S. E. Summary of clinical and anatomical findings following lesions in the dorsal column system of *Macacus rhesus* monkeys. *Res. Publ. Ass. nerv. ment. Dis.*, 1934 [1935], 15, 371-395. [10f-8r: Mc]

2285. Ferraro, A. & Barrera, S. E. The nuclei of the posterior funiculi in *Macacus rhesus*. An anatomic and experimental investigation. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 262-275. [6f-15r: Mc]

2286. Ferraro, A. & Barrera, S. E. Lamination of the medial meniscus in *Macacus rhesus*. *J. comp. Neurol.*, 1936, 64, 313-324. [8f-10r: Mc]

2287. Fraser, E. H. An experimental research into the relations of the posterior longitudinal bundle and Deiters' nucleus. *J. Physiol.*, 1901, 27, 372-397. [++ 36f-41r: monkey]

2287a. Fuse, G. Beiträge zur mikroskopischen Anatomie des Truncus cerebri: Ein weiterer Beitrag zu dem bislang unbekanntem resp. nicht genügend berücksichtigten Grau in der Zone zwischen der spinalen Quintuswurzel und der oberen Olive ("Zona quinto-olivaris superior"), insbesondere über den Seitenstrangkern des Pons bei einigen Säugern [etc.]. *Arch. anat. Inst. Sendai*, 1922, 7, 1-64, 36 pls. Abstr.: *Jap. J. med. Sci.*, 1925, 2, no. 2, 92. [++ Png Lm Nyct-c]

2288. Grossmann, M. Über die intrabulbären Verbindungen des Trigemini zum Vagus. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1906, 13, 194-211. [+++ 7f-14r: Mc]

2289. Hofmann, F. Die obere Olive der Säugtiere nebst Bemerkungen über die Lage der Cochlearisendkerne. Eine vergleichend anatomische studie. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 14, 76-328. [+ 36f-nr: Png Hyl Prsb Nas Mc Pp Atl Lm]

2290. Hülles, E. Zur vergleichenden Anatomie der cerebralen Trigeminiwurzel. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1907, 16, 469-586. [+ 4f-19r: Png Hyl Mc Atl]

2291. Kallius, Erich Wilhelm Henrich. *Ueber die Medulla spinalis und die Medulla oblongata von Troglodytes niger*. Inaug.-Diss. (Med.) Berlin, G. Schade, 1892, 39 pp. [14r: Pn]

2292. Krause, R. & Klempner, S. Untersuchungen über den Bau des Centralnervensystems der

Affen. Das Nachhirn vom Orang Utan. *Abh. preuss. Akad. Wiss.*, 1904, Anhang no. 1, 36 pp., 2 pls. [vnt: Png Mc]

2293. van London, D. M. Ueber die Medulla oblongata von *Nycticebus javanicus*. *Mschr. Psychiat. Neurol.*, 1903, 14, 353-365. [6f: Nyct-c]

2294. Malone, E. F. The nucleus cardiacus nervi vagi and the three distinct types of nerve cells which innervate the three different types of muscle. *Amer. J. Anat.*, 1913, 15, 121-129. [+++ 1p: Mc Lm]

2295. May, O. & Horsley, V. The mesencephalic root of the fifth nerve. *Brain*, 1910, 33, 175-203. [++ 13f-37r: Mc]

2296. Mingazzini, G. Über die zentrale Hypoglossusbahn. Experimentelle und anatomische Forschungen. *J. Psychol. Neurol., Lpz.*, 1923, 29, 273-402, pl. 34-40. Abstr.: *Arch. Neurol. Psychiat., Chicago*, 1924, 11, 352-356. [+++ 31f-vnr: C-c Mc Pp]

2297. Mott, F. W. Unilateral descending atrophy of the fillet, arciform fibres and posterior column nuclei resulting from an experimental lesion in a monkey. *Brain*, 1898, 21, 180-185, 3pls. [10r: C-p]

2298. Shima, R. Zur vergleichenden Anatomie des dorsalen Vaguskerne. *Arch. Neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 17, 190-216. [+ 6f-r: Png Hyl Nas Pp Atl Lm]

2299. Solá, J. E. Contribución al estudio de las degeneraciones secundarias retrógradas. Lesiones producidas en el núcleo del espinal, XI par, por arrancamiento de su tronco nervioso en el Artopitecos hapale. *Sem. méd., B. Aires*, 1932, 39, (2), 462-473. [++ 13f: Hap]

2300. Spitzka, E. C. The peduncular tracts of the anthropoid apes. *J. nerv. ment. Dis.*, 1879, 6, 461-487. [nt: Pn Png Pp Ceb]

2301. Spitzer, A. & Karplus, J. P. Über experimentelle Läsionen an der Gehirnbasis. (Anatomische Ergebnisse nebst einigen physiologischen Bemerkungen.) *Arch. Neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien.*, 1907, 16, (2), 348-436, pls. 4-8. [+++ 1f: Mc]

2301a. Syk, I. Über einige Kerne in der Gegend des Lateralrecessus beim Orangutan. *Arch. Neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1921, 23, no. 2, 177-191. [7f: Png]

2302. Taylor, E. W. The minute anatomy of the oblongata and pons of the chimpanzee (*Trogodytes niger*) with special reference to their homologies with man. *J. Boston Soc. med. Sci.*, 1898, 3, 1-23, 2 pls. [11f: Pn]

2303. Weil, A. A comparative quantitative study in proprioceptive tracts of mammals. *J. comp. Neurol.*, 1927, 44, 61-67. [++ 2f-2t-4r: Gr Pn Hyl Tars]

2304. Weinberg, E. The mesencephalic root of the fifth nerve. A comparative anatomical study. *J. comp. Neurol.*, 1928, 46, 249-405. [+ 35f-3t-nr: Mc]

2305. Williams, E. M. Vergleichend anatomische Studien über den Bau und die Bedeutung der Oliva inferior der Säugetiere und Vögel. *Arch. Neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 17, 118-149. [++ 9f-r: Png Hyl Nas Mc Pp Atl Lm]

See also: 1893, 2032, 2041, 2042, 2043, 2043a, 2045, 2049, 2190, 2252, 2253, 2279, 2328, 2334, 2338, 2343, 2361, 3217, 3218, 3241.

Spinal Cord

GENERAL MORPHOLOGY

2306. Figueiredo-Rodrigues, J. A. Das Rückenmark des Orang-Utan. *Arch. mikr. Anat.*, 1902, 59, 417-456, pls. 23-24. [Png]

2307. FitzGerald, Mabel P. An investigation into the structure of the lumbo-sacral-coccygeal cord of the macaque monkey (*Macacus sinicus*). *Proc. roy. Soc.*, 1906, B, 78, 88-144. [23f-21t: Mc]

2308. Lassek, A. M. A comparative volumetric study of the gray and white substance of the spinal cord. *J. comp. Neurol.*, 1935, 62, 361-376. [+ 9f-10t-12r: monkey]

2309. Pisani, D. & Balduzzi, O. Sulla topografia vertebro-midollare nel *Macacus rhesus*. *Riv. Antrop.*, 1925, 26, 335-342, 1 pl. [3t-nr: Mc]

2310. Sergi, S. Sulla topografia vertebro-midollare nello cimpanzè. Nota I. *R. C. Accad. Lincei*, 1920, (5), 29, (2), 394-397. [1f-4t: Pn]

2311. Sergi, S. Studi sul midolla spinale dello cimpanzè. *Riv. Antrop.*, 1920-21, 24, 301-390, 12 pls. [32t-nr: Pn]

2312. Virchow, H. Über das Rückenmark der Anthropoiden. *Anat. Anz.*, 1888, 3, 509-510. [Pn Png Hyl]

See also: 1803, 1811, 1825, 1826a, 1827, 1866, 1974.

Spinal cord

GRAY CELL-COLUMNS

2313. Bauer, J. Vergleichend anatomische Untersuchung der hinteren Rückenmarkswurzeln der Säugetiere, nebst Bemerkungen zur tabischen Hinterstrangerkrankung. *Arch. Neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 17, 98-117. [+ 5f-r: Png Hyl Nas Pp Lm]

2314. Foerster, O., Gagel, O. & Sheehan, D. Veränderungen an den Endösen im Rückenmark des Affen nach Hinterwurzdurchschneidung. *Z. Anat. EntwGesch.*, 1933, 101, 553-565.
[13f-5r: Mc]

2314a. Gagel, O. Zur Frage der vegetativen Zentren im Rückenmark. *Z. ges. Neurol. Psychiat.*, 1931, 134, 499-511. [+++ 12f: Mc]

2315. Mott, F. Microscopical examination of Clarke's column in man, the monkey, and the dog. *J. Anat., Lond.*, 1888, 22, 479-495.
[++ 9f: Mc]

2316. Phalen, G. S. & Davenport, H. A. Pericellular end-bulbs in the central nervous system of vertebrates. *J. comp. Neurol.*, 1937, 68, 67-81.
[+ 2pl-1t-26r: monkey]

2317. Reich, Z. Vom Aufbau der Mittelzone des Rückenmarks. (Beitrag zur Kenntnis ihrer zelligen Bestandteile mit besonderer Berücksichtigung der Mittelzellen.) *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 17, 314-358, pls. 6-7. [+ 3f-r: Png Pp Lm]

2318. Sano, F. Beitrag zur Kenntnis der motorischen Kerne im Rückenmark der Wirbeltiere. *Anat. Anz.*, 1905, 27, ErgH., 9-15.
[++ 11f: C-p C-c Cyn-p]

2319. Sano, T. Vergleichend-anatomische und physiologische Untersuchungen über die Substantia gelatinosa des Hinterhorns. *Arch. neurol. Inst. (Inst. Anat. Physiol. ZentNerv.) Univ. Wien*, 1908, 17, 1-71, 7 pls.
[+ 2f-nt-r: Png Hyl Mc Pp Lm]

2320. Schäfer, E. A. Some results of partial transverse section of the spinal cord. (Preliminary note.) *J. Physiol.*, 1899, 24, xxii-xxiv.
[+++ Abstr.]

2321. Sergi, S. I gruppi cellulari miarabdottici nella regione cervicale del midollo spinale dello cimpanzè. Nota preventiva e riassuntiva. *R. C. Accad. Lincei*, 1924, (5), 33, (2), 348-352.
[Pn]

2322. Sergi, S. I gruppi cellulari miarabdottici nella regione toracica ed i limiti tra regione toracica e regione lombare nel midollo spinale dello cimpanzè. Nota preventiva e riassuntiva. *R. C. Accad. Lincei*, 1924, (5), 33, (2), 437-440.
[It: Pn]

2323. Sergi, S. I gruppi cellulari miarabdottici della regione lombo-sacrale del midollo spinale dello cimpanzè. Nota preventiva e riassuntiva. *R. C. Accad. Lincei*, 1924, (5), 33, (2), 514-518.
[Pn]

2324. Sergi, S. Studi sul midollo spinale dello cimpanzè. IV. I gruppi cellulari miarabdottici. (Nuclei motorii cornu ventralis). *Riv. Antrop.*, 1926-27, 27, 181-281, 32 pls.
[1t-nr: Pn]

2325. Sherrington, C. S. On out-lying nerve-cells in the mammalian spinal-cord. *Philos. Trans.*, 1890, B, 181, 33-48, pls. 3-4.
[+ 1t: Pn]

2326. Waldeyer, [W.] Das Gorilla-Rückenmark. *Abh. preuss. Akad. Wiss.*, 1888, no. 3, 147 pp., pls. 10-21. [Gr]

See also: 2037, 2038, 2306, 2307, 2308, 2311, 2327, 2335, 2337, 2341, 2343, 2367.

Spinal cord

FIBER TRACTS

2327. Bruce, A. N. The tract of Gowers. *Quart. J. exp. Physiol.*, 1910, 3, 391-407.
[+++ 10f-nr: monkey]

2328. Ferraro, A. & Barrera, S. E. Posterior column fibers and their termination in *Macacus rhesus*. *J. comp. Neurol.*, 1935, 62, 507-530.
[14f-10r: Mc]

2329. Linowiecki, A. J. The comparative anatomy of the pyramidal tract. *J. comp. Neurol.*, 1914, 24, 509-530.
[+ 8f-1t-r: Mc]

2330. Luna, E. Studio sul sistema spino-cerebellare e sopra alcune altre vie spino-encefaliche nella scimmia. *Ric. Morfol.*, 1924, 4, 67-128, pl. 2. [2f-103r: Mc Pp]

2330a. Luna, E. Il comportamento delle radici sensitive dei nervi spinorombencefalici. *Monit. zool. ital.*, 1926, 37, 283-288. [+++ 3f]

2331. MacNalty, A. S. & Horsley, V. On the cervical spino-bulbar and spino-cerebellar tracts and on the question of the topographical representation in the cerebellum. *Brain*, 1909, 32, 237-255. [+++ 3f-t-tabl. rés. lit.: Mc]

2332. Marguliés, A. Experimentelle Untersuchungen über den Aufbau der Hinterstränge beim Affen. *M Schr. Psychiat. Neurol.*, 1897, 1, 277-287, pls. 4-5. [Mc]

2333. Mott, F. W. Ascending degenerations resulting from lesions of the spinal cord in monkeys. *Brain*, 1892, 15, 215-229, 4 pls.
[2f: monkey]

2334. Mott, F. W. Experimental enquiry upon the afferent tracts of the central nervous system of the monkey. *Brain*, 1895, 18, 1-20, 3 pls.
[3f: monkey]

2335. Mott, F. W. Die zuführenden Kleinhirnbahnen des Rückenmarks bei dem Affen. *M Schr. Psychiat. Neurol.*, 1897, 1, 104-121.
[9f-23r: Affe]

2336. Ransom, S. W. The tract of Lissauer in the rhesus monkey. *Anat. Rec.*, 1914, 8, 119-120.
[Abstr.: Mc]

2337. Ransom, S. W. The tract of Lissauer and the substantia gelatinosa Rolandi. *Amer. J. Anat.*, 1914, 16, 97-126. [++ 11f-29r: Mc]

2338. Sherrington, C. S. Note on the spinal portion of some ascending degenerations. *J. Physiol.*, 1893, 14, 255-302, pls. 13-18.
[+++ 1t: Mc]

2339. Tooth, H. H. On the destination of the antero-lateral ascending tract. *Brain*, 1892, 15, 397-402. [+++ 13f: Mc]

See also: 2033, 2041, 2043a, 2045, 2047, 2050, 2142, 2246, 2248, 2252, 2284, 2285, 2303, 2306, 2307, 2308, 2311, 2343.

Spinal cord

POSTERIOR & ANTERIOR ROOTS

(*Histological studies*)

2340. Corbin, K. B., Lhamon, W. T. & Petit, D. W. Peripheral and central connections of the upper cervical dorsal root ganglia in the rhesus monkey. *J. comp. Neurol.*, 1937, 66, 405-414. [19r: Mc]

2341. Häggqvist, G. Fasernanalyse der vorderen Spinalwurzeln des *Macacus rhesus*. Nebst einigen Bemerkungen über die Architektur des Vorderhorns. *Z. mikr.-anat. Forsch.*, 1937, 42, 33-69. [46f: Mc]

2342. Häggqvist, G. Über die Frage der Existenz eines dritten Systems efferenter Fasern vom Zentralnervensystem. *Anat. Anz.*, 1937-38, 85, ErgH., 191-196. [+++ 13f: Mc]

2342a. Kashiwamura, T. & Odachi, R. Zahlenverhältnisse der markhaltigen Nervenfasern in der spinalen Wurzelgegend beim Formosa-Affe, *Pithecus cyclopsis* (Swinhoe). *Jap. J. med. Sci., I. Anat.*, 1936, 6, 113-151. [11f-vnt-r: Mc]

2343. Tooth, H. H. On the relation of the posterior root to the posterior horn in the medulla and cord. *J. Physiol.*, 1892, 13, 773-785. [+++ 4f: monkey]

2344. Young, J. Z. & Zuckerman, S. The course of fibres in the dorsal nerve roots of *Macaca mulatta*, the rhesus monkey. *J. Anat., Lond.*, 1937, 71, 447-457, 1 pl. [5t-16r: Mc]

See also: 2285, 2313, 2314, 2315, 2335, 2336, 2337, 2338, 2350, 2371.

2345a. Beevor, C. E. & Horsley, V. Note on some of the motor functions of certain cranial nerves (V, VII, IX, X, XI, XII), and of the three first cervical nerves, in the monkey (*Macacus sinicus*). *Proc. roy. Soc.*, 1888, 44, 269-277. [1t: Mc]

2346. Botar, J. Note sur le mode de terminaison du pneumogastrique antérieur chez quelques mammifères. *Bull. Mus. Hist. nat., Paris*, 1933, (2), 5, 269-276. [++ 7f: Gr C-c Pp]

2346a. Botár, J., Popják, G. & Bense, A. Die Fasern des Nervus vagoaccessorius beim Menschen und bei Säugetieren. *Acta Univ. Szeged., Sect. med.*, 1937, 8, 97-229, 1 pl. [++ 107f-r: Pn Mc]

2346b. Clavelin, [P.] & Coulouma, [P.] La terminasion des nerfs pneumogastriques chez l'homme et les singes anthropomorphes. *Bull. Soc. Anthropol. Paris*, 1934, (8), 5, 51-59. [++ 7f: Gr Pn Png Hy]

2346c. Cordier, P. & Coulouma, P. La terminasion des nerfs pneumogastriques chez quelques mammifères. *C. R. Ass. Anat.*, 1935, 30, 101-114. [+ 10f: Pp Hap]

2347. Coenen, H. Das Trigeminalganglion des Orang. Kurze Mitteilung. *Arch. mikr. Anat.*, 1902, 60, 514-516. [Png]

2348. Fieandt, E. Über das Wurzelgebiet des Nervus hypoglossus und den Plexus hypoglossocervicalis bei den Säugetieren. *Gegenbaurs Jb.*, 1914, 48, 513-643. [+ 93f-18t-vnr: Pn Mc Pp Ceb Lm]

2349. Forster, A. & Lacroix, M. Remarques sur le dispositif du nerf lacrymal dans la série des mammifères supérieurs. *Rev. anthrop.*, 1926, 36, 49-52. [++ primates]

2349a. Fürbringer, M. Ueber die spino-occipitalen Nerven der Selachier und Holocephalen und ihre vergleichende Morphologie. *Festschrift C. Gegenbaur*, 1897, 3, 349-788, 8 pls. [+ t-nr]

2350. Häggqvist, G. Zur Kenntnis einer doppelten cerebrospinalen Innervation der Skelettmuskeln. *Z. mikr.-anat. Forsch.*, 1938, 43, 491-508. [+++ 16f-13r: Mc]

2351. Kreidl, A. Experimentelle Untersuchungen über das Wurzelgebiet des Nervus glosso-pharyngeus, Vagus und Accessorius beim Affen. *S. B. Akad. Wiss. Wien, Abt. 3*, 1897, 106, 197-237, 2 pls. Abstr.: *Anz. Akad. Wiss. Wien*, 1897, 34, 57-58. [1f-1t: Mc]

2352. Lacroix, M. R. Considérations sur les rapports des nerfs lacrymal et orbitaire chez les mammifères supérieurs et chez l'homme. *Arch. Anat., Strasbourg*, 1926, 6, 33-63. [6f-r: C-p Mc Pp Atl Lm]

2352a. Marcondes Calasans, O. Alça supra-hioidea de Hyrtl; ou, Quiasma periférico do nervo hipoglosso. (Peripheral chiasma of the hypoglossal nerve.) *Rev. oto-laring. S. Paulo.*,* 1936, 4, 403-408, 3 pls. [+ 4f-Portug.: Mc Al Hap]

Cranial & Spinal Nerves & The Sympathetic Nervous System

See also: 199, 217, 221, 378, 835, 1494, 1495, 1866.

CRANIAL NERVES & GANGLIA

(*incl. parasympathetic components*)

2345. Beck, W. Über den Austritt des N. hypoglossus und N. cervicalis primus aus dem Centralorgan beim Menschen und in der Reihe der Säugetiere unter besonderer Berücksichtigung der dorsalen Wurzeln. *Arb. anat. Inst., Wiesbaden*, 1895, 6, 249-345, pls. 11-14. [+ nt-92r: Pn Png C-c Mc Pp Mndr Lm Nyct-c Tars]

2353. Monteiro, H., Rodrigues, A. & Pereira, S. Quelques cas de nerf dépresser chez l'homme et chez le singe. *Ann. Anat. path. méd.-chir.*, 1928, 5, 589-597. [+ 14f: singe]

2354. Monteiro, H., Rodrigues, A. & Pereira, S. Sur la duplicité du nerf dépresser. *C. R. Soc. Biol., Paris*, 1929, 100, 521-523. [+ 3f: singe]

2355. Perman, E. Anatomische Untersuchungen über die Herznerven bei den höheren Säugetieren und beim Menschen. *Z. Anat. EntwGesch.*, 1924, 71, 383-457. [+ 23f-vnr: Mc]

2356. von Schumacher, S. Die Herznerven der Säugetiere und des Menschen. *S. B. Akad. Wiss. Wien, Abt. 3*, 1902, 111, 133-235, 8 pls. [+ 93r: Png C-p Mc Mndr]

2357. Tanaka, T. Die Verbindung des N. accessorius mit den oberen Halsnerven bei *Macacus*. *Arb. 3ten Abt. anat. Inst. Kyoto., Series A*, 1932, 3, 116-121. [+ 23f: Mc]

2358. Viti, A. Recherches de morphologie sur le nerf dépresser chez l'homme et chez les autres mammifères. *Arch. ital. Biol.*, 1884, 5, 191-198. [+ C-p]

2359. Wakeley, C. P. G. & Edgeworth, F. H. A note on the afferent nerve-supply of the facial muscles. *J. Anat., Lond.*, 1933, 67, 420-421. [+ 4f: Mc]

2359a. Westling, Charlotte. Beiträge zur Kenntnis des peripherischen Nervensystems. *Bih. svensk. Vetensk. Akad. Handl.*, 1884, 9, no. 8, 48 pp., 3 pls. [+ Png]

2360. Winckler, G. Les nerfs de l'orbite et le ganglion ophthalmique dans la série des mammifères et chez l'homme. *Arch. Anat., Strasbourg*, 1932, 14, 301-386. [+ 19f: C-p Atl Lm]

2361. Windle, F. W. The sensory components of the spinal accessory nerve. *J. comp. Neurol.*, 1931, 53, 115-127. [1pl-1f-3t-16r: C-p Mc]

See also: 217, 404, 405, 1274, 1489, 1530, 1543, 1544, 1554, 1555, 1557, 1559, 1583, 1858, 2201, 2202, 2296, 2340, 2372, 2375, 2378a, 2381, 2385, 2397, 2402, 2402a, 2407, 2485, 2975, 2997.

FUNCTIONAL ANATOMY OF SPINAL ROOTS & NERVES

2362. Ferrier, D. The functional relations of the motor roots of the brachial and lumbo-sacral plexuses. *Proc. roy. Soc.*, 1881, 32, 12-20. [monkey]

2363. May, W. P. Investigations into the segmental representation of movements in the lumbar region of the mammalian spinal cord. *Proc. roy. Soc.*, 1896-97, 60, 244-250. [+ 4f: Mc]

2364. May, W. P. Investigations into the segmental representation of movements in the lumbar region of the mammalian spinal cord.—Excitation

of the spinal cord, and direct excitation of the spinal nerve roots. *Philos. Trans.*, 1897, B, 188, 191-210. [+ 2t: Mc]

2365. Russell, J. S. R. An experimental investigation of the nerve roots which enter into the formation of the lumbo-sacral plexus of *Macacus rhesus*. *Proc. roy. Soc.*, 1893, 53, 459-462. [+ 4f: Abstr.]

2366. Russell, J. S. R. An experimental investigation of the cervical and thoracic nerve roots in relation to the subject of wry-neck. *Brain*, 1897, 20, 35-55, 1 pl. [+ 4f: Mc]

2367. Sherrington, C. S. Notes on the arrangement of motor fibres in the lumbo-sacral plexus. *J. Physiol.*, 1892, 13, 621-772, pls. 20-23. [+ 17t: Mc]

2368. Sherrington, C. S. Note on the functional and structural arrangement of efferent fibres in the nerve-roots of the lumbo-sacral plexus. (Preliminary communication.) *Proc. roy. Soc.*, 1892, 51, 67-78. [+ 4f: Mc]

2369. Sherrington, C. S. Experiments in examination of the peripheral distribution of the fibres of the posterior roots of some spinal nerves. *Proc. roy. Soc.*, 1892, 52, 333-337. [+ 1f-abstr.: Mc]

2370. Sherrington, C. S. Experiments in examination of the peripheral distribution of the fibres of the posterior roots of some spinal nerves. *Philos. Trans.*, 1893, B, 184, 641-763, pls. 42-52. [+ 9f-nt-r: Mc]

2371. Sherrington, C. S. On the anatomical constitution of nerves of skeletal muscles; with remarks on recurrent fibres in the ventral spinal nerve-root. *J. Physiol.*, 1894-95, 17, 211-258, pls. 5-7. [+ 4t: monkey]

2372. Sherrington, C. S. Experiments in examination of the peripheral distribution of the fibres of the posterior roots of some spinal nerves.—Part II. *Philos. Trans.*, 1898, B, 190, 45-186, pls. 3-6. [+ 4f-1t-91r: Mc]

2373. Sherrington, C. S. The spinal roots and dissociative anaesthesia in the monkey. *J. Physiol.*, 1901, 27, 360-371, pl. 10. [C-p Mc]

See also: 542, 2342, 2350, 2974, 2976, 2981, 2992, 3256.

CERVICO-BRACHIAL PLEXUS & NERVES OF NECK & UPPER EXTREMITY

2375. Bolk, L. Beiträge zur Affenanatomie. III. Der Plexus cervico-brachialis der Primaten. *Ned. Bijdr. Anat.*, 1902, 1, 371-566. [39f-nt-nr: Pn Png Hyl Nas Clb C-p Cyn-p Mndr Aot Saim Ceb Atl Al Leon-c Lm Lp-l Pr-p Prdct]

2376. Brooks, W. T. The brachial plexus of the macaque monkey and its analogy with that of man. *J. Anat., Lond.*, 1883, 17, 329-332. [Mc]

2377. **Chemin, A. & Tribondeau.** Dissociation du plexus brachial du gibbon. *C. R. Soc. Biol., Paris*, 1901, 53, 894-894. [1f-1r: Hyl]

2378. **Chemin, A. & Tribondeau.** Le plexus brachial du gibbon. Sa dissociation en un plan de flexion et un plan d'extension. Systématisation de ses racines rachidiennes. Origines radicaire de ses branches. *Gaz. hebdom. Sci. méd.*, 1901, 22, 291-294, 330-332. [Hyl]

2378a. **Cordier, P., Coulouma, P., Devos & Decroix.** Contribution à l'étude de la constitution du plexus cervical chez l'homme et quelques primates. *C. R. Ass. Anat.*, 1936, 31, 114-123. [14f: C-p Mc Thr-p Pp Hap]

2379. **Duckworth, W. L. H.** Dissections of the upper limb of *Gorilla*, *Hylobates* and *Cynocephalus*. *Stud. Anthropol. Lab., Anat. Sch., Cambridge*,* 1904, 91-97. [2f: Gr Hyl Mndr Hap Nyct-c]

2380. **Höfer, W.** Vergleichend-anatomische Studien über die Nerven des Armes und der Hand bei den Affen und dem Menschen. *Münch. med. Abh.*, 1892, Reihe 7, Heft 3, 106 pp., 5 pls. [++ nr: Gr Pn Png C-p Mc Pp Ceb]

2381. **Huntington, G. S.** On some points in the formation and distribution of the cervical plexus in cynomorphous monkeys. *Trans. N. Y. Acad. Sci.*,* 1897, 16, 82-95, pls. 6-7. [C-p C-c Mc Pp Mndr]

2381a. **Kosinski, C.** L'innervation cutanée de la face dorsale de la main, basée sur l'examen de 300 pièces anatomiques, avec quelques notions d'anatomie comparée. *C. R. Ass. Anat.*, 1927, 22, 121-133. [+ 46r: Gr Pn Png Hyl Prsb C-p Mc Saim Ceb Hap Leon-c Lm Nyct-c Prdct]

2381b. **Locchi, R.** Quelques observations sur le nerf "paraphrénique" (de Cs). *Folia clin. biol., S. Paulo*, 1932, 4, 91-93. [++ Mc Pp]

2382. **Ono, M.** Beitrag zum Plexus brachialis des Affen. *Folia anat. japon.*, 1936, 14, 537-543. [2f-2t-16r: Mc]

2382a. **Ono, M.** (Über den kurzen Äste des Plexus brachialis des Affen.) *Hokuetsu Ig. Z. Niigata*,* 1937, 52, 163-177. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1939, 7, (258). [Jap.: Mc]

2383. **Sterzi, A. I.** Ricerche sopra le anastomosi dei rami anteriori del plesso brachiale e loro interpretazione morfologica. *Arch. ital. Anat. Embriol.*, 1903, 2, 178-205, pls. 16-17. [+ 91r: Hap]

2384. **Todd, T. W.** The hinder end of the brachial plexus in man and mammals. *Anat. Anz.*, 1912, 42, 129-144. [+ 4f-25r: Pn Png Hyl Prsb C-p C-c Mc Pp Mndr Atl Lm]

2385. **Uenae, F.** Ueber die Wurzel der ersten Halsnerven des Menschen und einiger Säugetiere. *Acta Sch. med. Univ. Kioto*, 1929, 12, 37-49, 3 pls. [+ 14t-17r: Pn Mc]

2386. **Winckler, G.** La branche thénarienne du nerf médian. Sa distribution et son acheminement. Étude d'anatomie comparée et d'adaptation. *Arch. Anat., Strasbourg*, 1930, 12, 151-227. [++ 36f: Hyl C-p Mc Atl Hap Lm Nyct-c]

See also: 293, 309a, 415, 898, 1520, 1521, 1522, 1530, 1531, 1559, 1582, 1591, 1592, 1593, 1614, 1615, 1639, 1652, 2345, 2345a, 2348, 2349a, 2357, 2359a, 2362, 2366, 2407.

LUMBO-SACRAL PLEXUS & NERVES OF TRUNK & LOWER EXTREMITY

2387. **Bolk, L.** Beitrag zur Neurologie der unteren Extremität der Primaten. *Morph. Jb.*, 1897, 25, 305-361. [26f-12r: Gr Pn Png Mc]

2387a. **Cordier, [P.], Coulouma, [P.] & van Varseveld.** Contribution à l'étude de la constitution du plexus sacré chez l'homme et quelques primates. *C. R. Ass. Anat.*, 1936, 124-132. [13f: Pp Mndr Hap Prdct]

2388. **von Ihering, Hermann.** *Das periphere Nervensystem der Wirbelthiere als Grundlage für die Kenntniss der Reigionenbildung der Wirbelsäule.* Leipzig: F. C. W. Vogel, 1878, xiv, 238 pp. [+ 36f: Gr Pn Png Hyl C-p C-c Mc Pp Ceb Hap Tars]

2389. **Ruge, G.** Verschiebungen in den Endgebieten der Nerven des Plexus lumbalis der Primaten. Zeugnisse für die metamere Verkürzung des Rumpfes bei Säugethieren. Eine vergleichend-anatomische Untersuchung. *Morph. Jb.*, 1893, 20, 305-397, pls. 13-14. [31f-t-31r: Gr Pn Png Symp Prsb C-p Mc Pp Mndr Atl Lm Avh Lor Prdct Glg Daub Tars]

2390. **Sokolow, P.** Zur Anatomie des N. suralis beim Menschen und Affen. *Z. Anat. Entw. Gesch.*, 1933, 100, 194-217. [++ 10f-7t-22r: Pn Png C-p Mc Pp Mndr Ceb Atl Hap Lm]

2391. **Utschneider, A.** Die Lendennerven der Affen und des Menschen. *Münch. med. Abh.*, 1892, Reihe 7, Heft 1, 32 pp., 2 pls. [++ 1t-4r: Gr Pn Png Hyl Mc Pp]

2392. **Winckler, G.** Le nerf péronier accessoire profond. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1934, 18, 181-219. [++ 11f-1t: C-p Ceb Atl Al Hap Lm]

2393. **Winckler, G.** Considérations sur la répartition nerveuse superficielle de la face dorsale du pied. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1936, 23, 127-164. [++ 17f-1t: C-p Mc Ceb Atl Al Hap Lm Prdct]

See also: 261, 318, 835, 1614, 1640, 1677, 1683, 1690, 1691, 1697, 1715, 1716, 2359a, 2362, 2365, 2367, 2368, 2408, 2410, 2411, 2412, 2976.

SYMPATHETIC NERVES, GANGLIA
& PLEXUSES

(incl. ganglia of mixed character)

2394. Botar, J. Études sur le tronc collatéral thoracique du sympathique chez les singes. *Bull. Mus. Hist. nat., Paris*, 1931, (2), 3, 579-585.

[5f-13r: Gr C-c Pp]

2395. Botar, J. Recherches anatomiques sur les rameaux communicants et les rameaux viscéraux et sur leurs rapports réciproques chez les vertébrés. (Note préliminaire). *Bull. Mus. Hist. nat., Paris*, 1931, (2), 3, 727-736.

[+ 11f: Pn Pp]

2396. Botár, [J.] Der Truncus sympathicus lumbalis. *Acta Univ. Szeged, Sectio medicorum*, 1932, 6, 150-222.

2396a. Botar, J. Quelques observations sur l'anatomie du système sympathique du gorille. *Bull. Soc. Anthropol. Paris*, 1932, (8), 3, 168-179.

[8f: Gr]

2397. van den Broek, A. J. P. Untersuchungen über den Bau des sympathischen Nervensystems der Säugetiere. I. Teil. Der Halssympathicus. *Morph. Jb.*, 1907, 37, 202-288.

[++ 26f-37r: Gr Png Hyl Mc Pp Atl Lm]

2398. v. d. Broek, A. J. P. Untersuchungen über den Bau des sympathischen Nervensystems der Säugetiere. II. Teil. Der Rumpf- und Beckensympathicus. *Morph. Jb.*, 1908, 38, 532-589.

[+ 16f-11r: Gr Png Hyl Mc Pp Ceb Hap Nyct-c Lm]

2399. de Castro, F. Sobre la fina anatomia de los ganglios simpaticos, vertebrales y paravertebrales de los simios. *Arch. Neurobiol. Psicol., Madr.*, 1927, 7, 38-46.

[3f: Mc]

2400. Garnier, C. & Villemin, F. L'anse nerveuse sympathique périthyroïdienne supérieure chez le singe. *Bull. Soc. anat. Paris*, 1910, 85, 311-315.

[1f: Pn Pp]

2401. Hartmann-Weinberg, A. Der Plexus aorticus abdominalis der Anthropoiden. *Anat. Anz.*, 1926, 60, 545-584.

[16f: Gr Pn Png Hyl]

2401a.* Imai, M. [Morphologische Untersuchungen der Orbita von *Macacus cyclopsis* und ihres Inhalts. V. Das Ggl. ciliare und die Nn. ciliares]. *J. med. Ass. Formosa*, 1935, 34, 156-173. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1937, 6, (245)-(246).

[Jap: Mc]

2402. Kiss, F. Das Verhältnis zwischen Vagus und Sympathicus. *Acta Univ. Szeged, Sectio medicorum*, 1932, 6, 129-150.

[+ 21f-r: C-c Lm]

2402a. Kolesnikov, V. V. (The relation of the trunks and cardiac branches of the jugular section

of the sympathetic and vagus in some apes.) *Ark. biol. Nauk*,* 1935, 39, 405-419.

[9f-Russ. with Engl. abstr.: Pn Png Pp]

2403. Marinesco, G., Parhon & Goldstein. Sur la nature du ganglion ciliaire. *C. R. Soc. Biol., Paris*, 1908, 64, 88-89.

[singe]

2404. Pines, L. & Friedman, E. Zur vergleichenden Histologie des Ganglion ciliare bei Säugetieren. *Z. mikr.-anat. Forsch.*, 1929, 16, 259-294.

[+ 75f: Mc]

2405. Pines, L. & Narowtschatowa, K. Über die Morphologie des Ganglion oticum. (Weiterer Beitrag zur Frage der vegetativen Kopfganglien.) *Z. Zellforsch.*, 1934, 20, 764-778.

[++ 16f-6r: Mc]

2406. Riegele, L. Die innervation des Herzmuskels bei Affen. *S. B. Ges. Morph. Physiol. München*, 1925-26 [1927], 37, 57-59.

[2f: Png Mc Pp]

2407. Riegele, L. Über die Innervation der Hals- und Brustorgane bei einigen Affen. *Z. Anat. EntwGesch.*, 1926, 80, 777-858, pls. 1-6.

[11f-r: Png Mc Pp]

2408. v. Schumacher, S. Über die Nerven des Schwanzes der Säugetiere und des Menschen, mit besonderer Berücksichtigung des sympathischen Grenzstranges. *S. B. Akad. Wiss. Wien, Abt. 3*, 1905, 114, 569-604, 2 pls.

[+ 2t-22r: Mc Pp Ceb]

2408a. Trumble, H. C. The place of the visceral nerves in the lumbar and sacral outflows of the autonomic system. *Brit. J. Surg.*, 1934, 21, 664-676.

[+ 8f: Mc]

2409. Vignal, W. Recherches sur l'appareil ganglionnaire du coeur des vertébrés. Deuxième partie. *Arch. Physiol. norm. path.*,* 1881, (2), 8, 910-934, pls. 23-24.

[+ 3f: Mc]

2410. Wharton, L. R. Studies on the innervation of the reproductive organs of *Macacus rhesus*. *Anat. Rec.*, 1937, 68, 43-61.

[7f-7r: Mc]

2411. Zuckerman, S. Observations on the autonomic nervous system and on vertebral and neural segmentation in monkeys. *Trans. zool. Soc. Lond.*, 1938, 23, 315-378, pl. 33.

[8f-5t-74r: Prsb C-p C-c Mc Pp Mndr Hap]

2412. Zuckerman, S. & Burr, H. S. Sympathetic components of the genito-femoral and obturator nerves in the rhesus monkey (*Macaca mulatta*). *Anat. Rec.*, 1934, 61, 53-56.

[2f: Mc]

See also: 405, 462, 618a, 619a, 654, 765, 1488, 2314a, 2355, 2356, 2360, 2367, 2384, 2416, 2417, 2418, 2974, 2976.

Sense Organs

THE EYE

(excl. retina)

2413. **Adachi, B.** Mikroskopische Untersuchungen über die Augenlider der Affen und des Menschen (insbesondere der Japaner). (Anatomisch-anthropologische Untersuchungen an den Japanern XI.) *Mitt. med. Fak., Tokio*, 1907, 7, 47–90, pls. 2–5. [++ 2f-r: Pn Png Hyl Prsb C-p Mc Pp Saim Leon-c Lm]
2414. **Bartels, P.** Histologisch-anthropologische Untersuchungen der Plica semilunaris bei Herero und Hottentotten, sowie bei einigen Anthropoiden. *Arch. mikr. Anat., Abt. 1*, 1911, 78, 529–564, pl. 23. [+ 1f-2t-nr: Gr Pn Png Hyl Symph C-p Mc]
2415. **Berges, R.** Les muscles oculo-moteurs chez le macaque. *Ann. Anat. pathol. méd.-chir.*, 1932, 9, 828–830. [+++ 3f: Mc]
2416. **Boeke, J.** Innervationsstudien. III. Die Nervenversorgung des M. ciliaris und des M. sphincter iridis bei Säugern und Vögeln. Ein Beispiel plexiformer Innervation der Muskelfasern. *Z. mikr.-anat. Forsch.*, 1933, 33, 233–275. [+ 38f-nr: Mc]
- 2416a. **Boeke, J.** Innervationsstudien. VIII. Zur Innervation der Cornea bei Säugern. Die Innervierung des Bindegewebes der Cornea bei *Macacus rhesus*. *Z. mikr.-anat. Forsch.*, 1935, 38, 594–618. [21f: Mc]
2417. **Boeke, J.** Innervationsstudien. IX. Zur Nervenversorgung der Augenhäute. III. Die Beziehungen der Nervenfasern der Iris zu den Bindegewebszellen beim Affen. Die "interstitiellen" Elemente des Irisstromas und der sympathische Grundplexus. *Z. mikr.-anat. Forsch.*, 1936, 39, 477–520. [+++ 25f-r: Mc]
2418. **Boeke, J.** Le plexus nerveux de la cornée des vertébrés supérieurs et ses connections avec les cellules conjonctives. L'iris du macaque. *Bull. Histol. Tech. micr.*, 1936, 13, 113–128. [5f: Mc]
- 2418a. **Bücklers, M.** Beobachtungen über den Verlauf und die Rückbildung der Tunica vasculosa lentis bei neugeborenen Javamakaken. (*Macaca irus mordax* Th. u. Wr.) v. *Graefes Arch. Ophthalm.*, 1935, 134, 48–61. [11f-1t: Mc]
2419. **Collins, E. T.** Changes in the visual organs correlated with the adoption of arboreal life and with the assumption of the erect posture. (The Bowman lecture, 1921.) *Trans. ophthalm. Soc. U. K.*, 1921, 41, 10–90. [++ 19f-8t-nr: Pn Mc Ceb Lm]
2420. **Cords, Elisabeth.** Zur Frage des M. retractor bulbi der Säuger. *Z. Anat. EntwGesch.*, 1924, 71, 240–260. [+ 2f: Nyct-c]
2421. **Eggeling, H.** Zur Phylogense der Augenlider. *Anat. Anz.*, 1904, 25, ErgH., 163–170. [+ 9f: Pp Lm]
2422. **Eggeling, H.** Zur Morphologie der Augenlider der Säuger. *Jena. Z. Naturw.*, 1905, 39, 1–42. [+ 18f-r: Pp Lm]
2423. **Franz, V.** Studien zur vergleichenden Anatomie der Augen der Säugetiere. *Arch. vergl. Ophthalm.*, 1911, 2, 180–217, 269–322. [+ 27f-t-r: Gr Pn Png Hyl C-p Mc Cyn-p Atl Hap Lm Nyct-c Glg Tars]
2424. **Giacomini, C.** La "plica semilunaris" e la laringe nelle scimmie antropomorfe, (nota supplementaria alla anatomia del negro). *G. Accad. Med. Torino*, 1897, 60, 649–672, pls. 8–9. [Gr Pn Hyl]
2425. **Giacomini, C.** La "plica semilunaris" et le larynx chez les singes anthropomorphes. *Arch. ital. Biol.*, 1897, 28, 98–119, 2 pls. [Gr Pn Hyl]
2426. **Hauschild, M. W.** Untersuchungen über die Pigmentation im Auge verschiedener Menschenrassen und die Pigmentation im Säugetierauge überhaupt. *Z. Morph. Anthrop.*, 1910, 12, 473–544, pls. 13–18. [+ 88r: Pn Png Symph Mc Lm Prdct]
2427. **Heine.** Das Auge des Gorilla. *Jena. Z. Naturw.*, 1906, 41, 612–617, pl. 31. [1t: Gr]
2428. **Herzog, H.** Ueber einen neuen Lidmuskul. Vorläufige Mitteilung. *Anat. Anz.*, 1904, 24, 332–335. Abstr.: *Berl. klin. Wschr.*, 1904, 41, 178. [+++ 2f-5r: Lm]
2429. **Hotta, G.** Das Auge der anthropoiden Affen. Beiträge zur vergleichenden Anatomie, mit besonderer Berücksichtigung der Iris-muskulatur. v. *Graefes Arch. Ophthalm.*, 1905, 62, 250–274, pls. 6–9. [3f-vnt: Gr Pn Png Hyl]
- 2429a.* **Imai, M.** (Anatomische und vergleichend-anatomische Untersuchungen der Orbita von *Macacus cyclopsis* und ihres Inhalts. II. Über den Bulbus oculi.) *J. med. Ass. Formosa*, 1934, 33, 293–305, 1 pl. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1936, 6, (101). [+++ Jap.: Png Cyn-p Mc Pp]
- 2429b.* **Imai, M.** (Anatomische und vergleichend-anatomische Untersuchungen der Orbita von *Macacus cyclopsis* und ihres Inhalts. III. Die Augenmuskeln.) *J. med. Ass. Formosa*, 1934, 33, 447–466. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1936, 6, (101). [see no. 2429a]
- 2429c.* **Imai, M.** (Morphologische Untersuchungen der Orbita von *Macacus cyclopsis* und ihres Inhalts. IV. Die Nerven und die Blutgefäße.) *J. med. Ass. Formosa*, 1935, 34, 139–155, 1 pl. Abstr.: *Jap. J. med. Sci., I. Anat.*, 1937, 6, (245). [Jap.: Mc]

2429d. Kato, T. Über histologische Untersuchungen der Augenmuskeln von Menschen und Säugetieren. *Folia anat. japon.*, 1938, 16, 131-145. [+ 9f-12t: Affe Lor]

2430. Levinsohn, G. Über die hintern Grenzschichten der Iris. v. Graefes *Arch. Ophthal.*, 1906, 62, 547-558, pls. 20-21. [++ Mc]

2431. Mann, Ida. Iris pattern in the vertebrates. *Trans. zool. Soc. Lond.*, 1931, 21, 355-412, pls. 20-24. [+ 2f: C-c Glg]

2432. Münch, K. Über die Innervation der Stromazellen der Iris. *Z. Augenheilk.*, 1905, 14, 130-147, pls. 11-12. [+++ nr: Mc]

2433. Ottley, W. On the attachment of the eye-muscles in mammals.—I. Quadrumana. *Proc. zool. Soc. Lond.*, 1879, 121-128. [+++ 11f: Png Prsb C-p C-c Mc Pp Aot Saim Ceb Atl Al Hap Leon-c Lm Nyct-c]

2434. Poole, F. S. The relations of the superior oblique muscle of the eye in the mammals. *J. Anat., Lond.*, 1905, 39, 154-160. [+ 3f: monkey]

2435.* Pröbstling. Ein Beitrag zur feineren Anatomie des Lides und der Conjunctiva des Menschen und der Affen. Inaug.-Diss., Erlangen, 1895.

2436. Smith, G. Elliot. Exhibition of, and remarks upon, photographs of a living example of *Tarsius*. *Proc. zool. Soc. Lond.*, 1921, (1), 184-186, 1 pl. [Tars]

2437. Winckler, G. Le muscle retracteur bulbi. Étude d'anatomie comparée. *Arch. Anat., Strasbourg*, 1933-34, 17, 131-180. [+ 7f: C-p Atl Hap Lm]

2438. Wolfrum. Über den Bau der Irisvorderfläche des menschlichen Auges mit vergleichenden anatomischen Bemerkungen. v. Graefes *Arch. Ophthal.*, 1922, 109, 106-153. [+ 15f-45r: Gr Pn Png Hyl Mc Pp Daub]

See also: 131a, 227, 265, 327, 1206, 2444, 2445, 2446, 2446a, 2996.

THE EYE—RETINA

2439. Enríquez, M. L. Existencia de células de Hortegea "microglia" en la retina y vías ópticas. *Bol. Soc. esp. Hist. nat.*, 1926, 26, 294-301. [+ 4f]

2440. Fortin, E.-P. Investigations histologiques sur certains éléments de la rétine. *C. R. Acad. Sci., Paris*, 1926, 183, 452-454. [sinige]

2441. Fritsch, Gustav. Über Bau und Bedeutung der Area centralis des Menschen. Berlin: Georg Reimer, 1908, 149 pp., 68 pls. [+ 10f-nt: Symph Prsb Mc Pp Atl]

2442. Hill, W. C. O. Retinoscopy of *Loris*. *Nature, Lond.*, 1935, 135, 584. [Lor]

2443. Home, E. An account of the orifice in the retina of the human eye, discovered by Pro-

fessor Soemmering. To which are added, proofs of this appearance being extended to the eyes of other animals. *Philos. Trans.*, 1798, (2), 332-345, pl. 17. [+ monkey]

2444. Johnson, G. L. Observations on the ophthalmoscopic appearances of the eyes of the Order Primates. *Proc. zool. Soc. Lond.*, 1897, 183-188, pls. 2-6. [Gr Pn Png Hyl Saim Ceb Hap Lm Mcr-c Glg]

2445. Johnson, G. L. Contributions to the comparative anatomy of the mammalian eye, chiefly based on ophthalmoscopic examination. *Philos. Trans.*, 1901, B, 194, 1-82, pls. 1-30. [++ Gr Pn Png Hyl C-p C-c Mc Cyn-p Pp Mndr Aot Saim Ceb Lag Atl Al Hap Lm Mcr-c Lor Nyct-c Glg Daub]

2446. Kolmer, W. Zur Kenntnis des Auges der Primates. *Z. Anat. EtnwGesch.*, 1930, 93, 679-722. [23f-nr: Pn Png Hyl C-p Ery-c C-c Mc Pp Mndr Aot Ceb Brchyt Hap Lm Chrg Lor Nyct-c Glg Tars]

2446a. Leboucq, G. La macula lutea des primates. *C. R. Ass. Anat.*, 1922, 17, 185-189. [2t: Pn Hyl C-p Mc Pp Lm]

2446b. Leboucq, G. La névroglie rétinovitréenne. *C. R. Soc. Biol., Paris*, 1923, 89, 413-416. [+++ sinige]

2446c. Leboucq, G. Organe hyloïdines rudimentaire dans l'œil des primates. *Bull. Acad. Méd. Belg.*, 1923, (5), 3, 115-125, 3 pls. [+++ 8r: Pn Hyl C-p Ery-c Mc Pp Ceb Hap Lm Pr-p Prdt]

2447. Menner, E. Über die Retina einiger Kleinaffen aus den Familien Callitrichidae und Cebidae. *Zool. Anz.*, 1931, 95, 1-12. [8f-t-r: Aot Saim Hap]

2448. Poljak, S. Structure of the retina in primates. *Acta ophthal., Kbh.*, 1935, 13, 52-60, 3 pls. [Pn Mc]

2449. Polyak, S. Minute structure of the retina in monkeys and in apes. *Arch. Ophthal., N. Y.*, 1936, (2), 15, 477-519. [12f-nr: Pn Mc]

2450. Schultzze, M. Ueber Stäbchen und Zapfen der Retina. *Arch. mikr. Anat.*, 1867, 3, 215-247, pl. 13. [Mc]

2451. Slonaker, J. R. A comparative study of the area of acute vision in vertebrates. *J. Morph.*, 1897, 13, 445-496, pls. 27-28. [+ 5f-3t-45r: Gr]

2452. Uyama, Y. Ein Beitrag zur Kenntnis der Anatomie der Sehzellen in der Netzhaut bei Affen und Meerschweinchen. v. Graefes *Arch. Ophthal.*, 1927, 118, 723-278. [++ 3f-9r: Affen]

2453. Woollard, H. H. Notes on the retina and lateral geniculate body in *Tupaia*, *Tarsius*, *Nycticebus*, and *Hapale*. *Brain*, 1926, 49, 77-104. [+++ 13f-17r: Hap Nyct-c Tars]

2454. Woollard, H. H. The differentiation of the retina in the primates. *Proc. zool. Soc. Lond.*, 1927, (1), 1–17, 4 pls. [14r: Pn C-p C-c Mc Aot Ceb Hap Lm Nyct-c Tars]
See also: 2092, 2195, 2424, 2429.

THE EAR—MIDDLE & INTERNAL EAR

2454a. Ardouin, P. Considérations anatomiques sur les osselets de l'ouïe chez certains singes anthropomorphes. *Bull. Soc. Anthropol. Paris*, 1934, (8), 5, 20–47. [13f-1t: Pn Png]

2455. de Burlet, H. M. Die Stellung der Maculae acusticae im Schädel des Menschen und einiger Säugetiere. *Gegenbaurs Jb.*, 1930, 64, 377–393. [+ 5f-2t: Mc]

2456. de Burlet, H. M. & de Haas, J. H. Die Stellung der Maculae acusticae im Macacus-Schädel. *Z. Anat. EntwGesch.*, 1924, 71, 233–239. [4f-1t: Mc]

2457. Doran, A. H. G. On the comparative anatomy of the auditory ossicles of the mammalia. *Proc. roy. Soc.*, 1876, 25, 101–109. [Abstr.]

2458. Doran, A. H. G. Morphology of the mammalian ossicula auditus. *Trans. Linn. Soc. Lond. Zool.*, 1878, (2), 1, 371–497, pls. 58–64. [+ Gr Pn Png Symp Prsb Clb C-p Mc Cyn-p Pp Aot Chirop Saim Ceb Atl Al Hap Oed-m Lm Chrg Pr-p Indr Lor Nyct-c Arct-c Glg Daub Tars]

2459. Frey, H. Vergleichend-anatomische Studien über die Hammer-Amboss-Verbindung der Säuger. *Arb. anat. Inst., Wiesbaden*, 1911, 44, 363–347, pls. 14–24. [+ 26r: Hyl Mc]

2460. Girard, L. Le plan des canaux semi-circulaires horizontaux considéré comme plan horizontal de la tête. *Bull. Soc. Anthropol. Paris*, 1923, (7), 4, 14–33. [+ 14f-nt: Gr Pn Png Symp Mc Pp Lm]

2461. Gray, Albert A. *The labyrinth of animals, including mammals, birds, reptiles and amphibians*. London: J. & A. Churchill, 1907, vol. 1, x, 198 pp., 31 pls. [+ nt: C-p Cyn-p Pp Hap Lm Nyct-c]

2462. Haag, E. Über den Bau der Labyrinthkapsel einiger Affenarten. *Arch. Ohr-, Nas.- u. KehlkHeilk.*, 1933, 136, 14–23. [4f-nr: Mc Pp]

2463. Hoffman, E. F. & Bast, T. H. A comparative study of the "utrículo-endolymphatic valve" in some of the common mammals. *Anat. Rec.*, 1930, 46, 333–347. [+ 4pl-5r: monkey]

2464. Holz, K. Vergleichende anatomische und topographische Studien über das Mittelohr der Säugetiere. *Z. Anat. EntwGesch.*, 1931, 94, 757–791. [+ 22f: C-p Hap]

2465. Hyrtl, Joseph. *Vergleichend-anatomische Untersuchungen über das innere Gehörorgan des Menschen und der Säugethiere*. Prag: Friedrich Ehrlich, 1845, 139 pp., 9 pls. [+ i: Png C-p Myst Lm Nyct-c]

2466. Joseph, G. Über das Verhalten des äusseren Gehörgangs und der Paukenhöhle bei den americanischen Affen. *Jahresber. Schles. Ges. nat. Cult.*, 55, 1877 [1888], 72–73. [Abstr.]

2467. Kolmer, W. Histologische Studien am Labyrinth mit besonderer Berücksichtigung des Menschen, der Affen und der Halbaffen. *Arch. mikr. Anat.*, 1909, 74, 259–310, pl. 14–17. [r: Png Hyl Mc Ceb Lm]

2467a. Meyer, M. Die normale Anatomie der Labyrinthkapsel. *Z. Hals- Nas.- u. Ohrenheilk.*, 1933, 34, 2–72. [+ 26f-nr: Mc Pp]

2468. Pritchard, U. The organ of Corti in mammals. *Proc. roy. Soc.*, 1876, 24, 346–352. [+ Abstr.: monkey]

2469. Tafani, A. L'organe de Corti chez les singes. *Arch. ital. Biol.*, 1884, 6, 207–247. [8f: C-p]

2470. Trouessart, E. Sur la conformation de l'oreille moyenne des lémurien et sur les rapports des lémurien fossiles de France avec ceux de Madagascar. *C. R. Soc. Biol., Paris*, 1906, 61, 712–715. [3f: Lm Chrg Lor Nyct-c Prdct Glg †††]

2471. Wilson, J. G. The nerves and nerve-endings in the membrana tympani. *J. comp. Neurol.*, 1907, 17, 459–468, pl. 5. [+ Mc]

See also: 1265, 1269, 1274, 1279.

THE EAR—EXTERNAL EAR

2472. Boas, Johan Erik Vesti. *Ohrknorpel und äusseres Ohr der Säugetiere. Eine vergleichend-anatomische Untersuchung*. Kopenhagen, 1912, 226 pp., 25 pls. [+ Gr Pn Png Hyl Prsb C-p C-c Mc Pp Saim Ceb Atl Al Hap Lm Nyct-c Prdct Glg]

2473. Keith, A. The results of an anthropological investigation of the external ear. *Proc. anat. anthrop. Soc., Aberd.*, 1906, 217–239. [+ 6f-5t: Gr Pn Png Hyl Lm]

2474. Koch, Walo. *Die Entwicklung der Ohrmuschel bei anthropoiden Affen in ihren Beziehungen zur den Bildungs-Anomalien der menschl. Ohrmuschel*. Inaug.-Diss. (Med.) Zürich. Buchs: J. Kuhn, 21 pp., 1 pl. [+ 7r: Gr Pn Png Hyl]

2475. Schwalbe, G. Das Darwin'sche Spitzohr beim menschlichen Embryo. *Anat. Anz.*, 1889, 4, 176–189. [+ 7f: C-p Mc]

2476. Schwalbe, G. In wiefern ist die menschliche Ohrmuschel ein rudimentäres Organ? *Arch. Anat. Physiol., Lpz., Anat. Abt.*, 1889, Suppl. Bd. 241–269, pl. 9. [+ 1f: Png Mc]

2476a. Schwalbe, G. Beiträge zur Anthropologie des Ohres. In: *Festschrift, Rudolph Virchow: International Beiträge zur wissenschaftlichen Medicin*, Berlin: A. Hirschwald, 1891, vol. 1, 95-144, 1 pl. [+ 12f-12i]

2477. Schwalbe, G. Beiträge zur Kenntnis des äusseren Ohres der Primaten. *Z. Morph. Anthropol.*, 1916, 19, 545-668, 1 pl. [71f-49r: Gr Pn Png Hyl Symph Prsb Nas Clb C-p C-c Mc Pp Saim Ceb Atl Al Hap Leon-c Lm Nyct-c Prdt Glg Tars]

2478. Streeter, G. L. Some uniform characteristics of the primate auricle. *Anat. Rec.*, 1922, 23, 335-341. [14f: Gr Pn Png Hyl Nas Mc Pp Atl Al Hap Lm Tars]

2479. Wallis, H. M. On the growth of hair upon the human ear, and its testimony to the shape, size, and position of the ancestral organ. *Proc. zool. Soc. Lond.*, 1897, 298-310, pls. 19-22. [++ r: Gr Pn Hyl C-p Mc Pp Lm Nyct-c Daub]

See also: 112, 198, 243, 323, 327, 2466.

