

An Interdisciplinary Bibliography
of Freshwater Crayfishes
(Astacoidea and Parastacoidea)
from Aristotle through 1985

C.W. HART, Jr.
and
JANICE CLARK

SMITHSONIAN CONTRIBUTIONS TO ZOOLOGY • NUMBER 455

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Robert McC. Adams
Secretary
Smithsonian Institution

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SMITHSONIAN INSTITUTION PRESS

Washington, D.C.

1987

ABSTRACT

Hart, C.W., Jr., and Janice Clark. An Interdisciplinary Bibliography of Freshwater Crayfishes (Astacoidea and Parastacoidea) from Aristotle through 1985. *Smithsonian Contributions to Zoology*, number 455, 437 pages, 1987.—More than 11,000 citations are listed that pertain in some way to freshwater crayfishes of the world. Sequentially numbered citations are presented in full (or as near so as practicable), and appear in alphabetical order by author, and under author, by date. Alphanumeric codes indicate subject matter, and a subjective index refers to the pertinent citation numbers in the Bibliography. With the exception of what were deemed blatant ephemera, any work referring to crayfishes was included in the compilation, and no judgment was made as to its value.

OFFICIAL PUBLICATION DATE is handstamped in a limited number of initial copies and is recorded in the Institution's annual report, *Smithsonian Year*. The coral *Montastrea cavernosa* (Linnaeus).

Library of Congress Cataloging in Publication Data

Hart, C. W.

An interdisciplinary bibliography of freshwater crayfishes (Astacoidea and Parastacoidea) from Aristotle through 1985.

(Smithsonian contributions to zoology ; no. 455)

Includes index.

Supt. of Docs. no. : S1 1.27:455

1. Crayfish—Bibliography. 2. Freshwater invertebrates—Bibliography. 1. Clark, Janice, 1948-. II. Title. III. Series.

QL1.S54 no. 455 [QL444.M33] 595.3'841 86-600312

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**For Horton H. Hobbs, Jr.,
who believed this could be done,
and for Lipke B. Holthuis,
who doubted it.**

An Interdisciplinary Bibliography of Freshwater Crayfishes (Astacoidea and Parastacoidea) from Aristotle through 1985

*C.W. Hart, Jr.
and Janice Clark*

Introduction

*I should have been a pair of ragged claws
Scuttling across the floors of silent seas . . .*

T.S. Eliot

Freshwater crayfishes have not been exempt from the extraordinary growth of information that has taken place in recent years. The number of new crayfish references now exceeds 400 per year, and it is becoming increasingly difficult to keep up with the literature. This annotated bibliography is, therefore, an attempt to bring together, in as complete a form as practicable, all references to freshwater crayfishes (Astacoidea and Parastacoidea) published before 1986.

The irascible Venia T. Phillips, long the librarian and archivist at the Academy of Natural Sciences of Philadelphia and friend of one of us (CWH), contended, with some vehemence, that the word "bibliography" implied completeness; that no list of references to a given subject deserved the name unless every relevant reference was there. Under such a draconian definition, the word "bibliography" would have become obsolete long ago; except for the most limited or esoteric subjects, completeness is simply a fantasy.

We do not, therefore, use the word "bibliography" in the "Phillipsian" sense, but in a much looser and more flexible one. Perhaps our decision to include "everything" pertaining to crayfishes was a foolhardy and reckless thing to attempt, for had we resources enough and time we would still be caught short by the vastness and elusiveness of

knowledge. Consequently, we have probably missed some disciplines completely, merely grazed the peaks of others, and dug more deeply than necessary into too many.

In aiming for completeness, we did not consider whether new information was presented, existing knowledge was reviewed, or crayfishes were merely mentioned in passing. Except for the most blatant of ephemera (such as posters advertising crawfish festivals in Louisiana), if a crayfish was mentioned or implied, the work was included. This was due partly to our not wishing to pass judgment on the importance of various references, but also to a recognition that the human mind is a strange device that can be sparked by the most whimsical, outlandish, or fleeting bits of information. So, for those who like to browse in odd places in search of sparks that might kindle mental cross-references, this compilation presents a certain eclecticism.

Our initial view of the subject was relatively extensive, but we did not grasp the catholicity of interest in crayfishes—and the subject matter turned out to have dimensions that we did not dream of when we began. We did not guess the extent of the literature on physiology, nor did we anticipate the need for subject categories such as mythology, art, postage stamps, or that cluttered midden we euphemistically call "*Belles lettres (sensu lato)*."

We started with the aim of acquiring copies of all references so that they might be annotated in depth and maintained for use by others. Even with our enviable resources, however, we were quite unable to do this. The annotations are, therefore, a mix of those made from the original papers, those that were annotated (wholly or in part) by others, and those that were derived from titles alone.

Because journal citation abbreviations are anathema to us, we have attempted to present something approaching

complete citations so that ambiguities and uncertainties concerning them are eliminated. We were probably reasonably successful in this, but, placed side-by-side, some citations to specific journals will be found to vary widely in details. Too, a number of citations have refused verification and have been left as we found them—particularly the details of some Polish and Russian publications, and occasionally the names of serials that have been translated into other languages and which, for us, defy translation in reverse.

A few references are included in the compilation even though they are incomplete in other ways, such as missing dates, titles, paginations, and the like. This does not indicate that we were unmindful of those details, but that we simply were unable, within a reasonable time, to pursue the lengthy search required to verify them. We do not, you may gather, subscribe to the admonition that a little learning is dangerous, and have included some of these fragmentary references in the hope that others who might be interested may be more successful in finding them than we.

As an additional caveat, users should be aware that an occasional reference here and there may contain no trace of a crayfish. This unhappy situation would have occurred as a result of our necessary acceptance that certain references embrace crayfish somewhere in the text, and from our own inability to verify each referenced text for alleged crayfish content.

Far into the project, shortcomings became obvious that were primarily due to our own biases. The categories coded under physiology, for instance, may not live up to the expectations of the neurophysiologists. Similar problems may arise for those concerned with pollution ecology, and there are doubtless other gaps. Lacking specific category codes for certain subjects, yet mindful of the pitfalls involved in adding categories after the project was underway, we have in many instances coded the papers in what seemed to us to be the nearest conceivable categories—some of which may appear inappropriate (or even humorous) by the standards of workers closely allied with particular disciplines. We laugh, ourselves, at our decision to include pre-Linnean material in the same category with Mythology, and hope that users who fail to find exact congruence between their perceived needs and our index terms will call upon personal imaginations to determine how we might have categorized a paper.

The reader will note that no two people are likely to annotate a given paper in exactly the same way, and even the same individual may not annotate a complex paper consistently at different times and places. For this we offer no apology. We all have our own prejudices and limitations, and even tend to have different insights at different times—due, no doubt, to changes in the barometric pressure or to the state of our digestion.

Finally, we have been accused of degrading languages (because diacritical marks are not used) and of disobeying

the International Code of Zoological Nomenclature (because generic and specific names are neither italicized nor underlined). The accusations are true, but we did not degrade or disobey through ignorance or carelessness. We did it because the computer available to us did not support orthographic niceties.

For these reasons, we advise users of this bibliography to look on it as a guide and not as gospel; to remember that the information has come from many sources and at times under circumstances that defy accuracy checks. Citations that we may have missed will be added to the computer files and, we hope, published in a future volume. We shall be grateful if users will call our attention to errors and omissions, and ensure that we receive copies of their own papers relating to crayfishes.

ACKNOWLEDGMENTS

We are deeply indebted to Horton H. Hobbs, Jr., Zoologist Emeritus, Smithsonian Institution, Washington, D.C., who encouraged us in this undertaking and helped in many ways to ensure its completion. Without his help and the availability of his files amassed over many years, the work would not have been attempted. For additional substantive help, we are also grateful to Lipke B. Holthuis, Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands, who made his files available to us and who graciously assisted one of us (JC) during a visit to his museum. Horton H. Hobbs III, Wittenberg University, Springfield, Ohio, allowed us access to his files dealing with crayfish predator-prey relationships, thus adding a dimension to this work that would not otherwise have been included, and Perry C. Holt, Virginia Polytechnic Institute and State University, Blacksburg, offered the use of his files on branchiobdellid worms associated with crayfishes. We also thank the hundreds of individuals who answered our letters, sent us copies of their papers, referred our letters to colleagues whom we had missed, and who sometimes sent words of encouragement that confirmed our belief that the project was worthwhile.

We appreciate, also, the efforts of many members of the Smithsonian Institution Libraries staff, who tolerated our naive questions and cheerfully aided us in many ways. In particular, we thank Jack Marquardt (now retired), Sylvia J. Churgin (now at the Smithsonian Tropical Research Institute), Ellen Wells (Chief of Special Collections), and Mary Clare Gray, Susan Vanhaften Mackler (now in Africa), Janette Saquet, Barbara Veloz, Gloria Atkinson, and Carolyn Hahn, of the Central Reference Services.

The references to postage stamps, customs stamps, and Russian *Zemstvo* stamps presenting pictures of crayfishes are drawn largely upon data supplied by Mr. George A. Bearse of South San Francisco, California, and made available to us by Lipke B. Holthuis.

The original data-capture sheet used in this compilation

was designed by Ann Ruttle (then with the Automatic Data Processing Program of the National Museum of Natural History, now with the Office of Programming and Budget). Help with data manipulation and information on many aspects of computerization were provided by Gregory A. Blair (then with the Office of Information Resource Management), Dale Child (contracted by the Office of Information Resource Management to write a program to format and index the bibliography for publication), Bruce A. Daniels (Automatic Data Processing Program), Patricia Nutter (Department of Invertebrate Zoology), and Ralph Walker (Office of Information Resource Management). We are also indebted to Richard Lytle, Director of the Office of Information Resource Management, who provided funds for Ms. Child.

Amoret Bunn, a student at Virginia Polytechnic Institute and State University, and Carmen Parrott, a student at Vassar College, provided enthusiastic help on the project during the summer of 1983. They carried out with considerable grace a number of absolutely wretched, but essential, tasks. Ms. Bunn was partially supported by Invertebrate Zoology departmental funds, and Ms. Parrott worked under a summer intern program sponsored by the Smithsonian Institution's Office of Fellowships and Grants. During 1984, Shirley Schwarz provided invaluable help in translating titles, seeking out obscure journal citations, and entering data. As with Ms. Bunn, Dr. Schwarz was supported by departmental funds.

During 1985, Janet Reid and Roy Kropp, also supported by departmental funds, cross-checked references, entered data, and contributed in many ways to the project. Janet and her husband, Willis, also supplied us with a large number of obscure references, including a curious lot concerning *Paragonimus* infestations of crayfishes in the Orient and elsewhere, for which we are most grateful. We also were aided during that time by Elizabeth Keane, a senior at Madeira School in Virginia, who soon developed a loathing for all copying machines.

Keiko H. Moore (Systematics Laboratory, National Oceanic and Atmospheric Administration) provided invaluable help in translating and interpreting Japanese papers for us.

Without exception, everyone who has worked on this venture has done so in a spirit of good cheer that was, at times, difficult to comprehend.

Finally, we thank the Atherton Seidell Fund administrators for providing a microcomputer to be used for data entry; S. Dillon Ripley, then Secretary of the Smithsonian Institution, for a grant to enable one of us (JC) to visit the Rijksmuseum van Natuurlijke Historie, Leiden; Clyde F.E. Roper, Chairman, Department of Invertebrate Zoology, for providing departmental funds for part-time help in data entry and for one of us (CWH) to travel to the Archives of Cajun Folklore, University of Southwestern Louisiana, Lafayette, Louisiana; Barbara J. Spann, Supervisor of the Series Publications, Smithsonian Institution Press, who ad-

vised us on production problems and helped when we faced seemingly insurmountable obstacles; Mary R. Tanner, Administrative Officer, National Museum of Natural History, who graciously tolerated our questions and concerns about funding; and Donald C. Fisher, editor, Smithsonian Institution press, who saw this through to publication.

Format of the Bibliography

Each citation contains the author(s), date, title of paper or book, journal or publisher, and pagination. Also, included within brackets [] are alphanumeric subject codes, genera or species discussed in the work (when known), and occasional notes that clarify or add information. We have attempted to include all genera referred to in each paper, but because of the large number of crayfish species, we have limited those annotations to only four that are deemed to be of widespread importance—*Astacus astacus*, *Orconectes virilis*, *Procambarus clarkii*, and *Cambarellus shufeldtii*. (Complicating this task was the fact that we did not see the texts of many of the papers, and therefore often did not know what crayfish were included.)

Citations are arranged alphabetically by author and chronologically by date. Each citation is followed by a number, to which those in the index refer. Rather than attempting to divine personal preferences and national customs regarding the placements of "van," "von," "vom," and "de" about surnames, we have arbitrarily placed them before the surnames and alphabetized them accordingly.