OLFACTORY & GUSTATORY ORGANS

2480. Kiesow, F. Contributo alla conoscenza delle terminazioni nervose nelle papille della punta della lingua. *Atti. Accad. Torino*, 1904, 39, 396-402. [1f: Mc]

See also: 105, 106, 471, 472, 565, 577, 578, 582.

SENSE ORGANS OF SKIN, MUSCLES, VISCERA &c.

2481. Ceccherelli, G. Sulla presenza dei corpuscoli di Ruffini nel connettivo peritendineo dell'uomo e della scimmia. *Atti. Accad. Fisiocr. Siena*, 1904 [1905], (4), 16, 313-316. [C-p]

2482. Hoggan, G. & Hoggan, Frances Elizabeth. Forked nerve endings on hairs. *J. Anat., Lond.*, 1893, 27, 224-231, pl. 12. [+ Mc Ceb]

2483. Krause, W. Die Nervenendigungen im Greifschwanz eines Affen der neuen Welt. *Z. rat. Med.*,* 1866, (3), 28, 89-91, pl. 5. [Atl]

2484. Nepveu, G. Observations sur les corpuscles de Pacini chez le singe. *Ann. Sci. nat., Zool.*, 1869, (5), 12, 326-337, pls. 19-20. [2t: Pn C-p Pp Ceb]

2484a. Sestini, F. Sulla struttura del glande del Cinocefalo amadiade—osservazioni sulle terminazioni nervose. *Atti Accad. Fisiocr. Siena, Sez. med.-fis.*, 1936, (11), 4, 307-310, 1 pl. [2f: Pp]

2485. Sherrington, C. S. Further note on the sensory nerves of muscles. *Proc. roy. Soc.*, 1897 [1897], 61, 247-249. [++ monkey]

2486. Voss, H. Ein besonders reichliches Vorkommen von Muskelspindeln in der tiefen Portion des M. masseter des Menschen und der Anthropoiden. *Anat. Anz.*, 1936, 81, 290-292. [++ 1f: Pn Png]

2486a. Voss, H. Untersuchungen über Zahl, Anordnung und Länge der Muskelspindeln in den Lumbricalmuskeln des Menschen und einiger Tiere. *Z. mikr.-anat. Forsch.*, 1937, 42, 509-524. [++ 4f-4t: Pn Png Pp Atl Lm]

See also: 2371, 2380, 2979.

Physiology & Pharmacology

Blood & Circulation; Respiration

CELLS OF THE BLOOD

2487. Anderson, J. F. & Neill, M. H. The blood-picture of healthy rhesus monkeys. *J. med. Res.*, 1915, 33, 141-145. [It-4r: Mc]
2488. Bilimoria, H. S. Blood findings in normal monkeys. *Indian J. med. Res.*, 1931, 19, 431-432. [It: Mc]
2489. Fox, H. The blood count of *Macacus rhesus*. *Folia haemat.*, 1927, 35, 272-279. [3f: Mc]
2490. Friedmann, L. M. (Le tableau du sang chez les singes.) *Russ. J. trop. Med.*, 1929, 7, 620-629. [nt-Russ. with Fr. abstr.: Mc Pp]
2491. Gulliver, G. On the size of the red corpuscles of the blood in the Vertebrata, with copious tables of measurements. *Proc. zool. Soc. Lond.*, 1845, 93-102. [+ 5t: Pn Png Hyl Prsb C-c C-p Ery-c Mc Pp Mndr Saim Ceb Atl Hap Leon-c Lm Lor Nyct-c]
2492. Gulliver, G. On the red corpuscles of the blood of Vertebrata, and on the zoological import of the nucleus, with plans of their structure, form, and size (on a uniform scale), in many of the different orders. *Proc. zool. Soc. Lond.*, 1862, 91-103. [+ 18f-t: Pn Atl Lm]
2493. Gulliver, G. Observations on the sizes and shapes of the red corpuscles of the blood of vertebrates, with drawings of them to a uniform scale, and extended and revised tables of measurements. *Proc. zool. Soc. Lond.*, 1875, 474-495, pl. 55. [+ nt: see 2491]
2494. Hall, B. E. The morphology of the cellular elements of the blood of the monkey, *Macacus rhesus*. *Folia haemat.*, 1929, 38, 30-43, pl. 3. [2f-1t-38r: Mc]
2495. Hayem, Georges. *Du sang et de ses altérations anatomiques*. Paris. G. Masson, 1889, xxvi, 1035 pp. [C-p C-c Mc Pp Saim Hap Lor]
2496. Kleineberger, Carl. *Die Blutmorphologie der Laboratoriumstiere*. Leipzig: J. A. Barth, 1927, vi, 136 pp. [+ nt: Mc Pp]
2497. Knoll, W. Das morphologische Blutbild der Säugetiere. I. Allgemeine und spezielle Morphologie der kernhaltigen Blutzellen der Säugetiere. *Z. mikr.-anat. Forsch.*, 1932, 30, 116-150, pls. 4-5. [+ 1t-70r: Aot Cal-c Cacaj Atl ?Hap Leon-c Glg]
2498. Knoll, W. Untersuchungen über die Morphologie des Säugetierblutes. *Folia haemat.*, 1932, 47, 201-219. [+ 2t-93r: see 2497]
- 2498a.* Kohanawa, C. (Über den Blutbefund bei *Macacus fuscatus*.) *Fikken Ig. Z.*, Tokyo,* 1921, 5, 29-58. Abstr.: *Jap. J. med. Sci.*, 1922, 1, no. 2, 206. [Mc]
2499. Krumbhaar, E. B. Reticulosis—increased percentage of reticulated erythrocytes in the peripheral blood. *J. lab. clin. Med.*, 1922, 8, 11-18. [4f-1t: monkey]
2500. Krumbhaar, E. B. & Musser, J. H., Jr. Studies of the blood of normal monkeys. *J. med. Res.*, 1920, 42, 105-190. [7r: Mc]
- 2500a.* Nesturch, M. T. Beitrag zur Hämatologie eines einjährigen Orang-Utan. *Russk. Antrop.-Zh.*, 1928, 17, 7-11. Gr. abstr. p. 11. [Png]
2501. Peters, N. Das morphologische Blutbild der Säugetiere. II. Über die Grössenverhältnisse der Erythrocyten der Säugetiere. *Z. mikr.-anat. Forsch.*, 1932, 30, 151-174. [+ 2t-5f-30r: Cal-c Cacaj Atl Hap Leon-c Glg]
2502. Ponder, E., Yeager, J. F. & Charipper, H. A. Studies in comparative haematology.—II. Primates. *Quart. J. exp. Physiol.*, 1928, 19, 181-195. [5f-6t: Gr Pn Png C-p Mc Pp Aot Saim Ceb Atl Hap Lm]
2503. Ponder, E., Yeager, J. F. & Charipper, H. A. Haematology of the primates. *Zoologica*, N. Y., 1929, 11, 9-18. [see 2502]
2504. Scarborough, R. A. The blood picture of normal laboratory animals. *Yale J. Biol. Med.*, 1932, 4, 199-206. [++ nt-nr-a review]
- 2504a. Seki, M. Studien der elektrischen Ladung und Färbbarkeit der Erythrocyten. II. Die Erythrocyten der Affen und Halbaffen. *Z. Zellforsch.*, 1933, 18, 544-549. [7t-r: Mc Lor]
2505. Shukers, C. F., Langston, W. C. & Day, P. L. The normal blood picture of the young rhesus monkey. *Folia haemat.*, 1938, 60, 416-424. [4t-23r: Mc]
- 2505a. Visnevskij, N. (Über die morphologische Zusammensetzung des Affenblutes.) *Biol. Zh.*, Mosk., 1933, 2, 94-96. [Russ.]
2506. Wells, J. J. & Sutton, J. E. Blood counts in the frog, the turtle and twelve different species of mammals. *Amer. J. Physiol.*, 1915, 39, 31-36. [+ 1t: monkey]
- See also: 2573, 2591, 2615, 2618, 2620, 2628, 2629, 2759.

PHYSICAL & CHEMICAL PROPERTIES OF THE BLOOD

2507. Soloviev, B. M. [Physico-chemical researches on the blood of monkeys.] *Bull. Acad. Sci. Ukr. phys.-math.*, 1929, 4, 234-238. [1t-Russ.-Biol. Abstr., 1933, 7, no. 620: Mc Pp]

2508. Solowiev, B. M. Über das spezifische Gewicht des Affenblutes. *Biol. Zbl.*, 1930, 50, 116-119. [3t: Mc Pp]

2509. Sprunt, D. H. The influence of Roentgen rays on the acid-base equilibrium. *J. biol. Chem.*, 1931, 92, 605-613. [+ 2f: Mc]

2510. Yannet, H., Darrow, D. C. & Cary, M. Katherine. The effect of changes in the concentration of plasma electrolytes on the concentration of electrolytes in the red blood cells of dogs, monkeys and rabbits. *J. biol. Chem.*, 1936, 112, 477-488. [++ 3f-2t-r: monkey]

See also: 2504a, 2607, 2618, 2620, 2647, 2648, 2652, 2681a, 2691, 2699, 2701, 2702.

SEROLOGY—PRECIPITINS

2511. Berkeley, H. K. The impossibility of differentiation between monkey blood and human blood by means of antisera derived from monkeys. *Univ. Calif. Publ. Path.*, 1913, 2, 105-110. [++ 3t: Mc]

2512. Biondi, C. Beitrag zum Studium der biologischen Methode für die spezifische Diagnose des Blutes. *Vjschr. gerichtl. Med.*, 1902, 23, Suppl.-Heft, 1-37. [+ 54r: C-p Mc]

2513. Bruck, C. Die biologische Differenzierung von Affenarten und menschlichen Rassen durch spezifische Blutreaktion. *Berl. klin. Wschr.*, 1907, 44, 793-797. Abstr.: *Arb. Gesundh.Amt., Berl.*, 1911, 37, 618-621. [++ 2t: Png Hyl Mc]

2514. Chiò, M. Il sangue dell' urang-utan è più affine al sangue dell'uomo che non a quello delle scimmie non antropoidi. *Atti Accad. Torino*, 1905-06, 41, 1093-1097. Fr. transl.: *Arch. ital. Biol.*, 1907, 46, 34-38. [6r: Png Mc Pp]

2515. Chtefko, V. (Les expériences biologiques et leur rôle dans le systématique des primates.) *Russ. antrop. Zh.*, 1922, 12, (1), 80-91, and 238. [3r-Russ. with Fr. abstr.: Prsb C-p Lm-oid]

2516. Friedenthal, H. Ueber einen experimentellen Nachweis von Blutsverwandtschaft. II. Theil. Ueber die Verwerthung der Reaction auf Blutsverwandtschaft. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1905, 1-24. [+ Pn Png Mc Pp Al Lm]

2517. Fujiwara, K. Eine neue Methode, Menschenblut von Affenblut zu unterscheiden. *Dtsch. Z. ges. gerichtl. Med.*, 1922, 1, 754-760. [5t: Mc]

2518. Grünbaum, A. S. F. Note on the "blood relationship" of man and the anthropoid apes. *Lancet*, 1902, (1), 143. [Gr Pn Png]

2519. Hektoen, L. The precipitin test for blood. *J. Amer. med. Ass.*, 1918, 70, 1273-1278. [+ 2f-3t-12r: Mc]

2520. Hektoen, L., Fox, H. & Schulhof, K. Specificness in the precipitin reaction of thyroglobulin. *J. infect. Dis.*, 1927, 40, 641-646. [+ 3t-r: C-p Pp]

2521. Hektoen, L. & Schulhof, K. On specific erythroprecipitins (hemoglobin precipitins?). *J. infect. Dis.*, 1922, 31, 32-39. [+ 2t-11r: Mc]

2522. Hektoen, L. & Schulhof, K. On specific erythroprecipitins (hemoglobin precipitins?). II. Hemoglobin precipitins in identification of blood. *J. infect. Dis.*, 1923, 33, 224-229. [+ 3t-2r: monkey]

2523. von Krogh, C. Beiträge zur Theorie der Präzipitinreaktion und zu den serologischen Beziehungen zwischen Mensch und Pavian. *Z. Rassenphysiol.*, 1936, 8, 23-37. [14f-1t: Pp]

2524. von Krogh, C. Serologische Untersuchungen über die stammesgeschichtliche Stellung einiger Primaten. *Anthrop. Anz.*, 1937, 13, 240-247. [8f: Pn Png Mc Pp]

2525. Mollison, T. Die biologische Eiweissdifferenzierung als Hilfsmittel zur Erkenntnis der verwandtschaftlichen Beziehungen der Wirbeltiere, besonders des Menschen. *S. B. Isis Dresden*, 1912, 3-6. [+ Pn Png Hyl Mc]

2526. Mollison, T. Die Präzipitinreaktion als Zeugnis für die Anthropomorphenverwandtschaft des Menschen. *KorrespBl. dtsh. Ges. Anthrop.*, 1912, 43, 132-134. [3f: Pn Mc]

2527. Mollison, T. Serodiagnostik als Methode der Tiersystematik und Anthropologie. *Handb. biol. ArbMeth.*, 1924, Abt. 9, Teil 1, Hälfte 1, 553-583. [+ 12f]

2528. Mollison, T. Arteiweiss und Erbsubstanz. *Z. Morph. Anthrop.*, 1934, 34, 261-269. [+ 1f: Png]

2529. Mollison, T. & von Krogh, C. Ein weiterer Beweis der chemischen Epigenese in der Stammesgeschichte der Primaten. *Anthrop. Anz.*, 1937, 13, 235-239. [6f: Pn Png Mc Pp]

2530. Nuttall, George Henry Falkiner. *Blood immunity and blood relationship. A demonstration of certain blood-relationships amongst animals by means of the precipitin test for blood.* Cambridge: University Press, 1904, xii, 444 pp. 1 pl. [+ vnt-nr: Gr Pn Png Prsb C-p Ery-c Mc Thr-p Pp Mndr Aot Cacaj Saim Ceb Lag Atl Al Hap Oed-m Lm]

2531. Seber, M. *Moderne Blutforschung und Abstammungslehre.* Frankfurt: Neuer Frankfurter Verlag, 1909, 61 pp. [+]

2532. Stern, R. Ueber den Nachweis menschlichen Blutes durch ein "Antiserum." *Dtsch. med. Wschr.*, 1901, 27, 135. [+ C-p Mc]

2533. Strauch, C. Die neue biologische Blutserum-Reaktion, insbesondere bei anthropoiden Affen und bei Menschen. *Z. Ethn.*, 1902, 34, 467-471. [++ 10r: Png]

2534. Sutherland, W. D. The applicability to medico-legal practice in India of the biochemical tests for the origin of blood-stains. *Sci. Mem. Med. Sanit. Dep. India*, 1910, n.s., 39, 35 pp. [+ 1f-6t-nr: Mc]

2535. Uhlenhuth, P. Ein neuer biologischer Beweis für die Blutsverwandtschaft zwischen Menschen- und Affengeschlecht. *Arch. Rass.- u. Ges. Biol.*, 1904, 1, 682-688. *Umschau*, 1904, 8, 761-764. *Fortschr. Med.*, 1904, 22, 946-948. *Mitt. naturw. Ver. Greifswald*, 1904, 36, 54-61.

[Gr Pn Png Hyl Atl Al Hap Lm]

2536. Uhlenhuth, P. & Weidanz, O. Die biologischen Methoden im Dienste der anthropologischen Forschung, mit besonderer Berücksichtigung der Untersuchung von ägyptischem Mumienmaterial und von Mumien aus dem "Bleikeller" in Bremer Dom. *Z. Morph. Anthropol.*, 1914, 18, 671-706. [+ 2f-5r: Pn Png C-p Lm]

2537. Wassermann, A. & Schütze, A. Ueber eine neue forensische Methode zur Unterscheidung von Menschen- und Thierblut. *Berl. klin. Wschr.*, 1901, 38, 187-190.

2538. Weichsel, M. & Salfeld, H. A "normal antibody" in monkey serum. *J. Immunol.*, 1937, 32, 171-179. [3t-6r: Mc]

2539. Wolfe, H. R. Factors which may modify precipitin tests in their applications to zoölogy and medicine. *Physiol. Zoöl.*, 1933, 6, 55-90.

[+ 34t-34r: Pn Mc Pp Lm]

2540. Zuckerman, S. The primate affinities of the blood serum of the lemurs *Perodicticus* and *Galago*. *Proc. zool. Soc. Lond.*, 1934, (2), 609-612.

[2t: Pn Mc Pp Lm Prdet Glg]

2541. Zuckerman, S. & Sudermann, Ann E. Serum relationships within the family Cercopithecidae. *J. exp. Biol.*, 1935, 12, 222-228.

[4t: Pn C-p C-c Mc Pp Ceb Prdet]

See also: 222, 2559, 3917, 4012, 4015.

SEROLOGY—BLOOD GROUPS

2542. Buchbinder, L. The blood grouping of *Macacus rhesus*. Including comparative studies of the antigenic structure of the erythrocytes of man and *Macacus rhesus*. *J. Immunol.*, 1933, 25, 33-59. [+ 2f-9t-r: Mc]

2543. Dahr, P. Über A-B-O-Blutgruppen und M-N-Blutfaktoren anthropoider und niederer Affen. *Z. Rassenphysiol.*, 1936, 8, 145-163.

[20t-27r: Pn Png Hyl C-p C-c Atl Lm]

2544. Dahr, P. Weitere Blutgruppenbefunde bei Anthropoiden. *Z. Rassenphysiol.*, 1937, 9, 124-142. [nt: Pn Png C-p C-c Mc Atl]

2545. Dahr, P. Zur Frage der serologischen Verschiedenheit von Altweltaffen (Catarrhini) und Neuweltaffen (Platyrrhini). *Z. Immunforsch.*, 1937, 90, 376-406. [22t-23r: Clb C-p Ery-c C-c Mc Pp Mndr Aot Ceb Atl Hap Myst Leon-c Lm]

2546. Dahr, P. Ueber das B-Agglutinin anthropoider und niederer Affen und anderer Säugtiere. *Z. Immunforsch.*, 1937, 91, 211-226. [+ 11t-24r: Png Ceb Saim]

2546a. Dahr, P. Über Blutgruppen bei Menschenaffen. *Dtsch. med. Wschr.*, 1938, 64, 1576-1578. [3t: Gr Pn Png]

2547. Dahr, P. & Rommel, R. Blutgruppenbefunde bei Schimpansen. *Z. Immunforsch.*, 1937, 90, 494-506. [10t-16r: Pn Png]

2548. v. Dungern, [E.] & Hirschfeld, [L.] Ueber gruppenspezifische Strukturen des Blutes. III. *Z. Immunforsch.* 1911, 8, Orig., 526-562.

[+ vnt: Pn Mc]

2549. Fischer, W. & Klinkhart, G. Ueber Hämagglutination und Hämolyse bei *Macacus cynomolgus* und *Simia rhesus*. *Z. Immunforsch.*, 1932, 75, 513-526. [5t-14r: Mc]

2550. Friedenthal, H. Ueber einen experimentellen Nachweis von Blutsverwandtschaft. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1900, 494-508.

[+ Pn Png Hyl Mc Pp Saim Atl Lm]

2551. Friedenthal, H. Neue Versuche zur Frage nach der Stellung des Menschen im zoologischen System. *S. B. preuss. Akad. Wiss.*, 1902, (2), 830-835.

[++ 7r: Gr Pn Png Clb Mc Thr-p Pp]

2552. Hirano, H. Blood groups in Philippine monkeys. *Philipp. J. Sci.*, 1932, 47, 449-462.

[12t-5r: Mc]

2553. Landsteiner, K. Sur les propriétés sérologiques du sang des anthropoïdes. *C. R. Soc. Biol., Paris*, 1928, 99, 658-660.

[2t-3r: Pn Png Hyl]

2554. Landsteiner, K. & Levine, P. On individual differences in human blood. *J. exp. Med.*, 1928, 47, 757-775. [+ 2f-9t-21r: Pn Png Hyl C-p Mc Pp Ceb Lm]

2555. Landsteiner, K. & Levine, P. Immunization of chimpanzees with human blood. *J. Immunol.*, 1932, 22, 397-400. [4t-4r: Pn]

2556. Landsteiner, K. & Miller, C. P., Jr. Serological studies on the blood of the primates. I. The differentiation of human and anthropoid bloods. *J. exp. Med.*, 1925, 42, 841-852. Also: *Science*, 1925, n.s., 61, 492-493.

[8t-r: Gr Pn Png Mc Pp]

2557. Landsteiner, K. & Miller, C. P., Jr. Serological studies on the blood of the primates. II. The blood groups in anthropoid apes. *J. exp. Med.*, 1925, 42, 853-862.

[6t-r: Gr Pn Png Hyl]

2558. Landsteiner, K. & Miller, C. P., Jr. Serological studies on the blood of the primates. III. Distribution of serological factors related to human isoagglutinogens in the blood of lower monkeys. *J. exp. Med.*, 1925, 42, 863-872.

[3t: Pn C-p C-c Mc Pp Aot Saim Ceb Lag Atl Al Hap Lm]

2559. Landsteiner, K. & van der Scheer, J. On the specificity of agglutinins and precipitins. *J. exp. Med.*, 1925, 40, 91-107. [+ 9t-25r: Mc]

2560. Landsteiner, K. & Wiener, A. S. On the presence of M agglutinogens in the blood of monkeys. *J. Immunol.*, 1937, 33, 19-25.

[4t-5r: Pn C-p C-c Mc Pp Mndr Ceb Lag Atl Al Lm]

2561. Lawson, G. B. & Redfield, K. T. Isohemagglutinins in the lower animals. *J. Lab. clin. Med.*, 1930, 15, 629-632.

[++ 2t-7r: monkey]

2562. Loeffler, L. Kurze Mitteilung über Blutgruppenuntersuchungen an niederen Affen. *Anthrop. Anz.*, 1931, 7, Sonderheft, 40-42.

[1t: C-p Mc]

2563. Marshall, H. T. Studies in haemolysis with special reference to the properties of the blood and body fluids of human beings. *J. exp. Med.*, 1901-05, 6, 347-375.

[++ 15t-r: Mc]

2564. Rode, P. Etude des groupes sanguins chez les mammifères. La sérologie dans ses relations avec la systématique.—Les groupes sanguins des mammifères sauvages. Première liste. Terminologie. *C. R. Soc. Biol., Paris*, 1934, 115, 27-29; 116, 42-25.

2565. Rode, P. Les recherches sur les groupes sanguins et le problème de l'espèce. *Arch. Mus. Hist. nat. Paris*, 1935, (6), 12, 497-503.

[+ Lm]

2565a. Sera, G. L. Proposta di interpretazione dei tipi sierologici A, B, AB, O, nell'uomo e nei mammiferi. *Riv. Biol., Firenze*, 1938, 24, 99-111.

[esp. Gr. Pn Png]

2566. Troisier, J. Le groupe sanguin II de l'homme chez le chimpanzé. *Ann. Inst. Pasteur*, 1928, 42, 363-379.

[7f-r: Pn]

2567. Weinert, H. Blutgruppenuntersuchungen an Menschenaffen. *Kosmos, Stuttgart*, 1929, 26, 375-378.

[2f: Pn Png]

2568. Weinert, H. Blutgruppenuntersuchungen an Menschenaffen und ihre stammesgeschichtliche Bewertung. *Z. Rassenphysiol.*, 1931, 4, 8-23.

[2f-t: Gr Pn Png Hyl C-p C-c]

2569. Weinert, H. Weitere Blutgruppenuntersuchungen an Affen. 2. Mitteilung. *Z. Rassenphysiol.*, 1932, 5, 59-68.

[t: Gr Pn Png Hyl Mc Pp Ceb Lag]

2570. Weinert, H. Neue Blutgruppenuntersuchungen an Affen im Jahre 1932. 3. Mitteilung. *Z. Rassenphysiol.*, 1933, 6, 75-81.

[t: Gr Pn Png Hyl Mc Cyn-p Pp]

2571. Weinert, H. Blutgruppenuntersuchungen an Gibbonaffen im Jahre 1934. (4. Mitteilung.) *Z. Rassenphysiol.*, 1935, 7, 167-170.

[1t: Hyl]

2572. Wiener, A. S. The agglutinogens M and N in anthropoid apes. *J. Immunol.*, 1938, 34, 11-18.

[2t-4r: Pn Png Hyl C-p Mc Ceb Atl]

See also: 2515, 2527, 4015.

HEMATOPOIESIS & HEMOLYSIS— ANEMIA

2573. Bussabarger, R. A. & Ivy, A. C. Hematologic studies on gastrectomized monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 151-152.

[2t: Mc]

2574. Goldhamer, S. M. Blood changes following gastrectomy in monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1934, 32, 310-312.

[Mc]

2575. Hubrecht, A. A. W. Bloedvorming in de placenta van *Tarsius* en andere zoogdieren. *Versl. gewone Vergad. Akad. Amst.*, 1898, 7, 225-228.

—Haemotopoiesis in the placenta of *Tarsius* and other mammals. *Proc. Acad. Sci. Amst.*, 1898, 1, 167-170.

[+++ Tars]

2576. Krumbhaar, E. B. & Musser, J. H., Jr. The effect of splenectomy on the hemopoietic system of *Macacus rhesus*. *Arch. intern. Med.*, 1923, 31, 686-700.

[6f-6t-10r: Mc]

2577. Taylor, H. D., Witherbee, W. D. & Murphy, J. D. Studies on X-ray effects. I. Destructive action on blood cells. *J. exp. Med.*, 1929, 29, 53-73.

[+ 10t: Mc]

See also: 778, 2490, 2500, 2617, 2618, 2621, 2628, 2628a, 2629.

THE CIRCULATION

2578. Dale, H. H. & Laidlaw, P. P. Further observations on the action of 3-iminazolyethylamine. *J. Physiol.*, 1911, 43, 182-195.

[+ 8f: monkey]

2579. Goldblatt, H. Studies on experimental hypertension. III. The production of persistent hypertension in monkeys (macaque) by renal ischemia. *J. exp. Med.*, 1937, 65, 671-675.

[1f-16r: Mc]

2580. Hill, L. The influence of the force of gravity on the circulation of the blood. *J. Physiol.*, 1895, 18, 15-53.

[+ 25f-19r: Mc]

See also: 2738, 3139, 3141, 3142, 3149, 3282a.

THE HEART

2581. Abramson, D. I., Katz, L. N., Margolin, S. & Lourie, R. Variations in electrocardiographic form of experimental ventricular ectopic beats induced in monkey and dog. *Amer. Heart J.*, 1937, 13, 217-227.

[++ 2f-13r: Mc]

2581a. Barbour, H. G. & Prince, A. L. The influence of epinephrin upon the coronary circulation of the monkey. *J. exp. Med.*, 1915, 21, 330-337, pl. 22.

[2t: Mc]

2582. Boruttau, H. Das Affen-Elektrokardiogramm. *Zbl. Physiol.*, 1918, 32, 1-3.

[2f: Mc]

2583. Kountz, W. B., Prinzmetal, M. & Smith, J. R. The effect of position of the heart on the electrocardiogram. III. Observations upon the electrocardiogram in the monkey. *Amer. Heart J.*, 1935, 10, 623-629.

[3f-1t: Mc Ceb]

2584. Nahum, L. H. & Hoff, H. E. The mechanism of sudden death in experimental acute benzol poisoning. *J. Pharmacol.*, 1934, 50, 336-345. [++ 3f-13r: Mc]

2585. Robb, Jane S. & Robb, R. C. The excitatory process in the mammalian ventricle. *Amer. J. Physiol.*, 1936, 115, 43-52. [++ 1f-5t: Mc]

2586. Roberts, G. H., Crawford, J. H. & Abramson, D. I. Experimental bundle branch block in monkey. *J. clin. Invest.*, 1935, 14, 867-870. [3f: Mc]

2587. de Waart, A. & Storm, C. J. Electrocardiographic observations on Javanese monkeys. *Arch. néerl. Physiol.*, 1935, 20, 255-277. Abstr.: *Acta brev. neerl. Physiol.*, 1934, 4, 130-135. [2f-t: Mc]

2588. de Waart, A., Storm, C. J. & Koumans, A. K. J. Ligation of the coronary arteries in Javanese monkeys. I. Introduction, general experimental results, especially the changes in the ventricular electrocardiogram. *Amer. Heart J.*, 1936, 11, 676-704. [18f-8t-41r: Mc]

2588a. de Waart, A., Storm, C. J. & Koumans, A. K. J. Ligation of the coronary arteries in Javanese monkeys. II. Arrhythmias and conduction disturbances. *Amer. Heart J.*, 1936, 12, 70-87. [15f-3t-24r: Mc]

See also: 2920, 3005, 3139, 3200, 3235, 3282a.

VASOMOTOR NERVES & REFLEXES

2589. Ascroft, P. B. The basis of treatment of vasospastic states of the extremities: an experimental analysis in monkeys. *Brit. J. Surg.*, 1937, 24, 787-816. [24f-35r: Mc]

2590. Bülbring, Edith & Burn, J. H. Sympathetic vaso-dilator fibres in the hare and the monkey compared with other species. *J. Physiol.*, 1936, 88, 341-360. [++ 15f: Mc]

See also: 3001, 3003, 3005, 3141, 3145, 3196a, 3243.

RESPIRATION

2590a. Aggazzotti, A. Esperienze fatte sopra di un orang-utang colla rarefazione dell'aria. *R. C. Accad. Lincei.*, 1905, (5), 14, (1), 706-713. [Idem no. 2590b]

2590b. Aggazzotti, A. Expériences faites sur un orang-outan avec la raréfaction de l'air. 1^{re} note. *Arch. ital. Biol.*, 1905, 44, 39-48. [5f: Png]

2590c. Aggazzotti, A. Expériences faites sur un orang-outan. Action de l'oxygène dans le malaise produit par la raréfaction de l'air. 2^e note. *Arch. ital. Biol.*, 1905, 44, 137-149. [1t: Png]

2590d. Aggazzotti, A. Expériences sur un orang-outan. Action de l'anhydride carbonique

dans le malaise produit par la raréfaction de l'air. 3^e note. *Arch. ital. Biol.*, 1905, 44, 150-159. [1t: Png]

2590e. Aggazzotti, A. Expériences sur un orang-outan. Action simultanée de l'O₂ et du CO₂ dans le malaise produit par la raréfaction de l'air. 4^e note. *Arch. ital. Biol.*, 1910, 44, 331-342. [2t: Png Mc]

2591. Campbell, J. A. Further observations on oxygen acclimatization. *J. Physiol.*, 1927, 63, 325-342. [+ 5f-9t-r: Mc]

2592. Campbell, J. A. Note on some pathological changes in the tissues during attempted acclimatization to alterations of O₂-pressure in the air. *Brit. J. exp. Path.*, 1927, 8, 347-351, 1 pl. [+ Mc]

2593. Mosso, A. Expériences faites sur les singes avec la dépression barométrique. *Arch. ital. Biol.*, 1904, 41, 384-397. In Italian: *R. C. Accad. Lincei*, 1904, (5), 13, (2), 201-211. [2f: Mc Pp]

2594. Mosso, A. Expériences faites sur les singes à Turin et sur le sommet du Mont Rosa. *Arch. ital. Biol.*, 1904, 41, 397-401. In Italian: *R. C. Accad. Lincei*, 1904, (5), 13, (1), 212-216. [Mc]

2594a. Mosso, A. Dans la dépression barométrique la sensibilité pour l'anhydride carbonique diminue. Expériences sur les animaux. *Arch. ital. Biol.*, 1904, 41, 438-445. In Italian: *R. C. Accad. Lincei*, 1904, (5), 13, (1), 591-597. [++ 3f: Pp]

2594b. Mosso, A. La diminution de tension de l'oxygène ne suffit pas pour expliquer le sommeil et d'autres phénomènes qui se produisent dans les fortes dépressions barométriques. *Arch. ital. Biol.*, 1904, 42, 23-31. In Italian: *R. C. Accad. Lincei*, 1904, (5), 13, (1), 680-687. [+++ Mc Pp]

2594c. Mosso, A. Dépression barométrique et pression partielle du CO₂ dans l'air respiré. Observations faites sur les singes. *Arch. ital. Biol.*, 1905, 43, 209-215. In Italian: *R. C. Accad. Lincei*, 1905, (5), 14, (1), 291-296. [1f: Pp]

2594d. Mosso, A. L'anhydride carbonique comme remède du mal de montagne et pourquoi, dans les ascensions aérostatiques, il doit être respiré avec l'oxygène. *Arch. ital. Biol.*, 1905, 43, 355-366. In Italian: *R. C. Accad. Lincei*, 1905, (5), 14, (1), 308-316. [++ Mc]

2595. Spencer, W. G. The effect produced upon respiration by faradic excitation of the cerebrum in the monkey, dog, cat, and rabbit. *Philos. Trans.*, 1894, B, 185, 609-657, pls. 57-59. [+ 28f-1t: monkey]

2596. Spencer, W. The central nervous mechanism of the respiration. [The Arris and Gale Lectures.] *Lancet*, 1895, (1), 467-471. [++ r: monkey]

See also: 514, 2651, 2718, 2721, 2746, 2837, 2838, 3005, 3188, 3235.

Digestion, Nutrition & Metabolism; Kidney and Water Balance

MOTOR & SECRETORY FUNCTIONS OF ALIMENTARY TRACT

2597. Ferguson, J. H. The central nervous system in relation to the digestive functions. *Proc. Soc. exp. Biol., N. Y.*, 1932, **30**, 328-330. [+++ C-p]

2598. Ferguson, J. H. Effects of vagotomy on the gastric functions of monkeys. *Surg. Gynec. Obstet.*, 1936, **62**, 689-700. [3f-1t-nr: C-p]

2599. Ferguson, J. H., McGavran, Joyce & Smith, Elizabeth R. B. Pilocarpine and gastric acidity in monkeys. *J. Physiol.*, 1934, **82**, 1-10. [5f: Mc Ceb]

2600. Ferguson, J. H. & Smith, Elizabeth R. B. The effects of acetyl- β -methyl choline on the gastric acidity of monkeys. *J. Physiol.*, 1935, **83**, 455-458. [1t: C-p]

2601. Illenden, J., Patterson, T. L., Rubright, L. W. & Scott, R. J. The physiology of the gastric hunger contractions in the Javanese monkey. *Quart. J. exp. Physiol.*, 1934, **24**, 55-68. [4f-r: Mc]

2602. May, W. P. On the movements and innervation of the stomach. *Brit. med. J.*, 1902, (2), 779-781. [+ 38r: monkey]

2603. Patterson, T. L. Tonic automatism in the stomach of the monkey as the determining factor in the type of its muscular response. *Ann. N. Y. Acad. Sci.*, 1930, **32**, 53-86. [14-nr: Mc Pp]

2604. Patterson, T. L. Comparative physiology of the gastric hunger mechanism. *Ann. N. Y. Acad. Sci.*, 1933, **34**, 55-272. [+ 94f-10t-vnr: Mc Pp]

2605. Patterson, T. L., Rubright, L. W. & Gijbers, J. A. The influence of tonal conditions on the muscular response of the monkey's stomach. *Quart. J. exp. Physiol.*, 1934, **24**, 3-21. [7f-nr: Mc Pp]

2606. Schnedorf, J. G. & Ivy, A. C. Failure of histamine and "gastrin" to provoke gastric secretion in monkeys and an acidity. *Proc. Soc. exp. Biol., N. Y.*, 1937, **36**, 192-193. [Mc]

See also: 514, 2296, 2573, 2574, 2620, 3086, 3146, 3147, 3148, 3194, 3197, 3200.

PANCREAS

See also: 2643, 2646, 2691, 2692, 2702.

LIVER & BILE

2607. Maddock, S. & Svedberg, A. The effect of the total removal of the liver of the monkey. *Amer. J. Physiol.*, 1938, **121**, 203-208. [2t-15r: monkey]

2608. Saiki, S. On the liver function of animals fed on vitamin-deficient diets. *Acta Sch. med. Univ. Kioto*, 1929, **12**, 157-175. [+ 3f-8t-8r: monkey]

DIET & DEFICIENCY DISEASES

GENERAL

2609. Howe, P. R. Studies of dental disorders following experimental feeding with monkeys. *J. Amer. dent. Ass.*, 1924, **11**, 1149-1165. [19f: Mc]

2610. Tomlinson, T. H. Oral pathology in monkeys in various experimental dietary deficiencies. *Publ. Hlth. Rep., Wash.*, 1939, **54**, 431-439, 3 pls. [Mc]

2611. Topping, N. H. & Fraser, H. F. Mouth lesions associated with dietary deficiencies in monkeys. *Publ. Hlth. Rep., Wash.*, 1939, **54**, 416-431, 4 pls. [4t-61r: Mc]

See also: 2489, 2608, 2960, 4045, 4046, 4048, 4050, 4060, 4061, 4064, 4065.

VITAMIN A

2611a. Grinker, R. R. & Kandel, Ernestine. Experimental vitamin (A, B₁, B₂, and B complex) deficiency. Histologic changes in the central nervous system. *Arch. Neurol. Psychiat., Chicago*, 1933, **30**, 1287-1297. [+ Mc]

2612. Hetler, R. A. The development of xerophthalmia and the keratinization of epithelial tissue on withdrawal of vitamin A from the diet of the monkey (*Macacus rhesus*), guinea pig, rabbit, and adult albino rat. *J. Nutrit.*, 1934, **8**, 75-103. [++ 4pl-6f-2t-r: Mc]

2613. Tilden, Evelyn B. & Miller, E. G., Jr. The response of the monkey (*Macacus rhesus*) to withdrawal of vitamin A from the diet. *J. Nutrit.*, 1930, **3**, 121-140. [2t-7f-50r: Mc]

2614. Turner, R. G. & Loew, E. R. Effect of vitamin withdrawal on the monkey (*Macacus rhesus*). *J. Nutrit.*, 1932, **5**, 29-34. [++ 4f-17r: Mc]

2615. Verder, Elizabeth, & Petran, Elizabeth. Vitamin A deficiency in rhesus monkey. Studies on the gastro-intestinal tract, the blood and nervous symptoms. *J. infect. Dis.*, 1937, 60, 193-208. [3f-21r: Mc]

See also: 2610, 2611.

VITAMIN B-GROUP

2616. Chick, Harriette & Hume, Eleanor M. The production in monkeys of symptoms closely resembling those of pellagra, by prolonged feeding on a diet of low protein content. *Bio-chem. J.*, 1920, 14, 135-146, pl. 5. [1f-r: Mc]

2617. Day, P. L., Langston, W. C. & Darby, W. J. Failure of nicotinic acid to prevent nutritional cytopenia in the monkey. *Proc. Soc. exp. Biol., N. Y.*, 1938, 38, 860-863. [1t-12r: Mc]

2618. Day, P. L., Langston, W. C. & Shukers, C. F. Leukopenia and anemia in the monkey resulting from vitamin deficiency. *J. Nutrit.*, 1935, 9, 637-644. [r: Mc]

2619. Francis, E. Studies in pellagra: III. Further attempts to transmit pellagra to monkeys. *Bull. U. S. Hyg. Lab.*, 1917, no. 106, 81-123. [11t: Mc Pp]

2620. Johnstone, H. G. & Reed, A. C. Studies on vitamin-G deficiency in monkeys. *Amer. J. trop. Med.*, 1937, 17, 619-633. [7t-5r: Mc]

2621. Langston, W. C., Darby, W. J., Shukers, C. F. & Day, P. L. Nutritional cytopenia (vitamin M deficiency) in the monkey. *J. exp. Med.*, 1938, 68, 923-940, pl. 50. [5f-1t-33r: Mc]

2622. Lavinder, C. H., Francis, E., Grimm, R. M. & Lorenz, W. F. Attempts to transmit pellagra to monkeys. *J. Amer. med. Ass.*, 1914, 63, 1093-1094. [++ 4r: Mc Pp]

2623. McCarrison, R. The pathogenesis of deficiency disease. No. VII. The effects of auto-claved rice dietaries on the gastro-intestinal tract of monkeys. *Indian J. med. Res.*, 1919, 7, 283-307, pls. 33-41. [1f-1t-6r: Mc]

2624. McCarrison, R. The pathogenesis of deficiency disease. No. VIII. The general effects of deficient dietaries on monkeys. *Indian J. med. Res.*, 1919, 7, 308-341, pls. 42-49. [1f-4t-11r: Mc]

2625. McCarrison, Robert. *Studies in deficiency disease*. London: Henry Frowde and Howder & Stoughton, 1921, xvi, 270 pp. [++ 82f-16t: Mc]

2626. Shiga, K. & Kusama, S. Über die kakke-(beriberi)-ähnliche Krankheit der Tiere. (Studien über das Wesen der Kakke.) *Arch. Schiffs- u. Tropenhyg.*, 1911, 15, Bei. 3, 1-40, 1 pl. [++ 9t-26r: Mc]

2627. Wechsler, I. S., Jervis, G. A. & Potts, Helen D. Experimental study of alcoholism and vitamin B deficiency in monkeys. *Bull. neurol. Inst. N. Y.*, 1936, 5, 453-475. [4f-9t-40r: Mc]

2628. Wills, Lucy & Bilimoria, H. S. Studies in pernicious anaemia of pregnancy. Part V. Production of a macrocytic anaemia in monkeys by deficient feeding. *Ind. J. med. Res.*, 1932, 20, 391-402, pls. 10-11. [5f-2t-7r: Mc]

2628a. Wills, Lucy, Clutterbuck, P. W. & Evans, Barbara D. F. A new factor in the production and cure of certain macrocytic anaemias. *Lancet*, 1937, (1), 311-314. [++ 6f-13r: monkey]

2629. Wills, Lucy & Stewart, Alice. Experimental anemia in monkeys, with special reference to macrocytic nutritional anaemia. *Brit. J. exp. Path.*, 1935, 16, 444-453, 2 pls. [1f-6t-11r: Mc]

2630. Wright, H. Beri-beri in monkeys. *Brain*, 1903, 26, 488-513, 1 pl. [2f: Mc]

See also: 2610, 2611.

VITAMIN C

2631. Harden, A. & Zilva, S. S. Experimental scurvy in monkeys. *J. Path. Bact.*, 1919, 22, 246-251. [7r: Mc]

2632. Harden, A. & Zilva, S. S. The antiscorbutic requirements of the monkey. *Bio-chem. J.*, 1920, 14, 131-134. [Mc]

2633. Hart, K. Über die experimentelle Erzeugung der Möller-Barlowschen Krankheit und ihre endgültige Identifizierung mit dem klassischen Skorbut. *Virch. Arch.*, 1912, 208, 367-396, pl. 7. [+++ Mc]

2634. Howitt, Beatrice F. Spontaneous scurvy in monkeys. *Arch. Path.*, 1931, 11, 574-583. [1f-3t: Mc]

2635. Jungeblut, C. W. & Feiner, Rose R. Vitamin C content of monkey tissues in experimental poliomyelitis. *J. exp. Med.*, 1937, 66, 479-491. [2f-2t-12r: Mc]

2635a. Miura, M. & Okabe, N. On the antiscorbutic factor in commercially sterilized milk and Japanese green tea. An experiment upon monkey. *Sci. Papers Inst. phys. chem. Res. Tokyo*, 1933, 20, 145-161, pls. 11-13. [1f: Mc]

See also: 2610, 2611.

VITAMIN D

2636. Cowdry, E. V. & Scott, G. H. Effect on monkeys of small doses of a concentrated preparation of viosterol. *Arch. Path.*, 1936, 22, 1-23. [5f-3t-nr: Mc Ceb]

2637. Hess, A. F. & Lewis, J. M. Clinical experience with irradiated ergosterol. *J. Amer. med. Ass.*, 1928, 91, 783-788. [+ 3f-2t-r: monkey]

2638. Hess, A. F., Weinstock, M. & Rivkin, H. Effect of thyroparathyroidectomy on the action of irradiated ergosterol. *Proc. Soc. exp. Biol., N. Y.*, 1929, 26, 555-556. [+ 3r: monkey]

2639. **Levaditi, C. & Li, Y. P.** Étude expérimentale de l'ergostérol irradié. *Pr. méd.*, 1930, 38, 168-172. [++ 15f-4t: C-p Mc]

See also: 2610, 2611.

METABOLISM

GENERAL

2640. **Power, F. W.** Detoxication of phenylacetic acid by the chimpanzee. *Proc. Soc. exp. Biol.*, N. Y., 1936, 33, 598-600. [1t: Pn]

2641. **Sherwin, C. P.** Comparative metabolism of certain aromatic acids. *J. biol. Chem.*, 1917, 31, 307-310. [+++ 10r: Mc]

2641a. **Sherwin, C. P.** Metabolism of p-hydroxybenzoic acid and p-hydroxyphenylacetic acid in the monkey. *Proc. Soc. exp. Biol.*, N. Y., 1918, 16, 5-6. [monkey]

CARBOHYDRATE METABOLISM

2642. **Baer, J.** Untersuchungen über Acidose II. Ueber das Verhalten verschiedener Säugetierklassen bei Kohlenhydratentziehung. *Arch. exp. Path. Pharmak.*, 1906, 54, 153-167. [+ 10t: Affe]

2643. **Botschkareff, P. W.** (Die ersten versuche mit Gaswechselfbestimmung bei Affen.) *Arkhh. biol. Nauk*,* 1933, 33, 249-254. [4t-Russ. with Gr. abstr.: Mndr]

2644. **Botschkareff, P. W., Mikeladse, S. M. & Nikolaewa, O. I.** (Untersuchungen über alimentäre Hyperglykämie bei Affen.) *Arkhh. biol. Nauk*,* 1933, 33, 237-240. [1f-2t-Russ. with Gr. abstr.: Pp]

2645. **Botschkareff, P. W. & Nikolaewa, O. I.** (Ueber die normale Glykämie bei Makaken.) *Arkhh. biol. Nauk*,* 1933, 33, 235-236. [1t-Russ. with Gr. abstr.: Mc]

2646. **Nelson, W. O. & Overholser, M. D.** The effect of oestrogenic hormone on experimental pancreatic diabetes in the monkey. *Endocrinology*, 1936, 20, 473-480. [2f-20r: Mc]

2647. **Somogyi, M.** The distribution of sugar and rate of glycolysis in the blood of some mammals. *J. biol. Chem.*, 1933, 103, 665-670. [+ 3t: Mc]

2648. **Tavastyerna, N.** (Blutzucker- und Cholesterin bei Affen während der Einführung von synthetischen sexualhormone.) *Arch. biol. Nauk*,* 1935, 40, (2), 137-140. [3f-1t-Russ. with Gr. abstr.: Affe]

See also: 2607, 2681a, 2682a, 2691, 2692, 2699, 2701, 2702, 3193, 3198a.

FAT METABOLISM

2649. **Friedemann, T. E.** The starvation ketosis of a monkey. *Proc. Soc. exp. Biol.*, N. Y., 1926, 24, 223-226. [2t: Ceb]

2649a. **Friedemann, T. E.** Starvation ketosis of the primates. *Science*, 1928, n.s., 67, 221-222. [Mc Cyn-p Pp Ceb Lm]

2650. **Friedemann, T. E.** The fasting ketosis of monkeys. I. *J. biol. Chem.*, 1934, 105, 335-342. [4t-12r: Mc Cyn-p Mndr]

2651. **Goldfarb, W.** A study of ketosis in primates. *J. biol. Chem.*, 1936, 116, 787-791. [2t-r: C-p Mc Pp]

2652. **Tavastyerna, N.** (Ueber die Hypercholesterinaemie bei Affen.) *Arkhh. biol. Nauk*,* 1935, 40, (2), 155-158. [2f-1t-2r-Russ. with Gr. abstr.: Mc]

See also: 2607, 2642, 2648, 2967aa, 3198a.

NITROGENOUS METABOLISM

2653. **Hunter, A.** The metabolism of endogenous and exogenous purines in the monkey. Third paper. The purines of monkey urine. *J. biol. Chem.*, 1914, 18, 107-114. [t: C-p Mc Ceb]

2654. **Hunter, A. & Givens, M. H.** The metabolism of endogenous and exogenous purines in the monkey. *J. biol. Chem.*, 1912-13, 13, 371-388. [4t-nr: C-p]

2655. **Hunter, A. & Givens, M. H.** The metabolism of endogenous and exogenous purines in the monkey. (Second paper.) *J. biol. Chem.*, 1914, 17, 37-53. [3t: C-p]

2656. **Hunter, A. & Givens, M. H.** The nitrogen excretion of the monkey. *J. biol. Chem.*, 1914, 17, 55-59. [3t: C-p]

2657. **Hunter, A. & Ward, F. W.** Comparative studies of purine metabolism in various representative mammals. *Proc. roy. Soc. Can.*, 1919, (3), 13, sect. 5, 7-11. [+ 2t: Pn Ceb]

2658. **Rheinberger, Margaret B.** The nitrogen partition in the urine of various primates. *J. biol. Chem.*, 1936, 115, 343-360. [1f-6t-94r: Pn Png Hyl C-p C-c Mc Pp Ceb Atl]

2659. **Rheinberger, Margaret B.** *A comparative study of the nitrogen excretory products of the urine of various primates.* Ph.D. Diss., Yale University, 1935, vi, 82 pp. + append. & bibliog.

2660. **Wells, H. G.** The purine metabolism of the monkey. *J. biol. Chem.*, 1909-10, 7, 171-183. [32r: Mc Ceb]

2661. **Wells, H. G. & Caldwell, G. T.** The purine enzymes of the orang-utan (*Simia satyrus*) and chimpanzee (*Anthropopithecus troglodytes*). *J. biol. Chem.*, 1914, 18, 157-165. [Pn Png]

2662. Wells, H. G. & Caldwell, G. T. The purine enzymes of the anthropoids and marsupials. *Proc. Soc. exp. Biol., N. Y.*, 1914, 11, 153-154. [++ Pn Png]

2663. Wiechowski, W. Die Bedeutung des Allantoin im Harnsäurestoffwechsel. *Beitr. chem. Physiol. Path.*, 1908, 11, 109-131. [+ 12t: Affe]

2664. Wiechowski, W. Ein Beitrag zur Kenntnis des Purinstoffwechsels der Affen. *Prag. med. Wschr.*, 1912, 37, 275-276.

[1t: Pn C-p Mc Pp]

See also: 2607, 2967a, 2967b, 2982, 4012.

MINERAL METABOLISM

2665. Baumann, L. & Oviatt, E. The mineral excretion of the monkey. *J. biol. Chem.*, 1915, 22, 43-47. [2t: Mc]

2666. Botschkareff, P. W. & Korotkova, N. P. (Untersuchungen über den Stickstoff- und Mineralaustausch bei Affen.) *Ark. biol. Nauk*,* 1933, 33, 255-261.

[++ 7t-Russ. with Gr. abstr.: Pp]

See also: 2636, 2639.

KIDNEY & WATER BALANCE

2666a. Smith, H. W. & Clarke, R. W. The excretion of inulin and creatinine by the anthropoid apes and other infrahuman primates. *Amer. J. Physiol.*, 1938, 122, 132-139.

[3t-19r: Pn Png Hyl Pp]

See also: 2579, 2642, 2648, 2649, 2650, 2651, 2683, 2684, 2705, 2759, 2774, 2834, 3193, 3193a, 3195.

Endocrine Glands

THYROID GLAND

2667. Burford, T. H., Allen, E. & Diddle, A. W. Effect of total thyroidectomy upon experimentally induced menstruation in mature ovariectomized monkeys. *Endocrinology*, 1936, 20, 635-638. [2t-9r: Mc]

2668. Cunningham, R. H. Experimental thyroidism. *J. exp. Med.*, 1898, 3, 147-243, pls. 14-18. [+ Mc]

2669. Edmunds, W. Effects of thyroid feeding on monkeys. *Proc. roy. Soc.*, 1899, 65, 368-369. *J. Physiol.*, 1895, 18, xxix-xxxii. [monkey]

2670. Horsley, V. The Brown Lectures on pathology. [The thyroid gland, etc.] *Brit. med. J.*, 1885, (1), 111-115. [++ 6f-1t: monkey]

2671. Horsley, V. On the function of the thyroid gland. (Preliminary communication.) *Proc. roy. Soc.*, 1884-85, 38, 5-7. [1t: monkey]

2672. Horsley, V. Further researches into the function of the thyroid gland and into the pathological state produced by removal of the same. *Proc. roy. Soc.*, 1886, 40, 6-9. [monkey]

2673. Kishi, K. Beiträge zur Physiologie der Schilddrüse. *Virchows Arch.*, 1904, 176, 260-313. [++ 2f-5t-nr: Affe]

2674. Langhans, T. Ueber Veränderungen in den peripherischen Nerven bei Kachexia thyreopriva des Menschen und Affen, sowie bei Kretinismus. *Virchows Arch.*, 1892, 128, 318-367, 369-408, pls. 10-12. [++ 27f-nr: Affe]

2675. Munk, H. Weitere Untersuchungen über die Schilddrüse. *S. B. preuss. Akad. Wiss.*, 1888, (2), 1059-1093. [+ Affe]

2676. Murray, G. R. On thyroid secretion. *Brit. med. J.*, 1893, (2), 677-678. [+++ 2f: Mc]

2677. Vincent, S. & Jolly, W. A. Some observations upon the functions of the thyroid and parathyroid glands. *J. Physiol.*, 1904, 32, 65-86. [4f: monkey]

2678. Vincent, S. & Jolly, W. A. Further observations upon the functions of the thyroid and parathyroid glands. *J. Physiol.*, 1906, 34, 295-305. [+ C-p Mc]

See also: 2636, 2638, 2681.

PARATHYROID GLAND

2679. Capobianco, F. & Mazziotti, L. Su gli effetti della paratiroidectomia. *G. int. Sci. Med.*, 1899, 21, 337-364. [+ 14f-t: scimmia]

2680. Paton, D. N. & Findlay, L. The parathyroids:—Tetania parathyreopriva: its nature, cause, and relations to idiopathic tetany. Part 1.: Introduction, general methods, and symptoms. *Quart. J. exp. Physiol.*, 1916, 10, 293-231. [+ 6f-68r: Mc]

2681. Pineles, F. Über die Funktion der Epithelkörperchen. (I. Mitteilung.) *S. B. Akad. Wiss. Wien, Abt. 3*, 1904, 113, 199-238. [++ r: Mc Pp]

See also: 2638, 2671, 2672, 2675, 2677, 2678.

THYMUS

See also: 2668, 2833.

ADRENAL GLAND

2681a. Britton, S. W., Silvette, H. & Kline, R. F. Adrenal insufficiency in American monkeys. *Amer. J. Physiol.*, 1938, 123, 705-711. [1f-1t-r: Aot Ceb Oed-m]

2681b. Harrop, G. A., Jr. & Weinstein, A. Studies on the suprarenal cortex. I. Cortical suprarenal insufficiency and the action of the cortical hormone upon the normal and suprarenalectomized dog. *J. exp. Med.*, 1933, 57, 305-333. [+ 4f-12t-12r: Mc]

2681c. Hartman, F. A. & Winter, C. A. Irreversibility in adrenal insufficiency. *Endocrinology*, 1933, 17, 180-186. [+ 5r: Mc]

2682. Howard, Evelyn. The X zone of the suprarenal cortex in relation to gonadal maturation in monkeys and mice and to epiphyseal unions in monkeys. *Anat. Rec.*, 1930, 46, 93-104. [++ 1t: Ceb Atl]

2682a. Kahn, R. H. Weiter Studien über die Nebennieren. *Pflüg. Arch. ges. Physiol.*, 1912, 146, 578-604. [++ 7f: Mc]

2682b. Long, C. N. H. & Zuckerman, S. Relation of the adrenal cortex to cyclical changes in the female accessory reproductive organs. *Nature, Lond.*, 1937, 139, 1106-1107. [+++ 8r: Mc Pp]

2682c. Stewart, G. N. & Rogoff, J. M. Further observations showing that epinephrin from the adrenals is not indispensable. *Amer. J. Physiol.*, 1919, 48, 397-410. [+ 9f-3t: Mc]

See also: 2584, 2793, 2817.

ADRENALINE

See also: 2581, 2589, 2682c, 2859, 3001, 3254, 3271.

PITUITARY GLAND:

PARS INTERMEDIA & POSTERIOR

2682d. Hartman, C. G. & Geiling, E. M. K. Tolerance of the rhesus monkey to pituitrin injections and absence of uterine bleeding following injection. *Proc. Soc. exp. Biol., N. Y.*, 1936, 35, 383-385. [Mc]

2683. Mahoney, W. & Sheehan, D. The pituitary-hypothalamic mechanism: experimental occlusion of the pituitary stalk. *Brain*, 1936, 59, 61-75. [++ 6f-31r: Mc]

2684. White, H. L. & Heinbecker, P. Pituitary regulation of water exchange in the dog and monkey. *Amer. J. Physiol.*, 1937, 118, 276-285. [+ 1f: monkey]

See also: 2600, 2859, 3001, 3193a, 3195, 3196a.

PITUITARY GLAND:

PARS ANTERIOR

2685. Allen, E. Precocious sexual development from anterior hypophysis implants in a monkey. *Anat. Rec.*, 1928, 39, 315-323. [1pl-1t-10r: Mc]

2686. Courrier, R., Kehl, R. & Raynaud, R. Action des extraits hypophysaire et folliculaire chez la guenon impubère. *C. R. Soc. Biol., Paris*, 1929, 101, 1093-1095. [Mc]

2687. Ehrhardt, K., Wiesbader, H. & Focsaneanu, L. Hypophysenvorderlappen-Implantationen bei Rhesusaffen. *Endokrinologie*, 1929, 3, 401-405. [3f: Mc]

2688. Engle, E. T. Luteinization of the ovary of the monkey by means of combined use of anterior pituitary extract and an extract of pregnancy urine. *Endocrinology*, 1934, 18, 513-520. [4f: Mc]

2689. Firor, W. M. Hypophysectomy in the monkey (*Macacus rhesus*). *Johns Hopk. Hosp. Bull.*, 1932, 50, 33-37. [1pl: Mc]

2690. Hartman, C. G. Anterior lobe of the pig and the monkey ovary. *Proc. Soc. exp. Biol., N. Y.*, 1930, 27, 338-340. [+++ Mc]

2691. Hartman, C. G., Firor, W. M. & Geiling, E. M. K. Menstruation and the anterior pituitary. *Proc. Soc. exp. Biol., N. Y.*, 1930, 28, 185-187. [Mc]

2692. Hartman, C. G., Firor, W. M. & Geiling, E. M. K. The anterior lobe and menstruation. *Amer. J. Physiol.*, 1930, 95, 662-669. [+++ 1t-r: Mc]

2692a. Hartman, C. G. & Smith, C. Non-effect of irradiation of the hypophysis in sterile monkey females. *Proc. Soc. exp. Biol., N. Y.*, 1938, 39, 330-332. [1t: Mc]

2693. Hartman, C. G. & Squier, R. R. The follicle-stimulating effect of pig anterior lobe on the monkey ovary. *Anat. Rec.*, 1931, 50, 267-273. [+++ 1pl-2f: Mc]

2694. Hisaw, F. L., Fevold, H. L. & Leonard, S. L. Effects of hypophyseal extracts on sexually immature monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1931, 29, 204-206. [Mc]

2695. Hisaw, F. L., Hertz, R. & Fevold, H. L. Experimental production of ovarian refractoriness to anterior hypophyseal stimulation in the monkey. *Endocrinology*, 1936, 20, 40-46. [3f-14r: Mc]

2696. Hisaw, F. L., Hertz, R., Hellbaum, A. & Fevold, H. L. Luteinization of the ovary of the sexually immature monkey. *Proc. Soc. exp. Biol., N. Y.*, 1932, 30, 39. [Mc]

2697. Riddle, O., Bates, R. W. & Dykshorn, S. W. The preparation, identification and assay of prolactin—a hormone of the anterior pituitary. *Amer. J. Physiol.*, 1933, 105, 191-216. [+ 3f-6t-r: monkey]

2698. Saki, S. Relation of the hypophysis and ovaries to experimentally-induced bleeding in monkeys. *Amer. J. Physiol.*, 1932, 100, 8-20. [8f: Mc]

2699. Scott, Aleita H. Effect of hypophysectomy on blood lactic acid of rhesus monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1937, 36, 540-542. [1f-2t: Mc]

2700. Smith, P. E. Comparative effects of hypophysectomy and therapy on the testes of monkeys and rats. In: *Les hormones sexuelles*. L. Brouha, ed. Paris: Hermann & cie., 1938, pp. 200-216, pl. 2. [++ 1 pl: Mc]

2701. Smith, P. E., Dotti, L., Tyndale, H. H. & Engle, E. T. Effect of hypophysectomy on blood sugar of rhesus monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 247-249. [1f-2t: Mc]

2702. Smith, P. E., Tyndale, H. H., Dotti, L. & Engle, E. T. Response of normal and hypophysectomized rhesus monkeys to insulin. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 250-251. [1t: Mc]

2703. Smith, P. E., Tyndale, H. H. & Engle, E. T. The reproductive system and its responses to ovarian hormones in hypophysectomized rhesus monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 245-247. [1f: Mc]

See also: 2646, 2708, 2710, 2715, 2737, 2803, 2804, 2828, 2849, 2899, 2900.

SERUM & URINE GONADOTROPHIC SUBSTANCES

2704. Aberle, S. B. D. & Jenkins, R. H. Undescended testes in man and rhesus monkeys treated with anterior pituitary-like principle from the urine of pregnancy. *J. Amer. med. Ass.*, 1934, 103, 314-318. [+ 2f-1t: Mc]

2705. Allen, E., Maddux, W. P. & Kennedy, J. W. Ovarian and anterior pituitary hormones from the pregnant monkey. *Proc. Soc. exp. Biol., N. Y.*, 1931, 28, 403-404. [Mc]

2706. Courrier, R. & Gros, G. Action des substances urinaires gonadotropes chez la femelle impubère du singe. *C. R. Soc. Biol., Paris*, 1934, 116, 1392-1395, 1 pl. [Mc]

2707. Courrier, R. & Gros, G. Action des substances urinaires gonadotropes chez le singe mâle impubère. Etude cytologique de la réaction diastématique. *C. R. Soc. Biol., Paris*, 1934, 116, 1396-1398. [Mc]

2708. Engle, E. T. Uterine bleeding of the interval type in *Macacus* monkey during injections of extracts of pregnancy urine. *Proc. Soc. exp. Biol., N. Y.*, 1932, 29, 1224-1225. [Mc]

2709. Engle, E. T. Biological differences in response of female *Macacus* monkey to extracts of anterior pituitary and of human pregnancy urine. *Amer. J. Physiol.*, 1933, 106, 145-155. Abstr.: *Proc. Soc. exp. Biol., N. Y.*, 1933, 30, 530-532. [ôf: Mc]

2710. Engle, E. T. The effect of intravenous administration of the pregnancy urine factor on the ovaries of rhesus monkeys. *Amer. J. Physiol.*, 1934, 108, 528-534. [If: Mc]

2711. Engle, E. T. & Hamburger, C. Action of gonadotropic hormone from pregnant mare's serum on ovaries of rhesus monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1935, 32, 1531-1533. [It-7r: Mc]

2712. Ito, M., Hajazu, S. & Ueno, F. Der Einfluss des von aus dem Harn von Schwangeren hergestellten gonadotropen Hormons auf die Sexualorgane der jüngeren Hündinnen und Affen. *Endokrinologie*, 1935, 16, 311-313. [++ Affe]

2713. Johnson, C. E. Ovarian response in monkeys (*Macacus rhesus*) to injections of antuitrin-S. *Amer. J. Obstet. Gynaec.*, 1935, 29, 120-122. [Mc]

2714. Meyer, R. K. & Gustus, E. L. Refractoriness to ovarian stimulation in the rhesus monkey. *Science*, 1935, 81, 208-210. [Mc]

2715. Novak, J. & Kun, H. Über tierexperimentelle Untersuchungen mit "Hypophysenvorderlappenhormon" aus Schwangeren Harn und mit Hypophysenvorderlappensubstanz. *Wien. Arch. inn. Med.*, 1931, 21, 359-368. [++ Mc]

See also: 2688, 2737, 2752, 2803, 2828, 2829, 2849, 2913, 2928, 2937.

Animal Heat

BASAL METABOLISM & CALORIMETRY

2717. Benedict, F. G. & Bruhn, J. M. Chimpanzee metabolism. *Proc. nat. Acad. Sci., Wash.*, 1936, 22, 394-397. [Pn]

2718. Bruhn, J. M. The respiratory metabolism of infrahuman primates. *Amer. J. Physiol.*, 1934, 110, 477-484. [2t-10r: Pn Png Hyl C-c Mc Pp]

2719. Bruhn, J. M. & Benedict, F. G. The respiratory metabolism of the chimpanzee. *Proc. Amer. Acad. Arts Sci.*, 1936, 71, 259-326. [6f-11t-nr: Pn]

2720. Lee, M. O. & Fox, E. L. Surface area in a monkey, *Macacus rhesus*. *Amer. J. Physiol.*, 1933, 106, 91-94. [1t: Mc]

2721. Rakietyen, N. The basal heat production of the rhesus monkey (*Macaca mulatta*). *J. Nutrit.*, 1935, 10, 357-362. [2t-r: Mc]

2722. Rakietyen, N. Changes in heat production after removal of motor and premotor areas in monkeys. *Amer. J. Physiol.*, 1936, 114, 661-666. [5t-22r: Mc Ceb]

See also: 2643, 2651.

BODY TEMPERATURE & ITS REGULATION

2723. Aron, H. Investigation on the action of the tropical sun on men and animals. *Philipp. J. Sci.*, 1911, 6, B, 101-131, 2 pls. [++ 12f-9t]

2724. Heymans, C. & Regniers, P. Hyperthermie chez le singe par injection intraveineuse de bleu de méthylène. *C. R. Soc. Biol., Paris*, 1926, 95, 1117-1118. [singe]

2725. Lefèvre. Sur la résistance à l'action du froid chez le singe. *C. R. Soc. Biol., Paris*, 1894, 46, 697-699. [4t: Mc]

2726. Lefèvre. De la puissance et de la résistance thermogénétiques du singe, comparées à celles de l'homme. *C. R. Soc. Biol., Paris*, 1894, 46, 724-726. [++ 2t: singe]

2727. Leger, M. Insolation mortelle chez le chimpanzé et altérations morphologiques de son sang. *C. R. Soc. Biol., Paris*, 1922, 87, 874-876. [1t: Pn]

2728. Shaklee, A. O. Experimental acclimatization to the tropical sun. *Philipp. J. Sci.*, 1917, 12, B, 1-22. [+++ 9t: Mc]

2729. Simpson, S. & Galbraith, J. J. Observations on the normal temperature of the monkey and its diurnal variation, and on the effect of changes in the daily routine on this variation. *Trans. roy. Soc. Edinb.*, 1906, 45, 65-104, 1 pl. [16f-45t-nr: Mc]

2730. White, W. H. A theory to explain the evolution of warm-blooded vertebrates. *J. Anat., Lond.*, 1891, 25, 374-385. [+ Mc]

See also: 2589 2912, 3144, 3198, 3199.

Reproduction & Development

GENERAL

2731. Allen, Edgar, ed. *Sex and internal secretions. A survey of recent research.* Baltimore: Williams & Wilkins co., 1932, xxii, 951 pp. [+ vnr]

2732. Marshall, Francis H. A. *The physiology of reproduction.* London: Longmans, Green & co. 1910, 706 pp. [+ 154f]

MALE REPRODUCTIVE ORGANS

2733. Aykroyd, Olive E. & Zuckerman, S. The effect of sex-hormones on the bulbo-urethral glands of rhesus monkeys. *J. Anat., Lond.*, 1938, 73, 135-144, 2 pls. [8t: Mc]

2734. Courrier, R. & Gros, G. Action de la folliculine chez le singe mâle impubère. Apparition d'une peau sexuelle. *C. R. Soc. Biol., Paris*, 1935, 118, 683-686. [2f: singe]

2735. Courrier, R. & Gros, G. Action de la folliculine chez le singe mâle impubère. Modifications des annexes. *C. R. Soc. Biol., Paris*, 1935, 118, 686-689. [singe]

2736. Dohrn, M., Hohlweg, W. & Schoeller, W. Die Erzeugung von weiblichen Sexualödemen beim Pavianmännchen durch Follikelhormon. *Arch. exp. Path. Pharmak.*, 1933, 172, 261-266. [6f: Pp]

2737. Engle, E. T. Experimentally induced descent of the testis in the macacus monkey by hormones from the anterior pituitary and pregnancy urine. The role of the gonadokinetic hormones in pregnancy blood in the normal descent of the testes in man. *Endocrinology*, 1932, 16, 513-520. [+ 3f: Mc]

2738. v. Euler, U. S. A depressor substance in the vesicular gland. *J. Physiol.*, 1935, 84, P21-P22. [++ 1f: Mc]

2739. Parkes, A. S. & Zuckerman, S. Experimental hyperplasia of the prostate. *Lancet*, 1935, (1), 925-928. [+++ 3f-2t-22r: Mc Pp]

2739a. Schönbauer, L. & Hogenauer, F. Klinische und experimentelle Beiträge zur Frage der Hodentransplantation. *Arch. klin. Chir.*, 1928, 150, 333-345. [++ 7f: C-p Mc]

2739b. Thorek, M. Experimental investigations of the role of the Leydig, seminiferous and Sertoli cells and effects of testicular transplantation. *Endocrinology*, 1924, 8, 61-90. [++ 19f-2t-14r: Mc Pp]

2740. van Wagenen, G. The effects of oestrin on the urogenital tract of the male monkey. *Anat. Rec.*, 1935, 63, 387-403. Also: *Science*, 1935, n.s., 81, 366. [3pl-3f: Mc]

2741. van Wagenen, G. The coagulating function of the cranial lobe of the prostate gland in the monkey. *Anat. Rec.*, 1936, 66, 411-421. [5f-r: Mc]

2742. Zuckerman, S. The effects of prolonged oestrogenic stimulation on the prostate of the rhesus monkey. *J. Anat., Lond.*, 1938, 72, 264-276, 2 pls. [8f-2t-20r: Mc]

2743. Zuckerman, S. & Parkes, A. S. The effects of oestrone on the prostate and uterus masculinus of various species of primate. *J. Anat., Lond.*, 1936, 70, 323-330, 2 pls. [Prsb C-p Mc Ceb Hap]

2744. Zuckerman, S. & Parkes, A. S. Effect of sex hormones on the prostate of monkeys. *Lancet*, 1936, (1), 242-247. [4f-3t-25r: Mc]

See also: 696, 697, 2648, 2700, 2704, 2707, 2715, 2747, 2749, 2750, 2877, 2880, 2901, 3198a.

MALE SEX HORMONES

2745. Dorfman, R. I. & van Wagenen, G. Excretion of sex hormones in urine of adult male monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1938, 39, 35-36. [1t: Mc]

2746. Hamilton, J. B. Changes in nasal mucosa of monkeys (*Macaca rhesi*) and humans by male hormone substances. *Proc. Soc. exp. Biol., N. Y.*, 1937, 37, 366-369. [++ Mc]

2746a. Hamilton, J. B. Induction of penile erection by male hormone substances. *Endocrinology*, 1937, 21, 744-749. [+ 5f-22r: Mc]

2747. Hamilton, J. B. The effect of male hormone upon the descent of the testes. *Anat. Rec.*, 1938, 70, 533-541. [+++ 1pl-22r: Mc]

2748. Hartman, C. G. Menstruation inhibiting action of testosterone. *Proc. Soc. exp. Biol., N. Y.*, 1937, 37, 87-89. [Mc]

2749. Zuckerman, S. The effect of testosterone propionate on testicular function in monkeys. *Lancet*, 1938, (1), 1162. [Prsb Mc Mndr]

2750. Zuckerman, S. & Parkes, A. S. The effects of male hormone on a mature castrated rhesus monkey. *J. Anat., Lond.*, 1938, 72, 277-279, 2 pls. [6r: Mc]

See also: 2733, 2744.

GENERAL BIOLOGY OF THE OESTROUS CYCLE

2751. Blotvogel, W. Ein überzähliges Ovarium beim Pavian. Zugleich ein Beitrag zur Kenntnis des östrischen Zyklus dieser Tiere. *Zbl. Gynäk.*, 1932, 56, (1), 258-267. [5f-r: C-c Pp]

2752. Botschkareff, P. (Ein Beitrag zur Kenntnis der Physiologie des weiblichen Geschlechtsapparates bei Affen.) *Arch. biol. Nauk*,* 1933, 33, 263-269. [1f-2i-Russ. with Gr. abstr.: Pp]
2753. Corner, G. W. Ovulation and menstruation in *Macacus rhesus*. *Contr. Embryol. Carneg. Instn.*, 1923, 15, 73-101, 6 pls. [2f-i-r: Mc]
2754. Corner, G. W. The relation between menstruation and ovulation in the monkey. Its possible significance for man. *J. Amer. med. Ass.*, 1927, 89, 1838-1840. [2f: Mc]
2755. Corner, G. W. The menstrual cycle of the Malayan monkey, *Macaca irus*. *Anat. Rec.*, 1932, 52, 401-410. [3f-1i-10r: Mc]
2756. Elder, J. H. & Yerkes, R. M. The sexual cycle of the chimpanzee. *Anat. Rec.*, 1936, 67, 119-143. [6f-2i-nr: Pn]
2757. Gear, J. H. S. The oestrous cycle of the baboon. *S. Afr. J. Sci.*, 1926, 23, 706-712. [Pp]
2758. Goodman, L. & Wislocki, G. B. Cyclical uterine bleeding in a New World monkey (*Ateles geoffroyi*). *Anat. Rec.*, 1935, 61, 379-387. [1pl-3f: Atl]
2759. Guthkelch, A. N. & Zuckerman, S. The red cell count of macaques in relation to the menstrual cycle. *J. Physiol.*, 1937, 91, 269-278. [1f-3i-10r: Mc]
2760. Hartman, C. G. The homology of menstruation. New observations of intermenstrual bleeding in the monkey. *J. Amer. med. Ass.*, 1929, 92, 1992-1995. [+ 1f-24r: Mc]
2761. Hartman, C. G. Reproductive phenomena in the monkey, *Macacus rhesus*. *Amer. J. Obstet. Gynec.*, 1930, 19, 405-410. [1f-r: Mc]
2762. Hartman, C. G. The corpus luteum and the menstrual cycle together with the correlation between menstruation and implantation. *Amer. J. Obstet. Gynec.*, 1930, 19, 511-519. [++ 1f-nr: Prsb Mc Tars]
2763. Hartman, C. G. The phylogeny of menstruation. *J. Amer. med. Ass.*, 1931, 97, 1863-1865. [+ monkey]
2764. Hartman, C. G. Studies in the reproduction of the monkey *Macacus (Pithecus) rhesus*, with special reference to menstruation and pregnancy. *Contr. Embryol. Carneg. Instn.*, 1932, 23, 1-162, 6 pls. [39f-nt-78r: Mc]
- 2764a. Hartman, C. G. Some observations on the bonnet macaque. *J. Mammal.*, 1938, 19, 468-474, 2 pls. [Mc]
2765. Heape, W. The menstruation of *Semnopithecus entellus*. *Proc. roy. Soc.*, 1893, 54, 169-172. [Abstr.: Prsb]
2766. Heape, W. The menstruation of *Semnopithecus entellus*. *Philos. Trans.*, 1894, B, 185, 411-471, pls. 35-41. [87r: Prsb]
2767. Heape, W. The menstruation and ovulation of *Macacus rhesus*. *Proc. roy. Soc.*, 1896, 60, 202-205. [Abstr.: Mc]
2768. Heape, W. The menstruation and ovulation of *Macacus rhesus*, with observations on the changes undergone by the discharged follicle.—Part II. *Philos. Trans.*, 1897, B, 188, 135-166, pls. 1-2. [Prsb Mc]
2769. Heape, W. The menstruation and ovulation of monkeys and the human female. *Trans. obst. Soc. Lond.*, 1898, 40, 161-174. [++ Prsb Mc]
2770. van Herwerden, Maria Anna. *Bijdrage tot de kennis van menstrueelen cyclus en puerperium*. Akad. proefschr. (Geneesk.) Utrecht. Leiden: E. J. Brill, 1905, 189 pp., 3 pls. [++ 5t-vnr: Mc Tars]
2771. van Herwerden, M. *Bijdrage tot de kennis van den menstrueelen cyclus*. *Tijdschr. ned. dierk. Ver.*, 1906, (2), 10, 1-140, pls. 1-2. [++ 2pl-5t-vnr: Mc Tars]
2772. van Herwerden, M. Beitrag zur Kenntnis des menstruellen Zyklus. *Mscr. Geburtsh. Gynäk.*, 1906, 24, 730-748. [+++ r: Prsb Mc Tars]
2773. Joachimovitz, R. Studien zu Menstruation, Ovulation, Aufbau und Pathologie des weiblichen Genitales bei Mensch und Affe (*Pithecus fascicularis mordax*). *Biol. gen.*, 1928, 4, 447-540, pls. 13-22. [+++ 17f-vnr: Mc]
2774. Krohn, P. L. & Zuckerman, S. Water metabolism in relation to the menstrual cycle. *J. Physiol.*, 1937, 88, 369-387. [4f-6t-r: Mc]
2775. Pocock, R. I. Notes upon menstruation, gestation, and parturition of some monkeys that have lived in the Society's gardens. *Proc. zool. Soc. Lond.*, 1906, (2), 558-570. [C-p C-c Mc Pp]
2776. Seguy, J. & Bullier, P. Recherche du cycle menstruel de l'*Hamadryas papion* L. *Arch. Mus. Hist. nat. Paris*, 1935, (6), 12, 309-311. [Pp]
2777. Spiegel, A. Untersuchungen über die Fortpflanzung bei Javamakaken. *Zbl. Gynäk.*, 1931, 55, (2), 1762-1767. Abstr.: *Z. Geburtsh. Gynäk.*, 1931, 100, 171-177. [4f-r: Mc]
2778. Sutton, J. B. Menstruation in monkeys. *Brit. gynaec. J.*, 1886, 2, 285-292. [monkey]
2779. Tinklepaugh, O. L. Sex cycles and other cyclic phenomena in a chimpanzee during adolescence, maturity, and pregnancy. *J. Morph.*, 1933, 54, 521-547. [1pl-4f-43r: Pn]
- 2779a. Westman, A. Studien über den Sexualzyklus bei Makakus-Rhesus-Affen, nebst einigen Bemerkungen über den menstruellen Blutungsmechanismus. *Acta obstet. gynec. scand.*, 1932, 12, 282-328, 8 pls. [vnr: Mc]
2780. Wiesner, B. P. Die Phasen des Sexualzyklus. *Biol. gen.*, 1926, 2, 137-147, pl. 17. [+]
2781. Yerkes, R. M. & Elder, J. H. The sexual and reproductive cycles of chimpanzee. *Proc. nat. Acad. Sci., Wash.*, 1936, 22, 276-283. [1f: Pn]

2782. Yerkes, R. M. & Elder, J. H. Oestrus, receptivity, and mating in chimpanzee. *Comp. Psychol. Monogr.*, 1936, 13, no. 5, 39 pp.

[1pl-1f-6t: Pn]

2783. Zuckerman, S. The menstrual cycle of the primates.—Part I. General nature and homology. *Proc. zool. Soc. Lond.*, 1930, (2), 691-754, 2 pls.

[18f-nr: Gr Pn Png Hyl Prsb
C-p Ery-c C-c Thr-p Pp Mndr Ceb
All Hap]

2784. Zuckerman, S. The menstrual cycle of the primates.—Part IV. Observations on the lactation period. *Proc. zool. Soc. Lond.*, 1931, (1), 593-602, 2 pls.

[r: Prsb Mc Pp]

2785. Zuckerman, S. & Parkes, A. S. The menstrual cycle of the primates.—Part V. The cycle of the baboon. *Proc. zool. Soc. Lond.*, 1932, (1), 139-191, 18 pls.

[14f-r: Pp]

2786. Zuckerman, S. The comparative physiology of the menstrual cycle. *Brit. med. J.*, 1932, (2), 1093-97.

[++ 3lr]

2787. Zuckerman, S. The duration and phases of the menstrual cycle in primates. *Proc. zool. Soc. Lond.*, 1937, A, 107, 315-329.

[3t-50r:
Gr Pn Png Clb C-p C-c Mc Pp]

See also: 198, 365, 715, 746, 2717, 2719, 2824, 2825, 2846, 2857, 2859, 2864, 2865, 2869, 2870, 2872, 2873, 2878, 2887, 2887a, 2888, 2889, 2893, 2894, 2896, 2911, 2915, 2916, 2924, 2928, 2929, 2931, 3533, 3583, 3784a, 4015.

EXPERIMENTAL OESTROUS CYCLE: HORMONAL FACTORS

2788. Allen, E. The menstrual cycle in the monkey; effect of double ovariectomy and injury to large follicles. *Proc. Soc. exp. Biol., N. Y.*, 1926, 23, 434-436.

[1r: monkey]

2789. Allen, E. The menstrual cycle of the monkey, *Macacus rhesus*: Observations on normal animals, the effects of removal of the ovaries and the effects of injections of ovarian and placental extracts into the spayed animals. *Contr. Embryol. Carneg. Instn.*, 1927, 19, 1-44, 13 pls.

[1f-20t-nr: Mc]

2790. Allen, E. Effects of ovariectomy upon menstruation in monkeys. *Amer. J. Physiol.*, 1928, 85, 471-475.

[1t: monkey]

2791. Allen, E. Further experiments with an ovarian hormone in the ovariectomized adult monkey, *Macacus rhesus*, especially the degenerative phase of the experimental menstrual cycle. *Amer. J. Anat.*, 1928, 42, 467-487.

[1pl-2t: Mc]

2792. Allen, E., Diddle, A. W., Burford, T. H. & Gardner, W. U. Ovarian hormone threshold for experimental menstruation in monkeys. *Amer. J. Physiol.*, 1936, 117, 381-392.

[5t-r: Mc]

2793. Allen, E., Worthington, R. V., Diddle, A. W. & Burford, T. H. Experimental menstrua-

tion in the monkey after removal of ovaries and adrenals. *Proc. Soc. exp. Biol., N. Y.*, 1937, 36, 162-163.

[monkey]

2794. Corner, G. W. The nature of the menstrual cycle. *Harvey Lect.*, 1932, 28, 67-89. Also: *Medicine, Baltimore*, 1933, 12, 61-82.

[++ 3f-nr]

2795. Corner, G. W. Influence of the ovarian hormones, oestrin and progesterin, upon the menstrual cycle of the monkey. *Amer. J. Physiol.*, 1935, 113, 238-250.

[Mc]

2795a. Corner, G. W. Quantitative studies of experimental menstruation-like bleeding due to hormone deprivation. *Amer. J. Physiol.*, 1938, 124, 1-12.

[3t: Mc]

2796. Corner, G. W. & Allen, W. M. Inhibition of menstruation by crystalline progesterone. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 723-724.

[4r: Mc]

2797. Courrier, R. Les rapports fonctionnels des hormones ovariennes. In: *Les hormones sexuelles*. L. Brouha, ed. Paris: Hermann & cie., 1938, pp. 39-54.

[+ 3pl-nr: Mc]

2798. Courrier, R. & Gros, G. Étude des rapports fonctionnels entre les hormones ovariennes chez les primates. *C. R. Soc. Biol., Paris*, 1937, 125, 746-748.

[3r: Mc]

2799. Engle, E. T. Problems of experimental menstruation. *Cold Spr. Harb. Symp. quant. Biol.*,* 1937, 5, 111-114.

2800. Engle, E. T., Smith, P. E. & Shelesnyak, M. C. The rôle of estrin and progesterin in experimental menstruation, with especial reference to the complete ovulatory cycle in monkeys and human beings. *Amer. J. Obstet. Gynec.*, 1935, 29, 787-797.

[+++ 2f-nr: ?Mc]

2800a. Gillman, J. Experimental studies on the menstrual cycle of the baboon (*Papio porcarius*). I.—The effect of laparotomy and operative procedures on the menstrual cycle of the baboon. *S. Afr. J. med. Sci.*,* 1937, 2, 156-160.

[1f-1t: Pp]

2800b. Gillman, J. Experimental studies on the menstrual cycle of the baboon (*Papio porcarius*). II.—The effect of oestrone in prepubertal baboons. *S. Afr. J. med. Sci.*,* 1937, 2, 161-166.

[1f: Pp]

2801. Gillman, J. Experimental studies on the menstrual cycle of the baboon (*Papio porcarius*). III. The effect of oestrone on the menstrual cycle. *S. Afr. J. med. Sci.*,* 1938, 3, 66-71.

[1f-1t: Pp]

2802. Halban, J. Ovarium und Menstruation. Eine experimentelle Studie. *S. B. Akad. Wiss. Wien, Abt. 3*, 1901, 110, 71-92.

[+++ nr: Pp]

2803. Hartman, C. G. Some attempts to influence the menstrual cycle in the monkey. *Amer. J. Obstet. Gynec.*, 1934, 27, 564-569.

[Lecture]

2804. Hartman, C. G. & Firor, W. M. Is there a "hormone of menstruation"? *Quart. Rev. Biol.*, 1937, 12, 85-88.

[+++ 20r: monkey]

2804a. Heinrich, Helmut. *Untersuchungen über die cyklischen Veränderungen in Vagina und Cervix bei Affen.* (Macacus breviceaudus). Inaug.-Diss. (Med.) Berlin. Gütersloh: Buchdr. Thiel, 1935, 28 pp. [10f: Mc]

2805. Hisaw, F. L., Greep, R. O. & Fevold, H. L. The effects of oestrin-progestin combinations on the endometrium, vagina and sexual skin of monkeys. *Amer. J. Anat.*, 1937, 61, 483-503. [4pls-8r: Mc]

2806. Maddux, W. P. Experimentally induced intermenstrual bleeding in ovariectomized monkeys. *Proc. Soc. exp. Biol.*, N. Y., 1930, 27, 873-874. [Mc]

2807. Morrell, J. A., Powers, H. H. & Varley, J. R. Preliminary quantitative studies on action of follicular hormone in spayed monkeys. *Proc. Soc. exp. Biol.*, N. Y., 1929, 26, 685-686. [1t: Mc]

2808. Parkes, A. S. & Zuckerman, S. The menstrual cycle of the primates. Part II. Some effects of oestrin on baboons and macaques. *J. Anat.*, Lond., 1931, 65, 272-276, 2 pls. [2t-4r: Mc Pp]

2809. Robertson, D. C., Maddux, W. P. & Allen, E. Ovarian hormone effects in ovariectomized monkeys. *Endocrinology*, 1930, 14, 77-88. [20f-r: monkey]

2810. Smith, P. E. & Engle, E. T. Prevention of experimental uterine bleeding in Macacus monkey by corpus luteum extract (progestin). *Proc. Soc. exp. Biol.*, N. Y., 1932, 29, 1225-1227. [Mc]

2811. van Wagenen, G. & Aberle, S. B. D. Menstruation in *Pithecus (Macacus) rhesus* following bilateral and unilateral ovariectomy performed early in the cycle. *Amer. J. Physiol.*, 1931, 99, 271-278. [++ 1pl-2t: Mc]

2812. Zuckerman, S. The menstrual cycle of the primates. VIII.—The oestrin-withdrawal theory of the menstruation. *Proc. roy. Soc.*, 1935, B, 118, 13-21. [1t-r: C-c Mc]

2813. Zuckerman, S. Inhibition and induction of uterine bleeding by means of oestrone. *Lancet*, 1936, (2), 9-13. [1t-20r: Mc]

2814. Zuckerman, S. The menstrual cycle of the primates. X.—The oestrone threshold of the uterus of the rhesus monkey. *Proc. roy. Soc.*, 1937, B, 123, 441-456. [9t-16t: Mc]

2815. Zuckerman, S. The menstrual cycle of the primates. XI.—The part played by oestrogenic hormone in the menstrual cycle. *Proc. roy. Soc.*, 1937, B, 123, 457-471, pls. 17-18. [4f-5t-25r: Mc]

2816. Zuckerman, S. The menstrual cycle of the primates. XII.—The interaction of ovarian hormones in the cycle. *Proc. roy. Soc.*, 1937, B, 124, 150-162, pls. 7-8. [6f: Mc]

2817. Zuckerman, S. The interaction of ovarian hormones in the menstrual cycle. In: *Les hormones sexuelles.* L. Brouha, ed. Paris: Hermann & cie., 1938, 121-137. [+++ 9t-31r: Mc]

See also: 2635a, 2667, 2682b, 2682d, 2686, 2691, 2692, 2698, 2703, 2706, 2708, 2710, 2715, 2748, 2835, 2836, 2845, 2891, 2892.

EXPERIMENTAL OESTROUS CYCLE: NEURAL FACTORS

2818. Markee, J. E., Davis, J. H. & Hinsey, J. C. Uterine bleeding in spinal monkeys. *Anat. Rec.*, 1936, 64, 231-245. [1f-1t-21r: Mc]

2819. van Wagenen, G. Uterine bleeding of monkeys in relation to neural and vascular processes. I. Spinal transection and menstruation. *Amer. J. Physiol.*, 1933, 105, 473-486. [1pl-1f: C-c Mc]

2820. van Wagenen, G. & Zuckerman, S. Uterine bleeding of monkeys in relation to neural and vascular processes. II. Spinal-cord transection and the oestrin-level. *Amer. J. Physiol.*, 1933, 106, 416-422. [C-c Mc]

2821. Zuckerman, S. Uterine bleeding after neural lesions. In: *Les hormones sexuelles.* L. Brouha, ed. Paris: Hermann & cie., 1938, 299-307. [+++ 11r: Mc]

See also: 2320, 2883, 2895.

OVARY & OVULATION

(incl. periodic fertility)

2822. Allen, E. The time of ovulation in the menstrual cycle of the monkey, *Macacus rhesus*. *Proc. Soc. exp. Biol.*, N. Y., 1926, 23, 381-383. [Mc]

2823. Ball, Josephine & Hartman, C. G. A case of delayed ovulation after estrin administration in the intact monkey. *Proc. Soc. exp. Biol.*, N. Y., 1939, 40, 629-631. [1f-4r: monkey]

2823a. Blotvogel, W. Die Follikelatresie bei Maus und Affe. Ein Beitrag zum Konstitutionproblem. *Anat. Anz.*, 1932, 75, ErgH., 122-128. [++ 2f: Pn Pp]

2824. Elder, J. H. The time of ovulation in chimpanzees. *Yale J. Biol. Med.*, 1938, 10, 347-364. [3f-1t-41r: Pn]

2825. Finch, G., Yerkes, R. M. & Elder, J. H. Bodily electrical potential changes associated with ovulation and early pregnancy in the chimpanzee. *Proc. Soc. exp. Biol.*, N. Y., 1937, 37, 560-563. [2f: Pn]

2826. Hartman, C. G. A readily detectable sign of ovulation in the monkey. *Science*, 1928, n.s., 68, 452-453. [monkey]

2827. Hartman, C. G. Pelvic (rectal) palpation of the female monkey, with special reference to the ascertainment of ovulation time. *Amer. J. Obstet. Gynec.*, 1933, 26, 600-608. [++ 5f-7r: Mc]

2827a. Hartman, Carl G. *The time of ovulation in women.* Baltimore: Williams & Wilkins, 1936, 226 pp. [+ 72f: Mc]

2828. Hartman, C. G. Menstruation without ovulation ("pseudomenstruation"): Incidence and treatment, with special reference to the rhesus monkey. In: *Les hormones sexuelles*. L. Brouha, ed. Paris: Hermann & cie., 1938, pp. 103-119.

[3t-r: Mc]

2829. Hartman, C. G. The use of gonadotropic hormones in the adult rhesus monkey. *Johns Hopk. Hosp. Bull.*, 1938, 63, 351-371, 3 pls.

[4t-4f-10r: Mc]

2829a. van Herwerden, Maria A. Zusammenhang zwischen menstruellem Zyklus und Ovulation. *Klin. Wschr.*, 1929, 8, 1948-1950.

[4f: C-c Mc]

2830. Morse, A. H. & van Wagenen, G. Observations upon ovulation in primates. *Amer. J. Obstet. Gynec.*, 1936, 32, 823-832.

[3f-2t-r: Mc]

2831.* Narayan Rao, C. R. On the occurrence of glycogen and fat in liquor folliculi and uterine secretion in *Loris lydekkerianus* (Cabr.) *Half-yearly J. Mysore Univ.*, 1932, 6, 140-170.

[8f: Lor]

2832. Zuckerman, S. The physiology of fertility in man and monkey. *Eugen. Rev.*, 1936, 28, 37-50.

[Lecture]

See also: 18, 19, 21, 24, 715, 720, 2682, 2687, 2688, 2690, 2693, 2694, 2695, 2696, 2698, 2709, 2710, 2711, 2713, 2714, 2759, 2764, 2770, 2771, 2772, 2777, 2779a, 2786, 2845, 2884, 2899, 2915, 2936, 2940, 2947.

THE OVARY:

OVARECTOMY & TRANSPLANTATION

See also: 732, 2718, 2789, 2790, 2793, 2802, 2808, 2811, 2821, 2853, 2855, 2872, 2891, 2892, 2896, 2898.

OVARY:

OVARIAN HORMONES PER SE

2833. Allen, E. Reactions of immature monkeys (*Macacus rhesus*) to injections of ovarian hormone. *J. Morph.*, 1928, 46, 479-519.

[9pl-4t-19r: Mc]

2834. Allen, E., Diddle, A. W., Burford, T. H. & Elder, J. H. Analyses of urine of the chimpanzee for estrogenic content during various stages of the menstrual cycle. *Endocrinology*, 1936, 20, 546-549.

[1t-20r: Pn]

2835. Engle, E. T. & Crafts, R. C. Experimental uterine bleeding in monkeys following a single injection of various estrogens. *Proc. Soc. exp. Biol.*, N. Y., 1938, 39, 564-568.

[1t-5r: Mc]

2836. Morrell, J. A., Powers, H. H., Varley, J. R. & De Frates, J. The results of oral administration of amniotin to monkeys. *Endocrinology*, 1930, 14, 174-178.

[6t: Mc]

2837. Mortimer, H., Wright, R. P., Bachman, C. & Collip, J. B. Effect of oestrogenic hormone administration upon nasal mucous membrane of the monkey (*Macaca mulatta*). *Proc. Soc. exp. Biol.*, N. Y., 1936, 34, 535-538.

[Mc]

2838. Mortimer, H., Wright, R. P. & Collip, J. B. Effect of administration of estrogenic hormones on nasal mucosa of monkey (*Macaca mulatta*). *Canad. med. Ass. J.*, 1936, 35, 503-513.

[10f-8t-15r: Mc]

2839. Robson, J. M. Induction of oestrous changes in the monkey and bitch by triphenyl ethylene. *Proc. Soc. exp. Biol.*, N. Y., 1938, 38, 153-157.

[++ 4f-7r: Mc]

2840. Schoeller, W., Dohrn, M. & Hohlweg, W. The peroral effect of follicular hormones. *Med. J. Rec.*, 1930, 132, 487-492.

[+ 8f-r: Mc]

2841. Tavaststyerna, N. Eine schnelle biologische Test-Methode zur Standardisierung der weiblichen Sexualhormone. *Arkiv. biol. Nauk.*,* 1935, 40, (2), 163-180

[14f-3t-16r: Affe]

2842. Zuckerman, S. Variation in the sensitivity of different species of monkeys to oestrin. *J. Physiol.*, 1935, 84, 191-195.

[2t: C-p Mc Ceb]

2843. Zuckerman, S. & van Wagenen, G. The sensitivity of the new-born monkey to oestrin. *J. Anat.*, Lond., 1935, 69, 497-500, 1 pl. [r: Mc]

2844. Westerfeld, W. W. & Doisy, E. A. Ketonic and non-ketonic estrogens. *Ann. intern. Med.*, 1937, 11, 267-273.

[+ 4t-14r: monkey]

See also: 732, 2646, 2705, 2733, 2734, 2735, 2736, 2739, 2740, 2742, 2743, 2744, 2758, 2792, 2800b, 2820, 2847, 2848, 2854, 2860, 2862, 2863, 2866, 2867, 2868, 2874, 2876, 2879, 2886, 2891, 2892, 2895, 2896, 2897, 2900, 2901, 2905.

UTERUS & FALLOPIAN TUBES

2845. Burford, T. H. & Diddle, A. W. Effect of total hysterectomy upon the ovary of the *Macacus rhesus*. *Surg. Gynec. Obstet.*, 1936, 62, 701-707.

[1t-25f: Mc]

2846. Daron, G. H. The arterial pattern of the tunica mucosa of the uterus in *Macacus rhesus*. *Amer. J. Anat.*, 1936, 58, 349-419.

[11pl-19t-nr: Mc]

2846a. Engle, E. Method of obtaining curretttings from uterine mucosa of *Macacus* monkeys. *Proc. Soc. exp. Biol.*, N. Y., 1932, 29, 447-449.

[3f: Mc]

2847. Engle, E. T. & Smith, P. E. Some uterine effects obtained in female monkeys during continued oestrin administration, with especial reference to the cervix uteri. *Anat. Rec.*, 1935, 61, 471-483.

[1pl-1f: Mc]

2848. Engle, E. T. & Smith, P. E. The endometrium of the monkey and estrone-progesterone balance. *Amer. J. Anat.*, 1938, 63, 349-365, 4 pls.

[4pl-1f-5r: monkey]

2849. Hisaw, F. L. The physiology of menstruation in *Macacus rhesus* monkeys. *Amer. J. Obstet. Gynec.*, 1935, 29, 638-659. [23f: Mc]
2850. Hisaw, F. L. Hormones regulating the development of the female reproductive tract of *Macacus rhesus* monkeys. In: *Les hormones sexuelles*. L. Brouha, ed. Paris: Hermann & cie., 1938, 139-147. [8r: Mc]
2851. Hisaw, F. L. & Greep, R. O. Effects of synthetic progesterone on female genital tract of the monkey. *Proc. Soc. exp. Biol., N. Y.*, 1936, 35, 29-30. [monkey]
2852. Hisaw, F. L. & Greep, R. O. The inhibition of uterine bleeding with estradiol and progesterone and associated endometrial modifications. *Endocrinology*, 1938, 23, 1-14. [9f-1t-14r: Mc]
2853. Hisaw, F. L., Greep, R. O. & Fevold, H. L. Effects of progesterone on the female genital tract after castration atrophy. *Proc. Soc. exp. Biol., N. Y.*, 1937, 36, 840-842. [+ monkey]
2854. Hisaw, F. L. & Lendrum, F. C. Squamous metaplasia in the cervical glands of the monkey following oestrin administration. *Endocrinology*, 1936, 20, 228-229. [1t-5r: monkey]
2855. Hisaw, F. L., Meyer, R. K. & Fevold, H. L. Production of a premenstrual endometrium in castrated monkeys by ovarian hormones. *Proc. Soc. exp. Biol., N. Y.*, 1930, 27, 400-403. [2f: Mc]
2856. Ivy, A. C., Hartman, C. G. & Koff, A. The contractions of the monkey uterus at term. *Amer. J. Obstet. Gynec.*, 1931, 22, 388-399. [8f: Mc]
2857. Joachimovits, R. Myoblasten im Uterus. *Arch. Gynaek.*, 1929, 135, 536-544. [+++ 5f: Mc]
2858. Lendrum, F. C. & Hisaw, F. L. Cytology of the monkey endometrium under influence of follicular and corpus luteum hormones. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 394-396. [Mc]
2859. Li, R. C. The effect of posterior pituitary extract, epinephrine, and acetylcholine on the isolated Fallopian tube of the macaque at different stages of the menstrual cycle. *Chin. J. Physiol.*, 1935, 9, 315-328. [3f-4t: Mc]
2860. Migliavacca, A. In der Mucosa des Corpus und der Cervix uteri beim Affen hervorgerufene pathologische Veränderungen. *Arch. Gynaek.*, 1937, 164, 463-477. [18f-r: Mc Pp]
2861. Morse, A. H. & Rubin, I. C. Uterotubal insufflation in the *Macacus rhesus*. A method of assaying pharmacologic and hormonal effects on tubal and uterine contractions. A preliminary report. *Amer. J. Obstet. Gynec.*, 1937, 33, 1087-1092. [3f: Mc]
2862. Overholser, M. D. & Allen, E. Atypical growth induced in cervical epithelium of the monkey by prolonged injections of ovarian hormone combined with chronic trauma. *Surg. Gynec. Obstet.*, 1935, 60, 129-136. [13f-14r: Mc]
2863. Overholser, M. D. & Nelson, W. O. Migration of nuclei in uterine epithelium of monkey following prolonged estrin injections. *Proc. Soc. exp. Biol., N. Y.*, 1936, 34, 839-841. [1f]
2864. Seckinger, D. L. & Corner, G. W. Cyclic variations in the spontaneous contractions of the Fallopian tube of *Macacus rhesus*. *Anat. Rec.*, 1923, 26, 299-301. [1f: Mc]
2865. Westman, A. Untersuchungen über die Physiologie der Tuba uterina bei *Macacus rhesus*-Affen. *Acta obstet. gynec. scand.*, 1929, 8, 307-355. [13f-r: Mc]
2866. Zuckerman, S. Effects of prolonged oestrin-stimulation on the cervix uteri. *Lancet*, 1937, (1), 435-437. [7f-12r: Mc]
2867. Zuckerman, S. Cystic endometrial hyperplasia in a rhesus monkey. *J. Obstet. Gynaec.*, 1937, 44, 494-499, 2 pls. [20r: Mc]
2868. Zuckerman, S. & Morse, A. H. The experimental production of excessive endometrial hyperplasia. *Surg. Gynec. Obstet.*, 1935, 61, 15-19. [+++ 2f-13r: Pn C-c]
- See also: 732, 736, 2773, 2779a, 2789, 2791, 2804a, 2805, 2808, 2809, 2831, 2833, 2840, 2842, 2872, 2896.

VAGINA

2869. Botschkareff, P. W. (Der Vaginalzyklus als Brunsterscheinung bei Primaten.) *Ark. biol. Nauk*,* 1935, 40, (2), 101-119. [14f-40r-Russ. with Gr. abstr.: Affe]
2870. Ch'en Mai, M.-Y. & Van Dyke, H. B. The hydrogen-ion concentration of the vaginal fluid during the menstrual cycle of the macaque. *Chin. J. Physiol.*, 1934, 8, 203-208. [3f-8r: Mc]
2871. Davis, M. E. & Hartman, C. G. Changes in vaginal epithelium during pregnancy in relation to the vaginal cycle. *J. Amer. med. Ass.*, 1935, 104, 279-285. [+++ 7f: Mc]
2872. van Dyke, H. B. & Ch'en, G. Observations on the biochemistry of the genital tract of the female macaque particularly during the menstrual cycle. *Amer. J. Anat.*, 1936, 58, 473-499. [3pl-3f-9t-r: Mc]
2873. Gillman, J. The cyclical changes in the vaginal smear in the baboon and its relationship to the perineal swelling. *South Afr. J. med. Sci.*,* 1937, 2, 44-56. [5f-r: Pp]
2874. Hall, B. V. & Lewis, R. M. The induction of an acid vaginal secretion in the immature macaque by injections of oestrin. *Endocrinology*, 1936, 20, 210-213. [1t: Mc]
2875. Nakanoin, T. & Miura, H. Über die Selbstreinigung der menschlichen Scheide. *Virchows Arch.*, 1929, 273, 496-510. [+ 8t-nr: C-p]
2876. Ranson, R. M. & Zuckerman, S. The vaginal hydrogen-ion concentration in monkeys injected with oestrone. *J. Physiol.*, 1937, 89, 96-98. [2t: Mc]

2877. Tinklepaugh, O. L. Occurrence of vaginal plug in a chimpanzee. *Anat. Rec.*, 1930, 46, 329-332. [1f: Pn]

2878. Tinklepaugh, O. L. & Van Campenhout, E. The vaginal cell content of the mature and immature chimpanzee. *Anat. Rec.*, 1931, 48, 309-322. [7f-15r: Pn]

2879. Weinstein, L., Wawro, N. W., Worthington, R. V. & Allen, E. The influence of estrogenic hormone on the H-ion concentration and bacterial flora of the vagina of the immature monkey. *Yale J. Biol. Med.*, 1938, 11, 141-148. [1t-8r: Mc]

See also: 2753, 2764, 2773, 2779, 2779a, 2791, 2800b, 2804a, 2805, 2808, 2809, 2833, 2839, 2840, 2842, 2896.

SEXUAL SKIN

2880. Allen, E. Sex characteristics in monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1928, 25, 325-327. [monkey]

2881. Aykroyd, Olive E. & Zuckerman, S. Factors in sexual-skin oedema. *J. Physiol.*, 1938, 94, 13-25, pl. 1. [+++ 3t-18r: Mc]

2882. Bachman, C., Collip, J. B. & Selye, H. The effects of prolonged oestrial administration upon the sex skin of *Macaca mulatta*. *Proc. roy. Soc.*, 1935, B, 117, 16-21, pl. 1-4. [1f: Mc]

2883. Bachman, C., Collip, J. B. & Selye, H. Further studies of sex skin reactions in *Macaca mulatta*. *Proc. Soc. exp. Biol., N. Y.*, 1936, 33, 549-551. [Mc]

2884. Collings, M. R. A study of the cutaneous reddening and swelling about the genitalia of the monkey, *Macacus rhesus*. *Anat. Rec.*, 1926, 33, 271-287. [4f: Mc]

2885. Elder, J. H. Effects of theelin injections in normal pre-pubescent chimpanzees. *Anat. Rec.*, 1938, 72, 37-43, 1 pl. [1f-8r: Mc]

2886. Fisher, R. B., Krohn, P. L. & Zuckerman, S. The occurrence of an oestrogenic substance in the sexual skin of monkeys. *Bio-chem. J.*, 1936, 30, 2219-2223. [2t-17r: Prsb Mc Pp]

2887. Gillman, J. The cyclical changes in the external genital organs of the baboon (*P. porcaricus*). *S. Afr. J. Sci.*, 1935, 32, 342-355, pl. 2. [4f: Mc]

2887a. Noback, C. V. 1. Note on menstruation in the gorilla, (*Gorilla gorilla*). 2. Note on gross changes observed in the external genitalia of the female gorilla just before, during, and after menstruation. *Amer. J. phys. Anthrop.*, 1936, 21, Suppl. p. 9. [Abstr: Gr]

2888. Raven, H. C. Genital swelling in a female gorilla. *J. Mammal.*, 1936, 17, 416. [Gr]

2889. de Rochebrune, A.-T. De la conformation des organes génitaux externes chez les femelles

de singes anthropomorphes du genre *Troglodytes*. *C. R. Acad. Sci., Paris*, 1886, 103, 1084-1086. [Pn]

2890. Russell, A. E. & Zuckerman, S. A "sexual skin" in a marmoset. *J. Anat., Lond.*, 1935, 69, 356-362, 1 pl. [2f: Hap]

2891. Schoeller, W., Dohrn, M. & Hohlweg, W. Die künstliche Auslösung des Sexualzyklus an Pavianweibchen. I. Über die Brunstschwellungen beim kastrierten Pavianweibchen nach subcutaner und peroraler Progynondarreichung. *Arch. Gynäk.*, 1932, 150, 126-134. [9f-2t: Pp]

2892. Schoeller, W., Dohrn, M. & Hohlweg, W. Swelling of the external genitalia in castrated female baboons after oral and hypodermic treatment with female follicular sex hormone. *J. Lab. clin. Med.*, 1933, 18, 926-932. [9f-2t: Mc Pp]

2893. Schultz, A. H. Genital swelling in the female orang-utan. *J. Mammal.*, 1938, 19, 363-366. [1f-9r: Gr Pn Png]

2894. Woskressensky, & Iwanow, N. S. Beobachtungen über Sexualzyklen bei Affen. *Biol. gen.*, 1932, 8, 597-606, pl. 13. [12r: Pp]

2895. Zuckerman, S. The menstrual cycle of the primates. IX.—The effect of oestrin on the denervated sexual skin. *Proc. roy. Soc.*, 1935, B, 118, 22-33. [10f-r: Mc]

2896. Zuckerman, S. & Fulton, J. F. The menstrual cycle of the primates. Part VII. The sexual skin of the chimpanzee. *J. Anat., Lond.*, 1934, 69, 38-46, 1 pl. [2f: Pn]

2897. Zuckerman, S., van Wagenen, G. & Gardiner, R. H. The sexual skin of the rhesus monkey. *Proc. zool. Soc. Lond.*, 1938, A, 108, 385-401, pls. 1-6. [28r: Mc]

See also: 164, 335, 2710, 2734, 2735, 2736, 2752, 2756, 2764, 2773, 2774, 2775, 2776, 2777, 2779, 2782, 2783, 2785, 2787, 2789, 2791, 2798, 2801, 2805, 2808, 2833, 2841, 2842, 2843, 2845, 2847, 2873, 2916, 2928, 2936, 3583, 4015.

MAMMARY GLANDS & LACTATION

2898. Aberle, S. B. D. Comparison of mammary glands of normal and ovariectomized rhesus monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1934, 32, 246-247. [1t: Mc]

2899. Aberle, S. B. D. Size of mammary glands of normal rhesus monkeys and those injected with theelin, corpus luteum extract, and anterior pituitary extract. *Proc. Soc. exp. Biol., N. Y.*, 1934, 32, 247-248. [1f: Mc]

2900. Allen, E., Gardner, W. U. & Diddle, A. W. Experiments with theelin and galactin on growth and function of the mammary glands of the monkey. *Endocrinology*, 1935, 19, 305-313. [7f-1t-11r: Mc]

2901. Gardner, W. U. & van Wagenen, G. Experimental development of the mammary gland in the monkey. *Endocrinology*, 1938, 22, 164-172. [13f-3t-14r: Mc]

2902. Schumacher, H. M. Die chemische Zusammensetzung der Milch eines anthropoiden Affen (Orang-Utan). *Z. Kinderheilk.*, 1934, 56, 415. [1t: Png]

2903. Turner, C. W. & Allen, E. The normal and experimental development of the mammary gland of the monkey (*Macacus rhesus*). *Anat. Rec.*, 1933, 55, 80. [Abstr.]

2903a. Zuckerman, S. Exhibition of (1) brain of a chimpanzee; and (2) specimens demonstrating functional changes in the mammary glands of the green monkey (*Cercopithecus sabaues*). *Proc. zool. Soc. Lond.*, 1932 [1933], (2), 1079-1081. [1f-1t: Pn C-p]

See also: 2694, 2697, 2783, 2791, 2808, 2924.

PREGNANCY & PARTURITION

2904. Abel, W. Zwillinge bei Mantelpavianen und die Zwillingsanlage innerhalb der Primaten. *Z. Morph. Anthropol.*, 1933, 31, 266-275, pl. 26. [1f-12r: esp. Pp]

2905. Allen, E., Diddle, A. W. & Elder, J. H. Theelin content of pregnancy urine and placenta of the chimpanzee. *Amer. J. Physiol.*, 1935, 110, 593-596. [1t-r: Pn]

2906. Anthony, R. Une femelle de gorille en état de gestation. *Bull. Soc. Anthropol. Paris*, 1912, (6), 3, 399, 1 pl. [mere photograph]

2907. Bourdelle, E. & Rode, P. Notes à propos d'un jeune orang (*Pongo pygmaeus* Hoppius) né à la ménagerie du Jardin des Plantes. *Bull. Mus. Hist. nat., Paris*, 1932, (2), 4, 472-477. [Png]

2908. Brown, C. E. Birth of second chimpanzee in the Philadelphia Zoological Garden. *J. Mammal.*, 1930, 11, 303-305, pl. 19. [Pn]

2909. Clarke, R. C. Notes on birth of a chimpanzee in the Clifton Zoological Gardens, Bristol. *Proc. zool. Soc. Lond.*, 1934, (2), 731-732. [Pn]

2910. Elder, J. H. Puerperal hemorrhage in chimpanzees. *Amer. J. Obstet. Gynec.*, 1939, 37, 327-329. [1t-3r: Pn]

2911. Elder, J. H. & Yerkes, R. M. Chimpanzee births in captivity: a typical case history and report of sixteen births. *Proc. roy. Soc.*, 1936, B, 120, 409-421. [1t-r: Pn]

2911a. English, W. L. Notes on the breeding of a douroucouli (*Aotus trivirgatus*) in captivity. *Proc. zool. Soc. Lond.*, 1934, (1), 143-144, 1 pl. [Aof]

2912. Fox, H. The birth of two anthropoid apes. *J. Mammal.*, 1929, 10, 37-51, pls. 4-7. [1f: Pn Png]

2913. Hamlett, G. W. D. Positive Friedman tests in the pregnant rhesus monkey, *Macaca mulatta*. *Amer. J. Physiol.*, 1937, 118, 664-668. [1f: Mc]

2914. Hartman, C. G. The period of gestation in the monkey, *Macacus rhesus*. *Science*, 1928, n.s., 67, 15. [Mc]

2915. Hartman, C. G. Description of parturition in the monkey, *Pithecius (Macacus) rhesus*, together with data on the gestation period and other phenomena incident to pregnancy and labor. *Johns Hopk. Hosp. Bull.*, 1928, 43, 33-51. [2pl-1f-20r: Mc]

2916. Hartman, C. [G.] The period of gestation in the monkey, *Macacus rhesus*, first description of parturition in monkeys, size and behavior of the young. *J. Mammal.*, 1928, 9, 181-194, pls. 17-18. [1f: Mc]

2917. Hartman, C. G. Gestation in a monkey (*Macacus rhesus*) and associated phenomena. *Amer. J. Obstet. Gynec.*, 1928, 15, 534-540. [1f-r: Mc]

2918. Hartman, C. G. Uterine bleeding as an early sign of pregnancy in the monkey (*Macacus rhesus*), together with observations on the fertile period of the menstrual cycle. *Johns Hopk. Hosp. Bull.*, 1929, 44, 155-164. [2t: Mc]

2919. Hartman, C. G. Alleged birth of triplets in the rhesus monkey. *Science*, 1938, n.s., 87, 552. [3r: Mc]

2920. Hartman, C. G., Squier, R. R. & Tinklepaugh, O. L. The fetal heart rate in the monkey (*Macacus rhesus*). *Proc. Soc. exp. Biol., N. Y.*, 1930, 28, 285-288. [1t: Mc]

2921. Hutzelsider, H. B. Bericht über eine Gibbon-Geburt im Zoologischen Garten von Aarhus (Dänemark). *Zool. Gart., Lpz.*, 1937, 9, n.f., 113-122. [6f: Hy]

2922. Lucas, N. S., Hume, E. Margaret, & Smith, H. H. On the breeding of the common marmoset (*Hapale jacchus* Linn.) in captivity when irradiated with ultra-violet rays. *Proc. zool. Soc. Lond.*, 1927, (1), 447-451, 2 pls. [Hap]

2922a. Lucas, N. S., Hume, E. Margaret & Smith, H. H. On the breeding of the common marmoset (*Hapale jacchus* Linn.) in captivity when irradiated with ultra-violet rays.—II. A ten years' family history. *Proc. zool. Soc. Lond.*, 1937, A, 107, 205-211. [Hap]

2923. von Mikulicz-Radecki, F. Hysteroskopische Studien am puerperalen Affenuterus nebst anatomischer Untersuchung eines puerperalen Affenuterus (*Macacus rhesus*). *Zbl. Gynäk.*, 1931, 55, (2), 1782-1790. [11f: Mc]

2924. Montané, L. Histoire d'une famille de chimpanzés. Étude physiologique. *Bull. Soc. Anthropol. Paris*, 1928, (7), 9, 14-35. [4f: Pn]

2924a. Nicolle, C. & Wetterlé, L. A propos de trois naissances dans la singerie de l'Institut Pasteur de Tunis. *Arch. Inst. Pasteur Tunis*, 1930, 19, 465-468.