We have also unmercifully stretched the concept of the biological citation in referencing art and music (and no doubt other things). The information that we have, however, is there—and we trust the muses will understand and forgive.

Anomalies

It is well known that a number of organisms belonging to neither the Astacoidea nor the Parastacoidea are commonly referred to as "crayfish." *Panulirus* spp. and certain freshwater shrimps are examples, but the appellation has also been given, on occasion, to crabs, amphipods, and no doubt other things. We have attempted to eliminate such citations from the compilation, although a few might have slipped by when it was unclear what kind of crayfish some authors were referring to.

Not so universally appreciated, however, and conceivably a source of some confusion, is the fact that a recessive mutant expressed in the pupa of *Bombyx mori* is referred to as "Eguchi's crayfish pupa."^{1,2}

¹Fujimaki, Tadahiko. 1976. On the Linkage Analysis of a New Mutant, Eguchi's Crayfish Pupa, in the Silkworm, *Bombyx mori* L. *Nippon Sanshi-Gaku Zasshi* [The Journal of Sericulture Science of Japan], 45(6):507-510. (In Japanese, with English summary.)

²———. 1980. Gene Locus of Eguchi's Crayfish Pupa in *Bombyx mori*. *Nippon Sanshi-Gaku Zasshi*, 49(6):466-470. (In Japanese, with English summary.)

Alphanumeric Codes and the Subjects to Which They Refer

The following codes appear in the citations to indicate general categories of information contained in them. They are listed here with the subjects that they represent so that users might determine their meaning while scanning the bibliography or using individual citations.

| | | | |
|-----|---|------------|---|
| 01a | Monographs | 15l | Mite associations |
| 01b | Faunal lists/Catalogues | 15m | Miscellaneous associations, parasites, or diseases |
| 01c | Descriptions/Nomenclature/Serology | 16 | Behavior |
| 02 | Keys | 17a or 18a | Biochemical oxygen demand (B.O.D.) |
| 03 | Bibliographies, significant | 17b or 18b | Dissolved oxygen (D.O.) |
| 04a | Distribution, natural | 17c or 18c | Trace metals/Trace elements |
| 04b | Migrations | 17d or 18d | Fungicides/Algicides/Pesticides/Hydrocarbons/ Toxic chemicals |
| 04c | Introductions | 17e or 18e | pH |
| 04d | Habitats | 17f or 18f | Temperature |
| 04e | Caves | 17g or 18g | Diet/Feeding/Food of |
| 05 | Zoogeography | 17h or 18h | Indicators |
| 06a | Canada | 17i or 18i | Currents |
| 06b | United States, southeastern | 17j | Habitat descriptions |
| 06c | United States, northeastern | 17k or 18k | Ecology, general |
| 06d | United States, midwestern | 17l or 18l | Salinity/Osmosis |
| 06e | United States, southwestern | 17m or 18m | Light |
| 06f | United States, far western | 17n or 18n | Circadian rhythm/Diurnal rhythm/Seasonal rhythm/Hibernation |
| 06g | Central America/Cuba/Mexico | 17o | Predator-Prey relationships |
| 06h | South America | 17p or 18p | Radioecology/Isotopes |
| 06i | Asia | 19a | Circulatory system, morphology |
| 06j | Australia/New Guinea/New Zealand | 19b | Digestive system, morphology |
| 06k | Europe | 19c | Endocrine system, morphology |
| 06l | Madagascar | 19d | Excretory system, morphology |
| 06m | Africa | 19e | Musculatory system, morphology |
| 06n | Pacific islands | 19f | Nervous system, morphology |
| 07 | Growth/Life history/Marking techniques/Moulting/ Population dynamics | 19g | Eggs/Reproductive system, morphology |
| 08 | Evolution | 19h | Respiratory system, morphology |
| 09 | Relationships | 19i | Skeletal system, morphology/Malformations/Deform- ities/Statocysts |
| 10 | Homologies | 20a | Circulatory system, physiology |
| 11 | Fossils | 20b | Digestive system, physiology |
| 12a | Aquaculture/Fisheries/Aquarium rearing | 20c | Endocrine system, physiology |
| 12b | Collecting/Harvesting | 20d | Excretory system, physiology |
| 12c | Economics | 20e | Musculatory system, physiology |
| 12d | Recipes/Food, as | 20f | Nervous system, physiology |
| 12e | Contamination/Transportation | 20g | Eggs/Reproductive system, physiology |
| 12f | Food characteristics/Caloric content/Protein content/Carotenoids | 20h | Respiratory system, physiology |
| 12g | Commercial uses/Legal aspects | 20i | Skeletal system, physiology |
| 13 | Harmful effects | 20j | Metabolism |
| 14 | Endangered species | 21 | Embryology |
| 15a | Histiobdellid and branchiobdellid associations | 22 | Medical research (See also 15c, 20f, N1—N15)/Im- mune system |
| 15b | Ostracod commensals | 23a | Histology, conventional |
| 15c | Fluke parasites | 23b | Electron microscopy |
| 15d | Fungus diseases/Fungus growths | 23c | Histochemistry |
| 15e | Protozoan diseases | 23d | Preservation techniques |
| 15f | Copepod associations | 24 | Belles lettres (sensu lato) |
| 15g | Amphipod associations | 25 | Genetics |
| 15h | Temnocephalid commensals | 26 | Folk Medicine/Folklore/Mythology/Pre-Linnean ma- terial |
| 15i | Muscle wasting disease | 27 | Art/Maps/Stamps/Heraldry |
| 15j | Bacterial diseases | 28 | Color |
| 15k | Nematode associations | 29 | Music |
| | | 30 | Newsletters |
| | | 31 | "Crayfish"—Vernacular names; uses and etymology of the word |
| | | 32 | Places/Geographical locations |
| | | 33 | Checklists |
| | | M1 | Musculature system, reflexes |
| | | M2 | Musculature system, calcium |
| | | N1 | Nervous system, chemicals, effects of |

| | | | |
|----|---|-----|--|
| N2 | Nervous system, physical factors, effects of | N10 | Nervous system, glutamate |
| N3 | Nervous system, neuromuscular functions/Escape reflex | N11 | Nervous system, stretch receptors |
| N4 | Nervous system, inhibition/Facilitation | N12 | Nervous system, research techniques/Research devices |
| N5 | Nervous system, nerve functions/Transmitters | N13 | Nervous system, calcium |
| N6 | Nervous system, neurosecretion | N14 | Nervous system, sensory physiology (except Photoreceptors, q.v.) |
| N7 | Nervous system, photoreceptors | N15 | Nervous system, regeneration/Degeneration |
| N8 | Nervous system, synapses/Neuromuscular junctions | P | Pheromones |
| N9 | Nervous system, gamma amino benzoic acid (GABA) | | |

A

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1971. Usloviye i Rezul'taty Rezvdeniia Rechnykh Rakov. Vestnik kn.: Tez. Doklady k konf. po Intensivnomu Rybokhozieistvennomu Napolshz. Vnutr. Vodoemov Sev. Kavkaza. Krasnodar, 47-48. [06i, 12a, 12c]
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1971. Usloviye i Rezul'taty Rezvdeniia Rechnykh Rakov. Vestnik kn.: Tez. Doklady k konf. po Intensivnomu Rybokhozieistvennomu Napolshz. Vnutr. Vodoemov Sev. Kavkaza. Krasnodar, 47-48. [06i, 12a, 12c]
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- Abbott, Bernard C. and I. Parnas**
1965. Electrical and Mechanical Responses in Deep Abdominal Extensor Muscles of Crayfish and Lobster. *Journal of General Physiology*, 48:919-931, 8 figures. [20e/ *Orconectes virilis*]
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1873. Notes on Habits of Certain Crayfish. *American Naturalist*, 7:80-84. [04d, 06c, 17g, 17j/ *Astacus astacus*, *Cambarus*]
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1883. On the Habits of Certain Sunfish. *American Naturalist*, 17:1254-1257. [17o]
- 4
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1884. Are the "Chimneys" of Burrowing Crayfish Designed? *American Naturalist*, 18(11):1157-1158. [16/ *Cambarus*]
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- Abbott, Charles C.**
1885. How the Burrowing Crayfish Works. *The Inland Monthly*, 1:31-32. [16/ *Cambarus*]
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1912. An Unusual Symbiotic Relationship Between a Water Bug and a Crayfish. *American Naturalist*, 46(549):553-556, 1 plate. [06d, 15m/ *Cambarus*]
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1975. Electrophysiological Analysis of Potassium and Sodium Movements in Crustacean Nervous System. *Journal of Experimental Biology*, 63:85-115, 19 figures, 1 table. [19f, 20f, 23b, 23c, N1/ *Procambarus clarkii*]
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1973. Ionic Permeability of Perineural Sheath of Crayfish Central Nervous System. *Journal of Physiology*, 234:54-56P, 1 figure. [20a, 20f, N5/ *Procambarus*]
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1977. Primitive Forms of Potassium Homeostasis: Observations on Crustacean Central Nervous System with Implications for Vertebrate Brain. *Experimental Eye Research*, 25(Suppl):259-271, 6 figures, 2 tables. [09, 20a, 20f, 23b, N5/ *Procambarus clarkii*]
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1939. *Paregonimus westermanni* In Menchoukuo. Tokai Ijishinshi, Tokyo, 3125. [In Japanese/06i, 15c/ *Cambaroides*]
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1982. Biogeography. In Dorothy E. Bliss, editor, *The Biology of Crustacea*. New York: Academic Press, Inc., 1:241-304, 20 figures. [11]
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Aphanomyces (see Fungus diseases)

Aquaculture

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 19 | 20 | 22 | 24 | 26 | 29 | 37 | 47 | 111 | 132 | 172 | 173 | 181 | 200 |
| 216 | 217 | 218 | 222 | 243 | 247 | 291 | 293 | 295 | 296 | 299 | 300 | 316 | 324 | 349 |
| 350 | 351 | 352 | 353 | 354 | 364 | 365 | 374 | 375 | 376 | 378 | 382 | 383 | 386 | 395 |
| 396 | 399 | 400 | 401 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 |
| 414 | 420 | 422 | 424 | 427 | 428 | 429 | 431 | 432 | 434 | 436 | 440 | 441 | 446 | 448 |
| 451 | 457 | 460 | 467 | 471 | 476 | 477 | 479 | 480 | 484 | 490 | 494 | 559 | 574 | 575 |
| 579 | 580 | 582 | 591 | 592 | 594 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 649 |
| 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 660 | 661 | 662 | 663 | 664 | 665 |
| 666 | 667 | 668 | 688 | 690 | 716 | 724 | 747 | 751 | 756 | 757 | 758 | 764 | 765 | 841 |
| 848 | 849 | 864 | 865 | 866 | 905 | 922 | 942 | 953 | 958 | 984 | 988 | 1031 | 1032 | 1036 |
| 1038 | 1040 | 1041 | 1042 | 1043 | 1047 | 1048 | 1057 | 1059 | 1096 | 1098 | 1182 | 1183 | 1194 | 1206 |
| 1207 | 1210 | 1214 | 1220 | 1247 | 1268 | 1275 | 1276 | 1279 | 1280 | 1281 | 1282 | 1283 | 1287 | 1288 |
| 1294 | 1295 | 1302 | 1303 | 1311 | 1313 | 1314 | 1325 | 1327 | 1360 | 1408 | 1411 | 1415 | 1417 | 1422 |
| 1497 | 1506 | 1511 | 1512 | 1541 | 1568 | 1571 | 1576 | 1577 | 1578 | 1598 | 1627 | 1630 | 1632 | 1633 |
| 1636 | 1637 | 1639 | 1641 | 1642 | 1666 | 1691 | 1693 | 1697 | 1713 | 1729 | 1753 | 1754 | 1766 | 1772 |
| 1776 | 1782 | 1792 | 1793 | 1794 | 1832 | 1833 | 1834 | 1835 | 1836 | 1837 | 1838 | 1839 | 1840 | 1841 |
| 1842 | 1883 | 1908 | 1913 | 1919 | 1938 | 1947 | 1948 | 1949 | 1950 | 1961 | 1976 | 2007 | 2060 | 2061 |
| 2113 | 2114 | 2125 | 2130 | 2131 | 2132 | 2134 | 2135 | 2136 | 2138 | 2140 | 2141 | 2145 | 2149 | 2150 |
| 2151 | 2161 | 2164 | 2166 | 2172 | 2182 | 2183 | 2185 | 2190 | 2195 | 2200 | 2202 | 2203 | 2226 | 2233 |
| 2237 | 2246 | 2248 | 2297 | 2301 | 2309 | 2311 | 2319 | 2322 | 2323 | 2324 | 2335 | 2338 | 2344 | 2346 |
| 2347 | 2350 | 2352 | 2353 | 2354 | 2355 | 2361 | 2390 | 2397 | 2399 | 2400 | 2401 | 2403 | 2404 | 2406 |
| 2414 | 2415 | 2422 | 2423 | 2433 | 2467 | 2509 | 2517 | 2530 | 2553 | 2576 | 2577 | 2656 | 2657 | 2658 |
| 2726 | 2741 | 2750 | 2762 | 2763 | 2790 | 2799 | 2801 | 2803 | 2819 | 2834 | 2835 | 2841 | 2876 | 2888 |
| 2913 | 2980 | 3073 | 3136 | 3142 | 3169 | 3180 | 3199 | 3200 | 3213 | 3215 | 3216 | 3220 | 3223 | 3233 |
| 3254 | 3288 | 3315 | 3336 | 3337 | 3338 | 3342 | 3344 | 3360 | 3380 | 3381 | 3382 | 3396 | 3410 | 3411 |
| 3426 | 3427 | 3428 | 3429 | 3432 | 3437 | 3453 | 3499 | 3508 | 3551 | 3552 | 3582 | 3592 | 3593 | 3604 |
| 3605 | 3616 | 3619 | 3626 | 3627 | 3628 | 3629 | 3630 | 3631 | 3646 | 3672 | 3689 | 3691 | 3692 | 3697 |
| 3732 | 3736 | 3737 | 3738 | 3747 | 3748 | 3752 | 3754 | 3788 | 3806 | 3808 | 3841 | 3848 | 3849 | 3850 |
| 3852 | 3873 | 3895 | 3939 | 3955 | 3996 | 4034 | 4139 | 4144 | 4150 | 4205 | 4207 | 4228 | 4247 | 4251 |
| 4272 | 4275 | 4288 | 4290 | 4304 | 4369 | 4503 | 4554 | 4566 | 4573 | 4575 | 4576 | 4665 | 4670 | 4695 |
| 4707 | 4744 | 4748 | 4758 | 4759 | 4767 | 4768 | 4771 | 4772 | 4773 | 4774 | 4776 | 4777 | 4779 | 4780 |
| 4781 | 4782 | 4783 | 4785 | 4786 | 4788 | 4789 | 4791 | 4792 | 4793 | 4796 | 4797 | 4798 | 4799 | 4800 |
| 4802 | 4803 | 4804 | 4807 | 4808 | 4809 | 4813 | 4818 | 4822 | 4823 | 4824 | 4825 | 4826 | 4827 | 4857 |
| 4883 | 4914 | 4929 | 4941 | 4949 | 4950 | 4951 | 4956 | 4959 | 4963 | 4971 | 4989 | 4998 | 5023 | 5029 |
| 5032 | 5036 | 5057 | 5061 | 5073 | 5074 | 5078 | 5079 | 5080 | 5081 | 5083 | 5099 | 5100 | 5102 | 5104 |
| 5109 | 5137 | 5145 | 5148 | 5169 | 5204 | 5212 | 5213 | 5245 | 5246 | 5251 | 5253 | 5327 | 5384 | 5392 |
| 5433 | 5481 | 5499 | 5500 | 5519 | 5521 | 5522 | 5523 | 5524 | 5525 | 5526 | 5527 | 5528 | 5534 | 5536 |
| 5537 | 5541 | 5543 | 5558 | 5628 | 5629 | 5652 | 5675 | 5690 | 5710 | 5711 | 5712 | 5713 | 5715 | 5716 |
| 5721 | 5759 | 5780 | 5781 | 5790 | 5792 | 5823 | 5849 | 5850 | 5851 | 5852 | 5863 | 5866 | 5887 | 5888 |
| 5899 | 5901 | 5903 | 5904 | 5905 | 5907 | 5916 | 5917 | 5924 | 5935 | 5939 | 5943 | 5974 | 5978 | 5980 |
| 6013 | 6014 | 6015 | 6019 | 6084 | 6085 | 6086 | 6090 | 6151 | 6159 | 6160 | 6161 | 6162 | 6163 | 6164 |
| 6204 | 6216 | 6217 | 6240 | 6255 | 6257 | 6260 | 6265 | 6312 | 6322 | 6348 | 6350 | 6357 | 6378 | 6411 |
| 6418 | 6435 | 6442 | 6444 | 6446 | 6465 | 6513 | 6525 | 6526 | 6570 | 6587 | 6588 | 6612 | 6646 | 6647 |
| 6677 | 6682 | 6686 | 6715 | 6717 | 6719 | 6720 | 6721 | 6722 | 6725 | 6739 | 6748 | 6766 | 6768 | 6769 |
| 6770 | 6776 | 6788 | 6790 | 6791 | 6800 | 6807 | 6810 | 6832 | 6835 | 6841 | 6887 | 6889 | 6905 | 6916 |

Aquaculture (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6919 | 6920 | 6925 | 6942 | 6952 | 6964 | 6991 | 6992 | 6994 | 6997 | 6999 | 7000 | 7001 | 7002 | 7004 |
| 7006 | 7007 | 7008 | 7009 | 7010 | 7012 | 7013 | 7014 | 7037 | 7040 | 7054 | 7110 | 7115 | 7174 | 7188 |
| 7189 | 7190 | 7192 | 7203 | 7206 | 7225 | 7226 | 7227 | 7228 | 7229 | 7282 | 7283 | 7284 | 7285 | 7286 |
| 7287 | 7288 | 7289 | 7290 | 7327 | 7359 | 7363 | 7385 | 7396 | 7430 | 7431 | 7433 | 7457 | 7466 | 7467 |
| 7469 | 7495 | 7496 | 7511 | 7512 | 7592 | 7617 | 7618 | 7622 | 7638 | 7796 | 7798 | 7800 | 7804 | 7805 |
| 7806 | 7807 | 7808 | 7813 | 7814 | 7838 | 7845 | 7847 | 7860 | 7863 | 7867 | 7882 | 7900 | 7905 | 7906 |
| 7907 | 7908 | 7922 | 7943 | 7945 | 7947 | 7948 | 7950 | 7952 | 7989 | 7990 | 7996 | 8046 | 8067 | 8069 |
| 8085 | 8097 | 8124 | 8125 | 8137 | 8145 | 8236 | 8262 | 8263 | 8274 | 8297 | 8300 | 8301 | 8302 | 8308 |
| 8310 | 8314 | 8315 | 8331 | 8389 | 8390 | 8406 | 8422 | 8436 | 8450 | 8453 | 8455 | 8460 | 8481 | 8506 |
| 8515 | 8519 | 8520 | 8526 | 8536 | 8537 | 8543 | 8573 | 8598 | 8599 | 8601 | 8611 | 8633 | 8635 | 8652 |
| 8667 | 8668 | 8698 | 8705 | 8706 | 8707 | 8712 | 8782 | 8803 | 8810 | 8818 | 8825 | 8831 | 8833 | 8835 |
| 8836 | 8837 | 8838 | 8839 | 8840 | 8849 | 8850 | 8856 | 8871 | 8874 | 8888 | 8945 | 8972 | 8973 | 8974 |
| 8992 | 8993 | 9033 | 9055 | 9069 | 9109 | 9138 | 9140 | 9141 | 9162 | 9190 | 9191 | 9206 | 9234 | 9236 |
| 9237 | 9241 | 9244 | 9260 | 9264 | 9356 | 9407 | 9442 | 9444 | 9480 | 9487 | 9493 | 9495 | 9497 | 9522 |
| 9554 | 9577 | 9617 | 9618 | 9649 | 9657 | 9738 | 9739 | 9740 | 9753 | 9759 | 9824 | 9832 | 9834 | 9838 |
| 9857 | 9887 | 9898 | 9914 | 9917 | 9952 | 9963 | 9965 | 9982 | 9983 | 9989 | 9990 | 9991 | 10041 | 10042 |
| 10043 | 10047 | 10095 | 10128 | 10130 | 10158 | 10160 | 10164 | 10170 | 10195 | 10251 | 10267 | 10282 | 10302 | 10304 |
| 10333 | 10335 | 10337 | 10340 | 10341 | 10342 | 10343 | 10352 | 10417 | 10420 | 10430 | 10437 | 10438 | 10441 | 10444 |
| 10478 | 10491 | 10493 | 10547 | 10569 | 10577 | 10585 | 10597 | 10599 | 10611 | 10615 | 10619 | 10621 | 10622 | 10630 |
| 10631 | 10633 | 10656 | 10688 | 10757 | 10758 | 10759 | 10801 | 10870 | 10909 | 10940 | 10941 | 10954 | 10955 | 10957 |
| 10981 | 10996 | 11025 | 11032 | 11033 | 11144 | 11145 | 11157 | | | | | | | |

Archaeological remains (see Fossils)**Art**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| 85 | 526 | 636 | 1364 | 1409 | 2266 | 2477 | 2691 | 3230 | 4020 | 4582 | 4647 | 5830 | 6218 | 6513 |
| 7437 | 9266 | 9267 | 9268 | 9269 | 9270 | 9271 | 9272 | 9273 | 9274 | 9275 | 9276 | 9277 | 9278 | 9279 |
| 9280 | 9281 | 9282 | 9283 | 9284 | 9285 | 9286 | 9287 | 9288 | 9289 | 9290 | 9291 | 9292 | 9293 | 9294 |
| 9295 | 9296 | 9297 | 9298 | 9299 | 9300 | 9301 | 9302 | 10539 | 10570 | 10940 | | | | |

Associations, miscellaneous

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|
| 7 | 169 | 666 | 1096 | 1122 | 1123 | 1127 | 1128 | 1847 | 2693 | 3202 | 3330 | 4054 | 4087 | 4828 |
| 4829 | 5347 | 5753 | 5754 | 5790 | 6126 | 6349 | 6698 | 6734 | 7178 | 8657 | 10296 | 10950 | | |

Bacteria

| | | | | | | | | | | | | | | |
|-------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 162 | 167 | 170 | 222 | 437 | 582 | 637 | 666 | 753 | 1074 | 1632 | 1652 | 1798 | 1969 | 2003 |
| 2008 | 2045 | 2046 | 2836 | 2877 | 5067 | 5327 | 6387 | 6563 | 6738 | 6742 | 6771 | 6813 | 6814 | 7059 |
| 7291 | 8264 | 9956 | 9957 | 9958 | 9959 | 9960 | 10048 | 10106 | 10270 | 10271 | 10277 | 10278 | 10279 | 10282 |
| 10954 | 10955 | | | | | | | | | | | | | |

Bacterial diseases (see Bacteria)**Behavior**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 6 | 38 | 40 | 41 | 44 | 100 | 109 | 110 | 111 | 130 | 147 | 180 | 183 | 184 |
| 185 | 192 | 218 | 222 | 234 | 235 | 236 | 239 | 240 | 245 | 247 | 248 | 254 | 299 | 304 |
| 316 | 317 | 321 | 350 | 364 | 390 | 395 | 396 | 398 | 403 | 441 | 466 | 478 | 481 | 484 |
| 522 | 532 | 558 | 582 | 625 | 636 | 641 | 644 | 661 | 662 | 687 | 708 | 720 | 746 | 759 |
| 761 | 785 | 790 | 798 | 844 | 855 | 869 | 870 | 874 | 875 | 876 | 880 | 887 | 888 | 889 |
| 897 | 898 | 921 | 946 | 947 | 950 | 1026 | 1034 | 1036 | 1039 | 1044 | 1052 | 1102 | 1140 | 1145 |
| 1154 | 1155 | 1159 | 1162 | 1163 | 1165 | 1169 | 1178 | 1181 | 1182 | 1184 | 1186 | 1187 | 1190 | 1191 |
| 1192 | 1193 | 1194 | 1196 | 1197 | 1198 | 1204 | 1207 | 1213 | 1220 | 1224 | 1288 | 1311 | 1322 | 1331 |
| 1359 | 1370 | 1382 | 1383 | 1392 | 1393 | 1394 | 1413 | 1424 | 1444 | 1445 | 1446 | 1447 | 1448 | 1450 |
| 1460 | 1466 | 1468 | 1471 | 1478 | 1486 | 1487 | 1497 | 1498 | 1504 | 1505 | 1507 | 1511 | 1531 | 1532 |
| 1534 | 1535 | 1536 | 1545 | 1558 | 1560 | 1567 | 1583 | 1584 | 1585 | 1587 | 1589 | 1592 | 1593 | 1594 |