2925. Paris, P. Observations sur le *Lemur mongos* L. en captivité. *Bull. Soc. zool. Fr.*, 1907, 32, 101-103. [1f: Lm]

2926. Paris, P. Un cas de reproduction du ouistiti (*Hapale jacchus*). *Bull. Soc. zool. Fr.*, 1908, 33, 147. [Hap]

2927. Philipp, E. Physiologie und Pathologie der Geburt bei Affen. *Zbl. Gynäk.*, 1931, 55, (2), 1776-1782. [14f-r: Mc]

2927a. Sawaya, P. Alguns aspectos da biologia dos "Saguis" *Hapale jacchus* (L.). *Bol. biol. S. Paulo*,* 1936, 2, 141-149. [Hap]

2927b. Schmidt, H. R. Über Schwangerschaft, Geburt und Wochenbett beim Orang-Utan. *M Schr. Geburtsh. Gynäk.*, 1932, 91, 496. [Abstr: Png]

2928. Schultz, A. H. & Snyder, F. F. Observations on reproduction in the chimpanzee. *Johns Hopk. Hosp. Bull.*, 1935, 57, 193-205. [1t-r: Pn]

2929. Spiegel, A. Beobachtungen über den Sexualzyklus, die Gravidität und die Geburt bei Javamakaken. (*Macaca irus mordax* Thomas & Wroughton [cynomolgus L.]). *Arch. Gynaek.*, 1930, 142, 561-591. [27f-3t-nr: Mc]

2930. Tinklepaugh, O. L. Parturition and puerperal sepsis in a chimpanzee. *Anat. Rec.*, 1932, 53, 193-205. [1pl-15r: Mc]

2931. Tomilin, M. I. Length of gestation period and menstrual cycle in the chimpanzee. *Nature, Lond.*, 1936, 137, 318-319. [Pn]

2932. Vaughan, Kathleen. The birth of apes. *Lancet*, 1935, 228, 1016-1017. [monkey]

2933. Wyatt, J. The birth of a chimpanzee at the Zoological Gardens, London. *Proc. R. Soc. Med.*, 1935, 28, (2), (Obstet. & Gynaec.), 876-878. Also: *Lancet*, 1935, 228, 678. [Pn]

2934. Wyatt, J. M. & Vevers, G. M. On the birth of a chimpanzee recently born in the Society's Gardens. *Proc. zool. Soc. Lond.*, 1935, 195-197. [Pn]

2935. Yerkes, R. M. Multiple births in anthropoid apes. *Science*, 1934, n.s., 79, 430-431. [Pn]

2936. Yerkes, R. M. & Elder, J. H. Concerning reproduction in the chimpanzee. *Yale J. Biol. Med.*, 1937, 10, 41-48. [1t: Pn]

2937. Zuckerman, S. The Aschheim-Zondek diagnosis of pregnancy in the chimpanzee. *Amer. J. Physiol.*, 1935, 110, 597-601. [1t-r: Pn]

See also: 64, 73, 74, 98, 136, 715, 730, 731, 735, 739, 915, 2750, 2761, 2762, 2764, 2764a, 2775, 2779, 2781, 2783, 2784, 2785, 2825, 2856, 2871, 2893, 2938, 2939, 2943, 3532, 3552, 3554, 3689, 3822, 3873, 4049, 4053.

BREEDING SEASON

2938. Flower, S. S. Breeding season of lemurs. *Proc. zool. Soc., Lond.*, 1933, (1), 317. [1t: Lm]

2939. Kaudern, W. Einige Beobachtungen über die Zeit der Fortpflanzung der madagassischen Säugetiere. *Ark. Zool.*, 1914, 9, no. 1, 22 pp. [++ 4f-t: Lm Lp-l Mcr-c Chrg Pr-p Avh Indr Daub]

2940. Hartman, C. G. The breeding season in monkeys, with special reference to *Pithecus (Macacus) rhesus*. *J. Mammal.*, 1931, 12, 129-142. [3t: C-p C-c Mc Pp]

2941. Heape, W. The "sexual season" of mammals and the relation of the "pro-oestrus" to menstruation. *Quart. J. micr. Sci.*, 1900, n.s., 44, 1-70. [+ nr: monkey]

2942. van Herwerden, M. A. Some remarks on the polyoestrus of primates. *Anat. Rec.*, 1925, 30, 221-223. [1f: C-c Tars]

2943. Hill, W. C. O. Breeding of *Loris* in captivity. *Nature, Lond.*, 1935, 136, 107-108. [Lor]

2944. de Lange, D. Sexualzyklus und Schwangerschaftsdauer bei *Tarsius spectrum*. *Anat. Anz.*, 1931, 72, 337-348. [6f-1t: Tars]

2945. Zuckerman, S. The menstrual cycle of the primates.—Part III. The alleged breeding-season of primates, with special reference to the Chacma baboon (*Papio porcarius*). *Proc. zool. Soc. Lond.*, 1931, (1), 325-343. [7f-r: Pp]

2946. Zuckerman, S. The menstrual cycle of the primates.—Part VI. Further observations on the breeding of primates, with special reference to the suborders Lemuroidea and Tarsiodea. *Proc. zool. Soc. Lond.*, 1932 [1933], (2), 1059-1075. [9f-5t-r: Png Hyl Prsb Mc Pp Ceb Al Hap Lm Mcr-c Nyct-c Glg Tars]

See also: 73, 135, 140, 2672, 2762, 2764, 2770, 2771, 2772, 2783, 2828, 3900, 3917, 4015.

INFANCY, PUBERTY, MATURITY & SENESCENCE

2947. Bader, R. Alterserscheinungen an Menschen- und Makakenovarien. *Zool. Anz.*, 1937, 120, 33-39. [++ 4f-10r: Mc]

2948. Harms, [J. W.] Altersveränderungen im Hirn von Affen und Menschen. *Münch. med. Wschr.*, 1927, 74, 1349-1350. [++ Affe]

2949. Harms, J. W. Alterserscheinungen im Hirn von Affen und Menschen. *Zool. Anz.*, 1927, 74, 249-256. [++ 3f: Mc]

2950. Tomilin, M. I. Death of the oldest chimpanzee in captivity. *Science*, 1936, n.s., 83, 103-104. [Pn]

See also: 2682, 2685, 2694, 2706, 2712, 2717, 2719, 2764, 2768, 2779, 2783, 2800b, 2833, 2843, 2857, 2878, 2885, 2901, 2915, 2916, 2917, 2922a, 2924, 2928, 2953, 3023, 3784a, 4049.

LONGEVITY

2951. Bolau, H. Die Lebensdauer der Thiere im Zoologischen Garten zu Hamburg. *Zool. Gart., Frankfurt*, 1879, 20, 65-71. [++ Pn Png Hyl Prsb C-p Ery-c C-c Mc Cyn-p Pp Mndr Ceb Lag Brchyt Atl Hap Oed-m Leon-c]

2952. Brandes, G. Der Tod unseres Riesenorangs "Goliath." *Zool. Gart., Lpz.*, 1929, n.f., 1, 396-400. [2f: Png]

2953. Brandes, G. Wie alt wird der Orang-Utan? *Zool. Gart., Lpz.*, 1931, n.f., 4, 1-9. [2f: Png]

2954. Brown, C. E. Longevity of mammals in the Philadelphia Zoological Garden. *J. Mam-mal.*, 1925, 6, 264-267.

[+ 1t: Pn Hyl C-p Mc Pp Ceb]

2955. Flower, S. S. Contributions to our knowledge of the duration of life in vertebrate animals.—V. Mammals. *Proc. zool. Soc. Lond.*, 1931, (1), 145-234. [+ nt-127r: Gr

Pn Png Hyl Prsb Clb C-p Ery-c C-c Mc Pp Saim Ceb Lag Atl Hap Lm Hp-l Mcr-c Chrg Nyct-c Glg Daub]

2956. Hill, W. C. O. Longevity in a macaque. *Spolia zeylan.*, 1937, 20, 255-256. [Mc]

2957. Mitchell, P. C. On longevity and relative viability in mammals and birds; with a note on the theory of longevity. *Proc. zool. Soc. Lond.*, 1911, (1), 425-548. [+ vnt: Gr

Pn Png Hyl Symph Prsb Clb C-p Ery-c C-c Mc Cyn-p Thr-p Pp Aot Cal-c Pith Cacaj Saim Ceb Lag Atl Al Hap Myst Oed-m Leon-c Lm Hp-l Mcr-c Chrg Lor Nyct-c Prdct Glg Daub]

2958. Schmidt, M. Die Lebensdauer der Thiere in Gefangenschaft. *Zool. Gart., Frankfurt*, 1878, 19, 1-8, 41-49. [+ vnt: C-p Ery-c C-c

Mc Cyn-p Pp Mndr Saim Ceb Brchyt Atl]

2959. Schmidt, M. On the duration of life of the animals in the zoological garden at Frankfurt-on-the-Main. *Proc. zool. Soc. Lond.*, 1880, 299-319. [+ nt: Pn Png C-p C-c Mc

Cyn-p Pp Mndr Aot Saim Ceb Brchyt Atl Hap Lm Glg]

2960. Stadie, R. Biologische Aufzeichnungen über in Gefangenschaft gehaltene Affen und Halbaffen. *Zool. Gart., Lpz.*, 1931, n.f., 4, 132-140.

[5t: Pn Png Hyl Prsb C-p Ery-c C-c Mc Pp Mndr Lm Lag Ceb Atl Hap Leon-c Lm Glg Nyct-c]

See also: 4015, 4057.

Muscles & Skin

MUSCLE

2961. Bender, M. B. Contractions in denervated muscles induced by fright as evidence of secretion of a parasympathetic hormone. *J. Mt. Sinai Hosp.*, 1938, 5, 411-418.

[+++ 4f-15r: monkey]

2962. Bender, M. B. Fright and drug contractions in denervated facial and ocular muscles of monkeys. *Amer. J. Physiol.*, 1938, 121, 609-619.

[3f-11r: Mc]

2962a. Bender, M. B. Sensitized pupillary dilator and facial muscles as indicators of sympathetic and parasympathetic substances in blood. *Proc. Soc. exp. Biol., N. Y.*, 1938, 39, 62-65.

[++ 1t: monkey]

2963. Bender, M. B. & Fulton, J. F. Functional recovery in ocular muscles of a chimpanzee after section of oculomotor nerve. *J. Neurophysiol.*,* 1938, 1, 144-151.

[4f-12r: Pn]

2964. Bender, M. B. & Kennard, Margaret A. The fright reaction after section of the facial, trigeminal and cervical sympathetic nerves. *J. Neurophysiol.*,* 1938, 1, 431-435.

[+++ 7r: Mc]

2965. Chor, H. & Dolkart, R. E. Muscle atrophies. I. Water and nitrogen studies in simple disuse atrophy. *Proc. Soc. exp. Biol., N. Y.*, 1935, 32, 1437-1438.

[Mc]

2966. Chor, H. & Dolkart, R. E. A study of "simple disuse atrophy" in the monkey. *Amer. J. Physiol.*, 1936, 117, 626-630.

[1t: Mc]

2967. Chor, H., Dolkart, R. E. & Davenport, H. A. Chemical and histological changes in denervated skeletal muscle of the monkey and cat. *Amer. J. Physiol.*, 1937, 118, 580-587.

[++ 3f-2t-r: Mc]

See also: 2856, 2971, 2980, 3095, 3099, 3100, 3252.

SKIN & HAIR

2967a. Block, W. D. & Lewis, H. B. The amino acid content of cow and chimpanzee hair. *J. biol. Chem.*, 1938, 125, 561-570.

[4t: Pn]

2967aa.* Kawaguchi, M. (Über den Cholesteringehalt der Haare verschiedener Tiere. *Nagoya Igk. Z.*, 1936, 44, 109-118.) Abstr.: *Jap. J. med. Sci., I. Anat.*, 1938, 7, (124).

[+ Jap]

2967b. Okuda, Y. & Katai, K. On the cystine content of hair and feathers. *J. Biochem., Tokyo*, 1936, 24, 207-214.

[+ nt: Hyl ?C-c Mc Ceb]

2968. Zeiger, K. Das Ladungs mosaik der Epidermis. *Z. Zellforsch.*, 1935, 23, 431-441.

[++ 8f: Mc]

The Nervous System & Sense Organs

Peripheral Nervous System

POSTERIOR ROOTS

2969. **Barbieri, N. A.** Expériences sur la région lombo-sacrée de la moëlle épinière d'un macaque. *Anat. Anz.*, 1909, **34**, ErgH., 164-169.

[+ 8f: Mc]

2970. **Hartmann, F. & Trendelenberg, W.** Beitrag zur Kenntnis der Bewegungsstörung nach Hinterwurzel durchschneidung insbesondere am Affen. *Z. ges. exp. Med.*, 1926, **50**, 280-296.

[++ 15f: Mc]

2971. **Mott, F. W. & Sherrington, C. S.** Experiments upon the influence of sensory nerves upon movement and nutrition of the limbs. Preliminary communication. *Proc. roy. Soc.*, 1895, **57**, 481-488.

[+++ Mc]

2972. **Munk, H.** Über die Folgen des Sensibilitätsverlustes der Extremität für deren Mutilität. *S. B. preuss. Akad. Wiss.*, 1903, (2), 1038-1077.

[++ Mc]

See also: 3010, 3019, 3044, 3083.

PERIPHERAL NERVE

2973. **Ballance, C.** Anastomosis of nerves. Experiments in which the central end of the divided cervical sympathetic nerve was anastomosed to the peripheral end of the divided facial nerve and to the peripheral end of the divided hypoglossal nerve. *Arch. Neurol. Psychiat., Chicago*, 1931, **25**, 1-28.

[+ 20f: monkey Pp]

2974. **Bishop, G. H., Heinbecker, P. & O'Leary, J. L.** Nerve degeneration accompanying experimental poliomyelitis. II. A histologic and functional analysis of normal somatic and autonomic nerves of the monkey. *Arch. Neurol. Psychiat., Chicago*, 1932, **27**, 1070-1079.

[4f-1t: Mc]

2975. **Colledge, L. & Ballance, C.** Anastomoses between the recurrent laryngeal and phrenic nerves. The condition of the intrinsic muscles and nerves of the larynx of a rhesus monkey more than three years, and two years, after operation. *Brit. med. J.*, 1928, (1), 746-747, 1 pl.

[Mc]

2976. **Davenport, H. A., Chor, H. & Dolkart, R. E.** The ratio of myelinated to unmyelinated fibers in regenerated sciatic nerves of *Macacus rhesus*. *J. comp. Neurol.*, 1937, **67**, 483-491.

[1f-1t-14r: Mc]

2977. **Duel, A. B. & Ballance, C.** A note on the result which follows the grafting of the raw peripheral end of the divided cervical sympathetic nerve to another nerve in the vicinity. *Brain*, 1932, **55**, 226-231.

[++ 4r: Mc]

2978. **Heinbecker, P., Bishop, G. H. & O'Leary, J. L.** Nerve degeneration in poliomyelitis. III. Rate of depression and disappearance of components of conducted action potential in severed nerves; correlation with histologic degeneration in groups of fibers responsible for various components. *Arch. Neurol. Psychiat., Chicago*, 1932, **27**, 1421-1435.

[+ 3f-3t: Mc]

2979. **Jalowy, B.** Über die De- und Regeneration der Nervenendigungen in den Fingerbeeren der oberen Extremitäten der Affen (*Macacus rhesus*). *Z. Zellforsch.*, 1935, **23**, 84-116.

[11f-28r: Mc]

2980. **Kennedy, R.** Experiments on the restoration of paralysed muscles by means of nerve anastomosis. *Proc. roy. Soc.*, 1911, **B**, **84**, 75-78.

[++ monkey]

2981. **Mott, F. W., Halliburton, W. D. & Edmunds, A.** Regeneration of nerves. *Proc. roy. Soc.*, 1907, **B**, **78**, 259-283, pl. 15.

[++ 5f: monkey]

See also: 2883, 2991, 3250, 3252.

Cerebrum & Cerebral Cortex

GENERAL & COMPREHENSIVE

(incl. methodology)

2982. **Block, R. J.** Chemical studies on the neuroproteins. I. The amino acid composition of various mammalian brain proteins. *J. biol. Chem.*, 1937, **119**, 765-768.

[+ 2t: monkey]

2983. **Dusser de Barenne, J. G.** "Corticalization" of function and functional localization in the cerebral cortex. *Arch. Neurol. Psychiat., Chicago*, 1933, **30**, 884-901.

[+ 4f: Pn Hyl C-p Mc]

2984. **Dusser de Barenne, J. G.** Selektive Abtötung der Nervenzellschichten der Grosshirnrinde. Die Methode der laminären Thermokoagulation der Rinde. Zusatz. Über die pathologischen Befunde nach laminären Thermokoagulation der Hirnrinde. H. M. Zimmerman. *Z. ges. Neurol. Psychiat.*, 1933, **147**, 280-290.

[+++ 8f: Affe]

2985. Dusser de Barenne, J. G. & Zimmerman, H. M. Changes in the cerebral cortex produced by thermocoagulation. A suggestion to neurosurgery. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 123-131. [+++ 7f: monkey]

2986. Ferrier, D. Experiments on the brain of monkeys.—No. I. *Proc. roy. Soc.*, 1875, 23, 409-430. [3f: Mc]

2987. Ferrier, D. The Croonian Lecture.—Experiments on the brain of monkeys (second series). *Philos. Trans.*, 1875, 165, 433-488. Abstr.: *Proc. roy. Soc.*, 1875, 23, 431-432. [37f: Mc]

2987a. Ferrier, D. & Yeo, G. F. A record of experiments on the effects of lesion of different regions of the cerebral hemispheres. *Philos. Trans.*, 1884, 175, 479-564, pls. 20-36. Abstr.: *Proc. roy. Soc.*, 1884, 36, 222-224. [+++ Mc Pp]

2988. Ferrier, David. *The functions of the brain*. London: Smith, Elder & co., 1886, 2nd ed., xxiii, 498 pp.

2989. Fulton, John F. & Keller, Allen B. *The sign of Babinski; A study of the evolution of cortical dominance in primates*. Springfield, Ill.: Charles C Thomas, 1932, xi, 165 pp., 2 pls. [65f-8t-114r: Pn Hyl Prsb C-p Ery-c C-c Mc Thr-p Pp Ceb Atl]

2990. Fulton, J. F. Somatic and autonomic motor functions of the cerebral cortex in ape and man. (Ludvig Hektoen Lecture.) *Proc. Inst. Med. Chicago*, 1936, 11, 21-42. [4f-1t-70r: Pn Mc]

2991. Fulton, John Farquhar. *Physiology of the nervous system*. New York: Oxford University Press, 1938, xv, 675 pp., 1 pl. [++ 94f-1361r]

2992. Gotch, F. & Horsley, V. Croonian lecture.—On the mammalian nervous system, its functions, and their localisation determined by an electrical method. *Philos. Trans.*, 1891, B, 182, 267-526, pls. 29-35. [++ 26f-vnt: Mc]

2992a. Gotch, F. & Horsley, V. Observations upon the electromotive changes in the mammalian spinal cord following electrical excitation of the cortex cerebri. Preliminary notice. *Proc. roy. Soc.*, 1888, 45, 18-26, pl. 1. [+]

2993. Harlow, H. F. The neuro-physiological correlates of learning and intelligence. *Psychol. Bull.*, 1936, 33, 479-525. [Review]

2994. Horsley, V. & Clarke, R. H. The structure and functions of the cerebellum examined by a new method. *Brain*, 1908, 31, 45-124. [+++ 30f-26r: Mc]

2995. Horsley, V. & Schäfer, E. A. A record of experiments upon the functions of the cerebral cortex. *Philos. Trans.*, 1888, B, 179, 1-45, pls. 1-7. [+++ 2f: monkey]

2996. Smith, G. Elliot. The brains of apes and men. (Wilde Memorial Lecture.) *Mem. Manchester lit. phil. Soc.*, 1925-26, 70, 87-104. [Tars]

See also: 3140. Methodology: 2134, 2984, 2985, 2989, 2994, 3006, 3028, 3029, 3105, 4056.

CEREBRAL CIRCULATION & CEREBROSPINAL FLUID

2997. Chorobski, J. & Penfield, W. Cerebral vasodilator nerves and their pathway from the medulla oblongata, with observations on the pial and intracerebral vascular plexus. *Arch. Neurol. Psychiat., Chicago*, 1932, 28, 1257-1289. [+++ 21f-45r: Mc Ceb]

2998. Cobb, S. & Finesinger, J. E. Cerebral circulation. XIX. The vagal pathway of the vasodilator impulses. *Arch. Neurol. Psychiat., Chicago*, 1932, 28, 1243-2356. [++ 5f-1t: Mc]

2999. Evans, J. P. & McEachern, D. The circulatory changes in cerebral vascular occlusion and in cerebral cicatrization. *Res. Publ. Ass. nerv. ment. Dis.*, 1937 [1938], 18, 379-393. [+++ 11r: monkey]

3000. Flexner, L. B. & Weed, L. H. Note on cerebrospinal elasticity in a chimpanzee. *Amer. J. Physiol.*, 1933, 105, 571-573. [1t: Pn]

3001. Forbes, H. S., Finley, K. H. & Nason, G. I. Cerebral circulation. XXIV. A. Action of epinephrine on pial vessels; B. Action of pituitary and pitressin on pial vessels; C. Vasomotor response in the pia and in the skin. *Arch. Neurol. Psychiat., Chicago*, 1933, 30, 957-979. [+ 8f-8t: Mc]

3001a.* Fujisawa, Y. (Beiträge zur Kenntnis des normalen Befundes des Liquor cerebrospinalis bei mehreren Versuchstierarten.) *Osaka Igakwai Zasshi*, 1927, 26. [+ Jap.: see no. 3003a]

3002. Gardner, M. D. Ligation of carotid and vertebral arteries in monkeys. *Proc. Soc. exp. Biol., N. Y.*, 1935, 32, 1034-1036. [Mc]

3003. Hill, L. & Macleod, J. J. R. A further enquiry into the supposed existence of cerebral vaso-motor nerves. *J. Physiol.*, 1901, 26, 394-404. [++ 11f-11r: monkey]

3003a. Kasahara, M. & Fujisawa, Y. Studien über Liquor cerebrospinalis. I. Mitteilung. Über die normale Cerebrospinalflüssigkeit der Versuchstiere. *Z. ges. exp. Med.*, 1930, 73, 11-13. [+ 4t: Affe]

3004. Penfield, W. Intracerebral vascular nerves. *Arch. Neurol. Psychiat., Chicago*, 1932, 27, 30-44. [++ 14f: Pn Mc]

3005. Spencer, W. & Horsley, V. On the changes produced in the circulation and respiration by increase of the intra-cranial pressure or tension. *Philos. Trans.*, 1891, B, 182, 201-254. [+ 25f-1t: Mc]

3006. Sunderland, S. The production of cortical lesions by devascularization of cortical areas. *J. Anat., Lond.*, 1938, 73, 120-129, 1 pl. [+++ 4f-r: Mc]

3007. Watts, J. W. Ligation of the anterior cerebral artery in monkeys. *J. nerv. ment. Dis.*, 1934, 79, 153–158. [1f: Mc Pp]

3008. Weed, L. H. & Flexner, L. B. Cerebrospinal elasticity in the cat and macaque. *Amer. J. Physiol.*, 1932, 101, 668–677. [++ 3t: Mc]

See also: 1986, 2003, 3065, 3196a.

DECORTICATION & DECEREBRATION

3009. Berkwitz, N. J., Morris, R. E., Scott, F. H. & McKinley, J. C. Decorticate rigidity. *Proc. Soc. exp. Biol., N. Y.*, 1927, 24, 536–538. [++ r: Mc]

3010. Bieber, I. & Fulton, J. F. Relation of the cerebral cortex to the grasp reflex and to postural and righting reflexes. *Arch. Neurol. Psychiat., Chicago*, 1938, 39, 433–454. [+++ 8f-nr: Mc]

3011. Brown, T. Graham. On the occurrence of a plastic flexor tone in the monkey. *J. Physiol.*, 1915, 49, 180–184. [1f: Mc]

3012. Goltz, F. Beobachtungen an einem Affen mit verstümmeltem Grosshirn. *Pflüg. Arch. ges. Physiol.*, 1899, 76, 411–426, pl. 1. [Mc]

3014. Karplus, J. P. & Kreidl, A. Totalexstirpation einer Grosshirnhemisphäre beim Affen (*Macacus rhesus*). (Vorläufige Mitteilung). *Zbl. Physiol.*, 1911, 25, 369–370. [Abstr.]

3015. Karplus, J. P. & Kreidl, A. Totalexstirpation beider Grosshirnhemisphären beim Affen (*Macacus rhesus*). *Zbl. Physiol.*, 1912, 25, 1207–1209. [Abstr.]

3016. Karplus, J. P. & Kreidl, A. Affen ohne Grosshirn. *Wien. klin. Wschr.*, 1912, 25, 107–108. [Mc]

3017. Karplus, J. P. & Kreidl, A. Über Total-exstirpationen einer und beider Grosshirnhemisphären an Affen (*Macacus rhesus*). *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1914, 155–212, pls. 1–3. [28f: Mc]

3017a. Magnus, R. Körperstellung und Labyrinthreflexe beim Affen. *Pflüg. Arch. ges. Physiol.*, 1922, 193, 396–448. [5f: C-p C-c Mc]

3017b. Magnus, R. Tonische Hals- und Labyrinthreflexe auf die Körpermuskeln beim dezerebrierten Affen. *Arch. néerl. Physiol.*, 1918, 2, 484–488. [++ C-c]

3018. Reisinger, L. Kurzer Rückblick auf die bisherigen Resultate der totalen und halbseitigen Grosshirnexstirpation bei Säugetieren. *Naturw. Wschr.*, 1918, 33, 625–629. [++ 11r-review]

3019. Sherrington, C. S. Decerebrate rigidity, and reflex coordination of movements. *J. Physiol.*, 1897–98, 22, 319–332. [++ 3f: Mc]

3020. Walker, A. E. & Fulton, J. F. Hemidecortication in chimpanzee, baboon, macaque,

potto, cat and coati: a study in encephalization. *J. nerv. ment. Dis.*, 1938, 87, 677–700. [5f-10r: Pn Mc Pp Prdt]

See also: 2255a.

CORTICAL EXCITABILITY & ELECTRICAL ACTIVITY

3021. Adrian, E. D. The Berger rhythm in the monkey's brain. *J. Physiol.*, 1936, 87, Proc., 83–84. [6r: Mc]

3022. Adrian, E. D. The spread of activity in the cerebral cortex. *J. Physiol.*, 1936, 88, 127–161. [++ 30f-r: Mc]

3023. Boynton, E. P. & Hines, Marion. On the question of threshold in stimulation of the motor cortex. *Amer. J. Physiol.*, 1933, 106, 175–182. [++ Mc]

3024. Brown, T. Graham. Studies in the physiology of the nervous system. XXII.: On the phenomenon of facilitation. 1: Its occurrence in reactions induced by stimulation of the "motor" cortex of the cerebrum in monkeys. *Quart. J. exp. Physiol.*, 1915, 9, 81–99, 6 pls. [8f: Pn C-p Mc]

3024a. Brown, T. Graham. Studies in the physiology of the nervous system. XXIII.: On the phenomenon of facilitation. 2: Its occurrence in response to subliminal cortical stimuli in monkeys. *Quart. J. exp. Physiol.*, 1915, 9, 101–116, 4 pls. [1f: Pn C-p]

3025. Brown, T. Graham. Studies in the physiology of the nervous system. XXIV.: On the phenomenon of facilitation. 3: "Secondary facilitation" and its location in the cortical mechanism itself in monkeys. *Quart. J. exp. Physiol.*, 1915, 9, 117–130, 2 pls. [4f: C-p Mc]

3025a. Brown, T. Graham. Studies in the physiology of the nervous system. XXV.: On the phenomenon of facilitation. 4: Its occurrence in the subcortical mechanism by the activation of which motor effects are produced on artificial stimulation of the "motor" cortex. *Quart. J. exp. Physiol.*, 1915, 9, 131–145, 1 pl. [+++ 7f: Pn C-p Mc]

3025b. Brown, T. Graham. Studies in the physiology of the nervous system. XXVI.: On the phenomenon of facilitation. 5: Additional note on "secondary facilitation" in the cortical motor mechanism in monkeys. *Quart. J. exp. Physiol.*, 1916, 10, 97–102. [1f: C-p]

3025c. Brown, T. Graham. Studies in the physiology of the nervous system. XXVII.: On the phenomenon of facilitation. 6: The motor activation of parts of the cerebral cortex other than those included in the so-called "motor" areas in monkeys [excitation of the post-central gyrus]; with a note on the theory of cortical localisation of function. *Quart. J. exp. Physiol.*, 1916, 10, 103–143, 4 pls. [10f: Pn C-p Mc]

3026. Brown, T. Graham & Sherrington, C. S. On the instability of a cortical point. *Proc. roy. Soc.*, 1912, B, 85, 250-277.

[+++ 22f: Pn C-p Mc Pp]

3026a. Cooper, Sybil & Denny-Brown, D. Responses to rhythmical stimulation of the cerebral cortex.—Preliminary communication. *Proc. roy. Soc.*, 1926, B, 100, 251-257, pls. 6-7.

[+++ 1t: C-p Mc]

3026b. Cooper, Sybil & Denny-Brown, D. Responses to stimulation of the motor area of the cerebral cortex. *Proc. roy. Soc.*, 1927, B, 102, 222-236, pls. 17-18.

[+++ Mc]

3027. Dusser de Barenne, J. G. Welche Elemente der Grosshirnrinde bringen bei ihrer elektrischen Reizung die motorischen Reaktionen hervor? *Pflüg. Arch. ges. Physiol.*, 1933, 233, 529-536.

[+++ 3f: Mc]

3028. Dusser de Barenne, J. G. The disturbances after laminar thermocoagulation of the motor cerebral cortex. *Brain*, 1934, 57, 517-526.

[+++ 2f-7r: Mc]

3029. Dusser de Barenne, J. G. Origin of motor reactions produced by electrical stimulation of the cerebral cortex. *Arch. Neurol. Psychiat.*, Chicago, 1934, 31, 1129-1138.

[+++ 4f-1t: Mc]

3030. Dusser de Barenne, J. G. & McCulloch, W. S. An "extinction" phenomenon on stimulation of the cerebral cortex. *Proc. Soc. exp. Biol.*, N. Y., 1934, 32, 524-527.

[+++ 1f: Mc]

3031. Dusser de Barenne, J. G. & McCulloch, W. S. Some effects of laminar thermocoagulation upon the local action potentials of the cerebral cortex of the monkey. *Amer. J. Physiol.*, 1936, 114, 692-694.

[3f-6r: Mc]

3032. Dusser de Barenne, J. G. & McCulloch, W. S. Functional boundaries in the sensorimotor cortex of the monkey. *Proc. Soc. exp. Biol.*, N. Y., 1936, 35, 329-331.

[1f: monkey]

3033. Dusser de Barenne, J. G. & McCulloch, W. S. Local stimulatory inactivation within the cerebral cortex, the factor for extinction. *Amer. J. Physiol.*, 1937, 118, 510-524.

[+++ 13f-r: Mc]

3034. Dusser de Barenne, J. G. & McCulloch, W. S. Functional organization in the sensory cortex of the monkey (*Macaca mulatta*). *J. Neurophysiol.*,* 1938, 1, 69-85.

[9f-9r: Mc]

3035. Dusser de Barenne, J. G. & McCulloch, W. S. The direct functional interrelation of sensory cortex and optic thalamus. *J. Neurophysiol.*,* 1938, 1, 176-186.

[+++ 4f-9r: Mc]

3036. Dusser de Barenne, J. G., McCulloch, W. S. & Nims, L. F. Changes of hydrogen ion concentration of the cerebral cortex. *Proc. Soc. exp. Biol.*, N. Y., 1937, 36, 462-464.

[1f: Mc monkey]

3037. Dusser de Barenne, J. G., McCulloch, W. S. & Nims, L. F. Functional activity and pH of the cerebral cortex. *J. cell. comp. Physiol.*, 1937, 10, 277-289.

[+++ 7f-8r: Mc]

3038. Dusser de Barenne, J. G., McCulloch, W. S. & Ogawa, T. Functional organization in the face-subdivision of the sensory cortex of the monkey (*Macaca mulatta*). *J. Neurophysiol.*,* 1938, 1, 436-441.

[3f-3r: Mc]

3039. Dusser de Barenne, J. G. & Marshall, C. On a release-phenomenon in electrical stimulation of the "motor" cerebral cortex. *Science*, 1931, n.s., 73, 213-214.

[+]

3039a. Dusser de Barenne, J. G., Marshall, C. S., McCulloch, W. S. & Nims, L. F. Observations on the pH of the arterial blood, the pH and the electrical activity of the cerebral cortex. *Amer. J. Physiol.*, 1938, 124, 631-636.

[+++ 4f: monkey]

3040. Franz, S. I. Variations in distribution of the motor centers. *Psychol. Monogr.*, 1915, 19, no. 1, 80-162.

[+++ 11f-14r: Mc]

3041. Horsley, V. & Schäfer, E. A. Experiments on the character of the muscular contractions which are evoked by excitation of the various parts of the motor tract. *J. Physiol.*, 1886, 7, 96-110, pl. 5.

[+ 1t: monkey]

3042. Sherrington, C. S. Further experimental note on the correlation of action of antagonistic muscles. *Proc. roy. Soc.*, 1893, 53, 407-420.

[+ monkey]

3043. Sherrington, C. S. Stimulation of the motor cortex in a monkey subject to epileptiform seizures. *Brain*, 1918, 41, 48-49.

[Mc]

3044. Sherrington, C. S. Quantitative management of contraction in lowest level co-ordination. *Brain*, 1931, 54, 1-28.

[+ 12f-56r: Mc]

3045. Tilney, F. & Pike, F. H. Muscular co-ordination experimentally studied in its relation to the cerebellum. *Arch. Neurol. Psychiat.*, Chicago, 1925, 13, 289-334.

[+ 23f-14r: Ceb]

3046. Vogt, Marthe. Reizphysiologische Untersuchungen an Säugetieren. *J. Psychol. Neurol.*, Lpz., 1933, 45, 298-361.

[+ 28f-7t: Affe]

3047. Wyss, O. A. M. & Obrador, S. Adequate shape and rate of stimuli in electrical stimulation of the cerebral motor cortex. *Amer. J. Physiol.*, 1937, 120, 42-51.

[+++ 1f-20r: Mc Pp]

See also: 2184, 3021, 3022, 3031, 3096, 3303, 3033, 3034, 3057, 3065, 3137, 3171, 3188a, 3237, 3247.

Cortical Localization: Psychomotor Functions

FRONTAL LOBES—STIMULATION

3048. von Bechterew, W. Untersuchungsergebnisse betreffend die Erregbarkeit des hinteren Abschnittes des Stirnlappens. *Arch. Anat. Physiol.*, Lpz., *Physiol. Abt.*, 1899, 500-503.

[+ Affe]

3049. **Beevor, C. E. & Horsley, V.** A minute analysis (experimental) of the various movements produced by stimulating in the monkey different regions of the cortical centre for the upper limb, as defined by Professor Ferrier. *Philos. Trans.*, 1887, **B**, 178, 153-167, pl. 7. [3t: Mc]
3050. **Beevor, C. E. & Horsley, V.** A further minute analysis by electric stimulation of the so-called motor region of the cortex cerebri in the monkey (*Macacus sinicus*). *Philos. Trans.*, 1888, **B**, 179, 205-256, pls. 40-42. [15f-nt: Mc]
3051. **Beevor, C. E. & Horsley, V.** A record of the results obtained by electrical stimulation of the so-called motor cortex and internal capsule in an orang-outang (*Simia satyrus*). *Philos. Trans.*, 1890, **B**, 181, 129-158, pls. 16-21. [4f-5t: Png]
3052. **Beevor, C. E. & Horsley, V.** A further minute analysis by electric stimulation of the so-called motor region (facial area) of the cortex cerebri in the monkey (*Macacus sinicus*). *Philos. Trans.*, 1894, **B**, 185, 39-81, pls. 8-9. [vnt: Mc]
3053. **Brown, T. Graham & Sherrington, C. S.** Observations on the localisation in the motor cortex of the baboon ("*Papio anubis*"). *J. Physiol.*, 1911, **43**, 209-218. [3f-1t: Pp]
3054. **Bucy, P. C.** Electrical excitability and cyto-architecture of the premotor cortex in monkeys. *Arch. Neurol. Psychiat., Chicago*, 1933, **30**, 1205-1225. [6f-r: Pn Hyl Mc Pp]
3055. **Bucy, P. C.** Representation of ipsilateral extremities in the cerebral cortex. *Science*, 1933, **n.s.**, **78**, 418. [Pn Mc Pp]
3056. **Bucy, P. C.** The relation of the premotor cortex to motor activity. *J. nerv. ment. Dis.*, 1934, **79**, 621-630. [2f-24r: Pn Hyl Mc Pp]
3057. **Bucy, P. C. & Fulton, J. F.** Ipsilateral representation in the motor and premotor cortex of monkeys. *Brain*, 1933, **56**, 318-342. [9f-25r: Pn Hyl Mc Pp]
3058. **Fulton, J. F. & Dusser de Barenne, J. G.** The representation of the tail in the motor cortex of primates, with special reference to spider monkeys. *J. cell. comp. Physiol.*, 1933, **2**, 399-426. [12f-17r: Ceb Lag Atl]
3059. **Grünbaum, A. S. F. & Sherrington, C. S.** Observations on the physiology of the cerebral cortex of some of the higher apes. (Preliminary communication.) *Proc. roy. Soc.*, 1901, **69**, 206-208, pl. 4.—Addendum on the pyramidal tracts by C. S. Sherrington, p. 209. [Gr Pn Png]
3060. **Grünbaum, A. S. F. & Sherrington, C. S.** Observations on the physiology of the cerebral cortex of the anthropoid apes. *Proc. roy. Soc.*, 1903, **72**, 152-155. [1f: Pn Png]
3061. **Hitzig, Eduard.** Über Localisation psychischer Centren in der Hirnrinde. *Z. Ethn.*, 1874, **6**, Verh., 42-51. [+++ 4f-3r: Mc]
3062. **Hitzig, Eduard.** *Untersuchungen über das Gehirn.* Berlin: A. Hirschwald, 1874, vi, 276 pp. [Affe]
3063. **Horsley, V. & Schäfer, E. A.** Experimental researches in cerebral physiology. I. On the functions of the marginal convolution. (Preliminary communication.) *Proc. roy. Soc.*, 1884, **36**, 437-442. Abstr.: *Brain*, 1885, **8**, 98-101. [+++ 1f: Mc]
3064. **Jolly, W. A. & Simpson, S.** The functions of the Rolandic cortex in monkeys. *Proc. roy. Soc. Edinb.*, 1907, **27**, 64-78. [2f: C-p Mc]
3065. **Leyton, A. S. F. & Sherrington, C. S.** Observations on the excitable cortex of the chimpanzee, orang-utan, and gorilla. *Quart. J. exp. Physiol.*, 1917, **11**, 135-222. [30f-t-44r: Gr Pn Png Mc]
- 3065a. **Luciani, L. & Tamburini, A.** Ricerche sperimentali sulle funzioni del cervello. I^a. Comunicazione: centri psico-motori corticali. *Riv. sper. Freniat.*, 1878, **4**, 69-89, 224-279, pl. 3. [+ 3f-see no. 3069: Mc]
3066. **Mott, F. W. & Halliburton, W. D.** Localisation of function in the lemur's brain. *Proc. roy. Soc.*, 1908, **B**, **80**, 136-147, pls. 2-4. [Lm]
3067. **Mott, F. W. & Schaefer, E. A.** On associated eye-movements produced by cortical faradization of the monkey's brain. *Brain*, 1890 **13**, 165-173. [1f: monkey]
3068. **Munk, H.** Über die Ausdehnung der Sinnessphären in der Grosshirnrinde. Zweite Mittheilung. *S. B. preuss. Akad. Wiss.*, 1900, (2), 770-793. [+ nr: Affe]
3069. **Rabagliati, A.** Luciani and Tamburini on the functions of the brain. Ricerche sperimentali sui centri psico-motori corticali dei professori Luigi Luciani e Augusto Tamburini. 1878. *Brain*, 1879, **1**, 529-544. An English review of no. 3065a. [1f: monkey]
3070. **Roaf, H. E. & Sherrington, C. S.** Experiments in examination of the 'locked-jaw' induced by tetanus toxin. *J. Physiol.*, 1906, **34**, 315-331. [+++ 4f: Png C-p Mc]
3072. **Rothmann, M.** Ueber elektrische Reizung der Extremitätenregion. *Neurol. Zbl.*, 1904, **23**, 668-672. [++ Affe]
3074. **Schaefer, E. A.** Über die motorischen Rindencentren des Affen-Gehirns. In: *Beiträge zur Physiologie. Carl Ludwig zu seinem siebzigsten Geburtstag gewidmet von seinen Schülern.* Leipzig: F. C. W. Vogel, 1887, pp. 269-286. [5f: Mc]
3075. **Semon, F. & Horsley, V.** An experimental investigation of the central motor innervation of the larynx. Part I.—Excitation-experiments. *Philos. Trans.*, 1890, **B**, **181**, 187-211, pls. 31-32. [++ Mc]
3076. **Vogt, C. & Vogt, O.** Zur Kenntnis der elektrisch erregbaren Hirnrindengebiete bei den Säugetieren. *J. Psychol. Neurol., Lpz.*, 1907, **8**, ErgH., 276-456, 9 pls. [++ 2t-nr: Png C-p C-c Mc Pp Ceb Atl Al Hap Lm]
3077. **Völsch, M.** Ein Rindenreizungsversuch an einem Halbaffen. *M Schr. Psychiat. Neurol.*, 1906, **20**, 470-471. [1f: Lm]

3078. Walker, A. E. & Green, H. D. Electrical excitability of the motor face area: a comparative study in primates. *J. Neurophysiol.*,* 1938, 1, 152-165. [6f-16r: Pn C-c Mc Pp Atl]

3079. Wyss, O. A. M. On an ipsilateral motor effect from cortical stimulation in the macaque monkey. *J. Neurophysiol.*,* 1938, 1, 125-126. [4r: Mc]

See also: 1544, 1930, 1939, 1940, 1941, 2027, 2184, 2595, 2596, 2963, 2975, 2983, 2986, 2988, 2989, 2990, 2992, 2995, 3023, 3034, 3040, 3042, 3043, 3044, 3045, 3046, 3047, 3082, 3087, 3101, 3107, 3121, 3122, 3123, 3128, 3130, 3131, 3135, 3137, 3182, 3185, 3237, 3238, 3240, 3241, 3242, 3248, 3270, 3272, 4015.

Psychomotor functions

FRONTAL LOBES—ABLATION

3080. Biedl, A. [Extirpation der beiderseitigen motorischen Rindengebiete beim Affen.] *Wien. klin. Wschr.*, 1897, 10, 635-637. [Affen]

3081. Flood, E., & Schäfer, [E. A.] [Short report on ablation experiments on the facial area of *Macacus rhesus*.] *Brit. med. J.*, 1894, (2), 189. [Abstr.: Mc]

3082. Fulton, J. F. Paralysis of cortical origin. A physiological analysis of flaccid and spastic states in monkeys and chimpanzees. *Proc. Calif. Acad. Med.*, 1933-34, 1-20. [4f-29r-lecture: Pn Png Hyl Mc Pp]

3083. Fulton, J. F. Forced grasping and groping in relation to the syndrome of the premotor area. *Arch. Neurol. Psychiat., Chicago*, 1934, 31, 221-235. [+++ 3f-r: Pn Mc Pp]

3083a. Fulton, J. F. & Dow, R. S. Postural neck reflexes in the labyrinthectomized monkey and their effect on the grasp reflex. *J. Neurophysiol.*,* 1938, 1, 455-462. [4f: C-p Mc Pp]

3084. Fulton, J. F., Jacobsen, C. F. & Kennard, Margaret A. A note concerning the relation of the frontal lobes to posture and forced grasping in monkeys. *Brain*, 1932, 55, 524-536. [5f-18r: C-p Mc Thr-p]

3085. Fulton, J. F. & Kennard, Margaret A. A study of flaccid and spastic paralysis produced by lesions of the cerebral cortex in primates. *Res. Publ. Ass. nerv. ment. Dis.*, 1932 [1934], 13, 158-210. [13f-31r: Pn Hyl Mc Pp]

3086. Green, H. D. & Walker, A. E. The effects of ablation of the cortical motor face area in monkeys. *J. Neurophysiol.*,* 1938, 1, 262-280. [6f-1t-nr: Mc]

3087. Hines, Marion. The "motor" cortex. *Johns Hopk. Hosp. Bull.*, 1937, 60, 313-336. [+++ nr: Mc]

3088. Jacobsen C. F. The influence of motor and premotor area lesions upon the retention of skilled movements in monkeys and chimpanzees. *Res. Publ. Ass. nerv. ment. Dis.*, 1932 [1934], 13, 225-247. [1f-2t-13r: Pn Mc]

3089. Jacobsen, C. F. & Haslerud, G. M. A note on the effect of motor and premotor area lesions on delayed response in monkeys. *Comp. Psychol. Monogr.*, 1936, 13, no. 3, 66-68. [2f: Mc]

3090. Kennard, Margaret A. Age and other factors in motor recovery from precentral lesions in monkeys. *Amer. J. Physiol.*, 1936, 115, 138-146. [3f-1t-12r: Mc]

3091. Kennard, Margaret A. Reorganization of motor function in the cerebral cortex of monkeys deprived of motor and premotor areas in infancy. *J. Neurophysiol.*,* 1938, 1, 477-496. [10f-12r: Mc]

3092. Kennard, Margaret A. & Ectors, L. Forced circling in monkeys following lesions of the frontal lobes. *J. Neurophysiol.*,* 1938, 1, 45-54. [2f-27r: Mc]

3093. Kennard, Margaret A. & Fulton, J. F. The localizing significance of spasticity, reflex grasping, and the signs of Babinski and Rossolimo. *Brain*, 1933, 56, 213-225. [+++ 2f-1t-21r: Pn]

3094. Lashley, K. S. Studies of cerebral function in learning. V. The retention of motor habits after destruction of the so-called motor areas in primates. *Arch. Neurol. Psychiat., Chicago*, 1924, 12, 249-276. Abstr.: *Proc. Soc. exp. Biol., N. Y.*, 1922, 20, 121. [20f-3t-nr: monkey]

3095. Lewy, F. H. Zur Frage der cerebralen Muskelatrophie. *Pflüg. Arch. ges. Physiol.*, 1911, 137, 511-514. [+++ Mc]

3096. McKinley, J. C. & Berkwitz, N. J. Rigidity following ablation of the motor cortex in monkeys. *J. nerv. ment. Dis.*, 1933, 78, 604-626. [8f-1t-24r: Mc]

3097. Munk, H. Über die Fühlspähren der Grosshirnrinde. Erste Mittheilung. *S. B. preuss. Akad. Wiss.*, 1892, (2), 679-723, pl. 7. [++ Affe]

3098. Munk, H. Über die Fühlspähren der Grosshirnrinde. Zweite Mittheilung. *S. B. preuss. Akad. Wiss.*, 1893, (2), 759-781. [+++ Mc]

3099. Munk, H. Über die Fühlspähren der Grosshirnrinde. Dritte Mittheilung. *S. B. preuss. Akad. Wiss.*, 1894, (2), 823-833. [+++ Mc]

3100. Munk, H. Ueber die Contracturen nach Grosshirnerkrankungen. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1895, 564-570. [Abstr.]

3101. Munk, H. Über die Fühlspähren der Grosshirnrinde. Fünfte Mittheilung. *S. B. preuss. Akad. Wiss.*, 1896, (2), 1131-1159. [+ nr: Affe]

3102. Richter, C. P. & Hines, Marion. The production of the "grasp reflex" in adult macaques by experimental frontal lobe lesions. *Res. Publ. Ass. nerv. ment. Dis.*, 1932 [1934], 13, 211-224. [Mc]

3103. Richter, C. P. & Hines, Marion. Increased spontaneous activity produced in monkeys by brain lesions. *Brain*, 1938, 61, 1-16. [7f-3t-14r: monkey]

3104. Schick, W. Reflex changes after injury to the pyramidal tract in the macaque, gibbon and chimpanzee. *Arch. Neurol. Psychiat., Chicago*, 1933, 30, 501-513. [Pn Hyl Mc]

3105. Trendelenberg, W. Untersuchungen über reizlose vorübergehende Ausschaltung am Zentralnervensystem. III. Mitteilung. Die Extremitätenregion der Grosshirnrinde. *Pflüg. Arch. ges. Physiol.*, 1911, 137, 515-544. [++ 14f-3t: Affe]

See also: 2044, 2722, 2983, 2987, 2987a, 2988, 2989, 2990, 2995, 3010, 3012, 3056, 3058, 3065, 3065a, 3066, 3068, 3069, 3082, 3140, 3144, 3145, 3171, 3171a, 3174, 3175, 3176, 3185, 3210, 3219, 3251, 3255, 4015.

Psychomotor functions

FRONTAL LOBES—ASSOCIATION AREAS

3106. Bianchi, L. The functions of the frontal lobes. *Brain*, 1895, 18, 497-522, 2 pls. [++++]

3107. Bianchi, Leonardo. *The mechanism of the brain and the function of the frontal lobes*. Edinburgh: E. & S. Livingstone, 1922, 348 pp. [++ vnr: Mc Pp Ceb]

3108. Finan, J. L. Effects of frontal lobe lesions on temporally organized behavior in monkeys. *J. Neurophysiol.*,* 1939, 2, 208-226. [6f-2t-45r: C-c]

3109. Franz, S. I. On the functions of the cerebrum: the frontal lobes. *Arch. Psychol.*, N. Y., 1907, 1, no. 2, 64 pp. Abstr.: *Brain*, 1907, 30, p. 568. [++ 21f-r: Mc Ceb]

3110. Fulton, J. F. & Jacobsen, C. F. The functions of the frontal lobes, a comparative study in monkeys, chimpanzees and man. *Advances modern Biol., Moscow*, 1935, 4, 113-123. [3f-50r-review: Pn C-p]

3111. Jacobsen, C. F. A study of cerebral function in learning. The frontal lobes. *J. comp. Neurol.*, 1931, 52, 271-340. [++++ 24f-21t-13r: Mc]

3112. Jacobsen, C. F. Functions of frontal association area in primates. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 558-569. [3f: C-c]

3113. Jacobsen, C. F. The functions of the frontal association areas in monkeys. *Comp. Psychol. Monogr.*, 1936, 13, no. 3, 1-60. [6f-6t-57r: C-c Mc Pp]

3114. Jacobsen, C. F. & Nissen, H. W. Studies of cerebral function in primates. IV. The effects of frontal lobe lesions on the delayed alternation habit in monkeys. *J. comp. Psychol.*, 1937, 23, 101-112. [4f-9r: Mc]

3115. Jacobsen, C. F., Wolfe, J. B. & Jackson, T. A. An experimental analysis of the functions of the frontal association areas in primates. *J. nerv. ment. Dis.*, 1935, 82, 1-14. [4f: Pn Mc]

3116. Messimy, R. Les effets, chez le singe, de l'ablation des lobes préfrontaux. *Rev. neurol.*, 1939, 71, 1-37. [9f-125r: C-c Mc]

3117. Messimy, R. & Finan, J. Les effets, chez le singe, de l'ablation des lobes préfrontaux. Modifications de l'activité et du mode réactionnel. *C. R. Soc. Biol., Paris*, 1937, 126, 201-203. [C-c]

3118. Messimy, R., & Finan, J. Les effets, chez le singe, de l'ablation des lobes préfrontaux. Modifications des réflexes, notamment des réflexes de posture. Modifications du système autonome. *C. R. Soc. Biol., Paris*, 1937, 126, 203-206. [C-c]

3119. Munk, H. Über die Ausdehnung der Sinnessphären in der Grosshirnrinde. Dritte Mitteilung (Schluss). *S. B. preuss. Akad. Wiss.*, 1901, (2), 1149-1183. [++ Affe]

3120. Sciamanna, E. Relazione sulla scimmia operata dal professore Bianchi. *11th. Int. Congr. Med., Roma*, 1894, 4, 155-158.

See also: 2987a, 3140.

Psychomotor functions

OCCIPITAL, PARIETAL & TEMPORAL LOBES

3121. Bárány, R., Vogt, C. & Vogt, O. Zur reizphysiologischen Analyse der kortikalen Augenbewegungen. *J. Psychol. Neurol., Lpz.*, 1923, 30, 87-121. [+++ 8f: Mc]

3122. von Bechterew, W. Ueber corticale Centra beim Affen. *Neurol. Zbl.*, 1898, 17, 139-140. [Abstr.: Mc]

3123. v. Bechterew, W. Die Resultate der Untersuchungen mit Reizung von hinteren Partien der Hirnhemisphären und des Frontalappens bei Affen. *Neurol. Zbl.*, 1898, 17, 720. [++ Abstr.]

3124. von Bechterew, W. Ueber pupillenverengernde und Accommodationscentra der Gehirnrinde. *Neurol. Zbl.*, 1900, 19, 386-388. [++ Affe]

3125. v. Bechterew, [W.]. Das corticale Sehfeld und seine Beziehungen zu den Augenmuskeln. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1905, 53-93. [++ Affe]

3126. Bernheimer, S. Die Gehirnbahnen der Augenbewegungen. *v. Graefes Arch. Ophthal.*, 1903, 57, 363-376, pl. 10. [++ 1f: Pp]

3127. Breslaw, B., Barrera, S. E. & Warden, C. J. The effect of removal of the post-central convolution of the *Macacus rhesus* monkey upon the delayed response. *J. comp. Psychol.*, 1934, 18, 207-226. [4f-3t-32r: Mc]

3128. Brodman, K. Physiologische Differenzen der vorderen und hinteren Zentralwindung. *Neurol. Zbl.*, 1905, 24, 1158-1160. [+++ Abstr.: C-c]

3129. Jacobsen, C. F. & Elder, J. H. The effect of temporal lobe lesions on delayed response in monkeys. *Comp. Psychol. Monogr.*, 1936, 13, no. 3, 61-65. [2f-3r: Pp]

3130. Levinsohn, G. Über die Beziehungen der Grosshirnrinde beim Affen zu dem Bewegungen des Auges. *v. Graefes Arch. Ophthalm.*, 1909, 71, 313-378, pls. 14-15. [10f-2t: C-p Mc]

3131. Lewandowsky, M. & Simons, A. Zur Physiologie der vorderen und der hinteren Zentralwindung. *Pflüg. Arch. ges. Physiol.*, 1909, 129, 240-254. [+++ 2f: Affe]

3132. Lewandowsky, M. & Simons, A. Über die elektrische Erregbarkeit der vorderen und der hinteren Zentralwindung. *Z. ges. Neurol. Psychiat.*, 1913, Orig., 14, 276-280. [+++ Affe]

3133. Munk, H. Of the visual area of the cerebral cortex, and its relation to eye movements. *Brain*, 1890, 13, 45-70, 3 pls. [++ 19r: monkey]

3134. Parsons, J. H. On dilatation of the pupil from stimulation of the cortex cerebri. *J. Physiol.*, 1901, 26, 366-379. [+ 2f-16r: monkey]

3135. Rothmann, M. Ueber die elektrische Erregbarkeit der Zentralwindungen. *Msch. Psychiat. Neurol.*, 1912, 32, 489-502. [+++ 3f: Mc]

3136. Schäfer, E. A. On electrical excitation of the occipital lobe and adjacent parts of the monkey's brain. *Proc. roy. Soc.*, 1888, 43, 408-410. [Abstr.]

3137. Schäfer, E. A. A comparison of the latency periods of the ocular muscles on excitation of the frontal and occipitotemporal regions of the brain. *Proc. roy. Soc.*, 1888, 43, 411-412. [Abstr.]

3138. Schäfer, E. A. Experiments on the electrical excitation of the visual area of the cerebral cortex in the monkey. *Brain*, 1888, 11, 1-6. [monkey]

See also: 1939, 1940, 2027, 2184, 2986, 2988, 2995, 3026, 3032, 3033, 3034, 3035, 3038, 3046, 3049, 3050, 3051, 3059, 3060, 3063, 3065, 3067, 3069, 3072, 3074, 3075, 3076, 3091, 3101, 3270.

Cortical Localization: Automatic Functions

3139. Crouch, R. L. & Thompson, J. K. Autonomic functions of the cerebral cortex. *J. nerv. ment. Dis.*, 1939, 89, 328-334. [++ 3f: Mc]

3140. Fulton, J. F. Some functions of the cerebral cortex. Beaumont Foundation Lectures. I. Autonomic representation in the cerebral cortex. *J. Mich. med. Soc.*, 1934, 33, 175-182. II. The frontal lobes. *Ibid.*, 1934, 33, 235-243. [++ 61r: Pn Mc Pp]

3141. Green, H. D. & Hoff, E. C. Effects of faradic stimulation of the cerebral cortex on limb and renal volumes in the cat and monkey. *Amer. J. Physiol.*, 1937, 118, 641-658. [++ 4f-22r: monkey]

3142. Hoff, E. C. & Green, H. D. Cardiovascular reactions induced by electrical stimulation of the cerebral cortex. *Amer. J. Physiol.*, 1936, 117, 411-422. [++ 6f-r: Pn Mc]

3143. Kennard, Margaret A. Vasomotor representation in the cerebral cortex. *Science*, 1934, n.s., 79, 348-349. [Pn monkey]

3144. Kennard, Margaret A. Vasomotor disturbances resulting from cortical lesions. *Arch. Neurol. Psychiat.*, Chicago, 1935, 33, 537-545. [+++ 3f: monkey]

3145. Pinkston, J. O. & Rioch, D. McK. The influence of the cerebral cortex on peripheral circulation. *Amer. J. Physiol.*, 1938, 121, 49-54. [2f: Mc]

3146. Sheehan, D. The effect of cortical stimulation on gastric movements in the monkey. *J. Physiol.*, 1934, 83, 177-184. [2f: Mc]

3147. Watts, J. W. The influence of the cerebral cortex on gastro-intestinal movements. *J. Amer. med. Ass.*, 1935, 104, 355-357. [+ monkey]

3148. Watts, J. W. & Fulton, J. F. Intussusception—the relation of the cerebral cortex to intestinal motility in the monkey. *New Engl. J. Med.*, 1934, 210, 883-896 and 925. [2f-40r: C-p Mc]

3149. Weber, E. Über den Einfluss der Lebensweise und Fortbewegungsart auf die Beziehungen zwischen Hirnrinde und Blutdruck. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1906, Suppl. Bd., 309-327. [+ 14f: Affe]

See also: 2184, 2602, 2718, 2722, 2990, 3042, 3083, 3116, 3118, 3121, 3122, 3124, 3125, 3134, 3219.

Cortical Localization: Sensory Functions

GENERAL & COMPREHENSIVE

3150. Luciani, L. On the sensorial localisations in the cortex cerebri. *Brain*, 1884, 7, 145-160, 1 pl. [++ monkey]

3151. Luciani, L. & Tamburini, A. Ricerche sperimentali sulle funzioni del cervello. II. Comunicazione. Centri psico-sensori corticali. *Riv. sper. Freniat.*, 1879, 5, 1-76. Engl. abstr.: *Brain*, 1879-80, 2, 234-250. [+ 6f-nr: scimie]

3152. Rabagliati, A. Luciani and Tamburini on the functions of the brain. The psycho-sensory cortical centres. 'Sulle funzioni del cervello. Ricerche sperimentali dei Professori Luigi Luciani e Augusto Tamburini. Seconda Comunicazione: Centri psico-sensori corticali. 8vo. pp. 78. Reggio-Emilia. 1879. *Brain*, 1879, 2, 234-250. [1f: monkey]

3153. Mott, F. W. The physiological significance of the convolitional pattern in the primates. *Brit. med. J.*, 1906, (2), 1801-1804.

[5f: Pn Png Hyl Mc Lm]

3154. Schäfer, E. A. Experiments on special sense localisations in the cortex cerebri of the monkey. *Brain*, 1888, 10, 362-380. [6f: Mc]

See also: 2983.

CEREBRAL CORTEX & VISION

3155. Franz, S. I. & Lafora, G. R. On the functions of the cerebrum: the occipital lobes. *Psychol. Monogr.*, 1911, 13, no. 4, 118 pp.

[+++ 96f-77r: C-p Mc]

3155a. Harlow, H. F. & Settlage, P. H. The effect of application of anesthetic agents on circumscribed motor and sensory areas of the cortex. *J. Psychol., Provincetown*,* 1936, 2, 193-200.

[+++ 1f-10r: Mc]

3156. Klüver, H. An analysis of the effects of the removal of the occipital lobes in monkeys. *J. Psychol., Provincetown*,* 1936, 2, 49-61. [Mc]

3157. Klüver, H. Certain effects of lesions of the occipital lobes in macaques. *J. Psychol., Provincetown*,* 1937, 4, 383-401. [28r: Mc]

3158. Klüver, H. & Bucy, P. C. An analysis of certain effects of bilateral temporal lobectomy in the rhesus monkey, with special reference to "psychic blindness." *J. Psychol., Provincetown*,* 1938, 5, 33-54. [8f-22r: Mc]

3159. Maison, G. L., Grether, W. F. & Settlage, P. H. Monocular color discrimination after unilateral occipital lobectomy in rhesus monkeys. *J. comp. Psychol.*, 1938, 25, 451-455.

[1t-8r: Mc]

3160. Maison, G. L., Settlage, P. & Grether, W. F. Experimental study of macular representation in the monkey. *Arch. Neurol. Psychiat., Chicago*, 1938, 40, 981-984. [4r: Mc]

3161. Marquis, D. G. Effects of removal of the visual cortex in mammals, with observations on the retention of light discrimination in dogs. *Res. Publ. Ass. nerv. ment. Dis.*, 1932 [1934], 13, 558-592.

[+ 6f-2t-142r]

3162. Marquis, D. G. Phylogenetic interpretation of the functions of the visual cortex. *Arch. Neurol. Psychiat., Chicago*, 1935, 33, 807-815.

[+ 1f: monkey]

3163. Marquis, D. G. & Hilgard, E. R. Conditioned responses to light in monkeys after removal of the occipital lobes. *Brain*, 1937, 60, 1-12, pl. 1. [6f-1t: Mc Atl]

3164. Panichi, L. Sulla sede del centro psichico della visione nelle scimmie. *Arch. Sci. med.*, 1903, 27, 141-172, pl. 3. [14r: Mc]

3165. Spence, K. W. & Fulton, J. F. The effects of occipital lobectomy on vision in chimpanzee. *Brain*, 1936, 59, 35-50. [2f-2t-r: Pn]

3166.* Starikov, G. S. Uslovnyie refleksy obezryan do i posle udaleniya 17, 18, i 19 poley kory. (Conditioned reflexes in monkeys before and after the removal of cortical areas 17, 18, and 19.) *Vysshaya Nervnaya Deyatel'nost, Moscow*,* 1929, 80-92. [Psychol. Abstr., 1934, 8, no. 279]

3166a. Thompson, W. G. & Brown, S. The centre for vision, being an investigation into the occipital lobes of the dog, cat and monkey. *Res. Loomis Lab., Med. Dept., N. Y. Univ.*,* 1890, 1, 13-37, 3 pls. [+ 1t-r: Mc]

See also: 2071, 2092, 2983, 2987, 2987a, 2988, 2995, 2996, 3106, 3107, 3125, 3133, 3150, 3151, 3152, 3154, 3167, 3168, 3169, 3170.

CEREBRAL CORTEX & HEARING

3167. Brown, S. Experiments on special sense localizations in the cortex cerebri of the monkey. *Med. Rec. N. Y.*, 1888, 34, 113-115. [6f: Mc]

3168. Brown, S. & Schäfer, E. A. An investigation into the functions of the occipital and temporal lobes of the monkey's brain. *Philos. Trans.*, 1888, B, 179, 303-327, pls. 48-50. [Mc]

3169. Ferrier, D. Schäfer on the temporal and occipital lobes. *Brain*, 1888, 11, 7-30.

[+++ monkey]

3170. Schäfer, E. A. On the functions of the temporal and occipital lobes: a reply to Dr. Ferrier. *Brain*, 1888, 11, 145-165, 2 pls.

[+++ Mc]

See also: 2987, 2987a, 2988, 2995, 3092, 3129, 3150, 3151, 3152, 3154, 3158, 3166, 3388.

CEREBRAL CORTEX & SOMATIC SENSATION

3171. Bard, P. Studies on the cortical representation of somatic sensibility. *Harvey Lect.*, 1937-1938, 143-169. [+++ 26r: Mc]

3171a. Dupuy. Altération des sens et du mouvement après lésion des circonvolutions chez le singe. *C. R. Soc. Biol., Paris*, 1885, 37, 632-633. [singe]

3172. Dusser de Barenne, J. G. Experimental researches on sensory localization in the cerebral cortex of the monkey (*Macacus*). *Proc. roy. Soc.*, 1924, B, 96, 272-291. [9f: Mc]

3173. Dusser de Barenne, J. G. Experimentelle Untersuchungen über die Lokalisation des sensiblen Rindengebietes im Grosshirn des Affen (*Macacus*). *Dtsch. Z. Nervenheilk.*, 1925, 83, 273-301. [9f: Mc]

3173a. Kasdon, Solomon. *Localization of function in the posterior parietal lobe of the chimpanzee: an experimental study by the discrimination method.* M. D. Thesis (unpublished). New Haven: Yale University School of Medicine, 1938, 60 pp.

[8f-8t-91r: Pn]

3174. Minkowski, M. Zur Physiologie der vorderen und hinteren Zentralwindung und der Parietalwindungen. *KorrespBl. schweiz. Ärz.*, 1917, 47, 353-376. [+++ 4f-44r: C-p]

3175. Minkowski, M. Étude sur la physiologie des circonvolutions rolandique et pariétales. *Schweiz. Arch. Neurol. Psychiat.*, 1917, 1, 389-459. [+++ 13f-94r: Mc]

3176. Mott, F. W. The sensory motor functions of the central convolutions of the cerebral cortex. *J. Physiol.*, 1894, 15, 464-487, pl. 12. [+++ Mc]

3177. Munk, H. Über die Ausdehnung der Sinnessphären in der Grosshirnrinde. *S. B. preuss. Akad. Wiss.*, 1899, (2), 936-950. [++ Affe]

3178. Ruch, T. C. & Fulton, J. F. Cortical localization of somatic sensibility. The effect of precentral, postcentral and posterior parietal lesions upon the performance of monkeys trained to discriminate weights. *Res. Publ. Ass. nerv. ment. Dis.*, 1934 [1935], 15, 289-330. [7f-7t-60r: C-c Atl]

3179. Ruch, T. C., Fulton, J. F. & German, W. J. Sensory discrimination in monkey, chimpanzee and man after lesions of the parietal lobe. *Arch. Neurol. Psychiat.*, Chicago, 1938, 39, 919-937. [++ 8f-18r: Pn C-c]

See also: 2983, 2987, 2987a, 2995, 3012, 3020, 3034, 3035, 3038, 3065a, 3081, 3097, 3098, 3101, 3116, 3119, 3128, 3150, 3151, 3154, 3155a, 3191.

Subcortical Structures & the Brain-Stem

CORPUS CALLOSUM, & INTERNAL CAPSULE, &c.

3180. Beevor, C. E. & Horsley, V. An experimental investigation into the arrangement of the excitable fibres of the internal capsule of the bonnet monkey (*Macacus sinicus*). *Philos. Trans.*, 1890, B, 181, 49-88, pls. 5-11. [7f-5t: Mc]

3181. Hartmann, F., Jun. & Trendelenburg, W. Zur Frage der Bewegungsstörungen nach Balkendurchtrennung an der Katze und am Affen. *Z. ges. exp. Med.*, 1927, 54, 578-592. [++ 4f: Mc]

3182. Kennard, Margaret A. & Watts, J. W. The effect of section of the corpus callosum on the motor performance of monkeys. *J. nerv. ment. Dis.*, 1934, 79, 159-169. [14r: C-p Mc Pp]

3183. Lafora, G. R. & Prados y Such, M. Experimentalversuche über die Funktion des Gehirnbalkens. *Z. ges. Neurol. Psychiat.*, 1923, Orig., 84, 617-641. [++ 29f-9r: Mc]

3184. Lévy-Valensi, J. *Le corps calleux. (Étude anatomique, physiologique et clinique.)* Thèse (Med.) Paris, G. Steinheil, 1910, 216 pp., 10 pls. [+ nf-vnr: singe]

3185. Mott, F. W. A report on bilaterally associated movements, and on the functional relations of the corpus callosum to the motor cortex. *Brit. med. J.*, 1890, (1), 1124-1125. [If: monkey]

3186. Mott, F. W. & Schaefer, E. A. On movements resulting from faradic excitation of the corpus callosum in monkeys. *Brain*, 1890, 13, 174-177. [monkey]

3187. Trendelenburg, W. & Hartmann, F. Zur Frage der Bewegungsstörungen nach Balkendurchtrennung. (Untersuchungen an Katzen und Affen.) *Skand. Arch. Physiol.*, 1926, 59, 236-237. [Abstr. of no. 3181]

See also: 2184, 2992, 3041, 3046, 3052, 3075.

BASAL GANGLIA

3188. Brown, T. Graham. Note on the physiology of the basal ganglia and mid-brain of the anthropoid ape, especially in reference to the act of laughter. *J. Physiol.*, 1915, 49, 195-207. [3f: Pn]

3188a. Dusser de Barenne, J. G. & McCulloch, W. S. Sensorimotor cortex, nucleus caudatus and thalamus opticus. *J. Neurophysiol.*,* 1938, 1, 365-377. [+++ 14f-11r: Mc]

3189. Mella, H. The experimental production of basal ganglion symptomatology in *Macacus rhesus*. *Arch. Neurol. Psychiat.*, Chicago, 1924, 11, 405-417. [6f-2t: Mc]

3190. Ranson, S. W. Bilateral destruction of striofugal fibers in the monkey. *Trans. Amer. neurol. Ass.*, 1938, 64, 102-103. [Abstr.: Mc]

See also: 2154, 2986, 2992, 3094, 3103.

THALAMUS

3191. Dusser de Barenne, J. G. Central levels of sensory integration. *Res. Publ. Ass. nerv. ment. Dis.*, 1934 [1935], 15, 274-288. [++ 7f: Mc]

3192. Dusser de Barenne, J. G. & Sager, O. Sensory functions of the optic thalamus of the monkey (*Macacus rhesus*): symptomatology and functional localization investigated with the method of local strychninization. *Arch. Neurol. Psychiat.*, Chicago, 1937, 38, 913-926. [8f: Mc]

See also: 2168, 2184, 2986, 2987, 2988, 2992, 3035, 3188a.

HYPOTHALAMUS

3193. Cleveland, D. & Davis, L. Further studies on the effect of hypothalamic lesions upon carbohydrate metabolism. *Brain*, 1936, 59, 459-465. [+ 4f: monkey]

3193a. Fisher, Charles, Ingram, W. R. & Ranson, S. W. *Diabetes insipidus and the neurohormonal control of water balance: a contribution to*

the structure and function of the hypothalamico-hypophyseal system. Ann Arbor, Mich.: Edwards Brothers, 1938, x, 212 pp.

[+ 71f-26t-vnr: Mc]

3194. Hoff, E. C. & Sheehan, D. Experimental gastric erosions following hypothalamic lesions in monkeys. *Amer. J. Path.*, 1935, 11, 789-802, pls. 113-114. [13r: Mc Ceb]

3195. Ingram, W. R., Fisher, C. & Ranson, S. W. Experimental diabetes insipidus in the monkey. *Arch. intern. Med.*, 1936, 57, 1067-1080. [4f-1t-23r: Mc]

3196. Karplus, J. P. & Kreidl, A. Gehirn und Sympathicus. II. Mitteilung. Ein Sympathicuszentrum im Zwischenhirn. *Pflüg. Arch. ges. Physiol.*, 1910, 135, 401-416, pl. 14. [+ 10f: Mc]

3196a. Light, R. U. & Bysshe, S. M. The administration of drugs into the cerebral ventricles of monkeys: pituitrin, certain pituitary fractions, pitressin, pitocin, histamine, acetyl choline, and pilocarpine. *J. Pharmacol.*, 1933, 47, 17-36. [7r: C-c]

3197. Martin, J. & Schnedorf, J. G. The absence of changes in gastric activity and of gastrointestinal ulceration following hypothalamic lesions in the monkey and cat. *Amer. J. Physiol.*, 1938, 122, 81-85. [++ 1f: monkey]

3198. Ranson, S. W., Fisher, C. & Ingram, W. R. Hypothalamic regulation of temperature in the monkey. *Arch. Neurol. Psychiat., Chicago*, 1937, 38, 445-466. [13f-4t: Mc]

3198a. Ranson, S. W., Fisher, C. & Ingram, W. R. Adiposity and diabetes mellitus in a monkey with hypothalamic lesions. *Endocrinology*, 1938, 23, 175-181. [2f-1t-6r: Mc]

3199. Ranson, S. W. & Ingram, W. R. Hypothalamus and regulation of body temperature. *Proc. Soc. exp. Biol., N. Y.*, 1935, 32, 1439-1441. [++++ 5r: Mc]

3200. Watts, J. W. & Fulton, J. F. The effect of lesions of the hypothalamus upon the gastrointestinal tract and heart in monkeys. *Ann. Surg.*, 1935, 101, 363-372. [5f-r: Mc]

See also: 2231, 2683, 2718, 2230a.

MESENCEPHALON

3201. Bernheimer, S. Die Lage des Sphinctercentrums. Eine experimentelle Studie. *v. Graefes Arch. Ophthalm.*, 1901, 52, 302-316, pls. 6-7. [+++ 1f-r: Mc]

3202. Bernheimer, S. Weitere experimentelle Studien zur Kenntnis der Lage des Sphinkter- und Levator-kerns. *v. Graefes Arch. Ophthalm.*, 1909, 70, 539-562, pls. 15-16. [+++ Affe]

3203. Brown, T. Graham. On postural and non-postural activities of the mid-brain. *Proc. roy. Soc.*, 1913, B, 87, 145-163.

[+++ 6f: C-p Mc C-c]

3204. Brown, T. Graham. On the effect of artificial stimulation of the red nucleus in the anthropoid ape. *J. Physiol.*, 1915, 49, 185-194.

[4f: Pn]

3205. Ferrier, D. & Turner, W. A. Experimental lesion of the corpora quadrigemina in monkeys. *Brain*, 1901, 24, 27-46, 1 pl. [18r: Mc]

3206. Karplus, J. P. & Kreidl, A. Über die Bahn des Pupillarreflexes. (Die reflektorische Pupillenstarre.) *Pflüg. Arch. ges. Physiol.*, 1912, 149, 115-155. [++ 14f-r: Mc]

3207. Keller, A. D. & Hare, W. K. The rubrospinal tracts in the monkey. Effects of experimental section. *Arch. Neurol. Psychiat., Chicago*, 1934, 32, 1253-1272. [5f-2t: monkey]

3208. Levinsohn, G. Beiträge zur Physiologie des Pupillenreflexes. II. *v. Graefes Arch. Ophthalm.*, 1904, 59, 436-458, pl. 17. [+++ 6f: Affe]

3209. Magoun, H. W., Atlas, D., Hare, W. K. & Ranson, S. W. The afferent path of the pupillary light reflex in the monkey. *Brain*, 1936, 59, 234-249. [5f-25r: Mc]

See also: 3188, 3303, 3204, 2252.

CEREBELLUM & ITS PEDUNCLES

3210. Aring, C. D. & Fulton, J. F. Relation of the cerebrum to the cerebellum. II. Cerebellar tremor in the monkey and its absence after removal of the principal excitable areas of the cerebral cortex (areas 4 and 6a, upper part). III. Accentuation of cerebellar tremor following lesions of the premotor area (area 6a, upper part). *Arch. Neurol. Psychiat., Chicago*, 1936, 35, 439-466.

[4f: Mc Pp]

3211. Botterell, E. H. & Fulton, J. F. Functional localization in the cerebellum of primates. I. Unilateral section of the peduncles. *J. comp. Neurol.*, 1938, 69, 31-46. [3f-r: Mc Pp]

3212. Botterell, E. H. & Fulton, J. F. Functional localization in the cerebellum of primates. II. Lesions of midline structures (vermis) and deep nuclei. *J. comp. Neurol.*, 1938, 69, 47-62. [3f: Mc Pp]

3213. Botterell, E. H. & Fulton, J. F. Functional localization in the cerebellum of primates. III. Lesions of hemispheres (neocerebellum). *J. comp. Neurol.*, 1938, 69, 63-87. [3f-r: Mc Pp]

3214. Clarke, R. H. Experimental stimulation of the cerebellum. *Brain*, 1926, 49, 557-569.

[++ 7f: Mc]

3215. Dow, R. S. Effect of lesions in the vestibular part of the cerebellum in primates. *Arch. Neurol. Psychiat., Chicago*, 1938, 40, 500-520. [6f: Pn C-p C-c Mc Pp]

3216. Ferraro, A. & Barrera, S. E. The effects of lesions of the superior cerebellar peduncle in the *Macacus rhesus* monkey. (A preliminary report.) *Bull. neurol. Inst. N. Y.*, 1936, 5, 165-179.

[7f: Mc]

3217. Ferraro, A. & Barrera, S. E. Effects of lesions of the juxtarestiform body (I. A. K. bundle) in *Macacus rhesus* monkeys. *Arch. Neurol. Psychiat., Chicago*, 1936, 35, 13-28. [7f-4r: Mc]

3218. Ferrier, D. & Turner, W. A. A record of experiments illustrative of the symptomatology and degenerations following lesions of the cerebellum and its peduncles and related structures in monkeys. *Philos. Trans.*, 1894, B, 185, 719-778, pls. 64-71. [Mc]

3219. Fulton, J. F. The interrelation of cerebrum and cerebellum in the regulation of somatic and autonomic functions. *Medicine, Baltimore*, 1936, 15, 247-306. [+++ 13f-2t-139r: Pn Mc]

3220. Keller, A. D., Roy, R. S. & Chase, W. P. Extirpation of the neocerebellar cortex without eliciting so-called cerebellar signs. *Amer. J. Physiol.*, 1937, 118, 720-733. [++ 4f-21r: monkey]

3221.* Luciani, Luigi. *Il cervelletto. Nuovi studi fisiologia normale e patologica*. Firenze: successori Le Monnier, 1891, ix, 320 pp. [see no. 3223]

3222. Luciani, Luigi. *Das Kleinhirn. Neue Studien zur normalen und pathologischen Physiologie*. Deutsche Ausgabe besorgt von M. O. Fraenkel. Leipzig: Eduard Besold, 1893, xv, 288 pp. [48f: Affe]

3223. Turner, W. A. I.—Il Cervelletto; nuovi studi di fisiologia normale e pathologica. Per Luigi Luciani. Firenze, 1891. II.—Sull'origine e decorso dei peduncoli cerebellari e sui loro rapporti cogli altri centri nervosi. Per Dr. Vitt. Marchi. Firenze, 1891. *Brain*, 1892, 15, 283-299.

3224. Magoun, H. W., Hare, W. K. & Ranson, S. W. Electrical stimulation of the interior of the cerebellum in the monkey. *Amer. J. Physiol.*, 1935, 112, 329-339. [2f-8r: Mc]

3225. Munk, H. Über die Functionen des Kleinhirns. *S. B. preuss. Akad. Wiss.*, 1906, (1), 443-480. [++ Affe]

3226. Munk, H. Über die Functionen des Kleinhirns. Zweite Mittheilung. *S. B. preuss. Akad. Wiss.*, 1907, (1), 16-32. [+ Affe]

3227. Munk, H. Über die Functionen des Kleinhirns. Dritte Mittheilung (Schluss). *S. B. preuss. Akad. Wiss.*, 1908, (1), 294-326. [+ Affe]

3228. Sachs, E. & Fincher, E. F. Symposium on the cerebellum. (5) Anatomical and physiological observations on lesions in the cerebellar nuclei in *Macacus rhesus*. (Preliminary report.) *Brain*, 1927, 50, 350-356. [9f: Mc]

3228a. Turner, Robert S. *Functional anatomy of the brachium pontis in monkeys*. Ph.D. Thesis (unpublished). New Haven: Yale University, 1938, v, 123 pp., 10 pls. [t-nr: C-c]

3229. Walker, A. E. & Botterell, E. H. The syndrome of the superior cerebellar peduncle in the monkey. *Brain*, 1937, 60, 329-353. [4f: Mc Pp]

3230. Yochelson, Samuel. *The effects of section of the brachium pontis in untrained and trained monkeys*. M. D. Thesis (unpublished). New Haven: Yale University School of Medicine, 1936, 45 pp. [1f-55r: C-c Mc]

See also: 2266, 2267, 2301, 2994, 3019, 3045, 3121, 3207, 3303, 3245.

MEDULLA & PONS

3231. Ferraro, A. & Barrera, S. E. The effects of lesions of the dorsal column nuclei in the *Macacus rhesus*. *Brain*, 1936, 59, 76-99. [9f-12r: Mc]

3232. Ferraro, A. & Barrera, S. E. The effects of lesions of various portions of the vestibular complex in the *Macacus rhesus*. *Trans. Amer. neurol. Ass.*, 1938, 64, 69-72. [Abstr.: Mc]

3233. Ferraro, A., Barrera, S. E. & Blakeslee, G. A. Vestibular phenomena of central origin. (An experimental study in *Macacus rhesus*). *Brain*, 1936, 59, 466-482. [5t-r: Mc]

3234. Kreidl, A. Zur Frage der sekundären Hörbahnen. *Mtschr. Ohrenheilk.*, 1914, 48, 1-14. [+ 26f: Mc]

3235. Spencer, W. G. On the changes evoked in the circulation and respiration by electrical excitation of the floor of the 4th ventricle. *Proc. roy. Soc.*, 1891, 50, 142-143. [++ Abstr.]

3236. Turner, W. A. Results of the experimental destruction of the tubercle of Rolando. *Brain*, 1895, 18, 231-247, 3 pls. [+++ Mc]

See also: 2301, 2596, 2682a, 3239.

MEDULLA—THE PYRAMIDS

3237. Hering, H. E. Ueber Grosshirnrindenreizung nach Durchschneidung der Pyramiden oder anderer Theile des centralen Nervensystems mit besonderer Berücksichtigung der Rindenepilepsie. *Wien. klin. Wschr.*, 1899, 12, 831-833. [++ Mc Pp]

3238. Rothmann, M. Die Erregbarkeit der Extremitätenregion der Hirnrinde nach Ausschaltung cerebrospinaler Bahnen. *Z. klin. Med.*, 1902, 44, 183-217. [++ 2t: Affe]

3239. Rothmann, M. Ueber experimentelle Läsionen des Centralnervensystems am anthropomorphen Affen (Chimpanzen). *Arch. Psychiat. Nervenkr.*, 1904, 38, 1020-1069, pls. 16-17. [Pn]

3240. Rothmann, M. Über die physiologische Wertung der corticospinalen (Pyramiden-) Bahn. Zugleich ein Beitrag zur Frage der elektrischen Reizbarkeit und Funktion der Extremitätenregion der Grosshirnrinde. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1907, 217-275. [+++ 7f-1t: Mc]

3241. Schäfer, E. A. Experiments on the paths taken by volitional impulses passing from the cerebral cortex to the cord: the pyramids and the ventro-lateral descending tracts. *Quart. J. exp. Physiol.*, 1910, 3, 355-373. [+++ Mc]

3242. Schüller, A. Experimentelle Pyramiden-durchschneidung beim Hunde und Affen. *Wien. klin. Wschr.*, 1906, 19, 57-62.

[++ 13r: Mc Pp]

3243. Tower, Sarah S. Pyramidal lesion in the monkey. *Trans. Amer. neurol. Ass.*, 1938, 64, 95-101.

[Abstr.: Mc]

See also: 3073, 3083, 3087.

Spinal Cord

ASCENDING & DESCENDING TRACTS

3244. Ferraro, A. & Barrera, S. E. Effects of experimental lesions of the posterior columns in *Macacus rhesus* monkeys. *Brain*, 1934, 57, 370-332.

[4f-25r: Mc]

3245. Ferraro, A. & Barrera, S. E. The effects of lesions of the dorsal spino-cerebellar tract and corpus restiforme in the *Macacus rhesus* monkey. *Brain*, 1935, 58, 174-202.

[9f-59r: Mc]

3246. Ferrier, D. Hemisection of the spinal cord. *Brain*, 1884, 7, 1-12.

[+++ 1f: monkey]

3247. Fröhlich, A. & Sherrington, C. S. Path of impulses for inhibition under decerebrate rigidity. *J. Physiol.*, 1902, 28, 14-19.

[+ 2f: Mc]

3248. Rothmann, M. Ueber hohe Durchschneidung des Seitenstranges und Vorderstranges beim Affen. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1902, SupplBd., 440-445.

[Abstr.: Affe]

3249. Turner, W. A. On hemisection of the spinal cord. *Brain*, 1891, 14, 496-522.

[+++ 4f-59r: monkey]

See also: 2284, 2320, 3241.

SPINAL TRANSECTION & SPINAL "SHOCK"

3250. Cooper, Sybil & Sherrington, C. S. Degeneration of peripheral nerves after spinal transection in the monkey. *J. Physiol.*, 1932, 77, 18P-19P.

[Abstr.: Mc]

3251. Fulton, J. F. & McCouch, G. P. The relation of the motor area of primates to the hyporeflexia ('spinal shock') of spinal transection. *J. nerv. ment. Dis.*, 1937, 86, 125-146.

[4f-4t-16r: Pn C-p Ery-c Mc Pp]

3252. Fulton, J. F. & Sherrington, C. S. State of the flexor reflex in paraplegic dog and monkey respectively. *J. Physiol.*, 1932, 75, 17-22.

[++ 1f-t: Mc]

3253. Hinsey, J. C. & Markee, J. E. Reflexes in the spinal monkey. *J. comp. Neurol.*, 1938, 69, 471-485.

[1t-29r: Mc]

3254. Jacobsen, C. F. & Kennard, Margaret, A. The influence of ephedrine sulphate on the reflexes of spinal monkeys. *J. Pharmacol.*, 1933, 49, 362-374.

[3f-2t-9r: C-p Mc Pp]

3255. McCouch, G. P. The relation of the pyramidal tract to spinal shock. *Amer. J. Physiol.*, 1924, 71, 137-152.

[+ 5f-nt-10r: Mc]

3256. Sherrington, C. S. On the spinal animal, being the Marshall Hall prize address. *Med.-chir. Trans.*, 1899, 82, 449-477, pls. 13-17.

[++ Mc]

See also: 2320, 2372, 2818, 2819, 2820, 2821, 2989, 3097, 3249.

SPINAL REFLEXES & REFLEX ACTION IN GENERAL

3257. Aronovitch, G. D. Reflexes in apes. *J. nerv. ment. Dis.*, 1927, 65, 457-464.

[9r: Png C-c Mc Pp Lm]

3258. Dusser de Barenne, J. G. & Ward, A. A., Jr. Reflex inhibition of the knee-jerk from intestinal organs. *Amer. J. Physiol.*, 1937, 120, 340-344.

[++ 1f: Mc]

3259. Richter, C. P. The grasping reflex in the new-born monkey. *Arch. Neurol. Psychiat., Chicago*, 1931, 26, 784-790.

[7f: Mc]

3260. Richter, C. P. & Paterson, A. S. On the pharmacology of the grasp reflex. *Brain*, 1932, 55, 391-396.

[+++ 2f-1t-8r: Mc]

3261. Rudolf, G. de M. The phylogenetic significance of the plantar response in man. *J. Neurol. Psychopath.*, 1922, 2, 337-352.

[+ 2f-5t-20r: Pn C-p C-c Mc At]

3262. Sherrington, C. S. Note on the knee-jerk and the correlation of action of antagonistic muscles. *Proc. roy. Soc.*, 1893, 52, 556-564.

[++ 1f: Mc]

3263. Sherrington, C. S. Cataleptoid reflexes in the monkey. *Proc. roy. Soc.*, 1897, 60, 411-414. Also: *Lancet*, 1897, (1), 373-374.

[monkey]

3264. Sherrington, C. S. Double (antidrome) conduction in the central nervous system. *Proc. roy. Soc.*, 1897, 61, 243-246.

[monkey]

See also: 2372, 2991, 2992, 3019, 3041, 3083a, 3247.

Sense Organs

THE EYE—RETINA & OPTIC NERVE

3265. Garten, S. Die Veränderungen der Netzhaut durch Licht. *Handb. ges. Augenheilk.*, 2nd ed., 1925, 3, Chap. 12, Anhang, 250 pp., 11 pls.

[+ vnf-vnr: Mc]

3266. Kolmer, W. Bemerkungen über Adaptationsvorgänge in den Sehelementen. *v. Graefes Arch. Ophthalm.*, 1925, 115, 310-313.

[++ 1f: Pn Affe]

3267. Köttgen, Else & Abelsdorff, G. Absorption und Zersetzung des Sehpurpurs bei den Wirbeltieren. *Z. Psychol.*, 1896, 12, 161-184, 4 tbls.

[+ 7f-10t: C-p]

See also: 3206, 3336, 3342.

THE EYE—PUPIL, ACCOMMODATION & DIOPTRICS

3268. Essed, W. F. R. & Soewarno, M. Ueber Experimentalmyopie bei Affen. *Klin. Mbl. Augenheilk.*, 1928, 80, 56-62. [2f-1t: Mc]

3268bis. Fincham, E. F. The function of the lens capsule in the accommodation of the eye. *Trans. opt. Soc., Lond.*, 1928-29, 30, 101-117.

[++ 9f-12r: C-p Pp Ceb]

3268a. Hess, C. Untersuchungen zur vergleichenden Physiologie und Morphologie des Accommodationsvorganges. *Arch. Augenheilk.*, 1909, 62, 345-392, pls. 17-20. [+ 9f: Affe]

3268b. Jablonski, W. Zur Genik der Refraktionszustände. 5. Mitteilung. Über die Refraktion von 29 Affen. *Arch. Augenheilk.*, 1926, 97, 369-374. [t: C-p Mc Pp]

3268c. Levinsohn, G. Die Entstehung der Kurzsichtigkeit mit Demonstration kurzsichtig gemachter Affen. *Ber. dtsch. ophthal. Ges.*, 1913, 39, 217-231. [t: Affe]

3268d. Levinsohn, G. Zur Anatomie des kurzsichtig gemachten Affenauges und ihre Bedeutung für die Myopiegenese. *Arch. Augenheilk.*, 1929, 100/101, 138-163. [19f: Affe]

3268e. v. Pflugk, Albert. Über die Akkommodation des Auges der Taube nebst Bemerkungen über die Akkommodation des Affen (*Macacus cynomolgus*) und des Menschen. Wiesbaden: J. F. Bergmann, 1906, 46 pp., 3 pls. [+ 19f-47r: Mc]

3268f. Stargardt, K. Kurzsichtigkeit beim Affen. *Arch. vergl. Ophthal.*, 1911, 2, 27-36. [2f-1t: Mc]

See also: 2184, 2243, 2962, 2962a, 3042, 3121, 3122, 3123, 3124, 3125, 3134, 3139, 3201, 3202, 3208, 3209, 3257.

THE EYE—MOVEMENTS OF THE EYES & LIDS

3269. Blount, W. P. Studies of the movements of the eyelids of animals: blinking. *Quart. J. exp. Physiol.*, 1928, 18, 111-125.

[+ 7f-5r: Pn monkey]

3270. Brown, T. Graham. Reflex orientation of the optical axes and the influence upon it of the cerebral cortex. *Arch. néerl. Physiol.*, 1922, 7, 571-578. [+++ monkey]

3271. Mahoney, W. & Sheehan, D. Experimental ptosis in primates. *Arch. Neurol. Psychiat., Chicago*, 1936, 35, 99-107.

[1f-14r: Pn Mc]

3272. Sherrington, C. S. Experimental note on two movements of the eye. *J. Physiol.*, 1894-95, 17, 27-29. [+++ Mc]

See also: 2184, 2962, 2963, 3042, 3046, 3048, 3067, 3086, 3121, 3122, 3123, 3124, 3125, 3126, 3130, 3131, 3133, 3136, 3137, 3138, 3177, 3202, 3205, 3206, 3228, 3229, 3257, 3448, 3880.

COCHLEAR & LABYRINTHINE FUNCTIONS

3273. Beyer, H & Lewandowsky, M. Experimentelle Untersuchungen am Vestibularapparat von Säugetieren. *Arch. Anat. Physiol., Lpz., Physiol. Abt.*, 1906, 451-464. [+ monkey]

3274. Dow, R. S. The effects of unilateral and bilateral labyrinthectomy in monkey, baboon and chimpanzee. *Amer. J. Physiol.*, 1938, 121, 392-399. [3f-11r: Pn C-p Mc Pp]

3275. Northington, P., & Barrera, S. E. Effects of unilateral and bilateral labyrinthectomy and intracranial section of eighth nerve. Experiments on monkeys. *Arch. Neurol. Psychiat., Chicago*, 1934, 32, 51-71. [3f: monkey]

3276. Northington, P. & Barrera, S. E. The galvanic nystagmus reaction in the monkey. *Amer. J. Physiol.*, 1937, 120, 703-704. [2r: Mc]

3277. Uffenorde, W. Zur Bewertung der Augenmuskelreaktionen bei Labyrinthreizung und der Reaktionen bei elektrischen Kleinhirnreizungen nach experimentellen Untersuchungen am Affen. *Münch. med. Wschr.*, 1912, 59, (1), 1213-1216. [1f: Mc]

See also: 3017a, 3046, 3083a, 3121, 3232, 3233.

CUTANEOUS & MUSCLE SENSIBILITY

See: 1544, 1763, 2284, 2370, 2372, 2979.

SYMPATHETIC & PARASYMPATHETIC NERVOUS SYSTEM

3278. Langley, J. N. & Sherrington, C. S. On pilo-motor nerves. *J. Physiol.*, 1891, 12, 278-291. [++ 1t: Mc]

3279. Whitteridge, D. The transmission of impulses through the ciliary ganglion. *J. Physiol.*, 1937, 89, 99-111. [+ 6f-r: C-p]

See also: 2372, 2589, 2590, 2821, 2883, 2973, 2977, 2991, 3271.

Pharmacology

ANESTHETICS & ANALGESICS

3280. Elder, J. H. Methods of anesthetizing chimpanzees. *J. Pharmacol.*, 1937, **60**, 347-357. [2f-1t-8r: Pn]

3281. Fulton, J. F. & Keller, A. D. Observations on the response of the same chimpanzee to dial, amytal, and nembital, used as surgical anaesthetics. *Surg. Gynec. Obstet.*, 1932, **54**, 764-770. [2f-8r: Pn]

3282. Fulton, J. F., Liddell, E. G. T. & Rioch, D. McK. "Dial" as a surgical anesthetic for neurological operations; with observations on the nature of its action. *J. Pharmacol.*, 1930, **40**, 423-432. [+ Mc]

3282a. Gruber, C. M. The effects of anaesthetic doses of sodium thio-pentobarbital, sodium thio-ethamyl and pentothal sodium upon the respiratory system, the heart and blood pressure in experimental animals. *J. Pharmacol.*, 1937, **60**, 143-173. [+ 12f: monkey]

3283. Smith, P. K. The relation of acetanilid and other drugs to analgesia in monkeys. *J. Pharmacol.*, 1938, **62**, 467-474. [2f-24r: C-c]

3284. Spielmeyer, W. Veränderungen des Nervensystems nach Stovain-anästhesie. *Münch. med. Wschr.*, 1908, **55**, 1629-1634. [++ Affe]

3285. Weidman, [F. D.] Newer general anesthetic for wild animals. *Rep. Lab. Mus. zool. Soc. Philad.*, 1930, **58**, 45-51. [++]

BULBOCAPNINE

3286. Buchman, Ethel F. & Richter, C. P. Abolition of bulbo-capnine catatonia by cocaine. *Arch. Neurol. Psychiat., Chicago*, 1933, **29**, 499-503. [+++ 2f: Mc]

3287. Fernandes, B. & Ferreira, F. La catatonie expérimentale par la bulbo-capnine. *Encéphale*, 1933, **28**, 445-459. [+ singe]

3288. Ferraro, Armando & Barrera, Severo Eugene. *Experimental catalepsy. (The action of bulbo-capnine in cats and monkeys with various experimental lesions of the nervous system.)* Utica, N. Y.: State Hospitals Press, 1932, 119 pp. [++ 106f-64r: Mc]

3289. de Jong, H. & Baruk, H. Etudes sur la catatonie expérimentale. L'épreuve de la bulbo-capnine chez les singes. Comparaison des stades de l'intoxication bulbo-capnique avec les aspects de la catatonie humaine. *Rev. neurol.*, 1929, **36**, (2), 541-547. [+ 2pl: Mc]

3290. Krause, F. & de Jong, H. Über die Lokalisation einiger motorischer Erscheinungen bei der Bulbo-capnin-Katatonie. *Z. ges. Neurol. Psychiat.*, 1931, **133**, 754-761. [++ 4f: Affe]

3291. Paterson, A. S. & Richter, C. P. Action of scopolamine and carbon dioxide on catalepsy produced by bulbo-capnine. *Arch. Neurol. Psychiat., Chicago*, 1933, **29**, 231-240. [3f: Mc]

3292. Richter, C. P. & Paterson, A. S. Bulbo-capnine catalepsy and the grasp reflex. *J. Pharmacol.*, 1931, **43**, 677-691. [+++ 3f-1t: Mc]

THE OPIATES

3293. Eddy, N. B. & Reid, J. G. Studies of morphine, codeine and their derivatives. VII. Dihydromorphine (paramorphan), dihydromorphinone (dilaudid), and dihydrocodeinone (dicodide). *J. Pharmacol.*, 1934, **52**, 468-493. [+ 7t-35r: Mc]

3294. Kolb, L. & DuMez, A. G. Experimental addiction of animals to opiates. *Publ. Hlth. Rep. Wash.*, 1931, **46**, 698-726. [+++ 4f-9t: Mc]

3295. Seevers, M. H. Opiate addiction in the monkey. I. Methods of study. *J. Pharmacol.*, 1936, **56**, 147-156. [10r: Mc]

3296. Seevers, M. H. Opiate addiction in the monkey. II. Dilaudid in comparison with morphine, heroine and codeine. *J. Pharmacol.*, 1936, **56**, 157-165. [1t-7r: Mc]

3297. Tatum, A. L., Seevers, M. H. & Collins, K. H. Morphine addiction and its physiological interpretation based on experimental evidences. *J. Pharmacol.*, 1929, **36**, 447-475. [+ 1f-39r: Mc]

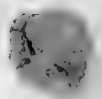
MISCELLANEOUS

3298. Chopra, R. N., Mukherjee, S. N. & Chohan, J. S. Physical changes in blood *in vivo* after injection of venom from Indian cobra (*Naia naia vel tripudians*) into monkeys. *Indian J. med. Res.*, 1937, **25**, 137-145. [1f-1t-17r: Mc]

3299. Williams, E. F., Jr., Abramowitz, W. & Killian, J. A. The value of the monkey for the study of the laxative activity of phenolphthalein, especially in comparing different samples of the drug. *J. Lab. clin. Med.*, 1934, **19**, 1213-1216. [1t-6r: Mc]



Psychobiology



Experimental Psychobiology

REVIEWS, TEXTBOOKS, MONOGRAPHS, &c.

3300. Bierens de Haan, J. A. Sieben Jahre tierpsychologische Arbeit in Amsterdam. *Z. angew. Psychol.*, 1926, 27, 236-267. [+ 28r]
3301. Bierens de Haan, J. A. Neuere Untersuchungen über die höheren Formen der tierischen Intelligenz. *Zool. Anz.*, 1931, SupplBd. 5, 39-66. [+++ nr-lecture: Mc]
3302. Dexler, H. Das Köhler-Wertheimer'sche Gestaltenprinzip und die moderne Tierpsychologie. *Lotus*, 1921, 69, 143-242. [+ 18f: Pn]
3303. Guillaume, P. La psychologie des anthropoïdes d'après les travaux récents. Les épreuves d'intelligence. *J. Psychol. norm. path.*, 1923, 20, 948-966. [7f-8r-review: Pn Png Mc]
3304. Hempelmann, Friedrich. *Tierpsychologie vom Standpunkte des Biologen*. Leipzig: Akademische Verlagsgesellschaft, 1926, viii, 676 pp., 1 pl. [+ 134f-vnr]
3305. Hobhouse, Leonard Trelawney. *Mind in evolution*. London: Macmillan & co., 1915, 2nd ed., xix, 469 pp. [+ f-t: Pn Png Mc Mndr]
3306. Holmes, Samuel Jackson. *The evolution of animal intelligence*. New York: H. Holt & co., 1911, v, 296 pp. [+ 18f-nr]
3307. Schiche, E. Die Psychologie der Anthropoiden im Lichte einiger neuerer Arbeiten. *Z. angew. Psychol.*, 1921, 18, 343-355; 1923, 22, 292-300. [3f]
3308. Spence, K. W. Experimental studies of learning and the higher mental processes in infra-human primates. *Psychol. Bull.*, 1937, 34, 806-850. [+++ 161r]
3309. Warden, Carl J., Jenkins, Thomas N. & Warner, Lucien H. *Comparative psychology; a comprehensive treatise. Vertebrates*. New York: Ronald Press co., 1936, x, 560 pp. [80f-vnr]
3310. Yerkes, R. M. Mental evolution in the primates. In: *Human biology and racial welfare*. Edmund V. Cowdry, ed., New York: Paul B. Hoeber, 1930, xviii, 612 pp.
3311. Yerkes, R. M. & Child, Margaret S. Anthropoid behavior. *Quart. Rev. Biol.*, 1927, 2, 37-57, 2 pls. [81r: Gr Pn Png Hyl]
3312. Yerkes, Robert M. & Yerkes, Ada W. *The great apes. A study of anthropoid life*. New Haven: Yale University Press, 1929, xix, 652 pp. [172f-vnr: Gr Pn Png Hyl Symp]

COMPREHENSIVE EXPERIMENTAL MONOGRAPHS, &c.

3313. Buytendijk, F. J. J. Considérations de psychologie comparée à propos d'expériences faites avec le singe *Cercopithecus*. *Arch. néerl. Physiol.*, 1920, 5, 42-88. [8f-5t: C-p]
3314. Kinnaman, A. J. Mental life of two *Macacus rhesus* monkeys in captivity. *Amer. J. Psychol.*, 1902, 13, 98-148, 173-218. [11f-10t-nr: Mc]
3315. Klüver, Heinrich. *Behavior mechanisms in monkeys*. With an introduction by K. S. Lashley. Chicago: University of Chicago Press, 1933, xvii, 387 pp. [52f-69t-309r: Mc Saim Ceb Atl Lm]
3316. Kuroda, A. Mental life of a *Macacus* monkey. *Jap. J. Psychol.*, 1926, 6, 148-174. [Mc]
3317. Shepherd, W. T. Some mental processes of the rhesus monkey. *Psychol. Monogr.*, 1910, 12, no. 5, 61 pp. [3f-10t-16r: Mc]
3318. Thorndike, E. L. The mental life of the monkeys. *Psychol. Monogr.*, 1901, 3, no. 5, 57 pp. [5f-4t: Ceb]
3319. Yerkes, R. M. The mental life of monkeys and apes: a study of ideational behavior. *Behav. Monogr.*, 1916, 3, no. 1, 145 pp., 6 pls. [5f-10t-nr: Png Mc]
3320. Yerkes, R. M. The mind of a gorilla. *Genet. Psychol. Monogr.*, 1927, 2, 1-193, 9 pls. [34r: Gr]
3321. Yerkes, R. M. The mind of a gorilla: Part II. Mental development. *Genet. Psychol. Monogr.*, 1927, 2, 375-551. [15pl-5r: Gr]
3322. Yerkes, R. M. The mind of a gorilla: Part III. Memory. *Comp. Psychol. Monogr.*, 1928, 5, no. 2, 92 pp. [1f-9pl-2t: Gr]

METHODOLOGY & APPARATUS

3323. Crawford, M. P. A behavior rating scale for young chimpanzees. *J. comp. Psychol.*, 1938, 26, 79-92. [4t-6r: Pn]
3324. Fischel, W. Methoden zur psychologischen Untersuchung der Wirbeltiere. *Handb. biol. ArbMeth.*, 1932, Abt. 6, Teil D, 233-338. [+ 48f]
3325. Foley, J. P. An apparatus for restraining monkeys and other lesser primates. *Amer. J. Psychol.*, 1935, 47, 312-315. [++ 3f]

3326. Grether, W. F. A new spectral color apparatus for studies of primate color vision. *J. gen. Psychol.*, 1935, 12, 450-456. [2f-11r]

3327. Klüver, H. A tachistoscopic device for work with sub-human primates. *J. Psychol., Provincetown*,* 1935, 1, 1-4. [+ 1f]

3328. Klüver, H. Use of vacuum-tube amplification in establishing differential motor reactions. *J. Psychol., Provincetown*,* 1935, 1, 45-47. [+ 1r]

3329. Klüver, H. An auto-multi-stimulation reaction board for use with sub-human primates. *J. Psychol., Provincetown*,* 1935, 1, 123-127. [+ 2f]

3330. Köhler, W. Die Methoden der psychologischen Forschung an Affen. *Handb. biol. Arb-Meth.*, 1932, Abt. 6, Teil D, 69-120.

3331. Yerkes, R. M. Primate coöperation and intelligence. *Amer. J. Psychol.*, 1937, 50, 254-270. [r: Pn]

See also: 3339, 3334, 3347, 3445.

Receptive Capacities

PRIMARY VISUAL CAPACITIES

(brightness discrimination, color vision, visual acuity, flicker, &c.)

3332. Bierens de Haan, J. A. Versuche über den Farbensinn der Affen. *Tijdschr. ned. dierk. Ver.*, 1925, (2), 19, 71-74. [cf. 3333: Mc]

3333. Bierens de Haan, J. A. Experiments on vision in monkeys. I. The colour-sense of the pig-tailed macaque (*Nemestrinus nemestrinus* L.). *J. comp. Psychol.*, 1925, 5, 417-453. [2f-6t-r: Mc]

3334. Bierens de Haan, J. A. & Frima, Margareta J. Versuche über den Farbensinn der Lemuren. *Z. vergl. Physiol.*, 1930, 12, 603-631. [8f-11t-20r: Lm]

3335. Brecher, G. A. Die Verschmelzungsgrenze von Lichtreizen beim Affen. *Z. vergl. Physiol.*, 1935, 22, 539-547. [2f-1t-nr: C-c]

3336. Brecher, G. A. Die subjektiven Helligkeitswerte des Spektrums beim Affen. *Z. vergl. Physiol.*, 1936, 23, 771-780. [4f: C-c]

3337. Crawford, M. P. Brightness discrimination in the rhesus monkey. *Genet. Psychol. Monogr.*, 1935, 17, 72-162. [11f-11t-20r: Mc]

3338. Dahl, F. Versuche über den Farbensinn bei einer Meerkatze. *Zool. Jb., Abt. 1*, 1907, 25, 329-338. [C-p]

3339. Johnson, H. M. Visual pattern-discrimination in the vertebrates—I. Problems and methods. *J. Anim. Behav.*, 1914, 4, 319-339. [6f]

3340. Johnson, H. M. Visual pattern-discrimination in the vertebrates—II. Comparative visual acuity in the dog, the monkey and the chick. *J. Anim. Behav.*, 1914, 4, 340-361. [+ 4t: Ceb]

3341. Johnson, H. M. Visual pattern-discrimination in the vertebrates—III. Effective differences in width of visible striae for the monkey and the chick. *J. Anim. Behav.*, 1916, 6, 169-188. [++ 6t-1f: Ceb]

3342. Katz, D. & Katz, Rosa. Behaviour of monkeys under light of poor visibility. *Proc. zool. Soc. Lond.*, 1937, A, 107, 183-186. [C-p Mc Lag]

3343. Koehler, W. Die Farbe der Sehdinge beim Schimpansen und beim Haushuhn. *Z. Psychol.*, 1917, 77, 248-255. [+++ 1r: Pn]

3344. Maison, G. L. Determination of the visual power of each eye in animals. *Science*, 1936, n.s., 84, 463. [monkey]

3345. Spence, K. W. Visual acuity and its relation to brightness in chimpanzee and man. *J. comp. Psychol.*, 1934, 18, 333-361. [+++ 4f-5t-36r: Pn]

3346. Trendelenburg, W. & Schmidt, I. Untersuchungen über das Farbensystem des Affen. (Spektrale Unterschiedsempfindlichkeit und spektrale Farbmischung bei Helladaptation.) *Z. vergl. Physiol.*, 1930, 12, 249-278. [4f-9t: Mc]

3347. Watson, J. B. Some experiments bearing upon color vision in monkeys. *J. comp. Neurol.*, 1909, 19, 1-28, 1 pl. [3f-6t: Mc Ceb]

See also: 3155, 3156, 3157, 3159, 3160, 3163, 3165, 3166, 3314, 3315, 3317, 3326, 3352, 3356, 3361, 3361b, 3362, 3367, 3385, 3386, 3411, 3453, 3461.