Behavior (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1595 | 1598 | 1618 | 1621 | 1632 | 1637 | 1643 | 1649 | 1650 | 1651 | 1652 | 1687 | 1699 | 1708 | 1712 |
| 1720 | 1725 | 1731 | 1732 | 1734 | 1744 | 1765 | 1800 | 1801 | 1816 | 1824 | 1832 | 1833 | 1873 | 1878 |
| 1880 | 1884 | 1885 | 1886 | 1888 | 1889 | 1909 | 1919 | 1927 | 1928 | 1939 | 1940 | 1943 | 1944 | 1965 |
| 1967 | 1968 | 1969 | 1976 | 1984 | 1988 | 1991 | 1993 | 2003 | 2016 | 2017 | 2018 | 2035 | 2036 | 2037 |
| 2040 | 2073 | 2074 | 2077 | 2078 | 2082 | 2093 | 2094 | 2095 | 2103 | 2120 | 2144 | 2150 | 2152 | 2162 |
| 2166 | 2167 | 2175 | 2177 | 2178 | 2179 | 2180 | 2181 | 2186 | 2194 | 2199 | 2205 | 2214 | 2216 | 2304 |
| 2309 | 2315 | 2316 | 2322 | 2324 | 2330 | 2331 | 2351 | 2384 | 2389 | 2402 | 2409 | 2445 | 2478 | 2486 |
| 2491 | 2493 | 2497 | 2506 | 2532 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2555 | 2559 |
| 2661 | 2662 | 2667 | 2673 | 2678 | 2690 | 2707 | 2709 | 2711 | 2734 | 2735 | 2761 | 2762 | 2768 | 2771 |
| 2773 | 2806 | 2811 | 2861 | 2905 | 2917 | 2927 | 2928 | 2938 | 2949 | 2952 | 2973 | 3039 | 3040 | 3100 |
| 3116 | 3150 | 3173 | 3174 | 3199 | 3232 | 3236 | 3238 | 3242 | 3243 | 3244 | 3258 | 3260 | 3277 | 3291 |
| 3293 | 3294 | 3297 | 3311 | 3314 | 3320 | 3331 | 3367 | 3375 | 3390 | 3395 | 3397 | 3421 | 3423 | 3434 |
| 3452 | 3485 | 3486 | 3522 | 3524 | 3534 | 3548 | 3562 | 3569 | 3577 | 3594 | 3596 | 3597 | 3604 | 3650 |
| 3653 | 3677 | 3685 | 3707 | 3712 | 3732 | 3734 | 3749 | 3758 | 3767 | 3768 | 3769 | 3770 | 3784 | 3785 |
| 3789 | 3790 | 3791 | 3792 | 3817 | 3833 | 3834 | 3849 | 3854 | 3876 | 3877 | 3888 | 3911 | 3913 | 3916 |
| 3946 | 3957 | 3964 | 3967 | 3968 | 3972 | 3973 | 3974 | 3976 | 3977 | 3984 | 4009 | 4029 | 4069 | 4078 |
| 4092 | 4093 | 4095 | 4101 | 4102 | 4103 | 4107 | 4108 | 4111 | 4125 | 4126 | 4127 | 4128 | 4132 | 4133 |
| 4134 | 4136 | 4138 | 4139 | 4140 | 4142 | 4151 | 4157 | 4160 | 4166 | 4167 | 4168 | 4206 | 4207 | 4208 |
| 4216 | 4234 | 4236 | 4250 | 4252 | 4255 | 4279 | 4281 | 4285 | 4295 | 4319 | 4320 | 4322 | 4327 | 4331 |
| 4332 | 4333 | 4334 | 4339 | 4341 | 4351 | 4356 | 4367 | 4369 | 4376 | 4383 | 4384 | 4388 | 4393 | 4403 |
| 4415 | 4424 | 4428 | 4432 | 4441 | 4445 | 4447 | 4449 | 4461 | 4466 | 4467 | 4470 | 4472 | 4474 | 4475 |
| 4484 | 4489 | 4508 | 4509 | 4512 | 4514 | 4518 | 4520 | 4522 | 4529 | 4536 | 4543 | 4566 | 4574 | 4585 |
| 4659 | 4691 | 4693 | 4695 | 4734 | 4735 | 4752 | 4754 | 4755 | 4770 | 4773 | 4777 | 4792 | 4794 | 4808 |
| 4820 | 4823 | 4834 | 4835 | 4836 | 4840 | 4847 | 4850 | 4879 | 4880 | 4883 | 4884 | 4912 | 4913 | 5016 |
| 5024 | 5030 | 5041 | 5058 | 5059 | 5077 | 5091 | 5092 | 5093 | 5109 | 5110 | 5135 | 5152 | 5158 | 5160 |
| 5168 | 5176 | 5188 | 5190 | 5191 | 5192 | 5195 | 5200 | 5226 | 5228 | 5232 | 5244 | 5245 | 5248 | 5283 |
| 5290 | 5309 | 5314 | 5324 | 5355 | 5371 | 5400 | 5401 | 5404 | 5409 | 5430 | 5480 | 5508 | 5543 | 5556 |
| 5557 | 5579 | 5586 | 5588 | 5589 | 5593 | 5594 | 5596 | 5597 | 5598 | 5599 | 5600 | 5658 | 5670 | 5678 |
| 5706 | 5710 | 5711 | 5725 | 5744 | 5748 | 5785 | 5786 | 5787 | 5788 | 5801 | 5803 | 5806 | 5807 | 5809 |
| 5814 | 5819 | 5822 | 5829 | 5844 | 5863 | 5868 | 5891 | 5896 | 5909 | 5922 | 5935 | 5936 | 5938 | 6034 |
| 6039 | 6080 | 6081 | 6082 | 6083 | 6091 | 6138 | 6152 | 6154 | 6157 | 6171 | 6181 | 6209 | 6210 | 6216 |
| 6221 | 6222 | 6244 | 6245 | 6246 | 6247 | 6248 | 6263 | 6325 | 6392 | 6402 | 6409 | 6418 | 6440 | 6441 |
| 6442 | 6446 | 6474 | 6478 | 6479 | 6480 | 6481 | 6509 | 6530 | 6559 | 6565 | 6568 | 6572 | 6573 | 6584 |
| 6602 | 6606 | 6611 | 6648 | 6675 | 6676 | 6677 | 6678 | 6679 | 6680 | 6681 | 6697 | 6723 | 6732 | 6760 |
| 6766 | 6768 | 6770 | 6773 | 6775 | 6793 | 6794 | 6796 | 6867 | 6870 | 6872 | 6873 | 6874 | 6885 | 6898 |
| 6905 | 6910 | 6924 | 6928 | 6944 | 6946 | 6947 | 6948 | 6969 | 6972 | 7003 | 7004 | 7010 | 7051 | 7068 |
| 7079 | 7083 | 7085 | 7091 | 7110 | 7158 | 7197 | 7218 | 7270 | 7282 | 7314 | 7325 | 7326 | 7377 | 7411 |
| 7413 | 7417 | 7418 | 7429 | 7431 | 7481 | 7487 | 7493 | 7494 | 7544 | 7546 | 7549 | 7550 | 7560 | 7570 |
| 7571 | 7574 | 7577 | 7578 | 7585 | 7588 | 7594 | 7604 | 7605 | 7626 | 7628 | 7631 | 7632 | 7638 | 7647 |
| 7675 | 7688 | 7697 | 7699 | 7700 | 7702 | 7708 | 7709 | 7726 | 7727 | 7728 | 7729 | 7742 | 7745 | 7753 |
| 7757 | 7758 | 7762 | 7767 | 7768 | 7769 | 7770 | 7772 | 7773 | 7815 | 7862 | 7863 | 7864 | 7865 | 7867 |
| 7878 | 7902 | 7903 | 7918 | 7946 | 7978 | 7986 | 7987 | 7988 | 8001 | 8016 | 8053 | 8060 | 8067 | 8074 |
| 8085 | 8088 | 8130 | 8162 | 8183 | 8184 | 8200 | 8201 | 8202 | 8208 | 8209 | 8210 | 8212 | 8213 | 8220 |
| 8227 | 8268 | 8272 | 8274 | 8278 | 8286 | 8292 | 8317 | 8319 | 8336 | 8351 | 8352 | 8354 | 8356 | 8399 |
| 8400 | 8409 | 8410 | 8411 | 8412 | 8413 | 8429 | 8441 | 8446 | 8466 | 8473 | 8474 | 8475 | 8476 | 8477 |
| 8478 | 8507 | 8518 | 8525 | 8528 | 8538 | 8542 | 8546 | 8548 | 8552 | 8567 | 8572 | 8587 | 8591 | 8600 |
| 8613 | 8617 | 8623 | 8647 | 8660 | 8718 | 8719 | 8720 | 8721 | 8729 | 8730 | 8731 | 8749 | 8750 | 8776 |
| 8812 | 8821 | 8891 | 8897 | 8914 | 8943 | 8995 | 8996 | 8997 | 9008 | 9009 | 9015 | 9016 | 9021 | 9024 |
| 9029 | 9062 | 9067 | 9105 | 9106 | 9107 | 9117 | 9136 | 9149 | 9190 | 9222 | 9237 | 9256 | 9260 | 9263 |
| 9332 | 9335 | 9360 | 9361 | 9364 | 9368 | 9369 | 9370 | 9372 | 9373 | 9374 | 9394 | 9404 | 9406 | 9497 |
| 9518 | 9573 | 9574 | 9590 | 9591 | 9592 | 9602 | 9610 | 9627 | 9659 | 9666 | 9669 | 9670 | 9671 | 9673 |

Behavior (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9674 | 9676 | 9677 | 9679 | 9680 | 9727 | 9758 | 9759 | 9764 | 9770 | 9773 | 9774 | 9779 | 9780 | 9789 |
| 9791 | 9814 | 9815 | 9832 | 9836 | 9841 | 9860 | 9869 | 9874 | 9887 | 9888 | 9889 | 9890 | 9892 | 9893 |
| 9894 | 9897 | 9908 | 9911 | 9912 | 9918 | 9934 | 10015 | 10022 | 10054 | 10124 | 10128 | 10170 | 10187 | 10188 |
| 10226 | 10241 | 10260 | 10324 | 10333 | 10355 | 10414 | 10457 | 10487 | 10525 | 10546 | 10578 | 10580 | 10581 | 10583 |
| 10585 | 10587 | 10591 | 10610 | 10615 | 10637 | 10640 | 10653 | 10676 | 10686 | 10730 | 10747 | 10748 | 10749 | 10750 |
| 10753 | 10767 | 10768 | 10773 | 10775 | 10778 | 10781 | 10782 | 10798 | 10804 | 10812 | 10815 | 10821 | 10830 | 10832 |
| 10833 | 10834 | 10835 | 10836 | 10837 | 10839 | 10840 | 10841 | 10842 | 10843 | 10925 | 10956 | 10974 | 10995 | 10996 |
| 11001 | 11010 | 11020 | 11021 | 11140 | 11153 | 11166 | 11167 | 11168 | 11169 | | | | | |

Belles lettres (sensu lato)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|
| 66 | 273 | 274 | 275 | 278 | 279 | 319 | 456 | 589 | 752 | 977 | 987 | 1248 | 1365 | 1600 |
| 1611 | 1629 | 1929 | 2651 | 2677 | 2720 | 2721 | 2723 | 2724 | 2725 | 2789 | 2833 | 2911 | 2986 | 3189 |
| 3190 | 3191 | 3192 | 3193 | 3194 | 3195 | 3196 | 3197 | 3198 | 3240 | 3360 | 3469 | 3600 | 3616 | 3726 |
| 3843 | 3853 | 3938 | 3957 | 3975 | 4225 | 4669 | 4885 | 5261 | 5284 | 5285 | 5350 | 5605 | 5867 | 5881 |
| 5882 | 5941 | 5958 | 6131 | 6220 | 6270 | 6736 | 6957 | 7044 | 7159 | 7312 | 7315 | 7431 | 7563 | 7600 |
| 7730 | 7841 | 7914 | 7915 | 8023 | 8089 | 8110 | 8637 | 9109 | 9206 | 9441 | 9473 | 9477 | 9631 | 10012 |
| 10125 | 10126 | 10127 | 10357 | 10402 | 10823 | 10879 | | | | | | | | |

Bibliographies (significant)

| | | | | | | | | | | | | | | |
|------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 111 | 222 | 581 | 582 | 584 | 740 | 770 | 883 | 994 | 1045 | 1140 | 1145 | 1155 | 1176 | 1497 |
| 1531 | 1976 | 2062 | 2103 | 2174 | 2176 | 2491 | 2770 | 2839 | 2917 | 3107 | 3347 | 3789 | 3998 | 4116 |
| 4427 | 4428 | 4438 | 4446 | 4466 | 4514 | 4808 | 5057 | 5168 | 6482 | 6686 | 6794 | 7226 | 7560 | 7624 |
| 7635 | 7697 | 7864 | 7922 | 7978 | 8172 | 8177 | 8179 | 8293 | 8480 | 8749 | 8906 | 9145 | 9155 | 9225 |
| 9244 | 9248 | 10457 | 10620 | 10621 | 10640 | | | | | | | | | |