SECONDARY VISUAL PROCESSES

(size, form, relative vs. absolute discrimination, generalization & abstraction)

3347a.* von Allesch, G. J. *Zur nichteuklidischen Struktur des phänomenalen Raumes (Versuche an Lemur mongoz mongoz L.)*. Jena: G. Fischer, 1931, ii, 153 pp. [Lm]

3348. Baley, S. Le comportement des enfants et des singes inférieurs en présence des objets placés sur un support. *Acta psychol., The Hague*,* 1935, 1, 30-38. [+ Pn C-c Mndr Lm]

3349. Bierens de Haan, J. A. Über Wahrnehmungskomplexe und Wahrnehmungselemente bei einem niederen Affen (*Nemestrinus nemestrinus*) (zugleich Versuche über das Sehen der Affen II). *Zool. Jb., Abt. 3*, 1925, 42, 272-306. [5f-4t: Mc]

3350. Bierens de Haan, J. A. Der relative Wert von Form- und Farbenmerkmalen in der Wahrnehmung des Affen (zugleich: Versuche über das Sehen von Affen III). *Biol. Zbl.*, 1925, 45, 727-734. [2t: Mc]

3351. Bierens de Haan, J. A. Versuche über das Sehen der Affen. IV. Das Erkennen gleichförmiger und ungleichförmiger Gegenstände bei niederen Affen. V. Erkennen Affen in zweidimensionalen Abbildungen ihnen bekannte Gegenstände wieder? *Z. vergl. Physiol.*, 1927, 5, 699-729. [9f-5t-16r: C-p Mc]

3352. Bierens de Haan, J. A. Über Wahl nach relativen und absoluten Merkmalen. (Versuche an Affen und Bienen.) *Z. vergl. Physiol.*, 1928, 7, 462-487. [++ 4f-4t-r: Mc]

3353. Buytendijk, F. J. J. & Révész, G. L'importance spéciale du sens de la vue dans les phénomènes de reconnaissance chez les singes inférieurs. *Arch. néerl. Physiol.*, 1923, 8, 14-19. [Pn Png Pp Mndr Ceb]

3354. Gellerman, L. W. Form discrimination in chimpanzees and two-year-old children. I. Form (triangularity) *per se*. *J. genet. Psychol.*,* 1933, 42, 3-27. [++ 3f-3t-15r: Pn]
3355. Gellerman, L. W. Form discrimination in chimpanzees and two-year-old children. II. Form versus background. *J. genet. Psychol.*,* 1933, 42, 28-50. [++ 4f-4t-6r: Pn]
3356. Johnson, H. M. Visual pattern-discrimination in the vertebrates—IV. Effective differences in direction of visible striae for the monkey and the chick. *J. Anim. Behav.*, 1916, 6, 189-204. [++ 5t: Ceb]
3357. Kafka, H. Beitrag zur Psychologie eines niederen Affen: Grössenunterscheidung bei *Cercopithecus fuliginosus*. *Z. vergl. Physiol.*, 1931, 15, 71-120. [7f-20t-31r: C-c]
3358. Klüver, H. Zur Psychologie der Veränderungsauffassung bei niederen Affen. *Z. angew. Psychol.*, 1931, 59, Beiheft, 132-156. (W. Stern-Festschrift.) [1f-4t: Affe]
3359. Klüver, H. The equivalence of stimuli in the behavior of monkeys. *J. genet. Psychol.*,* 1931, 39, 3-27. [5f-2t-3r: Mc]
3360. Köhler, W. Aus der Anthropoidenstation auf Teneriffa. II. Optische Untersuchungen am Schimpansen und am Haushuhn. *Abh. preuss. Akad. Wiss.*, 1915, no. 3, 70 pp. [+ t: Pn]
3361. Köhler, W. Aus der Anthropoidenstation auf Teneriffa. IV. Nachweis einfacher Strukturfunktionen beim Schimpansen und beim Haushuhn. Über eine neue Methode zur Untersuchung des bunten Farbensystems. *Abh. preuss. Akad. Wiss.*, 1918, no. 2, 101 pp. [++ Pn]
- 3361a.* Kohts, N. *Report of the Zoöpsychological Laboratory of the Darwinian Museum*. Moscow: 1921. [Russ: Pn]
- 3361b. Kohts, Nadie. (*Untersuchungen über die Erkenntnisfähigkeiten des Schimpansen*.) Moskau: Museum Darwinianum, 1923, 498 pp., 18 pls. Gr. abstr.: 454-492. [Reviews: nos. 3368a, 3385 & *Anthrop. Anz.*, 1926, 3, 248-249, pls. 10-11: Pn]
3362. Kohts, N. Recherches sur l'intelligence du chimpanzé par la méthode de "choix d'après modèle." *J. Psychol. norm. path.*, 1928, 25, 255-275. [Pn]
3363. Locke, N. M. A comparative study of size constancy. *J. genet. Psychol.*,* 1937, 51, 255-265. [++ 3t-13r: Mc]
3364. Neet, C. C. Visual pattern discrimination in the *Macacus rhesus* monkey. *J. genet. Psychol.*,* 1933, 43, 163-196. [4f-5t-12r: Mc]
- 3365.* Ohtsuka, N. Über die absolute und relative Wahl beim Affen *Cercopithecus* sp. *Acta psychol. Keijo*,* 1937, 3, 33-44.
3366. Révész, G. Recherches psychologiques sur les singes. *Arch. néerl. Physiol.*, 1924, 9, 380-381. [Abstr.]
3367. Révész, G. Experimental study in abstraction in monkeys. *J. comp. Psychol.*, 1925, 5, 293-343. [4f-7t-25r: C-c Mc]
3368. Révész, G. Abstraktion und Wiedererkennung. Vergleichend-psychologische Versuche an Menschen und an niederen Affen. *Z. Psychol.*, 1926, 98, 34-56. [+ 1f: Affe]
- 3368a. Stern, W. Erkennungsleistungen eines Menschenaffen. *Z. pädag. Psychol.*, 1926, 27, 248-250. [Review of 3361b]
3369. Tellier, Mariette. Le choix d'après modèle, chez le macaque. *Bull. Soc. Sci. Liège*, 1933, 2, 41-45. [Mc]
3370. Tellier, Mariette. L'intelligence des singes inférieurs. La vision des formes et la généralisation. *Mém. Soc. Sci. Liège*, 1934, (3), 19, no. 3, 76 pp., 1 pl. [3f-nr: Mc]
3371. Tellier, Mariette. L'intelligence des singes inférieurs. II.—Le relatif et l'absolu. *Mém. Soc. Sci. Liège*, 1935, (3), 20, no. 1, 64 pp. [72r: Mc]
3372. Verlaïne, L. Le relatif et l'absolu chez le macaque. Le grandeur moyenne. *Bull. Soc. Sci. Liège*, 1935, 4, 90-96. [Mc]
3373. Verlaïne, L. A propos du syncrétisme. La perception d'un objet chez le macaque. *Bull. Soc. Sci. Liège*, 1935, 4, 132-137. [Mc]
3374. Verlaïne, L. La perception chez le macaque.—Le vivant et le non-vivant. *Bull. Soc. Sci. Liège*, 1935, 4, 137-140. [Mc]
3375. Verlaïne, L. De la connaissance chez le macaque.—La substance. *Bull. Soc. Sci. Liège*, 1935, 4, 239-243. [Mc]
3376. Verlaïne, L. La vision des formes chez le macaque. Syncrétisme, analyse et synthèse. *Mém. Acad. R. Belg. Cl. Sci. (Coll. in 8°)*, 1935, (2), 14, no. 5, 85 pp. [17f-nr: Mc]
3377. Verlaïne, L. Le caractère analytique de la perception chez le macaque. *Bull. Acad. Belg. Cl. Sci.*, 1935, (5), 21, 744-757, 800-816. [Mc]
3378. Verlaïne, L. Les associations par contiguïté chez le macaque. *J. Psychol. norm. path.*, 1935, 32, 719-730. [15r: Mc]
3379. Verlaïne, L. L'analyse et la synthèse, dans la perception des formes, chez le macaque. *Ann. Soc. zool. Belg.*, 1935, 66, 57-66. [11r: Mc]
3380. Verlaïne, L. Histoire naturelle de la connaissance chez le singe inférieur. Le concret. *Actualité sci.*, 1935, no. 215, 50 pp., 4 pls. [Mc]
3381. Verlaïne, L. Histoire naturelle de la connaissance chez le singe inférieur: le syncrétique. *Actualités sci.*, 1936, no. 320, 60 pp., 4 pls. [Mc]

3382. Verlaine, L. Histoire naturelle de la connaissance chez le singe inférieur: l'abstrait. *Actualités sci.*, 1936, no. 360, 55 pp., 2 pls.

[11f: Mc]

3382a. Verlaine, L. Représentations concrètes et facultés de synthèse chez le macaque. *Bull. Soc. Sci. Liège*, 1938, 7, 579-589.

[Mc]

3382b. Verlaine-Gos, M. L'abstraction chez le macaque. *Bull. Soc. Sci. Liège*, 1937, 6, 184-186.

[Mc]

3383. Weigl, E. Übereinstimmende Verhaltensweisen von Menschen und Affen bei Wahlhandlungen. *Ber. Kongr. exp. Psychol. Wien*,* 1929 [1930], 11, 182-189.

[++ Affe]

3384. Yerkes, Ada W. Experiments with an infant chimpanzee. *J. genet. Psychol.*,* 1935, 46, 171-181.

[1t: Pn]

3385. Yerkes, R. M. & Petrunkevitch, A. Studies of chimpanzee vision by Ladygin-Kohts. *J. comp. Psychol.*, 1925, 5, 99-108.

[Review of 3361b]

See also: 3156, 3157, 3158, 3314, 3315, 3327, 3339, 3340, 3341, 3409, 3454, 3455, 3456, 3458, 3483, 3500, 3501a, 3519, 3713.

PRIMARY AUDITORY CAPACITIES

3386. Elder, J. H. Auditory acuity of the chimpanzee. *J. comp. Psychol.*, 1934, 17, 157-183.

[4f-3t-26r: Pn]

3387. Elder, J. H. The upper limit of hearing in chimpanzee. *Amer. J. Physiol.*, 1935, 112, 109-115.

[2f-2t-9r: Pn]

3388. Kalischer, O. Über die Tondressur der Affen. *Zbl. Physiol.*, 1912, 26, 713-714. Abstr.: *Med. Klinik*, 1912, 8, 712.

[Affe]

3389. Wendt, G. R. Auditory acuity of monkeys. *Comp. Psychol. Monogr.*, 1934, 10, no. 49, 51 pp.

[1pl-8f-8t-9r: C-c Mc Pp Atl]

See also: 3166, 3315, 3317.

SECONDARY AUDITORY PROCESSES

See: 3315, 3359, 3496, 3502, 3503.

GUSTATION & OLFACTION

See: 3316, 3829.

SOMATIC SENSIBILITY

3390. Tellier, Mariette. Reconnaissance par le toucher d'objets connus par la vue, chez le macaque. *Bull. Soc. Sci. Liège*, 1932, 1, 114-117.

[Mc]

3391. Tellier, Mariette. Le sens du toucher et la généralisation, le relatif et l'absolu, chez le macaque. *Bull. Soc. Sci. Liège*, 1932, 1, 192-196.

[Mc]

3392. Tellier, Mariette. Le sens du toucher et la généralisation. La discrimination du poids des objets chez le macaque. *Bull. Soc. Sci. Liège*, 1933, 2, 138-142.

[Mc]

See also: 3173a, 3178, 3179, 3315, 3358, 3391, 3392, 3411.

The Action System

REFLEX ACTION

(see *Physiol.*)

LOCOMOTION & POSTURE

See: 206, 3564, 3657, 3676, 3699, 3766, 3774, 3775, 3778, 3780, 3782, 3786, 3789, 3817, 3857, 3901, 3989.

VOLUNTARY ACTION

(*prehension & manipulation, motor skills, reaction time, handedness, strength, etc.*)

3393. Bauman, J. E. The strength of the chimpanzee and orang. *Sci. Mon.*, N. Y., 1923, 16, 432-439. [3pl-1f: Pn Png]

3394. Bauman, J. E. Observations on the strength of the chimpanzee and its implications. *J. Mammal.*, 1926, 7, 1-9, pl. 1. [t: Pn]

3395. Bergtold, W. H. Strength of chimpanzees. *J. Mammal.*, 1926, 7, 131-132. [Pn]

3396. Forster, M. C. Temporal relations of behavior in chimpanzee and man as measured by reaction time. *J. comp. Psychol.*, 1935, 20, 361-383. [+++ 1f-6t-16r: Pn]

3397. Franz, S. I. Observations on the preferential use of the right and left hands by monkeys. *J. Anim. Behav.*, 1913, 3, 140-144. [2t: monkey]

3398. Kempf, Helen D. C. The preferential use of the hands in monkeys with modification by training and retention of the new habit. *Psychol. Bull.*, 1917, 14, 297-301. [1f-1t: Mc]

3399. Kounin, J. S. Laterality in monkeys. *J. genet. Psychol.*,* 1938, 52, 375-393. [1f-10t-18r: Mc Ceb Atl]

3400. Lashley, K. S. Modifiability of the preferential use of the hands in the rhesus monkey. *J. Anim. Behav.*, 1917, 7, 178-186. [1f-3t: Mc]

3401. Ludwig, Wilhelm. *Das Rechts-Links-Problem im Tierreich und beim Menschen, mit einem Anhang: Rechts-Links-Merkmale der Pflanzen*. Berlin: J. Springer, 1932, xi, 496 pp. [+ 143f-vnr]

3401a. Magne de la Croix, P. La marche quadrupédale du chimpanzé et de l'homme. *An. Soc. cient. Argent.*, 1930, 110, (2), 393-398. [++ 3f: Pn Hyl Pp]

3402. Shepherd, W. T. Some observations on the intelligence of the chimpanzee. *J. Anim. Behav.*, 1915, 5, 391-396. [Pn]

3403. Witmer, L. A monkey with a mind. *Psychol. Clin.*, 1909, 3, 179-205. [15f: Pn]

See also: General, 3564; skill & manipulation, 3088, 3094, 3181, 3230, 3402, 3403, 3409, 3465; strength, 3393, 3394, 3395; handedness, 3315, 3319, 3397, 3398, 3399, 3400, 3464.

FOOD & FEEDING; DRINKING

3404. Bierens de Haan, J. A. & Heubel, Florrie. Über Futtervorliebe bei Affen und die Bestimmung ihrer Grösse und Stärke. (Mit einem Versuch zu einer charakterologischen Deutung der Ergebnisse.) *Z. Morph. Ökol. Tiere*, 1938, 34, 89-128. [6f-12t-r: C-p Mc Ceb]

3405. Katz, D. & Katz, Rosa. Some problems concerning the feeding behavior of monkeys. *Proc. zool. Soc. Lond.*, 1936, (1), 579-582. [C-p Ceb]

3406. Maslow, A. H. Comparative behavior of primates. VI. Food preferences of primates. *J. comp. Psychol.*, 1933, 16, 187-197. [3t-10r: Pn Hyl C-p C-c Mc Pp Mndr Atl]

See also: 211, 237, 618, 2925, 2960, 3439, 3564, 3570, 3477, 3637, 3648, 3654, 3657, 3663, 3676, 3689, 3690, 3692, 3694, 3721, 3780, 3793, 3798, 3801, 3805, 3820, 3827a, 3829, 3841, 3853, 3881, 3882, 3883, 3896, 3897, 3903, 3904, 3912, 3913, 3914, 3917, 3918.

SLEEP & SHELTER; HIBERNATION

See: 3412, 3616, 3619, 3633, 3637, 3642, 3648, 3654, 3657, 3676, 3689a, 3703, 3704, 3710, 3721, 3728, 3740, 3823, 3895, 3899.

VOCALIZATION & COMMUNICATION

3407. Boutan, L. Observations relatives aux manifestations vocales d'un anthropoïde (*Hylobates leucogenys* Ogilby). *C. R. Acad. Sci., Paris*, 1912, 155, 929-931. [Hyl]

3408. Boutan, L. Le pseudo-langage. Observations effectuées sur un anthropoïde: le gibbon (*Hylobates leucogenys*-Ogilby). *Act. Soc. linn. Bordeaux*, 1913, 67, 5-79, pl. 1. [++ 2f: Hyl]

3409. Furness, W. H. Observations on the mentality of chimpanzees and orang-utans. *Proc. Amer. phil. Soc.*, 1916, 55, 281-290. [Pn Png]

3410. Romanes, G. J. On the mental faculties of *Anthropopithecus calvus*. *Nature, Lond.*, 1889, 40, 160-162. [Pn]

3411. Romanes, G. J. On the mental faculties of the bald chimpanzee (*Anthropopithecus calvus*). *Proc. zool. Soc. Lond.*, 1889, 316-321. [Pn]

3412. Yerkes, Robert M. & Learned, Blanche W. *Chimpanzee intelligence and its vocal expressions*. Baltimore: Williams & Wilkins co., 1925, 157 pp., 2 pls. [Pn]

See also: 3407, 3408, 3409, 3425, 3594, 3595, 3600, 3648, 3657, 3697, 3731, 3732, 3746, 3748a, 3775, 3778, 3781, 3786, 3800, 3872.

EMOTIONAL EXPRESSION

3413. Darwin, Charles Robert. *The expression of the emotions in man and animals*. London: J. Murray, 1872, vi, 374 pp. [+ 21f-nr: Gr Pn Png Mc Cyn-p Pp Ceb]

3414. Foley, J. P. Judgment of facial expression of emotion in the chimpanzee. *J. soc. Psychol.*, 1935, 6, 31-67. [Pn]

3415. Haslerud, G. M. The effect of movement of stimulus objects upon avoidance reactions in chimpanzees. *J. comp. Psychol.*, 1938, 25, 507-528. [++ 2f-6t-4r: Pn]

3416. Hunt, W. A., Landis, C. & Jacobsen, C. F. Studies of the startle pattern: V. Apes and monkeys. *J. Psychol., Provincetown*,* 1936, 3, 339-343. [1f-1t: Pn Png C-c Mc]

3417. Révész, G. Zur Psychologie der Furcht- und Angstzustände. *Z. angew. Psychol.*, 1931, 59, Beiheft, 203-240. [+ 6f: C-p]

3418. Yerkes, R. M. & Yerkes, Ada W. Nature and conditions of avoidance (fear) response in chimpanzee. *J. comp. Psychol.*, 1936, 21, 53-66. [1f-3t: Pn]

See also: 1545, 2961, 2962, 2962a, 2963, 2964, 3188, 3316, 3319, 3322, 3361b, 3408, 3412, 3425, 3543, 3606, 3613, 3622, 3699, 3701, 3780, 3800, 3835, 3857.

PROTECTIVE & AGGRESSIVE ACTIVITIES

See: 3536, 3564, 3583, 3689a, 3818.

FEAR

See: 3589, 3602, 3699, 3700, 3715, 3734, 3761, 3766, 3796, 3800, 3829, 3837, 3857, 3894, 4024.

BEHAVIOR TENDENCIES OR TEMPERAMENT

See: 2782, 3320, 3321, 3323, 3412, 3428, 3453, 3612, 3622, 3657, 3694, 3734, 3766, 3775, 3778, 3834, 3859.

Maturation of Behavior

3419. Foley, J. P., Jr. First year development of a rhesus monkey (*Macaca mulatta*) reared in isolation. *J. genet. Psychol.*,* 1934, 45, 39-105. [8pl-5t-44r: Mc]

3420. Foley, J. P., Jr. Second year development of a rhesus monkey (*Macaca mulatta*) reared in isolation during the first eighteen months. *J. genet. Psychol.*,* 1935, 47, 73-97. [1f-1t-44r: Mc]

3420a. Hermann, I. Neue Beiträge zur vergleichenden Psychologie der Primaten. *Imago, Lpz.*, 1936, 22, 442-456. [based on no. 3423]

3421. Jacobsen, C. F., Jacobsen, Marion M. & Yoshioka, J. G. Development of an infant chimpanzee during her first year. *Comp. Psychol. Monogr.*, 1932, 9, no. 41, 94 pp. [4pl-5f-9t-r: Pn]

3422. Kellogg, W. N. Humanizing the ape. *Psychol. Rev.*, 1931, 38, 160-176. [1f-nr: Pn]

3423. Kellogg, Winthrop N. & Kellogg, L. A. *The ape and the child. A study of environmental influence upon early behavior.* New York: McGraw-Hill, 1933, xiv, 341 pp. [+++ n. pl-20f: Pn]

3424. Kohts, Nadie. Infant ape and human child (Instincts, emotions, play, habits). *Sci. Mem. Mus. Darwinianum*, 1935, 3, xvi, 596 pp.,

25 pls., Atlas, 120 pls. [Russ. with Engl. abstr.; review: *J. genet. Psychol.*, 1937, 50, 465: Pn]

3425. Kohts, N. La conduite du petit du chimpanzé et de l'enfant de l'homme. *J. Psychol. norm. path.*, 1937, 34, 494-531. [9f: Pn]

3426.* Kuroda, R. Untersuchungen über die körperliche und sinnes physiologische Organisation eines neugeborenen Affen (*M. cyn.*). *Acta psychol. Keijo*,* 1930, 1, 3-16. [Mc]

3427. Lashley, K. S. & Watson, J. B. Notes on the development of a young monkey. *J. Anim. Behav.*, 1913, 3, 114-139, 7 pls. [Mc]

3427a. Mitchell, Peter Chalmers. *The childhood of animals.* New York: F. A. Stokes co., (1912), xiv, 269 pp., 12 pls. [+ 36f]

3428. Tomilin, M. I. & Yerkes, R. M. Chimpanzee twins: behavioral relations and development. *J. genet. Psychol.*,* 1935, 46, 239-263. [4pl-10r: Pn]

3429. White, Bessie A. A captive-born chimpanzee. *Sci. Mon.*, N. Y., 1929, 29, 558-565. [1pl-1f: Pn]

See also: 2921, 3321, 3322, 3384, 3434, 3435, 3520, 3534, 3544, 3545, 3553, 3579, 3768, 3862, 3865, 4049.

Motivation of Behavior

3430. Cowles, J. T. Food-tokens as incentives for learning by chimpanzees. *Comp. Psychol. Monogr.*, 1937, 14, no. 5, 96 pp. [9f-19t-r: Pn]

3430a. Cowles, J. T. & Nissen, H. W. Reward-expectancy in delayed responses of chimpanzees. *J. comp. Psychol.*, 1937, 24, 345-358. [2t-3r: Pn]

3431. Fischel, W. Über die Bedeutung des Strebens bei tierischen Wahlhandlungen. *Z. vergl. Physiol.*, 1932, 16, 48-75. [6f-23r: C-p]

3432. Fischel, W. Neue Versuche zur Feststellung des Anwendens erlernter Verhaltensformen bei Affen. *Zool. Anz.*, 1936, SupplBd., 9, 261-265. [4f: C-p Mc]

3433. Haslerud, G. M. Frustration as an experimental problem. III. Some interrelations of behavioral measures of frustration in chimpanzees. *Character & Pers.*, 1938, 7, 136-139. [Pn]

3434. McCulloch, T. L. The rôle of clasp activity of adaptive behavior of the infant chimpanzee: I. Delayed response. *J. Psychol., Provincetown*,* 1939, 7, 283-292. [1f-1t-8r: Pn]

3435. McCulloch, T. L. The rôle of clasp activity in adaptive behavior of the infant chim-

panzee: II. Visual discrimination. *J. Psychol., Provincetown*,* 1939, 7, 293-304. [3r: Pn]

3436. McCulloch, T. L. The rôle of clasp activity in adaptive behavior of the infant chimpanzee: III. The mechanism of reinforcement. *J. Psychol., Provincetown*,* 1939, 7, 305-316. [9r: Pn]

3437. Maslow, A. H. & Groshong, Elizabeth. Influence of differential motivation on delayed reactions in monkeys. *J. comp. Psychol.*, 1934, 18, 75-83. [5t: Hyl C-p Mc Cyn-p Pp Mndr]

3438. Nissen, H. W. & Elder, J. H. The influence of amount of incentive on delayed response performances of chimpanzees. *J. genet. Psychol.*,* 1935, 47, 49-72. [1f-8t-9r: Pn]

3439. Warden, C. J. & Jackson, T. A. A preliminary study of the hunger drive in the rhesus monkey. *J. genet. Psychol.*,* 1935, 46, 126-138. [2f-6t: Mc]

3440. Wolfe, J. B. Effectiveness of token-rewards for chimpanzees. *Comp. Psychol. Monogr.*, 1936, 12, no. 5, 72 pp. [5f-19t: Pn]

See also: 3103, 3321, 3512.

Modifiability of Behavior

CONDITIONED REFLEXES

3441. Bam, L. (The effect of bromine upon differential inhibition in monkeys as determined by the physical strength of inhibitory stimuli.) *Arkh. biol. Nauk*,* 1937, 47, (3), 24-51. Abstr.: *Psychol. Abstr.*, 1938, 12, no. 511.

[8f-nt-r-Russ. with Engl. abstr.]

3442. Dolin, A. O. (Comparative investigation of the functions of cortical inhibition in apes and monkeys.) *Arkh. biol. Nauk*, 1935, 37, 143-178. [Russ. with Engl. abstr.; *Psychol. Abstr.*, 1936, no. 1421: Pn Mc]

3443. Galperin, S. I. Über die Erscheinungen der Nachhemmung in der Grosshirnrinde der menschenähnlichen Affen. *Z. ges. exp. Med.*, 1934, 93, 289-295. [t: Pn Png]

3444. Galperin, S. I., Golyschewa, K. P. & Skipin, G. W. Die höchste Nerventätigkeit der Affen. I.—Mitteilung. Über die Erscheinung der Nachhemmung bei Pavianen. *Z. ges. exp. Med.*, 1934, 93, 276-288. [nt: Pp]

3445. Galperin, S. I., Skipin, G. W. & Woskresensky, L. N. Über die Registrierung der bedingten motorischen Nahrungsreaktion bei Affen. *Z. ges. exp. Med.*, 1934, 93, 272-275. [Affen]

3446. Halpérine, S. I., Skipine, G. W. & Golycheva, K. P. (Inhibition successive chez le singes cynocéphales (babouins).) *Arkh. biol. Nauk.*, 1935, 37, 179-192. [5t-Russ. with Fr. abstr.: Pp]

3446a. Grether, W. F. Pseudo-conditioning without paired stimulation encountered in attempted backward conditioning. *J. comp. Psychol.*, 1938, 25, 90-96. [13r: Mc]

3447. Harlow, H. F. Experimental analysis of the role of the original stimulus in conditioned responses in monkeys. *Psychol. Rec.*,* 1937, 1, 62-68. [5r: Mc]

3448. Hilgard, E. R. & Marquis, D. G. Conditioned eyelid responses in monkeys, with a comparison of dog, monkey, and man. *Psychol. Monogr.*, 1936, 47, 186-198. [5f: Mc]

3448a.* Kaminskii, S. D. & Maiorov, F. D. (Action of different doses of bromine on inhibition in monkeys of the excitable type.) *Byull. vsesoyuz. Inst. eksp. Med.*,* 1935, nos. 9-10, 14-15.

3449. Lindberg, A. A. (Ein Beitrag zur Kenntnis der höheren Nerventätigkeit bei Affen.) *Arkh. biol. Nauk*,* 1933, 33, 697-722. [11t-Russ. with Gr. abstr.; *Biol. Abstr.*, 1936, 10, no. 5641: Affen]

3450. Majoroff, F. P. (Bedingte Folgereflexe bei Affen, Rhesus-Lapundra.) *Arkh. biol. Nauk*,* 1933, 33, 723-732. [1f-4t-Russ. with Gr. abstr.; *Biol. Abstr.*, 1936, 10, no. 5643: Mc]

3451. Maiorow, F. P. (Beiträge zur vergleichenden Untersuchung der höheren Nerventätigkeit bei den höheren und niederen Affen.) *Russk. fiz. Zh.*, 1935, 19, 781-803. [16t-Russ. with Gr. abstr.: Pn Png Mc Pp]

3452. Wendt, G. R. An interpretation of inhibition of conditioned reflexes as competition between reaction systems. *Psychol. Rev.*, 1936, 43, 258-281. [+++ 14r: C-c Mc Pp Atl]

See also: 3155a, 3163, 3308, 3388, 3389.

TRIAL & ERROR LEARNING (SECONDARY PROBLEM SOLUTION)

DISCRIMINATION LEARNING

3453. Bierens de Haan, J. A. & Meyknecht, J. T. Dressurversuche an einem stark motorischen Affen. *Biol. Zbl.*, 1934, 54, 185-195. [6f-7r: C-c]

3454. Nissen, H. W. & McCulloch, T. L. Equated and non-equated stimulus situations in discrimination learning by chimpanzees. I. Comparison with unlimited response. *J. comp. Psychol.*, 1937, 23, 165-189. [1f-9t-4r: Pn]

3455. McCulloch, T. L. & Nissen, H. W. Equated and non-equated stimulus situations in discrimination learning by chimpanzees. II. Comparison with limited response. *J. comp. Psychol.*, 1937, 23, 365-376. [1f-3t-2r: Pn]

3456. Nissen, H. W. & McCulloch, T. L. Equated and non-equated stimulus situations in discrimination learning by chimpanzees. III. Prepotency of response to oddity through training. *J. comp. Psychol.*, 1937, 23, 377-381. [4t-2r: Pn]

3457. Spence, K. W. The differential response in animals to stimuli varying within a single dimension. *Psychol. Rev.*, 1937, 44, 430-444. [2t-3f-20r: Pn monkey]

3458. Spence, K. W. Analysis of the formation of visual discrimination habits in chimpanzee. *J. comp. Psychol.*, 1937, 23, 77-100. [3f-5t-12r: Pn]

3459. Spence, K. W. Gradual versus sudden solution of discrimination problems by chimpanzees. *J. comp. Psychol.*, 1938, 25, 213-224. [4t-6r: Pn]

See also: 3308, 3318, 3328, 3435, 3471, 3483.

PROBLEM-BOX LEARNING

3460. Boutan, L. Les deux méthodes de l'enfant. *Act. Soc. linn. Bordeaux*, 1914, 68, 217-360, 2 pls. [+++ 6f: Hy]

3460a. Fjeld, Harriett A. The limits of learning ability in rhesus monkeys. *Genet. Psychol. Monogr.*, 1934, 15, 369-537. [2pl-1f-30t-35r: Mc]

3461. Goldsmith, M., Mlle. Méthodes d'études et observations sur les singes de Mme. Ladygine-Kohts, de Moscou. *Bull. Inst. gén. psychol.*, 1929, 29, 153-160. [Pn Mc]

3462. Gorter, F. J. Experiments on the learning and problem solving of *Nycticebus tardigradus* L. *Arch. néerl. Zool.*,* 1935, 2, 95-111. [1f: Nyc]

3463. Koch, A. M. The limits of learning ability in cebus monkeys. *Genet. Psychol. Monogr.*, 1935, 17, 163-234. [2f-18t-27r: Ceb]

3464. Kohts, Nadie. Adaptive motor habits of the *Macacus rhesus* under experimental conditions. A contribution to the problem of "labour processes" of monkeys. *Sci. Mem. Mus. Darwinianum*, 1928, 368 pp., 24 pls. [++ 117r-vnt-r-Russ. with Engl. abstr. p. 326-352: Mc]

3465. Kohts, N. Les aptitudes motrices adaptatives du singe inférieur. *J. Psychol. norm. path.*, 1930, 27, 412-447. [12f: Mc]

See also: 3088, 3094, 3109, 3111, 3230, 3308, 3313, 3314, 3317, 3318, 3322, 3472, 3473, 3474, 3475, 3524d.

SERIAL OR MAZE LEARNING & OTHER TYPES OF TRIAL & ERROR LEARNING

3466. Gengerelli, J. A. The principle of minimum path in the ringtail monkey. *Publ. Univ. Calif., Los Angeles, Educ., Philos., Psychol.*,* 1933, 1, 165-187. [9f-13t: Ceb]

3467. Hamilton, G. V. A study of trial and error reactions in mammals. *J. Anim. Behav.*, 1911, 1, 33-66. [+ 3f-5t: Mc]

3468. Hamilton, G. V. A study of perseverance reactions in primates and rodents. *Behav. Monogr.*, 1916, 3, no. 2, 65 pp. [+ 2f-nt: Mc Pp]

3469. Kempf, E. J. Two methods of subjective learning in the monkey *Macacus rhesus*. *J. Anim. Behav.*, 1916, 6, 256-265. [Mc]

3470. Spragg, S. D. S. Anticipatory responses in serial learning by chimpanzee. *Comp. Psychol. Monogr.*, 1936, 13, no. 2, 72 pp. [9f-18t-48r: Pn]

See also: 3108, 3110, 3115, 3308, 3314, 3432, 3494, 3495.

IMITATIONAL LEARNING

3471. Crawford, M. P. & Spence, K. W. Observational learning of discrimination problems by chimpanzees. *J. comp. Psychol.*, 1939, 27, 133-147. [1f-4t-10r: Pn]

3472. Haggerty, M. E. Imitation in monkeys. *J. comp. Neurol.*, 1909, 19, 337-455. [13f-36t: Mc Ceb]

3473. Warden, C. J. & Jackson, T. A. Imitative behavior in the rhesus monkey. *J. Genet. Psychol.*, 1935, 46, 103-125. [1f-12t-20r: Mc]

3474. Watson, J. B. Imitation in monkeys. *Psychol. Bull.*, 1908, 5, 169-178. [Mc Pp Ceb]

3475. Witmer, L. Intelligent imitation and curiosity in a monkey. *Psychol. Clin.*, 1910, 3, 225-227. [1pl: Mc]

See also: 3308, 3314, 3317, 3318, 3464, 3469, 3524, 3562.

Intelligent Behavior; Insight; Ideation

GENERAL

See: 3301, 3303, 3306, 3308, 3319, 4015.

MNEMONIC CAPACITIES

(delayed response & alternation, &c.)

3476. Foley, J. P. & Warden, C. J. The effect of practice on the delayed reaction in the rhesus monkey. *J. genet. Psychol.*,* 1934, **44**, 390-413. [2t-57r: Mc]

3477. Grether, W. F. & Maslow, A. H. An experimental study of insight in monkeys. *J. comp. Psychol.*, 1937, **24**, 127-134. [1f-5t-11r: C-p Mc Pp Ceb]

3478. Harlow, H. F. Comparative behavior of primates. III. Complicated delayed reaction tests on primates. *J. comp. Psychol.*, 1932, **14**, 241-252. [2f-5t-6r: Hyl C-p C-c Mc Pp]

3479. Harlow, H. F., Uehling, H. & Maslow, A. H. Comparative behavior of primates. I. Delayed reaction tests on primates from the lemur to the orang-utan. *J. comp. Psychol.*, 1932, **13**, 313-343. [3f-6t-30r: Png Hyl C-p C-c Mc Ceb]

3480. Keller, F. S. The delayed response of a chimpanzee to color as the constant visual factor in a varying situation. *J. genet. Psychol.*,* 1934, **45**, 270-275. [Critique of no. 3487: Pn]

3480a. Köhler, W. Über eine neue Methode zur psychologischen Untersuchung von Menschenaffen. *Psychol. Forsch.*, 1922, **1**, 390-397. [2f]

3481. Maslow, A. H. & Harlow, H. F. Comparative behavior of primates. II. Delayed reaction tests on primates at Bronx Park Zoo. *J. comp. Psychol.*, 1932, **14**, 97-107. [2t-6r: Gr Pn Mc Pp Mndr Ceb Lag Atl Lm]

3482. Nissen, H. W., Carpenter, C. R. & Cowles, J. T. Stimulus- versus response-differentiation in delayed reactions of chimpanzees. *J. genet. Psychol.*,* 1936, **48**, 112-136. [1f-7t-11r: Pn]

3483. Nissen, H. W., Riesen, A. H. & Nowlis, V. Delayed response and discrimination learning by chimpanzees. *J. comp. Psychol.*, 1938, **26**, 361-386. [5f-4t-23r: Pn]

3484. Nissen, H. W. & Taylor, F. V. Delayed alternation to non-positional cues in chimpanzee. *J. Psychol., Provincetown*,* 1939, **7**, 323-332. [1f-1t-3r: Pn]

3485. Tinklepaugh, O. L. An experimental study of representative factors in monkeys. *J. comp. Psychol.*, 1928, **8**, 197-236. [2pl-4f-4t-18r: monkey]

3486. Tinklepaugh, O. L. Multiple delayed reaction with chimpanzees and monkeys. *J. comp. Psychol.*, 1932, **13**, 207-243. [1f-17t: Pn]

3487. Yerkes, R. M. & Yerkes, D. N. Concerning memory in the chimpanzee. *J. comp. Psychol.*, 1928, **8**, 237-271. [1f-2t-cf. no. 3480: Pn]

3488. Yudin, H. C. & Harlow, H. F. Comparative behavior of primates. V. Delayed reactions in primates in horizontal and vertical planes. *J. comp. Psychol.*, 1933, **16**, 143-148. [1pl-2t-2r: Mc Pp Mndr]

See also: 3089, 3108, 3110, 3112, 3113, 3114, 3115, 3127, 3129, 3308, 3313, 3320, 3321, 3322, 3362, 3369, 3384, 3430a, 3434, 3437, 3438, 3491, 3524, 3607a.

IDEATIONAL (SYMBOLIC) BEHAVIOR

(Multiple choice, double alternation, counting &c.)

3489. Bierens de Haan, J. A. Zahlbegriff und Handlungsrythmus bei einem Affen. *Zool. Jb., Abt. 3*, 1935, **54**, 267-288. [7t-r: Mc]

3490. Bierens de Haan, J. A. Versuche über das Erfassen räumlicher Beziehungen in wagenrechter und senkrechter Richtungen bei einigen niederen Affen. *Z. Tierpsychol.*,* 1937, **1**, 219-240. [1f-8t-r: C-c Mc]

3491. Bierens de Haan, J. A. & Kooyman, Dina. Bildung und Zerstörung von Handlungsrythmen bei einem Schweinsaffen. *Arch. néerl. Zool.*,* 1936, **2**, 143-159. [1f-4t-6r: Mc]

3492. Carpenter, C. R. & Locke, N. M. Notes on symbolic behavior in a cebus monkey (*Capucinus appella*). *J. genet. Psychol.*,* 1937, **51**, 267-278. [5t-9r: Ceb]

3493. Gallis, P. Les animaux savent-ils compter? (Note préliminaire.) *Bull. Soc. Sci. Liège*, 1932, **1**, 82-84. [+++ 2t: Mc]

3494. Gellermann, L. W. The double alternation problem: I. The behavior of monkeys in a double alternation temporal maze. *J. genet. Psychol.*,* 1931, **39**, 50-72. [2f-8t-8r: Mc]

3495. Gellermann, L. W. The double alternation problem: III. The behavior of monkeys in a double alternation box-apparatus. *J. genet. Psychol.*,* 1931, **39**, 359-392. [2pl-2f-9t-9r: Mc]

3496. Kuroda, R. On the counting ability of a monkey (*Macacus cynomolgus*). *J. comp. Psychol.*, 1931, **12**, 171-180. [3t: Mc]

3497. Lambercier, M. L'expérience de "l'es-pèce unique" chez deux singes cynocéphales. *Arch. Psychol., Genève*, 1935, **25**, 179-198. [3f: Pp]

3498. **Marbe, K.** Die Rechenkunst der Schimpansin Basso im Frankfurter Zoologischen Garten nebst Bemerkungen zur Tierpsychologie und einem offenen Brief an Herrn Krall. *Fortschr. Psychol.*, 1917, 4, 135-185. [2pl-nt: Pn]

3498a. **Pander, H.** Die Rechenkunst der Frankfurter Schimpansin im Lichte der Psychologie. *Naturw. Wschr.*, 1916, 31, 564-565. [based on no. 3498]

3499. **Révész, G.** Expériences sur la mémoire topographique et sur la découverte d'un système chez des enfants et des singes inférieurs. *Arch. Psychol.*, Genève, 1923, 18, 323-342. [++ 4f-7t: Mc]

3500. **Robinson, E. W.** A preliminary experiment on abstraction in a monkey. *J. comp. Psychol.*, 1933, 16, 231-236. [2f: Mc]

3501. **Tellier, Mariette.** Le macaque saisit-il le rapport logique? *Bull. Soc. Sci. Liège*, 1932, 1, 227-231. [Mc]

3501a. **Verlaine, L.** Le macaque sait-il compter? Notion du nombre ou rythme de préhension. *Bull. Soc. Sci. Liège*, 1938, 7, 51-61.

3501b. **Verlaine, L.** La notion du nombre chez le macaque. Acquisition par synthèse d'unités contiguës dans l'espace. *Bull. Soc. Sci. Liège*, 1938, 7, 135-148. [Mc]

3501c. **Verlaine, L.** La notion du nombre chez le macaque. Acquisition par synthèse d'unités contiguës dans le temps. *Bull. Soc. Sci. Liège*, 1938, 7, 310-321. [Mc]

3502. **Woodrow, H.** Temporal discrimination in the monkey. *J. comp. Psychol.*, 1928, 8, 395-427. [3f-6t: Mc]

3503. **Woodrow, H.** Discrimination by the monkey of temporal sequences of varying number of stimuli. *J. comp. Psychol.*, 1929, 9, 123-157. [3f-4t: Mc]

3504. **Yerkes, R. M.** Ideational behavior of monkeys and apes. *Proc. nat. Acad. Sci., Wash.*, 1916, 2, 639-642. [1f: Png Mc]

3505. **Yerkes, R. M.** Modes of behavioral adaptation in chimpanzee to multiple-choice problems. *Comp. Psychol. Monogr.*, 1934, 10, no. 47, 108 pp. [3f-33t-r: Pn]

See also: 3308, 3313, 3316, 3319, 3320, 3430, 3440, 3454, 3455, 3467, 3483; oddity, 3384, 3454, 3455, 3456, 3497, 3500; counting, 3314, 3410, 3411, 3489, 3491, 3493, 3496, 3498, 3498a, 3501a, 3501b, 3501c, 3503, 3595, 3804; multiple choice, 3490.

INSIGHTFUL BEHAVIOR (PRIMARY PROBLEM SOLUTION)

(instrumentation, box-stacking, detour, &c.)

3506. **Bierens de Haan, J. A.** Die Baukunst eines niederen Affen (*Cebus hypoleucus* Humb.). *Tijdschr. ned. dierk. Ver.*, 1930, (3), 2, 23-27, pl. 2. [Ceb]

3506a. **Bierens de Haan, J. A.** Über das Suchen nach verstecktem Futter bei Affen und Halbaffen. Zugleich ein Beitrag zu der Frage nach dem konkreten Verständnis dieser Tiere. *Z. vergl. Physiol.*, 1930, 11, 630-655.

[+++ 2t-16r: C-p C-c Mc Pp Lm]

3507. **Bierens de Haan, J. A.** Werkzeuggebrauch und Werkzeugherstellung bei einem niederen Affen (*Cebus hypoleucus* Humb.). *Z. vergl. Physiol.*, 1931, 13, 639-695.

[9f-32r: Gr Pn Png Hyl Ceb]

3508. **Bingham, H. C.** Chimpanzee translocation by means of boxes. *Comp. Psychol. Monogr.*, 1929, 5, no. 25, 91 pp., 4 pls. [5t-11r: Pn]

3509. **Bingham, H. C.** Selective transportation by chimpanzees. *Comp. Psychol. Monogr.*, 1929, 5, no. 4, 45 pp., 4 pls. [1f-2t: Pn]

3510. **Brainard, P. P.** The mentality of a child compared with that of apes. *J. genet. Psychol.*, * 1930, 37, 268-293. [+ 6f-1t-2r]

3511. **Drescher, K. & Trendelenburg, W.** Weiterer Beitrag zur Intelligenzprüfung an Affen (einschliesslich Anthropoiden). *Z. vergl. Physiol.*, 1927, 5, 613-642. [7f: Pn Png Hyl Mc Pp]

3512. **Fischel, W.** Weitere Untersuchung der Ziele der tierischen Handlung. *Z. vergl. Physiol.*, 1930, 11, 523-438. [+ 6f-t-19r: Lm]

3513. **Fischel, W.** Affekt, Gedächtnis und Leistung bei Wirbeltieren. *Z. Tierpsychol.*, * 1938, 2, 198-220. [+ 13f: C-p]

3514. **Guillaume, P. & Meyerson, I.** Quelques recherches sur l'intelligence des singes. (Communication préliminaire). *J. Psychol. norm. path.*, 1930, 27, 92-97.

3515. **Guillaume, P. & Meyerson, I.** Recherches sur l'usage de l'instrument chez les singes. I. Le problème du détour. *J. Psychol. norm. path.*, 1930, 27, 177-236, 4 pls.

[17f: Gr Pn Png Hyl C-p C-c Mc Pp Atl]

3516. **Guillaume, P. & Meyerson, I.** Recherches sur l'usage de l'instrument chez les singes. II. L'intermédiaire lié à l'objet. *J. Psychol. norm. path.*, 1931, 28, 481-555.

[3pl-42f: Pn Png C-p Atl]

3517. **Guillaume, P. & Meyerson, I.** Recherches sur l'usage de l'instrument chez les singes. III. L'intermédiaire indépendant de l'objet. *J. Psychol. norm. path.*, 1934, 31, 497-554.

[6pl-12f: Gr Png Hyl C-c Mc Pp Atl]

3518. **Guillaume, P. & Meyerson, I.** Recherches sur l'usage de l'instrument chez les singes. IV. Choix, correction, invention. *J. Psychol. norm. path.*, 1937, 34, 425-448, 2 pls. [1f-2t: Pn]

3519. **Harlow, H. F. & Settlage, P. H.** Comparative behavior of primates. VII. Capacity of monkeys to solve patterned string tests. *J. comp. Psychol.*, 1934, 18, 423-435. [2f-3t-14r: C-p C-c Mc Pp Mndr Ceb Atl]

3520. Klüver, H. Re-examination of implement-using behavior in a *Cebus* monkey after an interval of three years. *Acta psychol., The Hague*,* 1937, 2, 347-397. [3f-15r: Ceb]
3521. Köhler, W. Intelligenzprüfungen an Anthropoiden. I. *Abh. preuss. Akad. Wiss., Physik.-math. Kl.*, 1917, no. 1, 213 pp., 3 pls. [Pn]
3522. Köhler, Wolfgang. *Intelligenzprüfungen zu Menschenaffen*. Berlin: J. Springer, 1921, 194 pp., 7 pls. [19f: Pn]
3523. Köhler, Wolfgang. *The mentality of apes*. New York: Harcourt, Brace & co., 1925, viii, 342 pp., 9 pls. [19f: Pn]
3524. Köhler, W. Intelligence in apes. (Powell Lectures in psychological theory.) In: *Psychologies of 1925*. Worcester, Mass.: Clark University, 1926, pp. 145-161. [Pn]
- 3524a. Leruth, R. La notion de la roue chez le macaque, (première note). *Bull. Soc. Sci. Liège*, 1936, 5, 64-68. [Mc]
- 3524b. Leruth, R. La notion de la roue chez le macaque. II.—L'indicateur du sens de rotation. *Bull. Soc. Sci. Liège*, 1936, 5, 98-101. [Mc]
- 3524c. Leruth, R. La notion de la roue chez le macaque. III.—La notion générale de la rotation. *Bull. Soc. Sci. Liège*, 1936, 5, 131-134. [Mc]
- 3524d. Leruth, R. La notion de la roue chez le macaque. IV.—Écartement d'un obstacle à la rotation. *Bull. Soc. Sci. Liège*, 1936, 5, 178-182. [Mc]
- 3524e. Leruth, R. La notion de la roue chez le macaque. V.—Transmission du mouvement d'un disque à un autre. *Bull. Soc. Sci. Liège*, 1937, 6, 86-90. [Mc]
3525. Lindemann, E. Untersuchungen über primitive Intelligenzleistungen hochgradig Schwachsinniger und ihr Verhältnis zu den Leistungen von Anthropoiden. *Z. ges. Neurol. Psychiat.*, 1926, Orig., 104, 529-569. [+ 5f-38r: Pn Affe]
3526. McDougall, K. D. & McDougall, W. Insight and foresight in various animals—monkey, raccoon, rat, and wasp. *J. comp. Psychol.*, 1931, 11, 237-273. [+ 10f: Mc]
3527. Nellmann, H. & Trendelenburg, W. Ein Beitrag zur Intelligenzprüfung niederer Affen. *Z. vergl. Physiol.*, 1926, 4, 142-200. [29f-r: Mc Pp]
3528. Shepherd, W. T. Tests on adaptive intelligence in dogs and cats, as compared with adaptive intelligence in rhesus monkeys. *Amer. J. Psychol.*, 1915, 26, 211-216. [++ 3i: Mc]
3529. Shepherd, W. T. Some observations and experiments of the intelligence of the chimpanzee and orang. *Amer. J. Psychol.*, 1923, 34, 590-591. [Pn Png]
3530. Verlaine, L. & Gallis, P. L'intelligence des singes inférieurs. *Mém. Soc. Sci. Liège*, 1932, 17, no. 3, 48 pp. [nr: Mc Ceb]
3531. Yerkes, R. M. & Spragg, S. D. S. La mesure du comportement adapté chez les chimpanzés. *J. psychol. norm. path.*, 1937, 34, 449-474. [6t-1f-9r: Pn]
- See also: 3110, 3115, 3302, 3305, 3308, 3313, 3315, 3316, 3317, 3319, 3320, 3321, 3412, 3460, 3474, 3477, 3504, 3607a, 3714; spontaneous instrumentation, 3630, 3631, 3643, 3743, 3764, 3766, 3798, 3868.

Reproductive & Social Behavior

GENERAL

See: 2757, 2764, 2779, 2781, 2782, 2823, 2885, 2912, 2924.

PRIMARY SEX BEHAVIOR

3532. Ball, Josephine & Hartman, C. G. Sexual excitability as related to the menstrual cycle in the monkey. *Amer. J. Obstet. Gynaec.*, 1935, 29, 117-119. [If: monkey]

3533. Ball, Josephine. Sexual responsiveness and temporally related physiological events during pregnancy in the rhesus monkey. *Anat. Rec.*, 1937, 67, 507-512. [If-13r: Mc]

3534. Bingham, H. C. Sex development in apes. *Comp. Psychol. Monogr.*, 1928-29, 5, no. 23, 165 pp., 1 pl. [3f-33r: Gr Pn Pp]

3535. Brandes, G. Die Begattung der Orangs. *Zool. Gart., Lpz.*, 1930, n.f., 3, 216-217. [Png]

3536. Hamilton, G. V. A study of sexual tendencies in monkeys and baboons. *J. Anim. Behav.*, 1914, 4, 295-318. [Mc Pp]

3537. Hamilton, G. V. *An introduction to objective psychopathology*. St. Louis: G. V. Mosby co., 1925, 354 pp. [Mc]

3538. Kempf, E. J. The social and sexual behavior of infrahuman primates, with some comparable facts in human behavior. *Psychoanal. Rev.*, 1917, 4, 127-154. [+++ monkey]

3539. Kempf, E. J. Social and sexual behavior of monkeys with some comparable facts in human sexual behavior. *Amer. J. Urol.*, 1918, 14, 82-86. [++ Mc]

3540. Miller, G. S., Jr. The primate basis of human sexual behavior. *Quart. Rev. Biol.*, 1931, 6, 379-410. [++ nr: Pn Png Mc Pp]

3541. Miller, G. S., Jr. Some elements of sexual behavior in primates and their possible influence on the beginnings of human social development. *J. Mammal.*, 1928, 9, 273-293. [Gr Pn Mc Pp]

3542. Sokolowsky, A. The sexual life of the anthropoid apes. *Urol. cutan. Rev.*, 1923, 27, 612-615. [3f: Gr Pn Png]

3543. Tinklepaugh, O. L. Le comportement sexuel chez les chimpanzés et les singes inférieurs, considéré comme une réaction de substitution consécutive à des troubles émotionnelles. *J. Psychol. norm. path.*, 1933, 30, 930-954. [21r: Pn Mc]

See also: 365, 2922a, 2927b, 3322, 3549, 3555, 3557, 3558, 3564, 3573, 3575, 3576, 3583, 3588, 3593, 3657, 3716, 3772, 3803, 3857.

MATERNAL & PATERNAL BEHAVIOR

(incl. infant-mother behavior)

3544. von Allesch, G. J. Geburt und erste Lebensmonate eines Schimpansen. *Naturwissenschaften*, 1921, 9, 774-776. [Pn]

3545. von Allesch, G. J. Bericht über die drei ersten Lebensmonate eines Schimpansen. *S. B. preuss. Akad. Wiss.*, 1921, (1), 672-685. [Pn]

3546. Aulmann, G. Geglückte Nachzucht eines Orang-Utan im Düsseldorfer Zoo. *Zool. Gart., Lpz.*, 1932, n.f., 5, 81-90. [5f: Png]

3547. Bingham, H. C. Parental play of chimpanzees. *J. Mammal.*, 1927, 8, 77-89, pls. 8-9. [Pn]

3548. Blair, W. R. Notes on the birth of a chimpanzee. *Bull. N. Y. zool. Soc.*, 1920, 23, 105-111. [9f: Pn]

3548a. Brandes, G. Die Stillzeit des Orang. *Zool. Gart., Lpz.*, 1938, n.f., 10, 139-141. [Png]

3549. Coolidge, H. J., Jr. Notes on a family of breeding gibbons. *Hum. Biol.*, 1933, 5, 288-294. [4f: Hy]

3550. Spence, K. W. Réactions des mères chimpanzées à l'égard des enfants chimpanzés après séparation. *J. Psychol. norm. path.*, 1937, 34, 475-493, 1 pl. [12t-4r: Pn]

3551. Spiegel, A. Biologische Beobachtungen an Javamakaken, *Macacus irus* F. Cuv. (*cynomolgus* L.). Geburt und Entwicklung während der ersten Lebensmonate. *Zool. Anz.*, 1929, 81, 45-65. [11f-1t-r: Mc]

3552. Tinklepaugh, O. L. & Hartman, C. G. Behavioral aspects of parturition in the monkey (*Macacus rhesus*). *J. comp. Psychol.*, 1930, 11, 63-98. [3pl-18r: Mc]

3553. Tinklepaugh, O. L. & Hartman, C. G. Behavior and maternal care of the newborn monkey (*Macaca mulatta*—"M. rhesus"). *J. genet. Psychol.*,* 1932, 40, 257-286. [3pl-1t-14r: Mc]

3554. Hartman, C. G. & Tinklepaugh, O. L. Weitere Beobachtungen über die Geburt beim Affen *Macacus rhesus*. *Arch. Gynaek.*, 1932, 149, 21-37. [3f-2t-r: Mc]

3555. Montané, L. Notas sobre un chimpancé nacido en Cuba. *Mem. Soc. cubana Hist. nat.*, 1915, 1, 259-269, 4 pls. [Pn]

3556. Montané, L. A Cuban chimpanzee. *J. Anim. Behav.*, 1916, 6, 330–333. [Pn]

3557. Montané, L. Notes sur un chimpanzé né à Cuba. *Arch. mens. Obstét.*, 1918, 10, 323–326. [If: Pn]

3558. Montané, L. Histoire d'une famille de chimpanzés; étude physiologique. *Bull. Soc. Anthropol. Paris*, 1928, (7), 9, 14–35. [4f-20r: Pn Png Hyl]

3559. Yerkes, R. M. Maternal instinct in a monkey. *J. Anim. Behav.*, 1915, 5, 403–405. [Mc]

3560. Yerkes, R. M. & Tomilin, M. I. Mother-infant relations in chimpanzee. *J. comp. Psychol.*, 1935, 20, 321–359. [6pl-3t: Pn]

See also: 2775, 2781, 2908, 2909, 2911, 2912, 2915, 2916, 2919, 2921, 2922a, 2924, 2927, 2929, 2934, 2936, 3319, 3427, 3434, 3435, 3564, 3583, 3701, 3784, 3785, 3799, 3822, 3823, 3847, 3857, 3862, 3865, 3873, 3886, 3903, 3906, 3909, 3911, 4015, 4049.

SOCIAL GROUPS & SOCIALLY SIGNIFICANT BEHAVIOR

(groups, leadership & dominance, imitation, communication, food-sharing, &c.)

3561. Alverdes, Friedrich. *Social life in the animal world*. New York: Harcourt, Brace & co., 1927, ix, 216 pp. [+ nr]

3562. Aronowitsch, G. & Chotin, B. Über die Nachahmung bei den Affen (*Macacus rhesus*). *Z. Morph. Ökol. Tiere*, 1929, 16, 1–25. Also: *Nov. refl. fiziol. nerv. sist.*,* 1929, 3, 378–398. [6f-16r: Mc]

3563. Briffault, Robert. *The mothers. A study of the origins of sentiments and institutions*. London: G. Allen & Unwin, 1927, vol. 1, xix, 781 pp. [Review]

3564. Carpenter, C. R. A field study of the behavior and social relations of howling monkeys (*Alouatta palliata*). *Comp. Psychol. Monogr.*, 1934, 10, no. 48, 168 pp., 1 pl. [16pl-3f-3t-72r: Al]

3565. Coolidge, H. J., Jr. The apes in animal sociology. *Harv. Alumni Bull.*,* 1933, 36, 363–366. [3f: Gr Pn Png]

3566. Crawford, M. P. The coöperative solving of problems by young chimpanzees. *Comp. Psychol. Monogr.*, 1937, 14, no. 2, 88 pp. [1pl-4f-3t-nr: Pn]

3567. Crawford, M. P. The social psychology of the vertebrates. *Psychol. Bull.*, 1939, 36, 407–446. [+ 177r-review]

3568. Descamps, P. Les différences sociologiques entre les sauvages et les anthropoïdes. *Anthropologie, Paris*, 1920, 30, 137–147. [Pn Png]

3569. Dolin, A. O. & Palatnik, S. A. (Investigation of the behaviour of monkeys in a group, according to the method of conditioned reflexes.) *Ark. biol. Nauk*,* 1935, 37, 113–141. [2f-nt-Russ. with Engl. abstr.: Pp]

3570. Harlow, H. F. & Yudin, H. C. Social behavior of primates. I. Social facilitation of feeding in the monkey and its relation to attitudes of ascendance and submission. *J. comp. Psychol.*, 1933, 16, 171–185. [2f-2t: Mc]

3571. Köhler, W. Aus der Anthropoidenstation auf Teneriffa. V. Zur Psychologie des Schimpansen. *S. B. preuss. Akad. Wiss.*, 1921, (1), 686–691. [Pn]

3572. Kroeber, A. L. Sub-human culture beginnings. *Quart. Rev. Biol.*, 1928, 3, 325–342. [+++ Pn]

3573. Maslow, A. H. Individual psychology and the social behavior of monkeys and apes. *Int. J. Individ. Psychol.*,* 1935, 1, 47–59. Also: *Int. Z. Individ.-Psychol.*, 1936, 14, 14–25. [10r: Pn C-c Pp]

3574. Maslow, A. H. The rôle of dominance in the social and sexual behavior of infra-human primates: I. Observations at Vilas Park Zoo. *J. genet. Psychol.*,* 1936, 48, 261–277. [19r: Hyl C-p C-c Mc Pp Mndr Ceb Atl]

3575. Maslow, A. H. & Flanzbaum, S. The rôle of dominance in the social and sexual behavior of infra-human primates: II. An experimental determination of the behavior syndrome of dominance. *J. genet. Psychol.*,* 1936, 48, 278–309. [16t-21r: C-p Mc Ceb]

3576. Maslow, A. H. The rôle of dominance in the social and sexual behavior of infra-human primates: III. A theory of sexual behavior of infra-human primates. *J. genet. Psychol.*,* 1936, 48, 310–338. [32r]

3577. Nissen, H. W. & Crawford, M. P. A preliminary study of food-sharing behavior in young chimpanzees. *J. comp. Psychol.*, 1936, 22, 383–419. [2f-5t-9r: Pn]

3578. Révész, G. Sozialpsychologische Beobachtungen an Affen. I. *Z. Psychol.*, 1930, 118, 142–162. [8r: C-c Mc Pp]

3579. Yerkes, R. M. Suggestibility in chimpanzee. *J. soc. Psychol.*, 1934, 5, 271–282. [2f-2t: Pn]

3580. Yerkes, R. M. A chimpanzee family. *J. genet. Psychol.*,* 1936, 48, 362–370. [2f-16r: Pn]

3581. Yerkes, R. M. Genetic aspects of grooming, a socially important primate behavior pattern. *J. soc. Psychol.*, 1933, 4, 3–25. [7r: Gr Pn Hyl Ceb Atl Al Lm]

3581a. Yerkes, R. M. A résumé of three lectures on "Social relations in monkey, ape and man." *Bull. Wagner Inst. Sci. Philad.*, 1933, 8, 66–71.

3582. Yerkes, R. M. & Yerkes, Ada W. Social behavior in infrahuman primates. In: *A handbook of social psychology*. Worcester, Mass.: Clark Univ. Press, 1935, xii, 1195 pp.
[13f-nr: Pn Pp Al]

3583. Zuckerman, Solly. *The social life of monkeys and apes*. London: Kegan Paul, [etc.], 1932, xii, 357 pp., 24 pls. [402r: Mc Pp]

3583a. Zuckerman, S. *La vie sexuelle et sociale des singes*. Paris: Gallimard, 1937, 253 pp. 8 pls. [Abbr. transl. of no. 3583]

See also: 2782, 3321, 3322, 3331, 3534, 3538, 3539, 3540, 3541, 3542, 3555, 3558, 3588, 3597, 3637, 3654, 3657, 3721, 3778, 3781, 3811, 3818, 3820, 3821, 3827a, 3850, 3857, 3858, 3872.