Bioassays (see Chemicals, toxic)**Biochemical oxygen demand (B.O.D.)**

| | | | | | | | | | | | | | | |
|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|
| 329 | 330 | 331 | 338 | 340 | 342 | 343 | 344 | 347 | 348 | 355 | 356 | 358 | 359 | 360 |
| 361 | 366 | 367 | 368 | 369 | 388 | 389 | 468 | 587 | 1105 | 1450 | 1531 | 1532 | 2707 | 2709 |
| 3604 | 4459 | 4509 | 4514 | 4528 | 4808 | 4857 | 4994 | 5016 | 5030 | 5108 | 5547 | 5795 | 5808 | 5822 |
| 7000 | 7004 | 8526 | 8757 | 10556 | | | | | | | | | | |

Biocides (see Chemicals, toxic)**Branchiobdellid associations**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 77 | 151 | 159 | 215 | 222 | 282 | 582 | 643 | 644 | 666 | 708 | 854 | 949 | 1000 | 1046 |
| 1121 | 1126 | 1213 | 1271 | 1295 | 1347 | 1574 | 1654 | 1655 | 1833 | 1916 | 1976 | 2103 | 2260 | 2336 |
| 2478 | 2533 | 2707 | 2774 | 2775 | 2776 | 2806 | 2811 | 2845 | 2901 | 2902 | 3110 | 3447 | 3465 | 3466 |
| 3550 | 3635 | 3636 | 3638 | 3639 | 3640 | 3641 | 3642 | 3643 | 3696 | 3796 | 3889 | 3973 | 3974 | 3981 |
| 4049 | 4050 | 4052 | 4210 | 4295 | 4356 | 4382 | 4412 | 4438 | 4467 | 4468 | 4481 | 4514 | 4563 | 4591 |
| 4592 | 4593 | 4594 | 4595 | 4596 | 4597 | 4598 | 4599 | 4600 | 4601 | 4602 | 4603 | 4604 | 4605 | 4606 |
| 4607 | 4608 | 4610 | 4611 | 4612 | 4613 | 4614 | 4615 | 4616 | 4617 | 4618 | 4619 | 4620 | 4621 | 4622 |
| 4623 | 4624 | 4625 | 4626 | 4627 | 4725 | 4770 | 4808 | 4839 | 4953 | 4955 | 5026 | 5028 | 5031 | 5072 |
| 5135 | 5138 | 5209 | 5210 | 5452 | 5453 | 5454 | 5484 | 5506 | 5543 | 5561 | 5636 | 5738 | 5918 | 6087 |
| 6088 | 6089 | 6119 | 6196 | 6214 | 6524 | 6527 | 6537 | 6604 | 6637 | 6949 | 6950 | 6951 | 7033 | 7041 |
| 7042 | 7043 | 7131 | 7338 | 7339 | 7340 | 7379 | 7421 | 7519 | 7701 | 7739 | 7763 | 7773 | 7779 | 7883 |
| 7884 | 7885 | 7886 | 7953 | 8017 | 8292 | 8370 | 8371 | 8377 | 8383 | 8421 | 8623 | 8696 | 8697 | 8710 |
| 8770 | 8771 | 9006 | 9061 | 9103 | 9395 | 9470 | 9472 | 9485 | 9541 | 9542 | 9654 | 9749 | 10102 | 10159 |
| 10169 | 10265 | 10270 | 10278 | 10296 | 10307 | 10364 | 10457 | 10618 | 10665 | 10805 | 10968 | 10969 | 10970 | 10971 |
| 10972 | 11028 | | | | | | | | | | | | | |

Caloric content (see Food characteristics)**Carotenoids (see Food characteristics)**

Catalogs (see Checklists)

Caves

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 203 | 283 | 284 | 326 | 390 | 439 | 456 | 481 | 496 | 707 | 727 | 745 | 746 | 766 | 767 |
| 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 844 | 845 | 855 | 986 | 994 | 1045 |
| 1052 | 1093 | 1245 | 1258 | 1310 | 1338 | 1430 | 1449 | 1450 | 1527 | 1530 | 1531 | 1532 | 1534 | 1548 |
| 1747 | 1923 | 1934 | 1956 | 1959 | 1971 | 1972 | 1973 | 1975 | 1977 | 1980 | 1981 | 1982 | 1984 | 1985 |
| 1986 | 1987 | 1988 | 1989 | 1991 | 1992 | 1996 | 1997 | 1999 | 2000 | 2001 | 2002 | 2062 | 2063 | 2105 |
| 2119 | 2211 | 2212 | 2213 | 2214 | 2219 | 2227 | 2272 | 2273 | 2333 | 2334 | 2336 | 2407 | 2446 | 2492 |
| 2493 | 2495 | 2496 | 2499 | 2551 | 2707 | 2708 | 2709 | 2757 | 2758 | 2915 | 2917 | 2918 | 2919 | 2920 |
| 2921 | 2924 | 2926 | 3042 | 3051 | 3058 | 3103 | 3111 | 3127 | 3141 | 3183 | 3259 | 3260 | 3262 | 3264 |
| 3265 | 3266 | 3267 | 3268 | 3269 | 3390 | 3419 | 3420 | 3421 | 3546 | 3547 | 3548 | 3708 | 3868 | 3869 |
| 3903 | 3952 | 3959 | 3972 | 3973 | 3989 | 4010 | 4011 | 4088 | 4101 | 4102 | 4103 | 4106 | 4107 | 4108 |
| 4110 | 4342 | 4351 | 4355 | 4368 | 4404 | 4411 | 4421 | 4425 | 4428 | 4429 | 4435 | 4443 | 4445 | 4446 |
| 4447 | 4451 | 4455 | 4456 | 4462 | 4466 | 4469 | 4472 | 4507 | 4508 | 4509 | 4510 | 4511 | 4512 | 4513 |
| 4514 | 4515 | 4516 | 4517 | 4518 | 4520 | 4522 | 4523 | 4524 | 4525 | 4527 | 4528 | 4529 | 4531 | 4532 |
| 4533 | 4534 | 4537 | 4538 | 4588 | 4589 | 4590 | 4610 | 4651 | 4652 | 4653 | 4699 | 4700 | 4701 | 4702 |
| 4726 | 4727 | 4732 | 4837 | 4881 | 4931 | 4932 | 4933 | 4934 | 4935 | 5000 | 5001 | 5008 | 5009 | 5010 |
| 5011 | 5012 | 5013 | 5014 | 5016 | 5017 | 5018 | 5045 | 5112 | 5129 | 5130 | 5131 | 5146 | 5203 | 5615 |
| 5799 | 5820 | 5893 | 5894 | 6136 | 6137 | 6141 | 6142 | 6149 | 6283 | 6284 | 6405 | 6477 | 6478 | 6514 |
| 6650 | 6652 | 6657 | 6879 | 6880 | 6881 | 6882 | 6883 | 6884 | 6946 | 6947 | 6948 | 6986 | 7050 | 7067 |
| 7231 | 7232 | 7233 | 7234 | 7235 | 7535 | 7552 | 7553 | 7554 | 7555 | 7556 | 7560 | 7561 | 7562 | 7565 |
| 7567 | 7628 | 7634 | 7701 | 7723 | 7724 | 7725 | 7729 | 7827 | 7956 | 7978 | 7979 | 7980 | 7981 | 7982 |
| 7983 | 7985 | 8015 | 8070 | 8071 | 8072 | 8073 | 8074 | 8170 | 8171 | 8172 | 8173 | 8174 | 8175 | 8176 |
| 8177 | 8178 | 8179 | 8180 | 8222 | 8223 | 8224 | 8225 | 8226 | 8227 | 8228 | 8267 | 8382 | 8512 | 8641 |
| 8766 | 8852 | 9019 | 9114 | 9130 | 9132 | 9204 | 9254 | 9265 | 9381 | 9382 | 9821 | 9822 | 9823 | 9874 |
| 9880 | 9910 | 10145 | 10168 | 10169 | 10221 | 10222 | 10240 | 10319 | 10322 | 10326 | 10458 | 10486 | 10487 | 10533 |
| 10562 | 10563 | 10580 | 10581 | 10582 | 10583 | 10824 | 10886 | 10888 | 10960 | 11030 | 11142 | | | |

Checklists (see also Species lists, state or regional)

2926 4428 6298

Chemicals, toxic

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 15 | 105 | 109 | 111 | 130 | 146 | 156 | 157 | 195 | 196 | 202 | 227 | 317 | 330 | 333 |
| 336 | 340 | 344 | 347 | 348 | 355 | 358 | 388 | 403 | 458 | 468 | 582 | 587 | 595 | 708 |
| 715 | 716 | 950 | 1035 | 1053 | 1098 | 1151 | 1242 | 1259 | 1351 | 1482 | 1485 | 1563 | 1609 | 1612 |
| 1622 | 1632 | 1632 | 1637 | 1637 | 1638 | 1641 | 1642 | 1688 | 1704 | 1712 | 1714 | 1729 | 1758 | 1764 |
| 1765 | 1767 | 1768 | 1896 | 1905 | 1935 | 2078 | 2325 | 2377 | 2491 | 2496 | 2554 | 2555 | 2556 | 2696 |
| 2698 | 2762 | 2763 | 2772 | 2807 | 2957 | 3021 | 3070 | 3137 | 3137 | 3143 | 3144 | 3145 | 3209 | 3219 |
| 3239 | 3283 | 3401 | 3402 | 3403 | 3498 | 3499 | 3532 | 3533 | 3558 | 3604 | 3608 | 3609 | 3727 | 3728 |
| 3729 | 3730 | 3792 | 3812 | 3815 | 3833 | 3887 | 3900 | 3927 | 3928 | 4098 | 4099 | 4155 | 4205 | 4206 |
| 4207 | 4208 | 4459 | 4509 | 4528 | 4531 | 4575 | 4668 | 4755 | 4769 | 4770 | 4792 | 4816 | 4853 | 4854 |
| 4892 | 4903 | 4939 | 5056 | 5091 | 5091 | 5092 | 5136 | 5158 | 5159 | 5160 | 5162 | 5168 | 5169 | 5193 |
| 5194 | 5245 | 5280 | 5357 | 5364 | 5433 | 5714 | 5714 | 5777 | 5780 | 5829 | 5832 | 5833 | 5873 | 5874 |
| 5934 | 5934 | 5936 | 5963 | 5964 | 6034 | 6110 | 6116 | 6145 | 6146 | 6147 | 6151 | 6182 | 6193 | 6195 |
| 6195 | 6200 | 6201 | 6202 | 6211 | 6216 | 6221 | 6223 | 6229 | 6244 | 6300 | 6389 | 6392 | 6440 | 6478 |
| 6479 | 6520 | 6526 | 6536 | 6546 | 6592 | 6599 | 6793 | 6794 | 6898 | 6922 | 6994 | 7068 | 7068 | 7099 |
| 7132 | 7160 | 7161 | 7162 | 7163 | 7165 | 7198 | 7201 | 7213 | 7215 | 7250 | 7264 | 7270 | 7271 | 7271 |
| 7272 | 7273 | 7274 | 7275 | 7364 | 7365 | 7536 | 7631 | 7631 | 7632 | 7632 | 7697 | 7700 | 7741 | 7745 |
| 7759 | 7821 | 7850 | 7870 | 7873 | 7918 | 7983 | 8017 | 8051 | 8135 | 8150 | 8150 | 8206 | 8312 | 8413 |
| 8539 | 8552 | 8593 | 8594 | 8595 | 8619 | 8620 | 8621 | 8622 | 8708 | 8751 | 8756 | 8756 | 8757 | 8819 |
| 8831 | 8838 | 8839 | 8840 | 9042 | 9138 | 9171 | 9189 | 9222 | 9245 | 9574 | 9583 | 9617 | 9620 | 9685 |
| 9759 | 9760 | 9760 | 9761 | 9774 | 9870 | 9891 | 9901 | 9929 | 9929 | 9965 | 10115 | 10152 | 10453 | 10560 |

Chemicals, toxic (cont.)