HYPNOSIS, CATALEPSY & INACTIVE STATES

3584. Claparède, E. État hypnoïde chez un singe. *Arch. Sci. phys. nat.*, 1911, 32, 161.
[Abstr.: Pp]

3585. Foley, J. P., Jr. Tonic immobility in the rhesus monkey (*Macaca mulatta*) induced by manipulation, immobilization, and experimental inversion of the visual field. *J. comp. Psychol.*, 1938, 26, 515-526. [32r: Mc]

See also: 3116, 3603, 3916.

PSYCHOPATHOLOGY, PSYCHOANALYSIS & UNADAPTIVE BEHAVIOR IN GENERAL

3586. Hermann, I. Zur Psychologie der Schimpansen. *Int. Z. (ärztl.) Psychoanal.*, 1923, 9, 80-87. [Pn]

3587. Hermann, I. Modelle zu den Ödipus- und Kastrationskomplexen bei Affen. *Imago, Lpz.*, 1926, 12, 59-69. [Pn Png]

3588. Hermann, I. Zum Triebleben der Primaten. Bemerkungen zu S. Zuckerman: *Social life of monkeys and apes*. *Imago, Lpz.*, 1933, 19, 113-124.

See also: 3115, 3433, 3537, 3538, 3540, 3543, 3559, 3576, 3606, 3644, 3836, 3849, 3852, 4039.

Observational Psychobiology

Habits in Nature & Captivity

PRIMATES IN GENERAL

3589. Antonius, O. Ist die Schlangenfurcht den Affen angeboren? *Zool. Gart., Lpz.*, 1929, n.f., 1, 222-223.

[Pn Png C-p Ery-c Mc Pp Ceb]

3590. Bates, G. L. Notes on the mammals of southern Cameroons and the Benito. *Proc. zool. Soc. Lond.*, 1905, (1), 65-85.

[++ Gr Pn C-p Mndr Prdct Glg]

3590a. Brehm, Alfred. *Die Säugetiere*. Neuarbeitet von Max Hilzheimer und Ludwig Heck. *Vierter Band: Paarhufer—Halbaffen—Affen*. (Vol. 13 of Brehms *Tierleben. Allgemeines Kunde des Tierreichs*, herausgegeben von Prof. Dr. Otto zur Strassen.) Leipzig: Bibliographisches Institut, 1922, xx, 714 pp., 79 pls. [++ 86f: all genera]

3591. Broderip, W. J. Recreations in natural history.—VI. Monkeys of the old continent, &c. *New mon. Mag., Lond.*,* 1838, (1), 88-99.

[Pn Hyl Symph Prsb C-p C-c Mc Pp Mndr]

3592. Broderip, William John. *Zoological recreations*. Philadelphia: Lea & Blanchard, 1849, 2nd ed., vi, 376 pp.

3593. Freund, L. Zur Sexualbiologie der Affen. *Lotos*, 1921, 69, 253-267.

[12r-review: Gr Pn Mc]

3594. Garner, Richard Lynch. *The speech of monkeys*. New York: C. L. Webster & co., 1892, xiv, 217 pp., 1 pl. [Pn Mc Pp Ceb Atl]

3595. Garner, Richard Lynch. *Apes and monkeys; their life and language*. With an introduction by Edward Everett Hale. Boston: Ginn & co., 1900, xiii, 297 pp. [Gr Pn Ceb]

3596. Hornaday, William Temple. *Two years in the jungle. The experiences of a hunter and naturalist in India, Ceylon, the Malay Peninsula, and Borneo*. New York: Charles Scribner's Sons, 1885, xx, 512 pp., 2 maps [Png Hyl Tars]

3597. Knottnerus-Meyer, Theodore Christian Bernhard. *Birds and beasts of the Roman zoo. Some observations of a lover of animals*. Translated from German by Bernard Miall. New York: The Century co., 1928, vi, 378 pp., 40 pls. [++ Pn Png monkey]

3598. Leuret, Fr. *Anatomie comparée du système nerveux considérée dans ses rapports avec l'intelligence*. Paris: J. B. Baillière, 1839, vol. 1, xiii, 592 pp.

3599. Loveridge, A. Notes on East African mammalia (other than horned ungulates) collected or kept in captivity 1915-1919. Part II. *J. E. Afr. Ug. nat. Hist. Soc.*, 1922, no. 17, 39-69. [+ Clb Pp Lm Glg]

3600. Mahoudeau, P.-G. L'origine de la musique vocal chez les primates. *Rev. anthrop.*, 1914, 24, 195-200. [++ Hyl Ceb Al]

3600a. Meunier, Victor. *Avenir des espèces: Les singes domestiques*. Paris: Maurice Dreyfous, 1886, vi, 402 pp.

3601. Miller, Harriet M. *Four-handed folk*. Boston: Houghton, Mifflin & co., 1896, v, 201 pp. [Pn Png Atl Hap Lm]

3602. Mitchell, P. C. & Pocock, R. I. On the feeding of reptiles in captivity. With observations on the fear of snakes by other vertebrates. *Proc. zool. Soc. Lond.*, 1907, (2), 785-794.

[+ Pn Png Hyl Atl monkey]

3603. Mjöberg, Eric Georg. *Forest life and adventures in the Malay Archipelago*. (Trans. from the Swedish by Anna Barwell.) London: George Allen & Unwin, 1930, 201 pp., 83 pls., 1 map.

[+ Png Hyl Nas Mc Tars]

3604. von Oertzen, Jasper. *In Wildnis und Gefangenschaft. Kameruner Tierstudien*. Berlin: Wilhelm Süsserott, 1913, xi, 106 pp., n. pls., 1 map. [+ Gr Pn Clb C-p C-c Pp Mndr]

3605. Osborn, A. R., (Mrs.) *Almost human: reminiscences from the Melbourne Zoo*. Melbourne: Whitcombe & Tombs, [1912], 9 + 237 pp. [+ nf: Png Pp monkey]

3606. Pfungst, O. Biologische Untersuchungen an Alt- und Neuweltaffen. *Med. Welt.*, 1933, 7, 1013-1016. [8f: Pn Mc]

3606a. Romanes, George J. *Animal intelligence*. London: Kegan Paul, Trench & co., 1882, xiv, 520 pp.

3607. Royer, Clémence. Facultés mentales et instincts sociaux des singes. *Rev. sci., Paris*, 1886, (3), 12, (2), 257-270. Engl. transl.: *Pop. Sci. Mon.*, 1886, 30, 17-24.

[Pn C-p Pp Atl Indr]

3607a. Schmid, B. Vergleichend biologische und psychologische Beobachtungen und Versuche an drei Meerkatzenartigen (Cercopithecidae) und einem schwarzen Brüllaffen (*Alouatta caraya* Humboldt). *Z. Säugetierk.*, 1934, 9, 164-187, pls. 10-12. [C-p Mc Al]

3608. Shelford, Robert W. C. *A naturalist in Borneo, by the late Robert W. C. Shelford*. London: T. Fischer Unwin, 1916, xxvii, 331 pp., 32 pls. [Png Mc Nyct-c Tars]
3609. Sigel, W. L. *Beobachtungen aus dem Tierleben im Zoologischen Garten zu Hamburg*. *Zool. Gart., Frankfurt*, 1883, 24, 235-240. [Pn Mndr]
3610. Tennent, James Emerson. *Sketches of the natural history of Ceylon; with narratives and anecdotes illustrative of the habits and instincts of mammalia, birds, reptiles, fishes, insects, &c., including a monograph of the elephant*. London: Longman, Green, [etc.], 1861, xiii, 500 pp., 10 pls. [72f: Prsb Lor]
3611. Watertown, Charles. *Essays on natural history*. Edited, with a life of the author, by Norman Moore. London: Frederick Warne & co., 1870, 631 pp.
3612. Yerkes, R. M. & Yerkes, Ada W. Individuality, temperament, and genius in animals. *Amer. Mus. J.*, 1917, 17, 234-243. [+ 9f: Pn Mc]
- Habits in nature & captivity*
PONGIDAE & HYLOBATIDAE
3613. Aschmeier, C. R. On the gorilla and the chimpanzee. *J. Mammal.*, 1921, 2, 90-92. [Gr Pn]
3614. Aschmeier, C. R. Beds of the gorilla and chimpanzee. *J. Mammal.*, 1922, 3, 176-178. [Gr Pn]
3615. Barns, Thomas Alexander. *Across the great craterland to the Congo, a sequel to "The wonderland of the eastern Congo"*. With an introduction by J. W. Gregory. London: E. Benn, 1923, 276 pp., 66 pls. [++ 1f: Gr Pn]
3616. Behm, H. W. Zum Geistesleben der Menschenaffen. *Prometheus*, 1915, 27, 1-5. [7f-3r: Gr Pn Png Hyl]
3617. Brandes, G. Mit Gorilla und Schimpanse im Schlafwagenabteil über den Sankt Gothard. *Zool. Gart., Lpz.*, 1928, n.f., 1, 42-44. [Gr Pn Png]
3618. Brown, A. E. The kindred of man. *Amer. Nat.*, 1883, 17, 119-130. [Pn Png]
3619. Burton, Richard F. *Two trips to gorilla land and the cataracts of the Congo*. London: Sampson Low, Marston, [etc.], 1876, vol. 1, xiv, 261 pp. [+ Gr Pn]
3620. Coolidge, H. J., Jr. The living Asiatic apes. An account of the Asiatic (Harvard) primate expedition. *Harv. Alumni Bull.*, *1938, 40, 979-988. [8f: Png Hyl Nas]
3621. de Cuvry. Meine Beobachtungen an Menschenaffen. *Zool. Beob.*, 1920, 61, 153-158. [Gr Pn]
3622. Deniker, J. Sur les singes anthropoïdes de la ménagerie Bidel. *Bull. Soc. zool. Fr.*, 1882, 7, 301-304. [Pn Png]
- 3622a. Deniker, [J.] Sur l'orang et le chimpanzé exposés par M. Bidel à Paris. *Bull. Soc. Anthrop. Paris*, 1882, (3), 5, 333-341. [Pn Png]
3623. Du Chaillu, Paul. *Stories of the gorilla county. Narrated for young people*. New York: Harper & Bros., 1868, xii, 292 pp., 8 pls. [+ f: Gr Pn]
3624. Friedel, E. Die drei Anthropomorphen des Berliner Aquariums. *Zool. Gart., Frankfurt*, 1876, 17, 73-77. [Pn Png]
3625. Garner, Richard Lynch. *Gorillas & chimpanzees*. London: Osgood, McIlvaine & co., 1896, x, 271 pp., 19 pls. [Gr Pn]
3626. Gray, J. E. On the habits of the gorilla and other tailless long-armed apes. *Proc. zool. Soc. Lond.*, 1861, 212-213. [Gr Pn Symp]
3627. Hachet-Souplet, P. Nouvelles recherches sur la psychologie des singes. *Rev. sci., Paris*, 1935, 73, 561-568. [Gr Pn Mc]
3628. Hagenbeck, Carl. *Beasts and men*. London: Longmans, Green & co., 1909, xiii, 299 pp., pls., figs. [Gr Pn Png]
3629. Hermes, O. Anthropomorphe Affen des Berliner Aquarium. *Z. Ethn.*, 1876, 8, Verh., 88-94, pls. 3, 15-16. [Pn Png Hyl]
3630. Hornaday, W. T. Negative results of in-and-in breeding among wild animals: mental traits of oranges and chimpanzees. *7th Int. Congr. Zool., Boston*, 1907 [1912], 162-164. [Abstr.: Pn Png]
3631. Hornaday, William Temple. *The minds and manners of wild animals. A book of personal observations*. New York: Charles Scribner's Sons, 1922, x, 328 pp., pls. [Gr Pn Png]
3632. Hornaday, William Temple. *Tales from nature's wonderlands*. New York: Charles Scribner's Sons, 1924, xii, 235 pp. [Gr Pn]
3633. Hornaday, William Temple. *A wild-animal round-up. Stories and pictures from the passing show*. New York: Charles Scribner's Sons, 1925, xii, 372 pp., pls.
3635. Knauer, Friederich. *Menschenaffen: ihr Frei- und Gefangenleben*. Leipzig: Theod. Thomas, [1915], 96 pp. [++ 26f: Gr Pn Png]
3636. Moszkowski, M. Biologische Notizen aus Zentralsumatra. *S. B. Ges. naturf. Fr. Berl.*, 1908, 69-89. [+ 6f: Png Hyl Symp Mc]
3637. Reichenow, E. Biologische Beobachtungen an Gorilla und Schimpanse. *S. B. naturf. Fr. Berl.*, 1920, 1-40, pl. 1. [1f-r: Gr Pn]
- 3637a. Reichenow, E. Contribución a la biología de los antropomorfos Africanos. In: *Real Sociedad española de Historia natural. Tomo extraordinario. Publicado con motivo del 50° aniversario*.

sario de su fundación, 1921. Madrid: Museo nacional de ciencias naturales, 1921, 337-348, pls. 20-25. [Transl. of no. 3637]

3638. Reichenow, E. Über die Lebensweise des Gorillas und des Schimpansen. *Naturwissenschaften*, 1921, 9, 73-77. [Gr Pn]

3638a. Schneider, K. M. Kann der Schimpanse "brusttrommeln"? *Zool. Gart., Lpz.*, 1938, 9, 161-165. [Gr Pn Png]

3639. Sheak, W. H. Disposition and intelligence of the chimpanzee. *Proc. Ind. Acad. Sci.*, 1917, 301-310. [3pl: Gr Pn]

3640. Sheak, W. H. Anthropoid apes I have known. *Nat. Hist., N. Y.*, 1923, 23, 45-55. [5f: Gr Pn Png Hyl]

3641. Sokolowsky, Alexander. *Beobachtungen über die Psyche der Menschenaffen*. Frankfurt: Neuer Frankfurter Verlag, 1908, 78 pp., 8 pls. [Gr Pn Png]

3642. Sokolowsky, A. Beiträge zur Psychologie der Anthropomorphen. Der Nestbau der Menschenaffen. *Med. Klinik*, 1915, 11, 619-621. [Gr Pn Png Hyl Affe]

3643. Le Souef, A. S. Notes on ape mentality. *Aust. J. Psychol. Phil.*, 1934, 12, 73-76. [Pn Png]

3644. Stemmler-Morath, C. Die Koprophagie, eine Gefangenschafterscheinung bei den Anthropomorphen. *Zool. Gart., Lpz.*, 1937, 9, 159-161. [Pn Png]

3645. Warwick, J. E. The habits and manners of the female Borneo orangutan (*Simia satyrus*), and the male chimpanzee (*Simia troglodytes*), as observed during their exhibition at the Egyptian Hall, in 1831. *Mag. nat. Hist.*, * 1832, 5, 305-309. [Pn Png]

3646. Yerkes, Robert Mearns. *Almost human*. New York: The Century Co., 1925, xxi, 278 pp., n. pls. [+++ 20r: Pn Png Hyl]

Habits in nature & captivity

THE GORILLA

3647. Anon. The young gorilla of the Jardin des Plantes. *Nature, Lond.*, 1884, 30, 128. [1f]

3648. Anon. Notes on Gorilla. *Nigerian Field*, 1934, 3, 92-102.

3649. Akeley, C. E. Gorillas—real and mythical. *Nat. Hist., N. Y.*, 1923, 23, 428-447. [19f]

3650. Akeley, Carl Ethan. *In brightest Africa*. Garden City, N. Y.: Doubleday, Page & co., 1924, xvii, 267 pp., 62 pls.

3651. Allen, J. G. C. Gorilla hunting in Southern Nigeria. *Nigerian Field*, 1931, 1, 4-5.

3652. Babault, G. Note sur la biologie et l'habitat du gorille de Bériné. *Rev. franç. Mamm.*, 1928, 2, 61-63, 1 pl.

3653. Barns, Thomas Alexander. *The wonderland of the eastern Congo; the region of the snow-crowned volcanoes, the pygmies, the giant gorilla, and the okapi*. With an introduction by Sir Harry Johnston. London: G. P. Putnam's Sons, 1922, xxxv, 288 pp.

3654. Bingham, H. C. *Gorillas in a native habitat. Report of a joint expedition of 1929-30 of Yale University and Carnegie Institution of Washington for psychobiological study of mountain gorillas (Gorilla beringei) in Parc National Albert, Belgian Congo, Africa*. *Publ. Carneg. Instn.*, 1932, no. 426, 66 pp. [22pls-5f]

3655. Bradley, Mary Hastings. *On the gorilla trail*. New York: D. Appleton & co., 1922, ix, 266 pp., n. pls.

3656. Burbridge, Ben. *Gorilla. Tracking and capturing the ape-man of Africa*. New York: The Century co., 1928, xi, 323 pp., 31 pls.

3657. Carpenter, C. R. An observational study of two captive mountain gorillas (*Gorilla beringei*). *Human Biol.*, 1937, 9, 175-196, 3 pls. [20r]

3658. Carpenter, G. H. Some notes on the Dublin gorilla. *Irish Nat.*, 1917, 26, 125-130, pls. 3-5.

3659. Chorley, C. W. Note on Uganda gorillas seen during a visit to Mount Sabinio, Christmas, 1927. *Proc. zool. Soc. Lond.*, 1928, (1), 267-268.

3660. Cunningham, A. A gorilla's life in civilization. *Bull. N. Y. zool. Soc.*, 1921, 24, 118-124. [2pl-7f]

3660a. Du Chaillu, Paul Belloni. *Explorations and adventures in Equatorial Africa; with accounts of the manners and customs of the people, and of the chase of the gorilla, crocodile, leopard, elephant, hippopotamus, and other animals*. London: J. Murray, 1861, xviii, 479 pp., 18 pls. [+ 56f: Gr Pn]

3660b. Gray, J. E. Zoological notes on perusing M. Du Chaillu's 'Adventures in Equatorial Africa.' *Ann. Mag. nat. Hist.*, 1861, (3), 7, 463-470.

3660c. Gray, J. E.; Owen, R.; & Walker, R. B. [Correspondence on Du Chaillu.] *Ann. Mag. nat. Hist.*, 1861, (3), 8, 341-349, 1 pl.

3660d. Gray, J. E., et al. The gorilla. [Correspondence on Du Chaillu.] *Athenaeum*, 1861, (2), 372-374; 408-409; 445-446; 478-479. [1f]

3661. Falkenstein. Ein lebender Gorilla. *Z. Ethn.*, 1876, 8, 60-61, pl. 2.

3662. Garner, R. L. The Society's African expedition. *Bull. N. Y. zool. Soc.*, 1914, 17, 1062-1066. [++]

3663. Garner, R. L. Gorillas in their own jungle. *Bull. N. Y. zool. Soc.*, 1914, 17, 1102-1104.

3664. Gregory, W. K. In the land of the gorilla. *Evolution*, 1931, 3, 3-4. [1f]

3665. Gregory, W. K. In quest of gorillas. XI. Gorilla children. *Sci. Mon.*, N. Y., 1936, 43, 211-223. [+ 15f]
3666. Gregory, William K. & Raven, Henry C. *In quest of gorillas*. New Bedford, Mass.: The Darwin Press, 1937, xvi, 241 pp., pls.
3667. Hermes, [O.] Der Gorilla und seine nächsten Verwandten. *Tagebl. Vers. Ges. dtsh. Naturf. Aerzte*, 1876, 49, Beilage, 56-58.
3668. [Hermes, O.] Der Gorilla des Berliner Aquariums und seine Reise nach London. *Zool. Gart., Frankfurt*, 1878, 19, 90-92.
3669. Hermes, O. Aus dem Gefangenleben des Gorilla. *Z. Ethn.*, 1892, 24, Verh., 576-582, pl. 11.
3670. [Hermann, L.] Der Riesengorilla des Museum Umlauff in Hamburg. *Naturw. Wschr.*, 1901, 16, 194-197. [3f]
3671. Ichac, P. Les gorilles. *Nature, Paris*, 1938, 66, 300-305. [9f]
- 3671a. Johnson, Martin. *Congorilla. Adventures with pygmies and gorillas in Africa*. New York: Brewer, Warren [etc.], 1931, xi, 281 pp., 42 pls. [Gr]
3672. von Koppenfels, H. Meine Jagden auf Gorillas. *Gartenlaube*, 1877, 416-420. [1f]
3673. de Langle. Moeurs d'un jeune gorille. *C. R. Acad. Sci., Paris*, 1866, 63, 739-740.
3674. Lankester, Edwin Ray. The gorilla of Sloane Street. In: *Great and small things*. London: Methuen, 1922, xi, 246 pp.
3675. Lenz, [O.] [Letter to Dr. Hartmann concerning a living gorilla.] *KorrespBl. dtsh. Ges. Erforsch. Aequat.-Afr.*, 1875, 256-257.
3676. Maxwell, M. The home of the eastern gorilla. *J. Bombay nat. Hist. Soc.*, 1928, 32, 436-449, 10 pls. [1 map]
3677. Milne-Edwards, A. Sur l'existence d'un gorille à la ménagerie du Muséum d'Histoire naturelle. *C. R. Acad. Sci., Paris*, 1884, 98, 959-960.
3678. Petit, L., aîné. Notes sur le gorille. *Bull. Soc. zool. Fr.*, 1920, 45, 308-313. [5f]
3679. Petit, L., aîné. Observations sur deux jeunes gorilles vivants à Paris. *Bull. Soc. zool. Fr.*, 1926, 51, 140-142. [2f]
3680. Pitman, Charles Robert Senhouse. *A game warden among his charges*. London: Nisbet & co., 1931, xvi, 336 pp., 53 pls.
3681. Pitman, C. R. S. The gorillas of the Kayonsa region, western Kigezi, S. W. Uganda. *Proc. zool. Soc. Lond.* 1935, (2), 477-494, 7 pls. [1f: Gr]
- 3681a. Pitman, C. R. S. The gorillas of the Kayonsa region, western Kigezi, southwest Uganda. *Rep. Smithson. Instn.*, 1936, 253-275, 6 pls. [2f]
3682. Raven, H. C. Gorilla: the greatest of all apes. The adventures of the Columbia University-American Museum Expedition collecting gorillas in the equatorial forests of Africa. *Nat. Hist.*, N. Y., 1931, 31, 231-242. [12f]
3683. Raven, H. C. In quest of gorillas. XII. Hunting gorillas in West Africa. *Sci. Mon.*, N. Y., 1936, 43, 313-334. [++ 10f]
3684. Raven, H. C. Gorillas, men and sleeping sickness. Chapter XIII of "In quest of gorillas" by W. K. Gregory. *Sci. Mon.*, N. Y., 1936, 43, 522-540. [+ 15f]
3685. Reade, W. W. Notes on the Derbyan eland, the African elephant, and the gorilla. *Proc. zool. Soc. Lond.*, 1863, 169-173, pl. 22. [++]
3686. Reade, W. Winwood. *Savage Africa: being the narrative of a tour in equatorial, southwestern, and northwestern Africa* . . . New York: Harpers & Bros., 1864, 452 pp.
3687. Reade, W. W. The habits of the gorilla. *Amer. Nat.*, 1868, 1, 177-180.
3688. Reading, J. H. Habits of the gorilla. *Amer. Nat.*, 1884, 18, 1277-1278.
3689. Sharp, N. A. D. Notes on the gorilla. *Proc. zool. Soc. Lond.*, 1927, (2), 1006-1009.
- 3689a. Sharp, N. A. D. The Cameroon gorilla. *Nature, Lond.*, 1929, 123, 525.
3690. Sokolowsky, A. Die Nahrung des Gorillas. *Umschau*, 1907, 11, 654-655.
3691. Sparks, R. D. Congo: a personality. *Field & Stream*, 1926, 18-20, 72-73. [+++ 4f]
3692. Valker, A. La vie du gorille au Gabon. *Bull. Mus. Hist. nat., Paris*, 1931, (2), 3, 393-398.
3693. Walker, R. B. N. [Letter to T. J. Moore on the shooting of a gorilla.] *Proc. lit. phil. Soc. Lpool*, 1867-68, 22, 5-6.
3694. Walker, R. B. N. Extract from a letter respecting his endeavours to obtain a live gorilla for the Society. *Proc. zool. Soc. Lond.*, 1873, 684-685.
3695. Watertown, Charles. *Essays on natural history*. London: Longman Brown, [etc.], 1858, 3rd series, 2nd ed., xlvii, 290 pp.
3696. Wilhelm, prince of Sweden. *Among pygmies and gorillas with the Swedish zoological expedition to Central Africa 1921*. London: Gylden-dal, 1923, xvi, 296 pp.
- See also: 165, 185, 191, 192, 193, 194a, 194b, 206, 210, 212, 365, 1051, 4024, 4054, 4086 & Mahoudeau, Intr. II; Monboddo, Intr. III.

Habits in nature & captivity
THE CHIMPANZEE

3697. Aranyosi, N. Zweiunddreissig Wörter aus der Affensprache. *Kosmos, Stuttgart*, 1928, 25, 306-309. [2f]

3698. Brehm, [A. E.] Aus dem Leben des Chimpanse. *Z. Ethn.*, 1873, 5, Verh., 80-85.
3699. Broderip, W. J. Observations on the habits, etc. of a male chimpanzee, *Troglodytes niger*, Geoff., now living in the menagerie of the Zoological Society of London. *Proc. zool. Soc. Lond.*, 1835, 160-168. Also: *Phil. Mag.*, 1836, (3), 8, 161-168; and *Notizen Geb. Nat.-Heilk.*,* 47, 273-281. [1f]
3700. Brown, A. E. Intelligence in chimpanzees. *Amer. Nat.*, 1878, 12, 554-556.
3701. Brown, A. E. Grief in the chimpanzee. *Amer. Nat.*, 1879, 13, 173-175.
3702. Buck, J. L. The chimpanzee shaken out of his nest. *Asia.*, 1927, 27, 308-313, 326-328. [5f]
3703. Burrell, H. The nest of a chimpanzee. *J. Mammal.*, 1923, 4, 178-180, pls. 21-22.
3704. Christy, C. C. The habits of chimpanzees in African forests. *Proc. zool. Soc. Lond.*, 1915, 536.
3705. Ebert, R. Ein Beispiel hervorragender tierischer Intelligenz. *Naturw. Wschr.*, 1904, n.f., 3, 378-379. [++]
3706. Eismann, G. Der Chimpanse, *Troglodytes niger*, in Gefangenschaft in Afrika. *Zool. Gart., Frankfurt*, 1886, 27, 24-26.
3707. Garner, R. L. Troops of chimpanzees, on open plains. *Bull. N. Y. zool. Soc.*, 1918, 21, 1566-67.
3708. Guiart, J. Le chimpanzé Consul. *Bull. Soc. zool. Fr.*, 1903, 28, 189-194. [1pl-1f]
3709. Hirschlaff, L. Der Schimpanse Consul; ein Beitrag zur vergleichenden Psychologie. *Z. pädag. Psychol.*, 1905, 7, 1-22, 1 pl. [13r]
3710. Jennison, G. A "nest"-making chimpanzee. *Proc. zool. Soc. Lond.*, 1915, 535-536.
3711. Kearton, Cherry. *My friend Toto. The adventures of a chimpanzee and the story of his journey from the Congo to London.* London: Arrow-smith, 1925, 126 pp., 15 pls.
3712. Kearton, Cherry. *My happy chimpanzee. The adventures of Mary, the wonderful chimpanzee, at the seaside.* London: Arrowsmith, 1927, 124 pp., 24 pls.
3713. Köhler, W. Zur Psychologie des Schimpansen. *Psychol. Forsch.*, 1921, 1, 2-46. [4f-nr]
3714. Köhler, W. Forschungen an Menschenaffen. *Z. Ethn.*, 1921, 52, 461-465.
3715. Mitchell, P. C. Monkeys and the fear of snakes. *Proc. zool. Soc. Lond.*, 1922, (1), 347-348.
3716. Laborde, J.-V. La microcéphalie vraie et la descendance de l'homme. Étude de trois frères microcéphales et d'un jeune chimpanzée femelle. *Rev. Sci., Paris*, 1895, 32, (1), 577-585. [+ 9f]
3717. [Martin, W. C. L.] The chimpanzée. *Knight's Penny Mag.*,* 1836, 5, 57-60. [1f]
3718. Maxwell, T. D. [Note on a young female chimpanzee.] *Proc. zool. Soc. Lond.*, 1926, (2), 940.
3719. Mitchell, C. Pitfield. Notes, with commentations, on the psychology of the chimpanzee (*Troglodytes niger*), now in captivity at the Central Park Menagerie, New York. *J. comp. Med.*, 1885, 6, 38-53.
3720. Möbius, K. Zur Psychologie des Schimpansen. *Zool. Gart., Frankfurt*, 1867, 8, 279-280.
3721. Nissen, H. W. A field study of the chimpanzee. Observations of chimpanzee behavior and environment in Western French Guinea. *Comp. Psychol. Monogr.*, 1931-32, 8, no. 1, 122 pp. [17pl-1t-9r-]
3722. Nissle, C. Beiträge zur Kenntnis der sogenannten anthropomorphen Affen. I. Molly, der Chimpanse des Berliner Aquariums. *Z. Ethn.*, 1872, 4, 201-211.
3723. Nissle, C. Beiträge zur Kenntnis der sogenannten anthropomorphen Affen. III. Die Dresdener Mafuka. *Z. Ethn.*, 1876, 8, 46-59, pl. 1.
3724. Passemard, E. Quelques observations sur les chimpanzés. *J. Psychol. norm. path.*, 1927, 24, 243-253. [1f]
3725. Priemel, K. Aus dem Leben eines Schimpansen. *Ber. senckenb. naturf. Ges.*, 1914, 45, 7-13. [1f]
3726. Raven, H. C. Meshie: the child of a chimpanzee. A creature of the African jungle emigrates to America. *Nat. Hist., N. Y.*, 1932, 32, 158-166. [16f]
3727. Raven, H. C. Further adventures of Meshie: a chimpanzee that has lived most of her life in a New York suburban home. *Nat. Hist., N. Y.*, 1933, 33, 607-617. [11f]
3728. Reichart, P. Schimpanse am Tanganika. *Arch. Naturgesch.*, 1884, 50, (1), 120-124.
3729. Romanes, G. J. Intelligence of chimpanzees. *Nature, Lond.*, 1890, 42, 245-246 and p. 296.
3730. Sayers, H. K. On the habits of the chimpanzee. *Proc. zool. Soc. Lond.*, 1839, 28-31.
3731. Schwidetzky, Georg. *Sprechen Sie Schimpansisch? Einführung in die Tier- und Ursprachenlehre.* Leipzig: Lühe & co., 1931, vii, 80 pp. [1+]
3732. Schwidetzky, Georg. *Schimpansisch, Urmongolisch, Indogermanisch.* Leipzig: Deutscher Verlag, 1932, 94 pp. [1+]
3733. Seiss, C. F. The chimpanzee in confinement. *Amer. Nat.*, 1885, 19, 102.
3734. Sheak, W. H. Some further observations on the chimpanzee. *J. Mammal.*, 1924, 5, 122-129.

3735. Tiedemann, Heinrich. *Beobachtungen an zwei lebenden Chimpanse, masc. et fem.* Bonn: P. Neusser, 1879, 23 pp.

3736. Waldau, G. Till kannedomen om Kammeruns schimpanser. *Fauna och flora*, 1926, 21, 270-272.

3737. Youatt, W. Account of the habits and illness of the late chimpanzee. *Lancet*, 1835-36, (2), 202-206.

3738. Zell, T. Ein Viertelstündchen bei Miesie. *Kosmos, Stuttgart*, 1906, 3, 5-8.

See also: 165, 185, 191, 192, 193, 211, 4024, 4054, 3929 & Matthews, Intr. III; Monboddo, Intr. III.

Habits in nature & captivity
THE ORANG-OUTAN

3739. Anon. [Note on an orang of the Jardin des Plantes.] *Notizen Geb. Nat.-Heilk.*,* 1836, 50, 153-154.

3740. Anon. Orang utan's nest. *Singapore Nat.*, 1924, no. 3, 12-13, 1 pl.

3741. Abel, Clarke. *Narrative of a journey in the interior of China, and of a voyage to and from that country, in the years 1816 and 1817.* London: Longman & co., 1818, xvi, 420 pp., pls. & maps.

3742. Aggazzotti, A. Aus dem Leben eines Orang-Utans. *Umschau*, 1906, 10, 441-446. [7f]

3743. Ashley-Montagu, M. F. A note on the behavior of an orang-utan. *J. Mammal.*, 1930, 11, 231-232.

3744. Bolau, H. Der erste erwachsene Orang-Utan in Deutschland. *Zool. Gart., Frankfurt*, 1894, 35, 97-102. [1f]

3745. Bourns, F. S. An orang hunt in Borneo. *Bull. Minn. Acad. (nat.) Sci.*, 1892-94 [1905], 4, 173-181.

3746. Brandes, G. Das Singen der alten Orangmänner. *Zool. Gart., Lpz.*, 1938, n.f., 10, 31-33.

3747. de Crespigny, C. On Northern Borneo. *Proc. R. geog. Soc. Lond.*,* 1872, 16, 171-183.

3748. Cuvier, F. Description d'un orang-outang, et observations sur ses facultés intellectuelles. *Ann. Mus. Hist. nat. Paris*,* 1810, 16, 46-65.

3749. Cuvier, F. Description of an ourang outang; with observations on its intellectual faculties. *Phil. Mag.*, 1811, (1), 38, 188-199. [Engl. transl. of no. 3748]

3750. Delisle, F. Les oranges-outangs au Jardin zoologique d'Acclimatation du Bois de Boulogne. *Anthropologie, Paris*, 1893, 4, 648-651. [1f]

3751. Grant, J. Account of the structure, manners, and habits of an orang-outang from Borneo, in the possession of George Swinton, Esq., Calcutta. *Edinb. J. Sci.*,* 1828, 9, 1-24. [1f]

3752. Hornaday, W. T. On the species of Bornean orangs, with notes on their habits. *Proc. Amer. Ass. Adv. Sci.*, 1879, 28, 438-455. [1f]

3753. Huth, E. Der grösste und älteste bisher lebend nach Europa gebrachte Orang-Utan im Zoologischen Garten zu Berlin. *Helios, Berl.*, 1895, 13, 85-93.

3754. Lenz, H. Fang grosser Orang-Utans. *Zool. Gart., Frankfurt*, 1895, 36, 10-12.

3755. Mayer, C. On the white man's business in Borneo. *Asia.*, 1923, 23, 664-667, 689. [2f]

3756. Mégnin, P. Tynan, l'orang-outang du Jardin d'Acclimatation. *Nature, Paris*, 1897, 25, (1), 101-102. [1f]

3757. Mohnike, O. Die Affen auf den indischen Inseln. Die Anthropoiden: der Orang-Outan, der Siamang und die Hylobates-Arten. *Das Ausland*, 1872, 45, 660-664, 712-714, 759-762, 800-803, 846-850, 893-895.

3758. Nainggolan, F. J. Oerwoud impressies. 1. Een en ander over den "orang oetan." *Trop. Natuur.*, 1931, 20, 171-173. [+++]

3759. Niclou, H. A. A. Jacob, mijn orang-outan. (Dier, of meer?). *Album der Natuur*, 1882, 195-211.

3760. Nissle, C. Beiträge zur Kenntnis der sogenannten anthropomorphen Affen. II. Ein Orang-Utan. *Z. Ethn.*, 1873, 5, 50-53.

3761. Pocock, R. I. Strange instinct of fear in the orang. *Nature, Lond.*, 1897, 56, 613.

3762. Priemel, K. Einiges über Menschenaffen und deren Pflege im Zoologischen Garten zu Frankfurt a.M. I. Teil. *Zool. Beob.*, 1908, 49, 77-85.

3763. Robinson, B. The orang-outang. *Amer. Practit.*, 1907, 41, 1-6. [2f]

3764. Sanyal, R. B. Notes on animals kept in the Alipore Zoological Garden. No. 1.—Observations on the habits of orang outang in captivity. *J. Asiat. Soc. Beng., Part 2*, 1902, 71, 92-93.

3765. Schmidt, M. Beobachtungen am Orang-Utan. *Zool. Gart., Frankfurt*, 1878, 19, 193-198, 225-233, 266-270, 329-331, 357-359; 1879, 20, 17-19, 50-54, 83-86, 103-105, 178-180, 212-214, 225-228, 267-270; 1881, 22, 97-103.

3766. Sheak, W. H. Disposition and intelligence of the orang-utan. *J. Mammal.*, 1922, 3, 47-51.

3767. Strauch, C. & Brandes, G. Über den Dresdener Orang "Goliath." *Z. Säugetierk.*, 1927, 2, 78-82. [2f]

3768. Wallace, A. R. Some account of an infant "orang-utan." *Ann. Mag. nat. Hist.*, 1856, (2), 17, 386-390. [1f]

3769. Wallace, A. R. On the habits of the orang-utan of Borneo. *Ann. Mag. nat. Hist.*, 1856, (2), 18, 26-32.

3770. Wallace, Alfred Russell. *The Malay Archipelago. The land of the orang-utan, and the bird of paradise. A narrative of travel, with studies of man and nature.* London: Macmillan & co., 1869, vol. 1, xxiii, 478 pp., vol. 2, 524 pp.

3771. von Wenckstern, A. Orang-Utan's von der Ostküste von Sumatra. *KorrespBl. dtsch. Ges. Anthrop.*, 1891, 22, 30-32.

3772. Zedtwitz, F. X. Beobachtungen im Zoologischen Garten Berlin. *Zool. Gart., Lpz.*, 1930, n.f., 2, 278-285. [++ 3f]

See also: 165, 191, 192, 193, 195, 1021 & Foucher de Obsonville; Monboddo, Intr. III.

Habits in nature & captivity

HYLOBATES & SYMPHALANGUS

3773. Ae. Instinct of monkeys. *Nature*, Lond., 1874, 9, 243.

3774. Bennett, G. Account of the *Simia syndactyla*, or unka ape of Sumatra; the anatomy of its larynx, &c. &c. *Mag. nat. Hist.*,* 1832, 5, 131-142. [3f]

3775. Candler, G. Notes on the habits of the hoolock. *Proc. zool. Soc. Lond.*, 1903, (1), 187-190. *J. Bombay nat. Hist. Soc.*, 1904, 15, 700-703.

3776. Carpenter, C. R. Behaviour research on free ranging primates. *J. Siam Soc. (Nat. Hist. Suppl.)*, 1937, 11, 47-52.

3777. Debeaupuis, M. Le gibbon à favoris blancs. *Nature*, Paris, 1924, 52, 137-138. [1f]

3778. Delacour, J. On the Indochinese gibbons (*Hylobates concolor*). *J. Mammal.*, 1933, 14, 71-73.

3779. Kloss, C. B. The white-handed gibbon. *J. Straits Br. Asiat. Soc.*, 1908, 50, 79-80.

3780. Krijgsman, B. J. & Krijgsman-Tiessen, J. Beobachtungen über das Benehmen eines grauen Gibbons (*Hylobates leuciscus*). *Arch. néerl. Zool.*,* 1937, 2, 414-431, pl. 3.

3781. McCann, C. Notes on the colouration and habits of the white-browed gibbon or hoolock (*Hylobates hoolock* Harl.). *J. Bombay nat. Hist. Soc.*, 1933, 36, 395-405, 2 pls.

3782. Mahoudeau, P.-G. La marche bipède du gibbon. *Rev. anthrop.*, 1913, 23, 348-351.

3783. Mahoudeau, P.-G. Les manifestations raisonnées chez les gibbons. *Rev. anthrop.*, 1913, 23, 365-377.

3784. Ogilvie, A. W. Breeding of the gibbon in captivity. *J. nat. Hist. Soc. Siam*, 1923, 6, 137.

3784a. Pocock, R. I. Observations upon a female specimen of the Hainian gibbon (*Hylobates hainanus*), now living in the Society's gardens. *Proc. zool. Soc. Lond.*, 1905, (2), 169-180, pl. 5.

3785. Robinson, S. M. Birth of a white-handed gibbon (*Hylobates lar*) in captivity. *J. Bombay nat. Hist. Soc.*, 1925, 30, 456-458. [1f]

3786. Schmidt, M. Der graue Gibbon, *Hylobates leuciscus* (Schreb.) des zoologischen Gartens in Berlin. *Zool. Gart., Frankfurt*, 1886, 27, 7-14.

3787. Tickell, S. R. Note on the gibbon of Tenasserim, *Hylobates lar*. *J. Asiat. Soc. Beng.*, 1864, 33, (1), 196-199, 1 pl. *Ann. Mag. nat. Hist.*, 1864, (3), 14, 360-363.

3788. Tissandier, A. Le siamang au Jardin zoologique de Londres. *Nature*, Paris, 1899, 27, (1), 119-120. [1f]

3789. Westenhöfer, M. Der Gang des Gibbon in Beziehung zum Menschenfuss. *Z. Säugetierk.*, 1928, 3, 278-283, pl. 17.

See also: 165 & Foucher d'Obsonville; van Ipern & Schouwman, Intr. III.

Habits in nature & captivity

CERCOPITHECIDAE

3790. Akeley, C. E., Mrs. Notes on African monkeys. *Nat. Hist.*, N. Y., 1918, 18, 670-683. [17f-r: Clb Pp]

3791. Akeley, Delia J. "*J. T., Jr.*" *The biography of an African monkey.* New York: The Macmillan co., 1932, xxiv, 252 pp.

3792. Baker, F. C. On the effect of music on caged animals. *Amer. Nat.*, 1897, 31, 462. [+ monkey]

3793. Ball, J. A case of apparent imitation in a monkey. *J. genet. Psychol.*,* 1938, 52, 439-442. [2f-3r: Mc]

3794. Besser, H. Allerlei aus dem Leben der Affen. *Kosmos, Stuttgart*, 1915, 12, 236-241, 270-271. [2f: Pp]

3795. Blanford, William Thomas. *Observations on the geology and zoology of Abyssinia, made during the progress of the British expedition to that country in 1867-68.* London: Macmillan & co., 1870, xii, 487 pp., 17 pls. [12f: C-p Mc]

3796. Brown, A. E. The serpent and the ape. *Amer. Nat.*, 1878, 12, 225-228. [Pp monkey]

3797. [Brown, A. E.] Fear of snakes in primates. *Nature*, Lond., 1878, 18, 227. [monkey]

3798. Carpenter, A. Monkeys opening oysters. *Nature*, Lond., 1887, 36, 53. [Mc]

3799. Carpentier, J.-C. Allaitement d'un magot par une chienne. *Bull. Soc. Acclim. Fr.*, 1931, 78, 275-276. [Mc]

3799a. Champion, Frederick Walter. *With a camera in Tiger-land.* London: Chatto & Windus, [1927], xviii, 228 pp., 73 pls. [+ Prsb Mc]

3800. Champion, F. W. The alarm call of langoors. *J. Bombay nat. Hist. Soc.*, 1929, 33, 424; 1930, 34, 543; cf. *ibid.*, 1929, 33, 971.

3801. Coenraad-Uhlig, Vera. Über ein Lutung-Kind. *Zool. Gart., Lpz.*, 1930, n.f., 3, 246-249.—Berthold, J. K., 1931, n.f., 4, 172. [6f: Prsb]

3802. Crébassol, H. Au sujet du cynocéphale. *Bull. Soc. Etud. sci. Aude*, 1923, 28, 129-131. [Pp]
3803. Darwin, Charles. Sexual selection in relation to monkeys. *Nature, Lond.*, 1876, 15, 18-19. [C-c Cyn-p Pp]
3804. Distant, W. L. Notes on the Chacma baboon. *Zoologist*, 1897, (4), 1, 29-32. [Pp]
3805. Engel, E. Ein entomologischer Leckerbissen für's Affenvolk. *Ent. Nachr.*, 1884, 10, 373.
3806. Ewing, H. E. Sham louse-picking, or grooming, among monkeys. *J. Mammal.*, 1935, 16, 303-306. [C-p Mc]
3807. von Fischer, J. Aus dem Leben eines jungen Mandril (*Cynocephalus mormon*); seine Erkrankung und sein Tod. *Zool. Gart., Frankfurt*, 1876, 17, 116-127, 174-179. [Mndr]
3808. von Fischer, J. Aus dem Leben eines Drill's (*Cynocephalus leucophaeus*). *Zool. Gart., Frankfurt*, 1877, 18, 73-97. [Mndr]
3809. von Fischer, J. Études psychologiques sur les singes. *Rev. Sci. nat. Montpellier*, * 1884, (3), 3, 336-361. [Mc Mndr]
- 3809a. Fiszer, J. Kilka stów o inteligencji małp. (Einige Worte über die Intelligenz der Affen.) *Wszechswiat*, 1884, 3, 673-675, 694-697, 710-713.
3810. von Fischer, J. Aus dem Seelenleben eines Bhunders (*Macacus erythraeus seu rhesus* und verwandter Affen). *Zool. Gart., Frankfurt*, 1883, 24, 177-182, 193-203, 227-235, 257-265, 289-298, 325-332. [C-c Mc Mndr]
- 3810a. Fitzsimons, Frederick William. *The monkeyfolk of South Africa*. London: Longmans, Green & co., 1924, 2nd ed., xiv, 172 pp., 47 pls. [C-p Pp Glg]
3811. G., J. F. Habits of the lungoor monkey. *J. Bombay nat. Hist. Soc.*, 1902, 14, 149-151. [Prsb]
3812. Gudger, E. W. On monkeys trained to pick coco nuts. *Science*, 1919, n.s., 49, 146-147.
3813. Gudger, E. W. Monkeys trained as harvesters: instances of a practice extending from remote times to the present. *Nat. Hist., N. Y.*, 1923, 23, 272-279. [4f-15r: Mc]
3814. H., C. Sketches of natural history at Gibraltar. *Field*, 1880, 56, 79. Also: *Zool. Gart., Frankfurt*, 1880, 21, 337-340. [+++ Mc]
3815. Hasted, H. R. G. An injured monkey. *J. Bombay nat. Hist. Soc.*, 1907, 17, 1017. [Prsb]
3816. Heck, L. Capture de grands singes cynocéphales en Abyssinie. *Terre et la Vie*, 1931, n.s., 1, 515-525. [8f: Thr-p Pp]
3817. Hill, W. C. O. A mode of carrying the tail in leaf-monkeys. *Spolia zeylan.*, 1938, 27 B, 66-67. [Prsb]
3818. Hughes, T. H. An incident in the habits of the *Semnopithecus entellus*, the common Hanuman monkey. *Proc. Asiat. Soc. Beng.*, 1884, 147-150. [Prsb]
3819. Kanngiesser, E. Aus dem Seelenleben der Affen. *Zool. Beob.*, 1912, 53, 23-27.
3820. Kempf, E. J. Did consciousness of self play a part in the behavior of this monkey? *J. Phil. Psychol. Sci. Meth.*, 1916, 13, 410-412. [Mc]
3821. Knottnerus-Meyer, T. Allerlei Beobachtungen aus dem Affenhaus des Hannoverschen Zoologischen Gartens. *Zool. Gart., Frankfurt*, 1901, 42, 353-371. [Mc Pp]
3822. Knottnerus-Meyer, T. Geburt eines Zwillingspaars von *Hamadryas arabicus*, Thos. *S. B. Ges. naturf. Fr. Berl.*, 1909, 84. [Pp]
3823. Johnson, M. Monkey tricks and traits. *Delineator*, 1928, 113, 19, 84-85. [Pp]
3824. La Rue, C. D. Monkeys as coconut pickers. *Science*, 1919, n.s., 50, 187.
3825. Lenz, H. Einiges über das Freileben der Nasenaffen. (*Nasalis larvatus* Geoffr.). *Zool. Gart., Frankfurt*, 1891, 32, 216-218. [Nas]
3826. Loveridge, A. Notes on East African mammalia (other than horned ungulates) collected or kept in captivity 1915-1919. Part I. *J. E. Afr. Ug. nat. Hist. Soc.*, 1921, no. 16, 38-42. [+++ C-p]
3827. McCann, C. Notes on the common Indian langur (*Pithecus entellus*). *J. Bombay nat. Hist. Soc.*, 1928, 33, 192-194, 1 pl. [Prsb]
- 3827a. McCann, C. Observations on some of the Indian langurs. *J. Bombay nat. Hist. Soc.*, 1933, 36, 618-628, 2 pls. [It: Prsb]
3828. Marais, E. N. Baboons, hypnosis, and insanity. *Psyche, Lond.*, 1926, 7, 104-110. [Pp]
3829. Marshall, G. A. K. [Reactions of monkeys and baboons to various insects.] *Trans. R. ent. Soc. Lond.*, 1902, 379-392, 397-399.
3830. Mégnin, P. Chez les singes. *Nature, Paris*, 1897, 25, (1), 277-278. [2f: C-p]
3831. Mouton, E. De la moralité chez le singe. *Rev. sci., Paris*, 1897, 34, (1), 81-83.
3832. Muir, G. B. F. Monkeys (*Macacus rhesus*) swimming. *J. Bombay nat. Hist. Soc.*, 1916, 24, 353. [Mc]
3833. Nolan, H. Une visite aux singes de Gibraltar. *Riviera sci.*, 1930, 17, no. 1, 3-6. [Mc]
3834. Northcote, G. A. S. Baboons attacking children. *J. E. Afr. Ug. nat. Hist. Soc.*, 1921, 60-61. [Pp]
3835. Pfungst, O. Zur Psychologie der Affen. *Ber. Kongr. exp. Psychol., Berl.*, 1912, 5, 200-205. [Affe]

3836. Pfungst, O. Über quasi-neurotische Erscheinungen bei Affen. *Zbl. ges. Neurol. Psychiat.*, 1925, **41**, 174–175.

[Abstr.: *Mc Cyn-p*]

3837. Riedel, J. Beobachtungen an ostafrikanischen Säugetieren. *Zool. Gart., Lpz.*, 1930, n.f., **3**, 334–337.

[+ 4f: *Pp*]

3838. Rollinat, R. "Jacques." *Bull. Soc. Acclim. Fr.*, 1931, **78**, 248–260, 290–300.

[single]

3839. Royer, Clémence. La domestication des singes. *Rev. Anthropol., Paris*, 1887, (3), **2**, 170–181.

3840. Sheak, W. H. Acrobats of the monkey world. The antics and marvelous vitality of a troop of captive African monkeys. *Nat. Hist., N. Y.*, 1929, **29**, 307–311.

[3f: *C-p C-c*]

3841. Schillings, C. G. Ueber einige aus Aequatorial-Ostafrika von mir mitgebrachte Tiere. *Zool. Gart., Frankfurt*, 1901, **42**, 76–79.

[*Cib*]

3842. Schonland, S. Notes on the Chacma baboon, and the Manhaar jackal, &c. *Zoologist*, 1897, (4), **1**, 155–156.

[++ *Pp*]

3843. Schwendler, L. Zoological notes. *Proc. Asiat. Soc. Beng.*, 1880, 55–56.

[+++ *Prsb*]

3844. Sclater, P. L. Remarks on the herd of Barbary apes on the Rock of Gibraltar. *Proc. zool. Soc. Lond.*, 1900, 773–774.

[*Mc*]

3845. Schnee. Die Affen auf Gibraltar. *Natur u. Haus*, 1901, **9**, 332–333.

[*Mc*]

3846. Schneider, H. Beobachtungen an einem Affen. *Kosmos, Lpz.*, * 1880, **7**, 288–294.

[*Mc*]

3847. Stehli, G. Aus einer Affenkinderstube. *Kosmos, Stuttgart*, 1914, **11**, 7–10.

[3f]

3847a. Stevenson-Hamilton, J. *Animal life in Africa*. London: W. Heinemann, 1912, xvi, 539 pp., 56 pls., 6 maps.

[+ *Cib C-p Pp*]

3848. Stewart, W. H. Monkeys swimming. *Zoologist*, 1886, (3), **10**, 483.

[*Mc*]

3849. Tinklepaugh, O. L. The self mutilation of a male *Macacus rhesus* monkey. *J. Mammal.*, 1928, **9**, 293–300.

[*Mc*]

3850. Tinklepaugh, O. L. Fur-picking in monkeys as an act of adornment. *J. Mammal.*, 1931, **12**, 430–431.

[*Mc*]

3851. Walsh, W. Commensalism between monkeys and tsaing and deer. *J. Bombay nat. Hist. Soc.*, 1914, **23**, 351

[+]

3852. Weidholz, A. Über das Schwanznagen der Affen. *Zool. Gart., Lpz.*, 1928, n.f., **1**, 39–41.

3854. Bates, Henry Walter. *The naturalist on the river Amazons, a record of adventures, habits of animals, sketches of Brazilian and Indian life, and aspects of nature under the equator, during eleven years of travel*. London: J. Murray, 1863, 2 vols., viii, 351 pp.; vi, 423 pp., 43 pls.

[*Aot Pith Cacaj Myst*]

3855. Belt, Thomas. *The naturalist in Nicaragua [etc.]*. London: John Murray, 1874, xvi, 403 pp.

[*Ceb Atl*]

3856. Bungartz, M. A. H. Der Springaffe oder Sahuassus (*Callicebus personatus* E. Geoffr.). *Aquarium, Berl.*, 1933, 76–77.

[1f: *Cal-c*]

3857. Carpenter, C. R. Behavior of red spider monkeys in Panama. *J. Mammal.*, 1935, **16**, 171–180.

[1t: *Atl*]

3858. Chapman, Frank M. *My tropical air castle. Nature studies in Panama*. New York: D. Appleton & co., 1929, ix, 417 pp., pls.

[*Aot Ceb Al Oed-m*]

3859. Chapman, F. M. The conquest of Claudia. How one of the notoriously untamable howling monkeys, caught in its infancy on Barro Colorado Island, responded to the friendliness of its captors. *Nat. Hist., N. Y.*, 1929, **29**, 369–379.

[10f: *Al*]

3860. Chapman, F. M. My monkey neighbours on Barro Colorado. *Nat. Hist. New York*, 1937, **40**, 471–479.

[12f: *Aot Ceb Al Hap*]

3861. Cope. Note on intelligence in monkeys. *Ann. Mag. nat. Hist.*, 1872, (4), **10**, 229–230.

[*Ceb*]

3862. Ditmars, R. L. Development of the silky marmoset. *Bull. N. Y. zool. Soc.*, 1933, **36**, 175–176.

[*Leon-c*]

3863. Eisentraut, M. Biologische Studien im bolivianischen Chaco. III. Beitrag zur Biologie der Säugetierfauna. *Z. Säugetierk.*, 1933, **8**, 47–69, pls. 9–11.

[+ 6f: *Ceb*]

3864. Enders, R. K. Notes on some mammals from Barro Colorado Island, Canal Zone. *J. Mammal.*, 1930, **11**, 280–292, pl. 16.

[+ *Aot Ceb Al Leon-c*]

3865. Fitzgerald, Alice. Rearing marmosets in captivity. *J. Mammal.*, 1935, **16**, 181–188, pl. 4.

[*Hap*]

3866. Gallup, Anna B. Our squirrel monkey. *Mus. News, Brooklyn*, 1913, **8**, 79–80.

[*Saim*]

3867. Germain, P. Les sapajous. Notes tirée d'un voyage dans l'Amérique tropicale. *Act. Soc. sci. Chili*, 1892, **1**, 105–107.

[*Ceb*]

3868. Gronen, D. Der Kraita, *Ateles paniscus*. *Zool. Gart., Frankfurt*, **22**, 125.

[*Atl*]

3869. Hensel, R. Beiträge zur Kenntniss der Thierwelt Brasiliens. *Zool. Gart., Frankfurt*, 1867, **8**, 290–293, 361–374.

[*Ceb Al*]

3870. Hornung, V. Der Pinselaffe (*Hapale penicillata*). *Zool. Gart., Frankfurt*, 1896, **37**, 273–277.

[*Hap*]

Habits in nature & captivity

CEBIDAE & HAPALIDAE

3853. Antonius, O. Einige Schönbrunner Neuerwerbungen der Jahre 1932/1933. *Zool. Gart., Lpz.*, 1933, n.f., **6**, 244–258.

[+ 11f: *Myst*]

3871. Hornung, V. Weitere Mitteilungen über den Pinselaffen (*Hapale penicillata*). *Zool. Gart., Frankfurt*, 1899, 40, 208-209. [Hap]

3872. Krieg, H. Schwarze Brüllaffen (*Alouatta caraya* Humboldt). *Z. Säugetierk.*, 1928, 2, 119-132. [12f-1t: Al]

3873. Marik, Margarethe. Beobachtungen zur Fortpflanzungsbiologie der Uistiti (*Callithrix jacchus* L.). *Zool. Gart., Lpz.*, 1931, n.f., 3, 347-349. [Hap]

3874. Mattock, H. Das Marmoset-Aeffchen. *Wschr. Aquar.- u. Terrarienk.*, 1912, Beilage, 6-7, 10-11. [Hap]

3875. Meeter v. Zorn, A., Frau. Affenzwerge. Nach langjährigen Beobachtungen. *Natur u. Haus*, 1903, 12, 35-38. [2f: Hap Leon-c]

3876. Neill, P. Account of the habits of a specimen of the *Simia jacchus*, Lin., or *Jacchus vulgàris*, Geoff., now in the possession of Gavin Milroy, Esq. Edinburgh. *Mag. nat. Hist.*,* 1829, 1, 18-20. [1f: Hap]

3877. Rengger, Johann Rudolph. *Naturgeschichte der Säugethiere von Paraguay*. Basel: Schweighauserschen Buchhandlung, 1830, xvi, 394 pp. [Aot Ceb Al]

3878. Richter, C. P. Some observations on the self-stimulation habits of young wild animals. *Arch. Neurol. Psychiat.*, Chicago, 1925, 13, 724-728. [++ 2f: Atl]

3879. Schreitmüller, W. Einiges über das Marmosetäffchen. *Aquarium, Berl.*, 1930, 42-44. [1f: Hap]

See also: 237 & Friederici, Intr. II; Bancroft, Intr. III.