10568 10592 10593 10640 10640 10641 10798 10804 10827 10891 10927 10935 10948 11161

Cinema (see Art)**Circadian rhythm**

30 38 77 522 527 528 529 530 531 532 539 541 545 547 548
 551 558 560 582 778 779 780 781 782 783 784 785 788 789 869
 902 1026 1256 1299 1338 1546 1608 1619 1650 1731 1930 1933 2073 2075 2349
 2409 2433 2506 2545 2896 2949 2966 3039 3040 3044 3091 3149 3158 3324 3326
 3327 3328 3329 3331 3333 3334 3335 3653 3662 3669 3834 3863 3901 3911 3912
 3913 3917 4036 4244 4878 4879 4888 5016 5017 5051 5241 5269 5371 5565 5569
 5571 5572 5678 5809 5818 5870 5872 6247 6262 6325 6448 6572 6868 6869 6892
 6969 7089 7090 7091 7180 7205 7439 7440 7584 7585 7586 7587 7588 7737 7881
 7941 7980 7981 7986 8060 8082 8084 8305 8306 8307 8388 8528 8533 8560 8561
 8562 8610 8629 8643 9113 9207 9216 9596 9601 9602 9656 9662 9725 9726 9799
 9843 10054 10128 10218 10241 10259 10531 10589

Circulatory system, morphology

45 143 222 236 272 686 816 871 954 955 1067 1174 1226 1295 1378
 1760 2279 2281 2359 2523 3436 4147 4709 4710 4711 4808 4847 4850 4972 5002
 5236 5543 5632 6315 6320 6590 6677 6688 6763 7281 7594 7773 7922 8088 8347
 8612 8820 9408 9948 10184 10237 10399 10405 10457 10541 10662

Circulatory system, physiology

9 12 40 41 57 63 67 68 69 70 71 72 74 75 76
 77 143 258 271 501 578 597 599 606 672 723 744 801 920 950
 955 982 1056 1067 1086 1087 1094 1209 1225 1296 1361 1378 1384 1385 1386
 1461 1467 1482 1513 1518 1520 1521 1522 1556 1557 1608 1609 1650 1652 1670
 1671 1691 1698 1709 1710 1902 1924 1930 1964 1969 2010 2043 2078 2117 2128
 2129 2222 2271 2279 2281 2299 2300 2337 2349 2364 2375 2376 2377 2378 2379
 2380 2381 2382 2383 2384 2385 2386 2388 2410 2411 2439 2440 2483 2523 2524
 2679 2680 2681 2682 2683 2684 2686 2687 2688 2689 2752 2769 2770 2778 2798
 2820 2944 2945 2946 2975 2976 2977 3020 3022 3042 3044 3059 3074 3146 3167
 3171 3226 3299 3314 3372 3377 3378 3464 3480 3538 3620 3621 3623 3624 3713
 3740 3741 3742 3743 3744 3745 3749 3807 3884 3885 3893 3901 3902 3934 4036
 4090 4098 4147 4168 4181 4182 4230 4564 4720 4750 4789 4808 4816 4839 4847
 4850 4888 4972 4990 4991 4992 5002 5004 5005 5006 5007 5015 5046 5050 5068
 5069 5142 5247 5273 5386 5406 5425 5426 5476 5543 5560 5642 5643 5684 5685
 5735 5796 5797 5802 5808 5816 5817 5819 5931 5932 5933 5935 5936 5957 5972
 6025 6026 6027 6052 6091 6235 6238 6315 6316 6328 6331 6338 6356 6358 6360
 6369 6394 6399 6400 6461 6511 6512 6521 6566 6576 6577 6578 6580 6593 6599
 6600 6601 6608 6614 6629 6630 6677 6688 6690 6691 6762 6763 6766 6768 6770
 6773 6863 6988 7090 7108 7153 7258 7281 7419 7540 7588 7606 7680 7681 7733
 7856 7871 7910 7912 7918 7941 7972 8005 8055 8083 8094 8165 8298 8337 8346
 8347 8436 8439 8440 8508 8538 8539 8540 8541 8598 8623 8636 8646 8652 8679
 8685 8689 8725 8726 8791 8795 8863 8864 8865 8866 8867 8868 8949 8951 8957
 8968 8969 8970 9026 9029 9035 9134 9135 9136 9151 9152 9153 9154 9155 9156
 9157 9161 9162 9163 9169 9170 9171 9188 9199 9216 9225 9307 9391 9408 9521
 9567 9660 9778 9779 9781 9782 9783 9817 9818 9819 9948 9988 10048 10049 10050
 10099 10102 10105 10106 10109 10111 10114 10116 10117 10119 10121 10123 10196 10208 10237
 10266 10282 10385 10404 10405 10409 10481 10521 10522 10588 10641 10642 10643 10644 10645
 10666 10725 10767 10768 10850 10905 10906 10907 10915 10916 10917 11190

Collecting (see Harvesting)**Color**

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 203 | 213 | 222 | 223 | 323 | 727 | 869 | 970 | 1031 | 1033 | 1035 | 1036 | 1038 | 1039 | 1040 |
| 1061 | 1210 | 1331 | 1332 | 1333 | 1335 | 1336 | 1337 | 1340 | 1343 | 1452 | 1803 | 1873 | 1894 | 2089 |
| 2259 | 2328 | 2346 | 2347 | 2362 | 2557 | 2668 | 3013 | 3015 | 3016 | 3018 | 3019 | 3020 | 3021 | 3022 |
| 3023 | 3024 | 3025 | 3026 | 3027 | 3028 | 3029 | 3030 | 3032 | 3034 | 3041 | 3042 | 3043 | 3044 | 3045 |
| 3050 | 3052 | 3061 | 3063 | 3064 | 3066 | 3463 | 3581 | 3607 | 3616 | 3920 | 3934 | 4129 | 4135 | 4140 |
| 4377 | 5128 | 5173 | 5175 | 5272 | 5324 | 5497 | 5498 | 5765 | 5944 | 6107 | 6117 | 6271 | 6312 | 6636 |
| 6716 | 6752 | 6913 | 7010 | 7122 | 7123 | 7135 | 7136 | 7137 | 7138 | 7139 | 7219 | 7489 | 7598 | 7637 |
| 7748 | 7848 | 8070 | 8071 | 8089 | 8113 | 8287 | 8312 | 9064 | 9657 | 10165 | 10262 | 10263 | 10289 | 10346 |
| 10582 | 10655 | 10913 | | | | | | | | | | | | |

Commercial uses, miscellaneous (See Economics, aquacultural)**Contamination (see Transportation; see also Bacteria)****Control (see Eradication)****Copepod associations**

| | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|
| 1121 | 1212 | 1749 | 4445 | 4808 | 5347 | 8024 | 8027 | 10296 |
|------|------|------|------|------|------|------|------|-------|

Currents

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 236 | 299 | 304 | 317 | 321 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 |
| 342 | 343 | 344 | 346 | 347 | 348 | 355 | 356 | 358 | 359 | 360 | 361 | 362 | 366 | 367 |
| 368 | 369 | 388 | 389 | 461 | 643 | 644 | 662 | 663 | 687 | 746 | 768 | 772 | 776 | 965 |
| 999 | 1021 | 1026 | 1145 | 1154 | 1159 | 1160 | 1175 | 1181 | 1190 | 1213 | 1370 | 1416 | 1531 | 1532 |
| 1534 | 1832 | 1979 | 1989 | 1993 | 2082 | 2094 | 2103 | 2211 | 2277 | 2491 | 2517 | 3175 | 3211 | 3244 |
| 3263 | 3314 | 3346 | 3398 | 3444 | 3854 | 4351 | 4367 | 4373 | 4374 | 4376 | 4381 | 4394 | 4401 | 4416 |
| 4428 | 4432 | 4445 | 4446 | 4447 | 4457 | 4464 | 4467 | 4479 | 4483 | 4508 | 4514 | 4516 | 4518 | 4570 |
| 5073 | 5135 | 5292 | 5354 | 5433 | 5576 | 5798 | 5855 | 6177 | 6221 | 6442 | 6445 | 6509 | 6603 | 6676 |
| 6677 | 6679 | 6794 | 6963 | 7624 | 7628 | 7759 | 7771 | 7772 | 7878 | 8017 | 8027 | 8090 | 8199 | 8211 |
| 8708 | 8755 | 8851 | 9315 | 9659 | 9836 | 10544 | 10640 | 10640 | 10676 | 10772 | 10773 | 10774 | 10775 | 10813 |

| | |
|-------|-------|
| 10860 | 10996 |
|-------|-------|

Cytochemistry (see Histochemistry)**Cytology (see Histology)****Deformities (see Skeletal system, morphology)****Descriptions**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 112 | 113 | 211 | 222 | 247 | 310 | 441 | 605 | 606 | 607 | 635 | 638 | 687 | 689 | 699 |
| 701 | 702 | 705 | 724 | 807 | 830 | 877 | 878 | 885 | 887 | 923 | 1025 | 1027 | 1028 | 1029 |
| 1069 | 1110 | 1133 | 1136 | 1139 | 1140 | 1141 | 1142 | 1146 | 1150 | 1153 | 1154 | 1155 | 1160 | 1161 |
| 1165 | 1175 | 1211 | 1265 | 1285 | 1296 | 1358 | 1366 | 1405 | 1419 | 1426 | 1430 | 1431 | 1432 | 1433 |
| 1472 | 1549 | 1843 | 1884 | 1887 | 1889 | 1890 | 1916 | 1918 | 1993 | 1994 | 1998 | 1999 | 2002 | 2006 |
| 2018 | 2081 | 2083 | 2087 | 2094 | 2098 | 2099 | 2117 | 2137 | 2144 | 2152 | 2153 | 2155 | 2157 | 2165 |
| 2167 | 2168 | 2193 | 2230 | 2232 | 2272 | 2273 | 2364 | 2389 | 2395 | 2418 | 2439 | 2440 | 2449 | 2450 |
| 2451 | 2454 | 2455 | 2478 | 2579 | 2664 | 2670 | 2811 | 2820 | 2821 | 2822 | 2823 | 2830 | 2843 | 2852 |
| 2878 | 2879 | 2881 | 2882 | 2915 | 2917 | 2920 | 2921 | 2924 | 2926 | 2941 | 3079 | 3096 | 3103 | 3107 |
| 3108 | 3109 | 3110 | 3111 | 3112 | 3113 | 3114 | 3115 | 3116 | 3118 | 3120 | 3121 | 3122 | 3123 | 3124 |
| 3131 | 3132 | 3133 | 3141 | 3201 | 3224 | 3242 | 3265 | 3374 | 3420 | 3421 | 3438 | 3439 | 3449 | 3484 |
| 3495 | 3544 | 3548 | 3590 | 3621 | 3713 | 3732 | 3734 | 3789 | 3809 | 3810 | 3881 | 3882 | 3952 | 3953 |
| 3973 | 4009 | 4101 | 4102 | 4105 | 4107 | 4108 | 4109 | 4110 | 4115 | 4116 | 4131 | 4140 | 4176 | 4177 |
| 4178 | 4179 | 4180 | 4224 | 4233 | 4246 | 4295 | 4343 | 4344 | 4345 | 4346 | 4347 | 4348 | 4349 | 4350 |

Descriptions (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4353 | 4354 | 4356 | 4357 | 4359 | 4361 | 4362 | 4363 | 4364 | 4365 | 4367 | 4370 | 4371 | 4372 | 4373 |
| 4375 | 4376 | 4377 | 4379 | 4380 | 4381 | 4383 | 4384 | 4388 | 4392 | 4393 | 4394 | 4396 | 4397 | 4398 |
| 4399 | 4401 | 4402 | 4404 | 4405 | 4406 | 4407 | 4408 | 4409 | 4410 | 4411 | 4412 | 4413 | 4414 | 4415 |
| 4416 | 4417 | 4418 | 4419 | 4420 | 4421 | 4423 | 4425 | 4426 | 4429 | 4430 | 4432 | 4433 | 4434 | 4435 |
| 4436 | 4437 | 4438 | 4439 | 4441 | 4443 | 4445 | 4446 | 4447 | 4448 | 4449 | 4450 | 4451 | 4452 | 4453 |
| 4455 | 4456 | 4457 | 4458 | 4461 | 4464 | 4466 | 4467 | 4468 | 4469 | 4470 | 4472 | 4474 | 4477 | 4478 |
| 4480 | 4482 | 4483 | 4484 | 4485 | 4487 | 4492 | 4503 | 4504 | 4506 | 4509 | 4518 | 4521 | 4533 | 4583 |
| 4629 | 4630 | 4638 | 4639 | 4645 | 4646 | 4653 | 4834 | 4842 | 4846 | 4848 | 4852 | 4970 | 5024 | 5043 |
| 5068 | 5069 | 5138 | 5170 | 5207 | 5208 | 5337 | 5339 | 5340 | 5345 | 5359 | 5382 | 5450 | 5451 | 5540 |
| 5543 | 5836 | 5837 | 5839 | 5840 | 5842 | 5843 | 5848 | 5868 | 5877 | 5879 | 5880 | 5891 | 5931 | 5932 |
| 5933 | 5944 | 5945 | 6056 | 6057 | 6058 | 6060 | 6062 | 6064 | 6065 | 6067 | 6069 | 6070 | 6111 | 6112 |
| 6130 | 6137 | 6150 | 6221 | 6393 | 6402 | 6556 | 6557 | 6591 | 6634 | 6662 | 6698 | 6745 | 6756 | 6784 |
| 6926 | 6928 | 7204 | 7211 | 7247 | 7265 | 7482 | 7484 | 7486 | 7490 | 7491 | 7494 | 7581 | 7624 | 7680 |
| 7709 | 7743 | 7744 | 7746 | 7749 | 7750 | 7751 | 7752 | 7753 | 7754 | 7755 | 7757 | 7758 | 7759 | 7761 |
| 7762 | 7765 | 7766 | 7771 | 7772 | 7827 | 7839 | 7859 | 7877 | 7914 | 7922 | 7955 | 7969 | 7993 | 8026 |
| 8028 | 8029 | 8054 | 8055 | 8056 | 8088 | 8102 | 8183 | 8208 | 8209 | 8212 | 8214 | 8228 | 8266 | 8267 |
| 8271 | 8272 | 8280 | 8284 | 8289 | 8292 | 8293 | 8336 | 8349 | 8350 | 8351 | 8352 | 8353 | 8354 | 8355 |
| 8356 | 8500 | 8607 | 8639 | 8749 | 8750 | 8861 | 8967 | 9025 | 9046 | 9106 | 9107 | 9110 | 9114 | 9195 |
| 9196 | 9239 | 9335 | 9349 | 9350 | 9354 | 9462 | 9463 | 9464 | 9465 | 9482 | 9490 | 9526 | 9572 | 9573 |
| 9589 | 9590 | 9591 | 9659 | 9823 | 9842 | 9869 | 9882 | 9883 | 10028 | 10039 | 10124 | 10305 | 10312 | 10313 |
| 10317 | 10321 | 10324 | 10327 | 10365 | 10386 | 10387 | 10388 | 10390 | 10449 | 10457 | 10461 | 10535 | 10536 | 10540 |
| 10646 | 10648 | 10649 | 10651 | 10652 | 10772 | 10773 | 10775 | 10812 | 10813 | 10815 | 10924 | 10996 | 10997 | 11023 |
| 11187 | 11191 | | | | | | | | | | | | | |

Diet (see Food of)

Digestive system, morphology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 150 | 222 | 272 | 281 | 403 | 495 | 821 | 871 | 918 | 919 | 1075 | 1148 | 1153 | 1226 | 1676 |
| 1725 | 1736 | 1954 | 2093 | 2268 | 2314 | 2531 | 2534 | 2893 | 3244 | 3284 | 3285 | 3706 | 4023 | 4312 |
| 4314 | 4315 | 4316 | 4317 | 4318 | 4808 | 4845 | 4847 | 4850 | 4946 | 5070 | 5122 | 5124 | 5125 | 5219 |
| 5494 | 5543 | 5948 | 6120 | 6121 | 6124 | 6233 | 6303 | 6317 | 6485 | 6590 | 6677 | 6844 | 6876 | 7383 |
| 7461 | 7594 | 7633 | 7641 | 7683 | 7773 | 7922 | 8065 | 8088 | 8104 | 8285 | 8312 | 8362 | 8461 | 9047 |
| 9048 | 9144 | 9567 | 9969 | 9974 | 10057 | 10300 | 10301 | 10443 | 10540 | 10541 | 10551 | 10662 | | |

Digestive system, physiology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15 | 57 | 68 | 69 | 70 | 75 | 76 | 108 | 201 | 495 | 563 | 564 | 568 | 950 | 982 |
| 1074 | 1075 | 1222 | 1440 | 1497 | 1622 | 1676 | 1694 | 1727 | 1736 | 1737 | 1750 | 1902 | 1954 | 2268 |
| 2270 | 2313 | 2364 | 2437 | 2438 | 2448 | 2470 | 2471 | 2472 | 2473 | 2493 | 2531 | 2534 | 2584 | 2680 |
| 2685 | 2686 | 2706 | 2777 | 2897 | 3037 | 3160 | 3226 | 3284 | 3475 | 3482 | 3543 | 3658 | 3712 | 3938 |
| 3940 | 3984 | 4019 | 4311 | 4312 | 4313 | 4314 | 4316 | 4317 | 4318 | 4789 | 4808 | 4816 | 4838 | 4847 |
| 4850 | 4945 | 4946 | 4972 | 5070 | 5097 | 5121 | 5122 | 5123 | 5124 | 5125 | 5127 | 5219 | 5255 | 5345 |
| 5369 | 5411 | 5412 | 5413 | 5505 | 5543 | 5601 | 5637 | 5638 | 5639 | 5669 | 5757 | 5777 | 5953 | 5954 |
| 5973 | 6036 | 6051 | 6120 | 6121 | 6124 | 6169 | 6234 | 6257 | 6258 | 6262 | 6263 | 6264 | 6317 | 6337 |
| 6393 | 6485 | 6534 | 6566 | 6608 | 6614 | 6616 | 6617 | 6618 | 6677 | 6689 | 6690 | 6692 | 6738 | 6739 |
| 6740 | 6741 | 6778 | 6793 | 6814 | 6815 | 6843 | 6844 | 6845 | 6852 | 6853 | 6863 | 7032 | 7057 | 7088 |
| 7091 | 7093 | 7153 | 7177 | 7337 | 7383 | 7387 | 7405 | 7797 | 7854 | 7871 | 7951 | 7988 | 8060 | 8065 |
| 8115 | 8285 | 8533 | 8571 | 8652 | 8713 | 8714 | 8765 | 8788 | 8795 | 8796 | 9205 | 9262 | 9579 | 9664 |
| 9760 | 9825 | 9843 | 9904 | 9916 | 9973 | 10008 | 10011 | 10192 | 10204 | 10206 | 10300 | 10379 | 10380 | 10381 |
| 10382 | 10383 | 10443 | 10498 | 10521 | 10522 | 10551 | 10890 | 10946 | 10982 | 10983 | 10984 | 10985 | 10986 | 10999 |
| 11002 | 11003 | 11004 | 11146 | 11187 | 11188 | 11190 | 11191 | | | | | | | |

Diseases, miscellaneous (see Associations, miscellaneous)

Distribution, Africa

4781 5251 6181 7638

Distribution, Asia

42 89 148 173 214 302 309 573 731 736 741 857 858 859 862
 863 991 992 995 1102 1116 1135 1285 1286 1288 1290 1296 1506 1784 1785
 1788 1793 1831 2390 2427 2443 2525 2692 2830 2887 3096 3430 3439 3448 3449
 3488 3795 3825 3941 4212 4643 4648 4658 4792 4808 4839 4847 4850 4886 4915
 5186 5187 5216 5223 5224 5225 5251 5335 5336 5337 5338 5339 5341 5358 5359
 5360 5441 5443 5446 5507 5510 5520 5659 6278 6321 6327 6347 6348 6382 6395
 6396 6397 6643 6811 6959 6960 6973 6977 7193 7394 7395 7477 7596 7774 7819
 8011 8128 8522 8524 8672 8675 8851 9201 9202 9203 10045 10134 10155 10322 10326
 10332 10374 10376 10391 10394 10395 10396 10397 10418 10455 10996 11000 11011 11148 11150
 11194

Distribution, Australasia

214 294 315 328 377 403 422 441 525 720 732 980 1120 1306 1307
 1308 1550 1552 1631 1742 1844 1845 1846 1885 1888 2027 2028 2396 2424 2767
 2987 2988 3210 3314 3583 3584 3677 3734 3877 3878 4041 4053 4172 4263 4667
 4781 4792 4839 4842 4843 4847 4850 4948 5093 5251 5743 5746 5747 5749 5949
 6514 6549 6550 6551 6552 6553 6610 6743 6775 6911 6928 6996 7002 7004 7009
 7279 7420 7477 7479 7489 8318 8319 8331 8348 8351 8352 8501 8502 8503 8504
 8505 8828 8943 8945 9104 9105 9106 9220 9221 9396 9628 9786 9875 9883 9884
 10039 10322 10326 10377 10386 10387 10567 10603 10648 10649 10654 10663 10784 10803 10804
 10805 10806 10930 10960 10961 11140

Distribution, Canada

99 214 741 808 904 943 1145 1190 2018 2029 2082 2102 2103 2255 2756
 2917 3127 3407 3408 4466 4834 4847 4850 5135 5173 6148 6509 6573 6911 7204
 7481 7489 7701 8148 8149 8290 9909

Distribution, Central America

214 741 1102 1572 1669 2082 2094 2917 2925 3126 3127 3835 4435 4440 4442
 4781 4792 4808 4847 4850 6761 7481 7486 7701 7711 7774 8382 8384 8740 9116
 10148 10322 10326 10996

Distribution, Cuba (see Distribution, Central America)**Distribution, Europe**

32 36 37 48 63 84 120 122 124 138 153 154 163 172 211
 216 219 222 224 259 289 301 306 308 310 311 319 377 381 382
 384 415 417 418 419 433 438 447 453 454 464 465 475 488 570
 571 572 576 577 582 585 586 590 603 634 688 733 734 735 739
 805 881 896 926 934 935 962 981 985 1055 1063 1065 1069 1076 1083
 1091 1102 1106 1118 1119 1136 1137 1247 1266 1267 1268 1278 1285 1286 1288
 1296 1302 1305 1322 1349 1403 1425 1426 1427 1452 1462 1463 1464 1475 1507
 1537 1542 1547 1550 1552 1573 1596 1602 1603 1618 1623 1624 1646 1658 1659
 1748 1757 1865 1868 1893 1897 1904 2024 2027 2126 2162 2168 2229 2231 2251
 2252 2253 2257 2284 2296 2303 2339 2341 2358 2395 2405 2408 2419 2420 2421
 2427 2428 2436 2469 2475 2480 2520 2521 2547 2573 2574 2575 2586 2645 2646
 2647 2653 2654 2760 2765 2805 2812 2813 2814 2815 2819 2876 2880 2892 2917
 2974 2989 3079 3087 3151 3221 3222 3289 3290 3312 3318 3319 3373 3374 3409
 3410 3416 3440 3441 3443 3444 3448 3449 3450 3451 3453 3455 3472 3487 3495
 3496 3497 3557 3587 3590 3592 3598 3649 3675 3772 3786 3787 3794 3803 3804