Habits in nature & captivity

LEMUROIDEA

3880. Baird, W. Descriptive notice of a specimen of *Lemur tardigradus* Lin., *Makis* Cuv., kept alive for some time at Edinburgh. *Mag. nat. Hist.*,* 1829, 1, 208-216. [1f: Nyct-c]

3881. Baron, L. Notes on the habits of the aye-aye of Madagascar in its native state. *Proc. zool. Soc. Lond.*, 1882, 639-640. [Daub]

3882. Bartlett, A. D. Observations on the living aye-aye in the Zoological Gardens. *Ann. Mag. nat. Hist.*, 1863, (3), 12, 72-74. [Daub]

3883. Bartlett, A. D. The food of the aye-aye. *Ann. Mag. nat. Hist.*, 1865, (3), 16, 142. [Daub]

3884. Berthier, V. *Le Cheiromys*. *Bull. Soc. Hist. nat. Autun*, 1913, 26, 28-29. [Daub]

3885. Brehm, [A.] Beobachtungen an gefangenen Loris oder Faulaffen. *Zool. Gart., Frankfurt*, 1873, 14, 121-126. [Lor Nyct-c]

3886. Dechambre, E. Observations sur les makis de la Ménagerie du Jardin des Plantes. *Bull. Mus. Hist. nat., Paris*, 1935, (2), 7, 315-319. [Lm]

3887. Distant, W. L. Breeding of the S. African *Galago* in confinement. *Zoologist*, 1897, (4), 1, 83. [Glg]

3888. Dollman, G. The slender loris. *Nat. Hist. Mag.*, 1935, 5, 1-4. [Lor]

3889. Eismann, G. Mein Katta (*Lemur catta*). *Zool. Gart., Frankfurt*, 1898, 39, 180-181. [Lm]

3890. Ellis, William. *Three visits in Madagascar during the years 1853-1854-1856; including a journey to the capital, with notices of the natural history of the country and of the present civilization of the people*. New York: Harpers & Brothers, 1859, xv, 514 pp. [Lm Daub]

3891. Fischer, G. Einiges vom Plumplori (*Nycticebus tardigradus*). *Zool. Gart., Lpz.*, 1928, n.f., 1, 36-38. [1f: Nyct-c]

3892. von Fischer, J. Der Plump-Lori (*Ste-nops tardigradus*) in der Gefangenschaft. *Isis, Berl.*, 1876, 1, 95-96, 103-104. [Nyct-c]

3893. Gorter, F. J. Waarnemingen bij *Nycticebus tardigradus*, de plumpe lori. *Trop. Natuur.*, 1934, 23, 21-25. [2f: Nyct-c]

3894. Hill, W. C. O. A curious habit common to Lorisoids and Platyrrhine monkeys. *Spolia zeylan.*, 1938, 21 B, 65. [Ceb Lor Nyct-c Glg Tars]

3895. Lavauden, L. Le aye-aye. *Terre et la Vie*, 1933, 3, 142-152. [7f: Daub]

3896. Mackenzie, J. M. D. Food of the slow loris (*Nycticebus coucang*). *J. Bombay nat. Hist. Soc.*, 1929, 33, 971. [Nyct-c]

3897. Mackenzie, J. M. D. Means of defence in insects. *J. Bombay nat. Hist. Soc.*, 1929, 33, 1000. [Nyct-c]

3898. Milne Edwards, A. Note sur le potto de Bosman ou *Perodicticus potto*. *Nouv. Arch. Mus. Hist. nat. Paris.*, 1874, 10, Bull. 111-114. [Prdct]

3899. Milne Edwards, A. & Grandidier, A. Note sur la nidification de l'aye-aye. *C. R. Acad. Sci., Paris*, 1877, 84, 196-197. [Mcr-c Daub]

3900. Narayan Rao, C. R. Observations on the habits of the slow loris (*Loris lydekkerianus*). *J. Bombay nat. Hist. Soc.*, 1927, 32, 206-209, 1 pl. [Lor]

3901. Oustalet, E. Le potto de Bosman. *Nature, Paris*, 1902, 30, (2), 311-314. [Prdct]

3902. Pearlless, S. H. Birth of a loris. *Sapoli zeylan.*, 1909, 6, 134. [Lor]

3903. Peter, K. Über Haltung und Zucht der Zwerggalagos (*Galago zanzibaricus* Mtsch.). *Zool. Gart., Lpz.*, 1933, n.f., 6, 165-173. [11f: Glg]

3904. Phillips, W. W. A. The food of the Ceylon slender loris (*Loris tardigradus*) in captivity. *Spolia zeylan.*, 1931, 16, 205-208, pl. 42. [Lor]

3905. Pitman, C. R. S. Experiments with insect-food on the African lemur *Perodicticus potto*. *Lesson. Proc. R. ent. Soc. Lond.*, 1929, 4, (1), 90-91. [Prdct]

3906. Pocock, R. I. Exhibition of a photograph of a ring-tailed lemur carrying its young on its back. *Proc. zool. Soc. Lond.*, 1906, (1), 124-125. [If: Lm]

3907. Prater, S. H. The slow loris (*Nycticebus coucang*). *J. Bombay nat. Hist. Soc.*, 1924, 30, 215-217. [If: Nyct-c]

3908. Rand, A. L. On the habits of some Madagascar mammals. *J. Mammal.*, 1935, 16, 89-104. [Lm Hp-l Lp-l Mcr-c Chrg Pr-p Avh Indr Daub]

3909. Schmidt, M. Fortpflanzung des schwarzen Maki, *Lemur niger*. *Zool. Gart., Frankfurt*, 1882, 23, 161-165. [Lm]

3910. Schwarz, E. Der Bärenmaki (*Arctocebus calabarensis calabarensis* Smith) in Gefangenschaft. *Zool. Gart., Lpz.*, 1932, n.f., 5, 1-3. [3f: Arct-c]

3911. Sclater, P. L. Note on *Lemur macaco*, and the way in which it carries its young. *Proc. zool. Soc. Lond.*, 1885, 672-673. [If: Lm]

3912. Shaw, G. A. A few rough notes on the aye-aye. *Proc. zool. Soc. Lond.*, 1883, 44-45. [Daub]

3913. Skues, F. M. (Habits and food of *Pero-dicticus potto*.) *Proc. zool. Soc. Lond.*, 1869, 1-2. [Prdct]

3914. Still, J. On the *Loris* in captivity. *Spo-lia zeylan.*, 1905, 3, 155-157. [Lor]

3915. Turner, H. J. A. Two rare East African animals. *J. E. Afr. Ug. nat. Hist. Soc.* 1914, 4, 124-127. [Prdct]

3916. Weidholz, A. Bemerkungen zum Sommerschlaf der Zwerglemuren. *Zool. Gart., Lpz.*, 1932, n.f., 5, 282-285. [4f: Mcr-c]

See also: 256, 280 & Jones, Intr. III.

Habits in nature & captivity

TARSIOIDEA

3917. Clark, W. E. Le Gros. Notes on the living tarsier (*Tarsius spectrum*). *Proc. zool. Soc. Lond.*, 1924, (1), 217-223, 1 pl. [1f-2t: Tars]

3918. Cook, N. Notes on captive *Tarsius carbonarius*. *J. Mammal.*, 1939, 20, 173-178. [Tars]

3919. Cuming, H. On the habits of some species of Mammalia from the Philippine Islands. *Proc. zool. Soc. Lond.*, 1838, 67-68. Also: Ueber *Tarsius spectrum*. *Neue Notizen Geb. Nat.-Heilk.*,* 1839, 10, 184-185. [++ Tars]

3920. Jagor, F. *Reisen in den Philippinen*. Berlin: Weidmannsche Buchhandlung, 1873, xvi, 381 pp., 1 map. [nf: Tars]

3921. [Jagor, E.] Ueber das Gespensterthier (*Tarsius spectrum*). *Lotos*, 1873, 23, 120-121. [Excerpt from no. 3920: Tars]

3922. Thomas, O. On the mammals obtained by Mr. John Whitehead during his recent expedition to the Philippines. With field-notes by the collector. *Trans. zool. Soc. Lond.*, 1897 [1898], 14, 377-412, pls. 30-36. [+ 1t: Tars]

Miscellaneous Bibliographies

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PHYLOGENY OF THE PRIMATES

*Including discussions of zoological position,
& classification & relation to man*

3923. Abel, O. Neuere Forschungen über die Herkunft und Stammesgeschichte der Primaten. *Verh. zool.-bot. Ges. Wien*, 1928, **78**, (39)-(45).

3924. Abel, Othenia. *Die Stellung des Menschen im Rahmen der Wirbeltiere*. Jena: G. Fischer, 1931, xvi, 398 pp. [+++ 276f-vnr: †††]

3925. Abel, O. Das Verwandtschaftsverhältnis zwischen dem Menschen und den höheren fossilen Primaten. *Z. Morph. Anthrop.*, 1934, **34**, 1-14. [1f: †††]

3926. Allman, [G. J.] An account of the anthropoid apes, chiefly with reference to specimens recently acquired by the Edinburgh Museum of Science and Art. *Proc. roy. Soc. Edinb.*, 1868-69, **6**, 501-504.

3927. Arldt, T. Die Stammesgeschichte der Primaten und die Entwicklung der Menschenrassen. *Fortschr. Rassenk.*, 1915, **1**, 52 pp. [++ 15f-nr: †††]

3928. Arldt, T. Zur Stammesgeschichte der Halbaffen und Menschenaffen. *Naturwissenschaften*, 1917, **5**, 39-41. [†††]

3929. Behm, H. W. Zum Seelenleben der Anthropoiden. Im Lichte biologisch-psychologischer Beobachtungen auf der Anthropoiden-Station Teneriffas und der sich daraus ergebenden praktischen Förderung "polygenetischer" Tendenzen. *Polygen. Beitr.*, 1916, no. 2, 2-7.

3930. Bolk, L. The part played by the endocrine glands in the evolution of man. *Lancet*, 1921, **201**, 588-592.

3931. Bolk, [L.] Le problème de l'anthropogénèse. *C. R. Ass. Anat.*, 1926, **21**, 80-92.

3932. Brass, Arnold. [*Das Affen-Problem.*] Professor E. Haeckel's Darstellungs- und Kampfweise sachlich dargelegt nebst Bemerkungen über Atmungsorgane und Körperform der Wirbeltier-Embryonen. Leipzig: Biologischer Verlag, 1909, 2nd ed., 88 pp., 5 pls. [2f]

3933. Brown, A. E. On some points in the phylogeny of the primates. *Proc. Acad. nat. Sci., Philad.*, 1901, **53**, 119-125.

3934. Bumüller, Johannes. *Mensch oder Affe? Kurze Zusammenstellung älterer und neuerer Forschungen über Stellung und Herkunft des Menschen*. Ravensburg: Hermann Kitz, 1900, vi, 91 pp., 1 pl, 3 tpls. [+ nt]

3935. Bury, H. The classification of the primates. *Nature, Lond.*, 1930, **125**, 311.

3936. Chapman, H. C. Observations on Tu-paia, with reflections on the origin of primates. *Proc. Acad. nat. Sci., Philad.*, 1904, **56**, 148-156, pls. 9-10. [1f]

3937. Clark, W. E. Le Gros. The classification of the primates. *Nature, Lond.*, 1930, **125**, 236-237.

3938. Clark, W. E. Le Gros. Man's place among the primates. *Man*, 1935, no. 2, 5 pp.

3939. Curtis, M. M. Man and the anthropoids. *Science*, 1917, n.s., **46**, 88.

3940. Dally, E. L'ordre des primates et le transformisme. *Bull. Soc. Anthrop. Paris*, 1868, (2), **3**, 673-712, 724-730.

3941. Earle, C. Relations of *Tarsius* to the lemurs and apes. *Science*, 1897, n.s., **5**, 258-260. [Tars]

3942. Earle, C. Further considerations on the systematic position of *Tarsius*. *Science*, 1897, n.s., **5**, 657-658; Erratum, *ibid.*, 740. [Tars]

3943. Earle, C. On the affinities of *Tarsius*: a contribution to the phylogeny of the primates. *Amer. Nat.*, 1897, **31**, 569-575, 680-689. [Tars]

3944. Ewing, H. E. Lice from human mummies. *Science*, 1924, n.s., **60**, 389-390.

3945. Friedenthal, H. Die Stellung des Menschen im zoologischen System. *Z. Ethn.*, 1910, **42**, 989-994.

3946. Friedenthal, H. Zur Grundlegung des Rasseproblems in der Anthropologie. Haustierrassen, Menschenrassen und Menschenaffen. *Z. Ethn.*, 1926, **58**, 179-193. [+ 3f]

3947. Friedenthal, H. Die modernen Anschauung über die Abstammung des Menschengeschlechts. *S. B. Ges. naturf. Fr. Berl.*, 1931, 3-23. [+ 3pl]

3948. Geoffroy Saint-Hilaire, [É.] Études sur l'orang-outang de la Ménagerie. *C. R. Acad. Sci., Paris*, 1836, **3**, 1-8.

3949. Giraldés; Alix; & Pruner-Bey. Sur le mémoire de M. Dally: l'Ordre des primates et la transformisme. *Bull. Soc. Anthrop., Paris*, 1868, (2), **3**, 724-730; 1869, (2), **4**, 411-420, 424-439, 487-498, 554-566, 647-682.

3950. Giuffrida-Ruggeri, V. Qualche contestazione intorno alla più vicina filogenesi umana. *Monit. zool. ital.*, 1902, **13**, 257-270.

3951. Gray, J. The differences and affinities of palaeolithic man and the anthropoid apes. *Man*, 1911, **11**, 117-120. [1f]

3952. Gregory, W. K. Studies on the evolution of the primates. Part I. The Cope-Osborn "Theory of Trituberculy" and the ancestral molar patterns of the primates. Part II. Phylogeny of recent and extinct anthropoids, with special reference to the origin of man. *Bull. Amer. Mus. nat. Hist.*, 1916, 35, 239-355, pl. 1. [37f-nr: †††]
3953. Gregory, W. K. Genetics versus paleontology. *Amer. Nat.*, 1917, 51, 622-635. [+ †††]
3954. Gregory, W. K. Two views of the origin of man. *Science*, 1927, n.s., 65, 601-605.
3955. Gregory, W. K. The origin of man from the anthropoid stem—when and where? *Proc. Amer. phil. Soc.*, 1927, 66, 439-463. [+++ 1pl-5f-r]
3956. Gregory, W. K. How near is the relationship of man to the chimpanzee-gorilla stock? *Quart. Rev. Biol.*, 1927, 2, 549-560. [+++ 10f]
3957. Gregory, W. K. Were the ancestors of man primitive brachiators? *Proc. Amer. phil. Soc.*, 1928, 67, 129-150. [+++ 4pl-5f-1t-15r]
3958. Gregory, W. K. The origin of man from a brachiating anthropoid stock. *Science*, 1930, n.s., 71, 645-650.
3959. Gregory, W. K. A critique of Professor Osborn's theory of human origin. *Amer. J. phys. Anthropol.*, 1930, 14, 133-164. [++ 3pl]
3960. Gregory, William King. *Man's place among the anthropoids; three lectures on the evolution of man from the lower vertebrates.* Oxford: Clarendon Press, 1934, vi, 119 pp. [+ 10f]
3961. Gregory, W. K. Man's place among the primates. *Palaeobiol., Wien.*, 1938, 6, 208-213.
3962. Hellman, M. Racial characters in human dentition. Part I. A racial distribution of the *Dryopithecus* pattern and its modifications in the lower molar teeth of man. *Proc. Amer. phil. Soc.*, 1928, 67, 157-174. [+ 7f-15t]
- 3962a. Henckel, K. O. Remarks on the papers by Professor F. Wood Jones and Professor W. K. Gregory concerning the phylogeny of primates. *Human Biol.*, 1930, 2, 555-557. [esp. Tars]
3963. Hervé, G. Les prétendus Quadrumanes. *Bull. Soc. Anthropol. Paris*, 1889, (3), 12, 680-717. [10f]
3964. Hooton, E. A. Doubts and suspicions concerning certain functional theories of primate evolution. *Hum. Biol.*, 1930, 2, 223-249.
3965. Hooton, Earnest Albert. *Up from the ape.* New York: Macmillan co., 1931, xvii, 626 pp., 28 pls.
3966. Hubrecht, A. A. W. Relations of *Tarsius* to the lemurs and apes. *Science*, 1897, n.s., 5, 550-551.
3967. Hubrecht, Ambrosius Arnold William. *The descent of the primates.* Lectures delivered on the occasion of the sesquicentennial celebration of

Princeton University. New York: Charles Scribner's Sons, 1897, 41 pp., 7 pls.

3968. Jones, Frederic Wood. *The problem of man's ancestry.* London: Society for Promoting Christian Knowledge, 1918, 36 pp.

3969. Jones, Frederic Wood. *The ancestry of man.* (Douglas Price memorial lecture, no. 3.) Brisbane: R. G. Gillies & co., 1923, 35 pp.

3970. Keith, A. Certain phases in the evolution of man. Abstract of the Hunterian lectures delivered before the Royal College of Surgeons in February and March, 1912. *Brit. med. J.*, 1912, (1), 734-737, 788-790. [+ 5f]

3971. Keith, A. The evolution, anatomy and diseases of the anthropoid apes. [Abstract of six Hunterian Lectures.] *Med. Pr.*, 1914, n.s., 97, 222-225.

3972. Keith, A. The gorilla and man as contrasted forms. [Hunterian Lecture.] *Lancet*, 1926, 210, 490-492. [+++ 3r]

3973. Keith, Arthur. *The construction of man's family tree.* London: Watts & co., 1934, vi, 54 pp.

3974. Klaatsch, H. Die Stellung des Menschen in der Reihe der Säugetiere, speciell der Primaten, und der Modus seiner Heranbildung aus einer niederen Form. *Globus*, 1899, 76, 329-332. [+]

3975. Klaatsch, H. Menschenrassen und Menschenaffen. *KorrespBl. dtsch. Ges. Anthropol.*, 1910, 41, 91-100. [++ 14f]

3975a. Kumaris, J.; Peters, H. B. Zur Primateneinteilung. *Z. Rassenk.*, 1936, 3, 203-204, 205, 311-312; 1936, 4, 203.

3976. Lankester, Edwin Ray, Sir. *Diversions of a naturalist.* New York: Macmillan, 1915, xv, 424 pp. [+ 43f]

3977. Leche, Wilhelm. *Der Mensch, sein Ursprung und seine Entwicklung in Gemeinverständlicher Darstellung.* Jena: G. Fischer, 2nd ed., 1911, vii, 375 pp. [+ 369f]

3978. Lenoir, E.-R. L'homme et le gibbon. *Rev. anthropol.*, 1926, 36, 427-460. [++ 41r]

3979. Loomis, F. B. The adaptations of the primates. *Amer. Nat.*, 1911, 45, 479-492. [6f: †††]

3980. Macnamara, N. C. Beweisschrift betreffend die gemeinsame Abstammung der Menschen und der anthropoiden Affen. *Arch. Anthropol., Braunschw.*, 1905, 31, 77-84. [++ 1f]

3981. Matthew, W. D. Man and the anthropoid. *Science*, 1917, n.s. 46, 239-240.

3982. Mátyás, J. & Stiller, J. Die verwandtschaftlichen Beziehungen der Säugetierordnungen mit besonderer Berücksichtigung der näheren Verwandten der Anthropoiden.—I. Teil. *Arch. zool. (ital.)*, Napoli, 1932, 16, 1169-1229. [++ 18f-nf]

3983. Miller, G. S., Jr. Conflicting views on the problem of man's ancestry. *Amer. J. phys. Anthropol.*, 1920, 3, 213-245, 2 pls. [3f]

3984. Mohnike, Otto. *Affe und Urmensch*. Münster: Aschendorff'schen Buchhandlung, 1880, 211 pp., 12 pls.

3985. Morselli, E. "Hominidae" e "Simiidae": parentela di cervello, di sangue e di armoni. *Ill. med. ital.*, 1924, 6, 1-8. [5f]

3986. Morton, D. J. Evolution of man's erect posture. (Preliminary report.) *J. Morph.*, 1926, 43, 147-179. [++ 6f-14r]

3987. Morton, D. J. Human origin. Correlation of previous studies of primate feet and posture with other morphologic evidence. *Amer. J. phys. Anthropol.*, 1927, 10, 173-203. [++ 10f-11r]

3988. Nadailac, Marquis de. L'homme et la singe. *Rev. Quest. sci.*, 1898, (2), 14, 182-220, 414-459. [++ nr]

3989. Osborn, H. F. The influence of bodily locomotion in separating man from the monkeys and apes. *Sci. Mon.*, N. Y., 1928, 26, 385-399.

3990. Osborn, H. F. The influence of habit in the evolution of man and the great apes. *Bull. N. Y. Acad. Med.*, 1928, (2), 4, 216-230, disc. 230-249. [+++ 13f]

3991. Read, C. On the differentiation of man from the anthropoids. *Man*, 1914, 14, 181-186.

3992. Regan, C. T. The classification of the primates. *Nature, Lond.*, 1930, 125, 125-126.

3993. Regan, C. T. The evolution of the primates. *Ann. Mag. nat. Hist.*, 1930, (10), 6, 383-392.

3994. Remane, A. Die angeblichen Ähnlichkeiten zwischen fossilen Hominiden und den Hylobatiden. *Anthrop. Anz.*, 1924, 1, 144-146.

3995. Schaafhausen. Sur les rapports entre les singes anthropomorphes et l'homme. *Bull. Soc. Anthropol. Paris*, 1865 (1), 6, 11-14.

3996. Schwalbe, G. Über die Vorgeschichte des Menschen. *Verh. Ges. dtsch. naturf. Ärzte.*, 1903, 75, 163-183. [++ 2f]

3997. Schwalbe, G. Über die Bedeutung der äusseren Parasiten für die Phylogenie der Säugetiere und des Menschen. *Z. Morph. Anthropol.*, 1915, 17, 585-590.

3998. Sera, G. L. A proposito del polifiletismo dei primati. *G. Morf.*, 1923, 4, 3-13.

3999. Sera, G. L. Alcuni caratteri anatomici delle plattirine ed il recente abbandono da parte di esse dell'abitato acquatico. *Arch. zool. ital.*, Torino, 1938, 25, 201-218.

4000. Smith, G. Elliot. On the relationship of lemurs and apes. *Nature, Lond.*, 1907, 76, 7-8. H. F. Standing, p. 55.

4001. Smith, G. Elliot. The zoological position of *Tarsius*. *Nature, Lond.*, 1909, 80, 38.

4002. Smith, G. Elliot. The subdivisions of the

order *Primates*. *Nature, Lond.*, 1929, 124, 876-877.

4003. Smith, G. Elliot. The classification of the primates. *Nature, Lond.*, 1930, 125, 270-271. [1f]

4004. Sterne, C. Die Rangstellung der Halbaffen. *Prometheus*, 1897, 8, 808-812, 817-821.

4005. Thacker, A. G. The geological history of the primates. *Sci. Progr. twent. Cent.*, 1922, 16, 595-607. [1f]

4006. Topinard, P. Les dernières étapes de la généalogie de l'homme. *Rev. Anthropol., Paris*,* 1888, (3), 3, 298-332.

4007. Vogt, Carl. *Vorlesungen über den Menschen: seine Stellung in der Schöpfung und in der Geschichte der Erde. Erster Band*. Giessen: J. Ricker, 1863, viii, 328 pp. [+ 128f]

4008. Vogt, Carl. *Lectures on Man: his place in creation, and in the history of the earth*. James Hunt, ed. London: Longman, Green, [etc.], 1864, xii, 475 pp. [+ 127f]

4009. Vogt, C. Menschen, Affen-Menschen, Affen und Prof. Th. Bischoff in München. *Untersuch. Naturl. Mensch. Tiere*, 1870, 10, 493-525.

4010. Waldeyer. Ueber den menschenähnlichen Affen. *KorrespBl. dtsch. Ges. Anthropol.*, 1895, 26, 106-109.

4011. Wegner, R. N.; Keith, A.; & v. Boning, G. [Discussion of Klaatsch's theory of the descent of man.] *Nature, Lond.*, 1911, 85, 119-121, 206, 508-510. [1f]

4012. Wells, H. G. The evidence furnished by biochemistry and immunology on biologic evolution. *Arch. Path.*,* 1930, 9, 1044-1075. [+ 2t-59r]

4013. Westenhöfer, M. Der Mensch—das älteste Säugetier. *Mitt. anthrop. Ges. Wien.*, 1927, 57, Sitzungsber., 64-76.

4014. Zimmermann, H. K. Zur Frage der menschlichen Urheimat. *Pol.-anthropol. Rev.*, 1903, 2, 349-354.

4015. Zuckerman, S. *Functional affinities of man, monkeys and apes. A study of the bearings of physiology and behaviour on the taxonomy and phylogeny of lemurs, monkeys, apes and man*. London: Kegan Paul, [etc.], 1933, xviii, 203 pp., 24 pls. [+++ vnr]

4015a. Zuckerman, S. Evidence of man's kinship with the primates. *Man*, 1933, 33, 13-16.

See also: 95, 151, 155, 156, 164, 194a, 194b, 198, 199, 202, 219, 575, 773, 781, 800, 808, 985, 1045, 1046, 1118, 1119, 1182, 1188, 1360, 1492a, 2565a & White, Intr. III.

INSTITUTIONS FOR RESEARCH & EXHIBITION

4016. Alving, T. Das neue Affenhaus des Zoo Kopenhagen. *Zool. Gart., Lpz.*, 1930, n.f., 3, 337-342, pl. 2. [2f]

4017. Anon. The Zoological Society's new ape-house. *Nature, Lond.*, 1902, 66, 406-407.
4018. Anon. The new gorilla house in the Zoological Gardens, London. *Archit. Rev., Lond.*, 1933, 73, 241-245.
4019. Aulmann, G. Das neue Affenhaus im Düsseldorfer Zoo. *Zool. Gart., Lpz.*, 1933, n.f., 6, 48-56.
4020. Baege, M. H. Die Menschenaffenstation auf Teneriffa. *Naturw. Wschr.*, 1915, n.f., 14, 315-318.
4021. Bourdelle, E., Mouquet, A. & Mathias, P. La collection de primates de la ménagerie du Muséum National d'Histoire Naturelle. *Bull. Mus. Hist. nat., Paris*, 1929, (2), 1, 234-238.
4022. Büttikofer, J. Das neue Affenhaus des Zoologischen Gartens in Rotterdam. *Zool. Beob.*, 1906, 47, 33-42. [2f]
4023. Delorme, M. "Pastoria" (Institut Pasteur de Kindia): Son histoire et son rôle aujourd'hui et demain. *La Guinée milit.*, 1929, Suppl. 8-9, 1-16.
4024. Ditmars, R. L. The collection of great apes. *Bull. N. Y. zool. Soc.*, 1911, 2, 756-758. [2f]
4025. Heck, L. Das Affenpalmenhaus des Berliner Zoologischen Gartens. *Zool. Gart., Lpz.*, 1930, n.f., 2, 173-184. [6f]
4026. Honoré, F. Les "Singeries" de l'Institut Pasteur à Kindia et à Paris. *L'Illustration, Paris*, 1927, 169, 407-409. [8f]
4027. Howe, H. E. The Florida anthropoid laboratory of Yale University. *Science*, 1929, n.s., 70, 444-445.
4028. Krogman, W. M. & Schultz, A. H. Anthropoid ape materials in American collections. *Amer. J. phys. Anthropol.*, 1938, 24, 199-234.
4029. Lucas, F. A. The remaking of a museum collection. Representatives of the order of Primates from the huge gorilla to the tiny marmoset. *Nat. Hist., N. Y.*, 1919, 19, 222-226. [5f]
4030. Mégnin, P. Le paradis des singes. *Nature, Paris*, 1897, 25, (2), 285-286. [1f]
4031. Reuvsen, C. L. Die Affen im zoologischen Garten zu Rotterdam. *Zool. Gart., Frankfurt*, 1889, 30, 182-187, 206-213.
- 4031a. Rode, P. Pastoria, centre de recherches sur les singes en Guinée française. *La Terre et la Vie*, 1937, 7, 109-116. [4f]
4032. Rothmann, M. Ueber die Errichtung einer Station zur psychologischen und hirnpfysiologischen Erforschung der Menschenaffen. *Berl. klin. Wschr.*, 1912, 49, 1981-1985. Also: *Verh. Ges. dtsh. Naturf. Arzt*, 1912, 84, Teil 2, Hälfte 2, 268-271.
4033. Rothmann, M. & Teuber, E. Aus der Anthropoidenstation auf Teneriffa. I. Ziele und Aufgaben der Station sowie Beobachtungen an den auf ihr gehaltenen Schimpansen. *Abh. preuss. Akad. Wiss.*, 1915, no. 2, 20 pp. Also: *Z. Ethn.*, 1915, 47, 96-98. [2f]
4034. Scherren, Henry. *The Zoological Society of London; a sketch of its foundation and development and the story of its farm, museum, gardens, menagerie and library.* London: Cassell & co., 1905, viii, 252 pp., 62 pls.
4035. [Stedman, T. L.] An institute for the psychological study of anthropoid apes. *Med. Rec., N. Y.*, 1912, 82, 943.
4036. Stern, W. Die neuen Yale-Einrichtungen für Anthropoidenforschung. *Z. angew. Psychol.*, 1932, 43, 516.
4037. von Waldeyer-Hartz, [W.] Anthropoidenstation auf Teneriffa. *S. B. preuss. Akad. Wiss.*, 1917, (2), 40-42.
4038. von Waldeyer-Hartz, [W.] Anthropoidenstation auf Teneriffa. *S. B. preuss. Akad. Wiss.*, 1919, (1), 31-33.
4039. Wilbert, R. & Delorme, M. "Pastoria," centre de recherches biologiques et d'élevage de singes, Institut Pasteur de Kindia, Guinée française. *Bull. Soc. Path. exot.*, 1931, 24, 131-149.
4040. Yerkes, R. M. Provision for the study of the anthropoid apes. *Science*, 1915, n.s., 42, 621; 1916, n.s., 43, 231-234.
4041. Yerkes, R. M. A program of anthropoid research. *Amer. J. Psychol.*, 1927, 39, 181-199.
4042. Yerkes, R. M. Yale laboratories of comparative psychobiology. *Comp. Psychol. Monogr.*, 1932, 8, no. 3, 33 pp. [10pl-r: Pn]
4043. Yerkes, R. M. Yale Laboratories of Primate Biology, Incorporated. *Science*, 1935, n.s., 82, 618-620.
4044. Yerkes, Robert Mearns. *Regulations of Yale Laboratories of Primate Biology, Inc.* New Haven: privately printed, 1937, 41 pp.
- See also: 226, 771, 1030, 1045, 1826a, 3311, 3312, 3620, 3646, 3649.

PRIMATE CULTURE & METHODOLOGY

4045. Bachrach, A. Dietetics of apes and monkeys in captivity. *Vet. Ext. Quart. Univ. Pa.*, 1931, 43, 5-12.
4046. Botschkareff, P. W., Nikolaewa, O. I. & Ssmirnoff, A. N. (Zur Frage über die Ernährung der Antropoiden in der Gefangenschaft.) *Arkh. biol. Nauk*,* 1933, 33, 240-248. [2t-Russ. with Gr. abstr.]
4047. Fox, H. The practice of hygienic control and its results at the Philadelphia Zoological Garden. *J. Mammal.*, 1924, 5, 153-164. [+ 1f]

4048. Hill, W. C. O. Treatment of the slender loris in captivity. *Loris, Ceylon*, 1937, 1, 85-88. [Lor]

4049. Hill, W. C. O. On the breeding and rearing of certain species of primates in captivity. *Spolia zeylan*, 1937, 20, 369-389, pls. 17-19. [Prsb Mc Nyct-c]

4050. Howe, P. R. Some experimental effects of deficient diets on monkeys. *J. Amer. dent. Ass.*, 1924, 11, 1161-1165, 1167-1168. [Mc]

4051. Jennison, G. [Exhibition of a series of lantern-slides of a chimpanzee kept in the open air.] *Proc. zool. Soc. Lond.*, 1919, (1), 223.

4052. Krause, G. Ärztliche Praxis unter Orang Utan. *Die Koralle*, 1927, 3, 297-300. [7f: Png]

4053. Nicolle, C. & Wetterlé, L. A propos de trois naissances dans la singerie de l'Institut Pasteur de Tunis. *Bull. Soc. Path. exot.*, 1930, 23, 596-599. [C-p Mc]

4054. Noback, C. V. The Zoological Park's young female gorilla, Janet Penserosa, with notes concerning her companion a young female chimpanzee, Ellen Allegra. *Bull. N. Y. zool. Soc.*, 1931, 34, 74-104. [43f-1t: Gr Pn]

4055. Percy. On the management of various species of monkeys in confinement. *Proc. zool. Soc. Lond.*, 1844, 81-84. [C-p Mc Pp Ceb Hap]

4056. Pinkston, J. O. A restraining device for unanesthetized monkeys. *J. Lab. clin. Med.*, 1938, 23, 1085-1087. [3f]

4057. Sanyal, Ram Bramha. *A handbook of the management of animals in captivity in Lower Bengal*. Calcutta: Bengal Secretariat Press, 1892, xlix, 351 pp.

4058. Scharff, R. F. Open air treatment of monkeys in the Dublin Zoological Gardens. *Irish Nat.*, 1906, 15, 85-86, pl. 3.

4059. Schneider, H. Ueber Erhaltung der anthropomorphen Affen in Deutschland. *Zool. Gart., Frankfurt*, 1881, 22, 47-52.

4060. Sokolowsky, A. Über Fütterung und Pflege der Affen im Zoologischen Garten zu Berlin. *Zool. Gart., Frankfurt*, 1900, 41, 382-385.

4061. Sokolowsky, A. Über Fütterung und Pflege des Fingertieres (*Chiromys madagascariensis* Desm.) im Zoologischen Garten zu Berlin. *Zool. Gart., Frankfurt*, 1902, 43, 353-354.

4062. Stemmler-Morath, C. Das Halten von Affen und Menschenaffen. *Handb. biol. Arb-Meth.*, 1938, Abt. 9, Teil 7, Heft 5, 769-822.

4063. Szidat, L. Zur Spulwurmkrankheit der Affen. *Zool. Gart., Lp.*, 1929, n.f., 2, 127-130.

4064. Tinklepaugh, O. L. A diet for chimpanzees and monkeys in captivity. *J. Mammal.*, 1931, 12, 400-404. [3f]

4065. Tinklepaugh, O. L. Corrections to "A diet for chimpanzees and monkeys in captivity." *J. Mammal.*, 1933, 14, 68-69. [3t]

4066. Yerkes, R. M. A second-generation captive-born chimpanzee. *Science*, 1935, n.s., 81, 542-543.

4067. Yerkes, R. M. The significance of chimpanzee-culture for biological research. *Harvey Lect.*, 1935-36, 31, 57-73.

4068. Zuckerman, Solly & Fulton, John Farquhar. *The nomenclature of primates commonly used in laboratory work*. Privately printed: Yale University, School of Medicine, New Haven, 1934, 14 pp.

See also: 226, 675, 677, 1142, 2922, 2922a, 2960, 3312, 3331, 3646, 3690, 3865, 3903.

CONSERVATION

4069. Anon. A gorilla paradise. *Lit. Digest*,* 1924, 83, 68-72.

4070. Akeley, Mary L. J. Africa's great National Park. Carl Akeley's gorilla sanctuary and biological survey station becomes a reality.—The formal inauguration of Parc National Albert at Brussels. *Nat. Hist., N. Y.*, 1929, 29, 638-650. [+ 11f]

4071. Bock, O. Die letzten Berggorillas. *Zool. Gart., Lpz.*, 1929, n.f., 1, 44-45.

4072. Derscheid, J. M. Notes sur les gorilles des volcans du Kivu (Parc National Albert). *Ann. Soc. zool. Belg.*, 1927 [1928], 58, 149-159.

4073. Gifford, H. Fernando Po as an ape reserve. *J. Mammal.*, 1927, 8, 312.

4074. Lang, H. The vanishing wild life of Africa. *Nat. Hist., N. Y.*, 1924, 24, 312-327. [+ 9f]

4075. Morley, R. The extermination of monkeys. *Nat. Notes, Lond.*, 1899, 10, 113-114.

PRIMATES IN MYTHOLOGY & SUPERSTITION; NATIVE LEGENDS, &c.

4075a. Birch, S. On the monkeys known to the Chinese, from the native authorities. *Mag. nat. Hist.*,* 1839, n.s., 3, 587-592; 1840, n.s., 4, 35-38.

4076. Chaine, J. A propos du propithecus de Verreaux (*Propithecus verreauxi*, Grand.). (La légende du sifak.) *P. V. Soc. linn. Bordeaux*, 1920, 72, 49-50.

4077. Dehaut, Émile Georges. *Matériaux pour servir à l'histoire zoologique et paléontologique des Iles de Corse et de Sardaigne. Fasc. III. Animaux fossiles du Cap Figari*. Paris: G. Steinheil, 1911, 85 pp., 4 pls.

4078. Everett, A. H. On the guliga of Borneo. *Ann. Mag. nat. Hist.*, 1881, (5), 7, 274-275.

4079. Gudger, E. W. The myth of the monkey chain. *Nat. Hist., N. Y.*, 1919, 19, 216-221.

[3f]

4080. Hamy, E.-T. La légende du singe chaussé. *Nature, Paris*, 1906, (2), 17, 113-114.

[2f-r]

4080a. Jenks, A. E. Bulu knowledge of the gorilla and chimpanzee. *Amer. Anthropol.*, 1911, n.s., 13, 56-64. [+ Gr Pn]

4081.* Joleaud, L. Le rôle des singes dans les traditions populaire nord-Africaines. *J. Soc. Africainistes*, 1931, 1, 117-150.

4082. Kleiweg de Zwaan, J. P. De aap in het volksgeloof der inlanders van den Indischen Archipel. *Tijdschr. ned. aardrijksk. Genoot.*, 1915, (2), 32, 35-55.

4083. Phillips, T. The gorilla and man. *Man*, 1928, 28, 56.

4084. Preuss, K. T. Der Affe in der mexikanischen Mythologie. *Ethn. Notizbl.*, 1901, 2, (2), 66-76. [43f-]

4084a. Smith, J. A. Notice of a skull of the *Troglodytes niger*, Desm., the chimpanzee, found in a "Devil-house," Old Calabar, Africa. *Proc. R. phys. Soc. Edinb.*, 1858 [1863], 2, 41-43. [Pn]

See also: 3606, 3610, 3637, 3648, 3688, 3689a, 3692, 3730, 3881, 3888, 3907, 3912, 3914; & in

Intr. I, Ehrenberg, 1833, 1834; von Heusinger; Hippolyte-Boussac; Lortet & Gaillard; Perez Baradas; & in Intr. II, Friederici; Pigafetta.

PRIMATES IN ART

4085. Elliot, Daniel Giraud. *The life and habits of wild animals*. Illustrated by Joseph Wolf. New York: Harpers & Bros., 1874, 122 pp., 20 pls. [+ Gr]

4086. Hornaday, W. T. Gorillas, past and present. *Bull. N. Y. zool. Soc.*, 1915, 18, 1181-1185. [1pl-5f: Gr]

4087. Landseer, Thomas. *Monkeyana, or men in miniature*, designed and etched by Thomas Landseer. London: F. G. Moon, 1827, 25 pls.

4088. Nass, L. Singeries. *Corresp. med.*, 1906, 12, no. 272, 6-9.

4089. Wilson, Maurice. *Just monkeys*. London: Country Life, 1937, 88 pp. [22pl-48f: Gr Pn Png Hyl C-p C-c Mc Pp Ceb Lm]

4090. Wolf, Joseph. *Zoological sketches made for the Zoological Society of London, from animals in their vivarium, in the Regent's Park*. Edited, with notes, by P. L. Sclater. London: Henry Graves & co., 1861-67, 2 vols., 100 col. pls., fol. [Pn C-p Mc Lm Daub]

See also: McDermott, Intr. I.

END OF PART I

of

Bibliographia primatologica
including the first 4,630 entries.

Appendix

A Key to Abbreviations of Periodicals Not Listed in *A World List of Scientific Periodicals Published in the Years 1900-1933, 2nd Ed.*

Explanatory note. The abbreviations in the following list have been used in the text for scientific journals which ceased publication before 1900, or commenced publication after 1933, or which have been overlooked in compiling the *World List*; and for journals of a non-scientific character. Where such abbreviations appear in the text they are marked with an asterisk. The abbreviations coined conform in general to the practices of the *World List*. For journals published in Japanese the abbreviations are often those employed by the *Japanese Journal of Medical Sciences*, and in several instances the full title could not be determined. In the *Key*, the title of a journal is arranged in a fashion to facilitate quick location of the journal in Gregory's *Union List of Serials*.

Acta neerl. Morph.

Acta neerlandica Morphologiae normalis et pathologicae. Utrecht. v. 1-1937-.

Acta psychol., The Hague.

Acta psychologica, The Hague. v. 1-1935-.

Acta psychol., Keijo.

Acta psychologica, Keijo. (Keijo, Imperial University. Psychological Institute). Keijo, Japan. v. 1-1930-.

An. Univ. Valencia.

Valencia. Universidad. *Anales*. v. 1-1920-.

Ann. franç. étrang. Anat. Physiol.

Annales françaises et étrangères d'Anatomie et de Physiologie, appliquées à la Médecine et à l'Histoire naturelle. Paris, v. 1-3, 1837-39.

Ann. Mus. Hist. nat. Paris.

Paris. Muséum d'Histoire naturelle. *Annales*. v. 1-20, 1802-13.

Annu. Soc. Nat. Modena.

Società dei Naturalisti (e Matematici) di Modena. *Annuario*. v. 1-15, 1866-82.

Anthrop. Rev., Lond.

Anthropological Review. (Anthropological Society of London). v. 1-8, 1863-70.

Anthrop. Zh., Mosk.

Antropologicheskii Zhurnal. Moskau. v. 1-1932-.

Arch. path. Inst. Marburg.

Marburg. Universität. Pathologisches Institut. *Arbeiten*. v. 1-2, 1893.

Arch. Anat. Physiol. wiss. Med.

Archiv für Anatomie, Physiologie und wissenschaftliche Medicin. Berlin; Leipzig. v. 1-43, 1834-76.

Arch. holl. Beitr. Nat.- u. Heilk.

Archiv für die holländischen Beiträge zur Natur- und Heilkunde. Utrecht. v. 1-3, 1857-64.

Arch. néerl. Zool.

Archives néerlandaises de Zoologie. Leyden. v. 1-1934-.

Arch. Path.

Archives of Pathology. Chicago. v. 1-1926-.

Arch. Physiol. norm. path.

Archives de Physiologie normale et pathologique. Paris. v. 1-1868-.

Arkh. biol. Nauk.

Arkhiv Biologicheskikh nauk; or, Archives des Sciences biologiques. Moskau. v. 1-1892-.

Asiat. Res., Calcutta.

Asiatic Researches; or, Transactions of the Society (Asiatic Society of Bengal). Calcutta. v. 1-20, 1788-1839.

Das Ausland.

Das Ausland. Stuttgart; etc. v. 1-66, 1828-93.

Ber. anat. Anstalt Königsberg.

Rathke's Berichte von der königlichen anatomischen Anstalt zu Königsberg. v. 1-9, 1818-1838.

Ber. Kongr. exp. Psychol. Wien

Bericht über den XI Kongress für experimentelle Psychologie in Wien, 1929. Jena, G. Fischer, 1930.

Bol. biol., S. Paulo.

Boletín biológica. (Club zoológico do Brasil) São Paulo. v. 1-1933-.

Boll. sci.

Bollettino scientifico. Milan; Pavia. v. 1-21, 1879-99.

Boll. Soc. romana Studi zool.

Società romana per gli Studi zoologici. Rome. *Bollettino*. v. 1-8, 1892-98.

- Boston J. Philos. Arts.*
Boston Journal of Philosophy and the Arts. v. 1-3, 1823-26.
- Brit. Rec. obstet. Med.*
The British Record of obstetric Medicine and Surgery. Manchester. v. 1-2, 1848-49.
- Bull. Soc. Anthropol. Bruxelles.*
Société d'Anthropologie de Bruxelles. *Bulletin.* v. 1-1882-.
- Bull. Univ. Tiflis.*
Tiflis. Universitet. *Izvestiia*. v. 1-1919-.
- Byull. vsesoyuz. Inst. eksp. Med.*
Vsesoyuznogo Instituta eksperimental'noi Meditsiny. *Byulleten.* (Bulletin All-Union. Institute of experimental Medicine.) Leningrad. v. 1-1935-.
- Cold Spr. Harb. Symp. quant. Biol.*
Cold Spring Harbor Symposia on quantitative Biology. Biological Laboratory. Cold Spring Harbor, L.I., N.Y. v. 1-1933-.
- Confinia neurol.*
Confinia neurologica. Basel; Philadelphia. v. 1-1938-.
- Coop. Res., Carneg. Instn.*
Cooperation in Research. Carnegie Institution of Washington. Publ. no. 501.
- Cunningham Mem. R. Irish Acad.*
Royal Irish Academy. Dublin. *Cunningham Memoirs.* v. 1-11, 1880-.
- Día méd., B. Aires.*
El Día médico. Buenos Aires. v. 1-1928-.
- Dtsch. Arch. Physiol.*
Deutsches Archiv für die Physiologie. Halle; Berlin. v. 1-8, 1815-23.
- Edinb. J. Sci.*
Edinburgh Journal of Science. Edinburgh. 1824-1832.
- Edinb. new philos. J.*
Edinburgh new philosophical Journal. Edinburgh. 1826-1864.
- Encyclop. méth.*
Encyclopédie méthodique. Paris & Liège. v. 1-196, 1782-1832.
- Gelehrte Anz. bayer. Akad. Wiss.*
K. bayerische Akademie der Wissenschaften. Munich. *Gelehrte Anzeigen.* v. 1-50, 1835-60.
- Glean. Sci.*
Gleanings in Science. Calcutta. v. 1-3, 1829-31.
- Harv. Alumni Bull.*
Harvard Alumni Bulletin. v. 1-1898-.
- Hist. Acad. R. Sci. Paris.*
Institut de France. Académie des Science. Paris. *Histoire de l'Académie royale [etc.]*. 1699-1789.
- Hoku-Etsu Ig. Kw. Z., Niigata.*
Hoku-Etsu Igaku Kwai Zasshi. (Journal of the Hoku Etsu Medical Society).
- L'Illustration, Paris.*
Illustration. Paris. v. 1-1843-.
- L'Institut, Paris.*
Institut. Paris. v. 1-44, 1833-76.
- Int. J. Individ. Psychol.*
International Journal of Individual Psychology. Chicago. v. 1-1935-.
- Isis, Jena.*
Isis von Oken. Jena; Leipzig. v. 1-41, 1817-48.
- Izv. imp. Tomsk. Univ.*
Tomsk. Universitet. *Izvestiia*. v. 1-1889-.
- J. Anthropol., Lond.*
Journal of Anthropology. London. v. 1, 1870-71.
- J. belge. Neurol. Psychiat.*
Journal belge de Neurologie et de Psychiatrie. Bruxelles. v. 33-1933-.
- J. genet. Psychol.*
(The pedagogical Seminary and) Journal of genetic Psychology. Worcester, Mass.; Provincetown, Mass. v. 32-1925-.
- J. Hist. nat.*
Journal d'Histoire naturelle. Paris. v. 1-2, 1792.
- J. Neurophysiol.*
Journal of Neurophysiology. Springfield, Ill. v. 1-1938-.
- J. Phys. Chim. Hist. nat.*
Journal de Physique, de Chimie, d'Histoire naturelle et des Arts. Paris. v. 1-96, 1773-1823.
- J. Psychol., Provincetown.*
Journal of Psychology. Provincetown, Mass. v. 1-1935-.
- J. Zool.*
Journal de Zoologie. Paris. v. 1-6, 1872-77.
- Jikken. Ig. Z., Tokyo.*
Jikken Igaku Zasshi. (Japanese Journal of experimental Medicine). Tokyo. 1928-.
- Kaibo Z., Tokyo.*
Kaibo Zasshi. Tokyo.
- Knight's Penny Mag.*
Knight's Penny Magazine. London. v. 1-16, 1832-46.
- Die Koralle.*
Koralle. Magazine für alle Freunde von Natur und Technik. Berlin. v. 1-1925-.
- Kosmos, Lpz.*
Kosmos. Zeitschrift für einheitliche Weltanschauung auf Grund der Entwicklungslehre. Leipzig. v. 1-19, 1877-86.

- Lit. Digest.*
Literary Digest. New York. v. 1-1890-.
- Mag. encyclop.*
Magasin encyclopédique; ou, Journal des Sciences, des Lettres et des Arts. Paris. 1792-1816.
- Mag. Ges. naturf. Fr. Berl.*
Gesellschaft naturforschender Freunde. Berlin. *Magazin [etc.]* v. 1-8, 1807-18.
- Mag. nat. Hist.*
Magazine of natural History. London. v. 1-9, 1828-36.
- Mag. Neueste Phys. Naturg.*
Magazin für das Neueste aus der Physik und Naturgeschichte. Neue Auflage. Gotha. v. 1-1785-.
- Mammalia.*
Mammalia. Paris. v. 1-1936-.
- Math. naturw. Mit. S. B. preuss. Akad. Wiss.*
K. preussische Akademie der Wissenschaften. Berlin. *Mathematische und naturwissenschaftliche Mitteilungen (from the Sitzungsberichte)*. v. 1-16, 1882-97.
- Mber. preuss. Akad. Wiss.*
K. preussische Akademie der Wissenschaften. Berlin. *Monatsberichte*. 1856-81.
- Med. Chron., Montreal.*
Medical Chronicle, or Montreal monthly Journal of Medicine and Surgery. Montreal. v. 1-6, 1853-59.
- Med. Times Gaz., Lond.*
Medical Times and Gazette. London. 1839-85.
- Mag. Zool. de Guérin Méneville.*
Magasin de Zoologie, d'Anatomie comparée et de Palæontologie . . . Par M. F. E. Guérin-Méneville. Deuxième série [etc.]. Paris. v. 1-7, 1839-49.
- Mém. Mus. Hist. nat. Paris.*
Museum d'Histoire naturelle. Paris. *Mémoires*. v. 1-20, 1815-32.
- Mem. Werner. nat. Hist. Soc.*
Wernerian natural History Society. Edinburgh. *Memoirs*. v. 1-8, 1808-38.
- Morph. Arb.*
Morphologische Arbeiten. Jena. v. 1-8, 1891-98.
- Nagoya Igk. Z.*
Nagoya Igakkai Zasshi.
- Nat. Hist. Rev.*
Natural History Review: a quarterly Journal of biological Science. Dublin; London. v. 1-7, 1854-65.
- Nat. Sci.*
Natural Science: a monthly Review of scientific Progress. London, etc. v. 1-15, 1892-99.
- Ned. Tijdschr. Dierk.*
Nederlandsch Tijdschrift voor de Dierkunde. (K. Zoologisch Genootschap Natura artis magistra). Amsterdam. v. 1-5, 1863-84.
- New mon. Mag., London.*
New monthly Magazine. London. v. 1-14, 1814-20.
- Nihon Shika Gk. Z., Tokyo.*
Nihon Shika Gakuko Zasshi. Tokyo.
- Notizen Geb. Nat.- u. Heilk.*
Notizen aus dem Gebiete der Natur- und Heilkunde. Erfurt; Weimar. 1821-49.
- Nov. refl. fiziol. nerv. sist.*
Novoye v Refleksologii i Fiziologii nervnoy sistemy.
- Nuovi Ann. Sci. nat.*
Nuovi Annali delle Scienze naturali. Bologne. v. 1-30, 1838-54.
- Osaka Igakkwai Zasshi.*
Journal of the Osaka Medical Society.
- Pam. Tow. nauk Scist. Paryżu.*
Towarzystwo nauk Scist w Paryżu. Paris. *Pamiętnik*. v. 1-12, 1871-82.
- Philologus.*
Philologus. Zeitschrift für das klassische Altertum und sein Nachleben. Leipzig. v. 1-1846-.
- Proc. Calif. Acad. Med.*
The California Academy of Medicine. Stanford University. *Proceedings*. 1931-.
- Proc. lit. phil. Soc. Manchester.*
Manchester literary and philosophical Society. Manchester, England. *Proceedings*. v. 1-26, 1858-87.
- Proc. R. geog. Soc. Lond.*
Royal geographical Society. London. *Proceedings*. 1879-92.
- Proc. Sess. Ass. Amer. Anat.*
American Association of Anatomists. *Proceedings*. v. 1-1888-.
- Psychol. Rec.*
The psychological Record. Bloomington, Ind. v. 1-1937-.
- Publ. Univ. Calif., Los Angeles, Educ., Philso., Psychol.*
Publications of the University of California at Los Angeles in Education, Philosophy and Psychology. Los Angeles. v. 1-1933-.
- Res. Loomis Lab., Med. Dept., N. Y. Univ.*
New York University. Medical Department. Loomis Laboratory. v. 1-1890-.
- Rev. Anthropol., Paris.*
Revue d'Anthropologie. Paris. 1872-99.

- Rev. argent. Hist. nat.*
Revista argentina de Historica natural. Buenos Aires. 1891-.
- Rev. int. Sci. biol.*
Revue internationale des Sciences biologiques. Paris. v. 1-12, 1878-83.
- Rev. Mag. Zool.*
Revue et Magazin de Zoologie pure et appliquée. Paris. 1849-79.
- Rev. odontol., B. Aires.*
Revista odontológica. Buenos Aires. v. 1- 1920-.
- Rev. oto-laring. S. Paulo.*
Revista oto-laringologica. São Paulo. v. 1- 1933-.
- Rev. Sci. nat. Montpellier.*
Revue des sciences naturelles, fondée à Montpellier par M. E. Dubruel. v. 1-14, 1872-85.
- Rev. zool.*
Revue zoologique, par la société Cuvérienne. Paris. v. 1-11, 1838-48. See: Revue et Magasin de Zoologie pure et appliquée. Paris.
- Rheinisches Mus. Philol.*
Rheinisches Museum für Philologie. Bonn; Frankfurt, A. M. 1827-.
- S. Afr. J. med. Sci.*
South African Journal of medical Sciences. (Witwatersrand University). Johannesburg, South Africa. v. 1/2- 1935-.
- Schr. Univ. Kiel.*
Kiel. Universität. *Schriften*. v. 1-28, 1854-82.
- Stud. Anthropol. Lab., Anat. Sch., Cambridge.*
Studies from the Anthropological Laboratory, the Anatomy School, Cambridge. Cambridge: University Press, 1904, x, 291 pp.
- Studi Etruschi.*
Studi Etruschi. Florence. v. 1- 1927-.
- Tijdschr. nat. Gesch. Physiol.*
Tijdschrift voor natuurlijke Geschiedenis en Physiologie. Amsterdam; Leyden. v. 1-12, 1834-45.
- Trans. Amer. philol. Ass.*
American philological Association. *Transactions*. v. 1- 1869-.
- Trans. N.Y. Acad. Sci.*
New York Academy of Sciences. New York. *Transactions*. v. 1-16, 1881-97.
- Verh. batav. Genoot.*
Bataviaasch Genootschap der Kunsten en Wetenschappen. Batavia. *Verhandelingen*. v. 1-30, 1779-1863. (Early volumes were reprinted with resulting confusion in citation.) The Catalogue of the British Museum gives the following:
2nd ed., Rotterdam, Deel 1-4?, 1779-.
Another ed., Batavia, Deel 1-3, 1781-87.
Derde druk, Batavia, Deel 1-2, 1825-26.
- Verh. Ned. Inst. Wet., Amst.*
K. Nederlandsch Instituut van Wetenschappen, Letterkunde en schoone Kunsten. 1. klasse. Amsterdam. *Verhandelingen*. v. 1-7, 1812-25; Ser. 3, v. 1-5, 1849-52.
- Versl. Akad. Wet. Amst. Afd. Natuurk.*
K. Akademie van Wetenschappen. Amsterdam. *Verslagen en mededeelingen*. 1853-92.
- Voeltzkow's Reise in Ostafrika: Wiss. Ergebn.*
Reise in Ostafrika in den Jahren 1903-05 . . . ausgeführt von . . . A. Voeltzkow. Wissenschaftliche Ergebnisse. Stuttgart, 1906-14, 5 vols.
- Vysshaya Nervnaya Deyatel'nost.*
Kommunisticheskaya Akademiya. Moscow. v. 1- 1929-.
- Weber's Zool. Ergebn. Reise Nederland. Ost-Ind.*
Zoologische Ergebnisse einer Reise in Niederländisch Ost-Ind. Max Weber, ed., Leiden. 1890-91.
- Z. Physiol.*
Zeitschrift für Physiologie. Heidelberg; etc. v. 1-5, 1824-35.
- Z. Rassenk.*
Zeitschrift für Rassenkunde und ihre Nachbargebiete. Stuttgart. v. 1- 1935-.
- Z. rat. Med.*
Zeitschrift für rationelle medicin. Zurich; etc. 1842-69.
- Z. Tierpsychol.*
Zeitschrift für Tierpsychologie. Berlin. v. 1- 1937-.
- Zool. J.*
Zoological Journal. London. v. 1-5, 1824-34.
- Ztg. Zool.*
Zeitung für Zoologie, Zootomie und Palaeozoologie. Leipzig. 1848-49.

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