Distribution, Europe (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3827 | 3841 | 3850 | 3903 | 3914 | 3918 | 4030 | 4148 | 4149 | 4152 | 4153 | 4154 | 4169 | 4170 | 4171 |
| 4173 | 4183 | 4212 | 4224 | 4228 | 4242 | 4243 | 4264 | 4265 | 4271 | 4339 | 4550 | 4551 | 4566 | 4568 |
| 4576 | 4577 | 4578 | 4632 | 4634 | 4636 | 4643 | 4657 | 4660 | 4661 | 4663 | 4687 | 4688 | 4697 | 4719 |
| 4758 | 4759 | 4760 | 4764 | 4781 | 4808 | 4850 | 4858 | 4876 | 4879 | 4880 | 4884 | 4938 | 4949 | 4952 |
| 4956 | 4979 | 4997 | 4999 | 5020 | 5034 | 5047 | 5113 | 5140 | 5141 | 5144 | 5146 | 5151 | 5205 | 5206 |
| 5211 | 5217 | 5218 | 5259 | 5289 | 5291 | 5335 | 5348 | 5432 | 5448 | 5449 | 5481 | 5507 | 5529 | 5533 |
| 5538 | 5540 | 5541 | 5544 | 5550 | 5574 | 5653 | 5654 | 5655 | 5656 | 5674 | 5675 | 5682 | 5702 | 5709 |
| 5722 | 5761 | 5789 | 5828 | 5838 | 5840 | 5842 | 5843 | 5849 | 5855 | 5876 | 5878 | 5898 | 5901 | 5904 |
| 5905 | 5907 | 5967 | 5988 | 5993 | 6021 | 6056 | 6061 | 6064 | 6068 | 6113 | 6118 | 6139 | 6140 | 6143 |
| 6165 | 6178 | 6183 | 6187 | 6192 | 6198 | 6204 | 6205 | 6212 | 6213 | 6237 | 6239 | 6241 | 6260 | 6272 |
| 6273 | 6274 | 6275 | 6276 | 6277 | 6282 | 6298 | 6299 | 6326 | 6333 | 6376 | 6379 | 6383 | 6384 | 6401 |
| 6406 | 6422 | 6423 | 6425 | 6470 | 6471 | 6483 | 6508 | 6641 | 6644 | 6764 | 6781 | 6782 | 6783 | 6800 |
| 6801 | 6814 | 6911 | 6945 | 6963 | 6972 | 7050 | 7054 | 7058 | 7105 | 7169 | 7216 | 7248 | 7266 | 7300 |
| 7301 | 7305 | 7306 | 7333 | 7349 | 7361 | 7378 | 7384 | 7409 | 7410 | 7436 | 7477 | 7522 | 7533 | 7603 |
| 7619 | 7620 | 7621 | 7692 | 7774 | 7777 | 7778 | 7801 | 7803 | 7816 | 7817 | 7818 | 7819 | 7820 | 7846 |
| 7872 | 7888 | 7894 | 7898 | 7920 | 7947 | 7948 | 7949 | 7950 | 7961 | 7962 | 7977 | 7991 | 8012 | 8014 |
| 8033 | 8064 | 8068 | 8069 | 8142 | 8182 | 8185 | 8192 | 8197 | 8229 | 8230 | 8261 | 8314 | 8386 | 8387 |
| 8438 | 8449 | 8464 | 8469 | 8470 | 8497 | 8544 | 8555 | 8607 | 8627 | 8642 | 8653 | 8654 | 8655 | 8661 |
| 8665 | 8670 | 8672 | 8678 | 8695 | 8697 | 8732 | 8734 | 8739 | 8760 | 8764 | 8809 | 8826 | 8834 | 8841 |
| 9004 | 9012 | 9014 | 9032 | 9033 | 9036 | 9057 | 9068 | 9112 | 9122 | 9123 | 9124 | 9125 | 9126 | 9127 |
| 9142 | 9150 | 9241 | 9254 | 9259 | 9305 | 9308 | 9330 | 9336 | 9337 | 9338 | 9339 | 9340 | 9341 | 9342 |
| 9343 | 9344 | 9345 | 9346 | 9347 | 9348 | 9351 | 9357 | 9358 | 9378 | 9383 | 9384 | 9393 | 9417 | 9422 |
| 9478 | 9479 | 9497 | 9519 | 9575 | 9613 | 9650 | 9767 | 9768 | 9852 | 9853 | 9854 | 9869 | 9871 | 9875 |
| 9876 | 9879 | 9885 | 9915 | 9935 | 9936 | 9975 | 10039 | 10136 | 10137 | 10140 | 10149 | 10150 | 10151 | 10153 |
| 10154 | 10159 | 10161 | 10162 | 10171 | 10172 | 10183 | 10190 | 10228 | 10229 | 10248 | 10249 | 10250 | 10252 | 10254 |
| 10255 | 10256 | 10322 | 10326 | 10357 | 10365 | 10374 | 10375 | 10402 | 10403 | 10419 | 10420 | 10422 | 10423 | 10425 |
| 10537 | 10538 | 10549 | 10550 | 10552 | 10561 | 10603 | 10605 | 10614 | 10618 | 10632 | 10672 | 10746 | 10756 | 10769 |
| 10861 | 10879 | 10892 | 10904 | 10913 | 10939 | 10951 | 11012 | 11032 | 11033 | 11105 | 11135 | 11136 | 11143 | |

Distribution, Madagascar

635 951 2583 3717 3734 3763 3811 5262 6157 6926 6927 7802 7840 8010

Distribution, Mexico (see Distribution, Central America)**Distribution, New Guinea (see Distribution, Australasian)****Distribution, New Zealand (see Distribution, Australasian)****Distribution, Pacific islands**

10454

Distribution, South America

214 741 1848 2520 2522 3438 4792 4847 4850 6366 6787 6962 7247 7477 7489
7858 7921 7965 7966 7967 7968 8119 8367 8384 10322 10326 10378

Distribution, U.S., Far western

37 99 214 242 362 741 852 1102 1154 1155 1268 1915 2277 2756 2806
2849 3127 3151 3255 4440 4781 4792 4808 4839 4847 4850 5362 5368 6685 6911
7701 7774 7775 7776 8123 8335 9241 9466 9613 9784 10322 10326 10567 10632 10775
10797 10996

Distribution, U.S., Midwestern

99 214 242 450 741 746 771 878 1102 1107 1108 1109 1145 1154 1155
1188 1190 1357 1433 1504 1582 1583 1591 1720 2066 2082 2086 2094 2102 2335
2546 2808 2811 2851 2917 2922 3127 3173 3207 3421 3638 3707 4010 4101 4102

Distribution, U.S., Midwestern (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| 4130 | 4366 | 4415 | 4440 | 4442 | 4508 | 4516 | 4792 | 4808 | 4847 | 4850 | 5038 | 5041 | 5044 | 5077 |
| 5098 | 5109 | 5299 | 5612 | 5613 | 5941 | 6074 | 6282 | 6798 | 6911 | 7311 | 7470 | 7481 | 7489 | 7494 |
| 7516 | 7582 | 7583 | 7701 | 7709 | 7710 | 7712 | 7738 | 7774 | 7776 | 7864 | 7865 | 7869 | 8203 | 8273 |
| 8279 | 8282 | 8284 | 8287 | 8289 | 8291 | 8292 | 8294 | 8963 | 9100 | 9896 | 10670 | 10775 | 10815 | |

Distribution, U.S., Northeastern

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| 96 | 99 | 214 | 242 | 292 | 741 | 878 | 924 | 1102 | 1145 | 1155 | 1550 | 2098 | 2102 | 2255 |
| 2335 | 2389 | 2917 | 3127 | 3242 | 4415 | 4440 | 4442 | 4466 | 6073 | 6911 | 7286 | 7481 | 7483 | 7488 |
| 7489 | 7492 | 7688 | 7774 | 7776 | 7877 | 7878 | 8123 | 8203 | 8284 | 9099 | 9881 | 10775 | 10812 | |

Distribution, U.S., Southeastern

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 99 | 214 | 362 | 390 | 741 | 746 | 770 | 771 | 772 | 775 | 878 | 1036 | 1048 | 1102 | 1140 |
| 1142 | 1145 | 1154 | 1155 | 1156 | 1184 | 1190 | 1213 | 1465 | 1479 | 1550 | 1621 | 1719 | 1720 | 1721 |
| 1976 | 1988 | 1993 | 2082 | 2094 | 2102 | 2214 | 2335 | 2389 | 2487 | 2917 | 3119 | 3126 | 3127 | 3435 |
| 3444 | 3518 | 3638 | 3685 | 3708 | 3957 | 4009 | 4010 | 4347 | 4351 | 4356 | 4366 | 4378 | 4415 | 4438 |
| 4440 | 4442 | 4466 | 4476 | 4478 | 4485 | 4536 | 4576 | 4696 | 4703 | 4728 | 4781 | 4792 | 4808 | 4839 |
| 4847 | 4850 | 5139 | 5187 | 5251 | 5649 | 5868 | 5891 | 5942 | 6136 | 6137 | 6221 | 6222 | 6516 | 6517 |
| 6518 | 6632 | 6676 | 6677 | 6680 | 6681 | 6874 | 6911 | 6955 | 7204 | 7218 | 7363 | 7377 | 7481 | 7485 |
| 7489 | 7492 | 7494 | 7583 | 7701 | 7705 | 7718 | 7738 | 7740 | 7743 | 7745 | 7746 | 7749 | 7751 | 7753 |
| 7757 | 7758 | 7762 | 7766 | 7769 | 7772 | 7774 | 7776 | 7870 | 7878 | 8017 | 8071 | 8123 | 8203 | 8284 |
| 8423 | 8474 | 8475 | 8564 | 8945 | 9109 | 9246 | 9315 | 9762 | 9855 | 9858 | 9875 | 10451 | 10452 | 10640 |
| 10773 | 10774 | 10775 | 10953 | 10996 | | | | | | | | | | |

Distribution, U.S., Southwestern

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| 99 | 111 | 112 | 113 | 214 | 362 | 741 | 853 | 1102 | 1154 | 1155 | 1156 | 1720 | 1721 | 1917 |
| 2082 | 2094 | 2214 | 2335 | 2811 | 2848 | 2917 | 3126 | 3127 | 3150 | 3967 | 3972 | 4124 | 4415 | 4440 |
| 4442 | 4792 | 4808 | 4847 | 4850 | 6133 | 6282 | 6516 | 6517 | 6518 | 6697 | 6761 | 6878 | 6911 | 7481 |
| 7489 | 7645 | 7701 | 7771 | 7774 | 7776 | 8203 | 8587 | 10773 | 10774 | 10775 | | | | |

Diurnal rhythm (see Circadian rhythm)**D.O. (see Oxygen, dissolved)****Ecology, general**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19 | 20 | 21 | 28 | 31 | 35 | 59 | 99 | 102 | 103 | 109 | 111 | 111 | 317 | 329 |
| 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 340 | 342 | 343 | 344 | 347 | 348 |
| 349 | 350 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 366 | 367 | 368 | 369 | 388 | 389 |
| 458 | 468 | 485 | 559 | 574 | 637 | 641 | 663 | 670 | 687 | 708 | 717 | 738 | 746 | 768 |
| 771 | 773 | 847 | 870 | 891 | 948 | 952 | 1035 | 1095 | 1138 | 1144 | 1149 | 1180 | 1181 | 1190 |
| 1194 | 1202 | 1207 | 1239 | 1259 | 1280 | 1287 | 1447 | 1449 | 1493 | 1531 | 1544 | 1571 | 1591 | 1637 |
| 1641 | 1646 | 1662 | 1685 | 1687 | 1703 | 1704 | 1719 | 1720 | 1790 | 1797 | 1932 | 1941 | 2024 | 2094 |
| 2146 | 2148 | 2158 | 2159 | 2166 | 2171 | 2189 | 2192 | 2209 | 2255 | 2257 | 2277 | 2308 | 2335 | 2376 |
| 2397 | 2400 | 2466 | 2487 | 2510 | 2529 | 2698 | 2740 | 2764 | 2808 | 2906 | 3147 | 3170 | 3182 | 3211 |
| 3237 | 3238 | 3259 | 3314 | 3390 | 3398 | 3409 | 3423 | 3437 | 3472 | 3499 | 3604 | 3606 | 3619 | 3833 |
| 3835 | 3854 | 3856 | 3917 | 3927 | 3996 | 3999 | 4136 | 4167 | 4277 | 4295 | 4347 | 4445 | 4459 | 4492 |
| 4514 | 4535 | 4543 | 4570 | 4571 | 4756 | 4761 | 4785 | 4804 | 4813 | 4823 | 4827 | 4857 | 4994 | 4996 |
| 5016 | 5023 | 5025 | 5073 | 5080 | 5107 | 5160 | 5167 | 5194 | 5292 | 5324 | 5500 | 5649 | 5700 | 5715 |
| 5822 | 5833 | 5854 | 5863 | 5871 | 5873 | 5874 | 5894 | 5964 | 6110 | 6177 | 6221 | 6229 | 6238 | 6244 |
| 6260 | 6300 | 6329 | 6330 | 6364 | 6446 | 6478 | 6479 | 6503 | 6775 | 6800 | 6804 | 6805 | 6867 | 6891 |
| 6892 | 6894 | 6896 | 6902 | 6906 | 6978 | 6992 | 6994 | 7004 | 7047 | 7077 | 7158 | 7214 | 7215 | 7220 |
| 7250 | 7381 | 7382 | 7582 | 7627 | 7665 | 7697 | 7700 | 7745 | 7759 | 7771 | 7772 | 7804 | 7850 | 7864 |
| 7887 | 7978 | 8005 | 8025 | 8092 | 8148 | 8149 | 8150 | 8182 | 8207 | 8287 | 8292 | 8320 | 8323 | 8329 |
| 8359 | 8413 | 8435 | 8560 | 8621 | 8677 | 8761 | 8784 | 8817 | 8851 | 8875 | 8880 | 8969 | 8970 | 9008 |
| 9009 | 9060 | 9111 | 9139 | 9359 | 9386 | 9391 | 9468 | 9583 | 9589 | 9658 | 9659 | 9836 | 9858 | 9874 |

Ecology, general (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9877 | 9929 | 9934 | 10187 | 10188 | 10219 | 10221 | 10226 | 10273 | 10280 | 10284 | 10330 | 10331 | 10336 | 10439 |
| 10562 | 10615 | 10616 | 10618 | 10640 | 10753 | 10782 | 10806 | 10860 | 10892 | 10918 | 10923 | 10996 | 11145 | 11162 |

Economics, aquacultural

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 25 | 29 | 35 | 111 | 162 | 173 | 222 | 225 | 243 | 244 | 291 | 299 | 304 | 316 |
| 317 | 339 | 345 | 351 | 352 | 362 | 364 | 371 | 372 | 374 | 377 | 382 | 383 | 386 | 395 |
| 396 | 404 | 405 | 406 | 407 | 411 | 420 | 430 | 431 | 435 | 436 | 441 | 448 | 451 | 457 |
| 469 | 476 | 477 | 483 | 575 | 579 | 582 | 592 | 594 | 641 | 644 | 648 | 649 | 655 | 659 |
| 660 | 662 | 666 | 667 | 669 | 716 | 747 | 757 | 793 | 794 | 864 | 905 | 922 | 1034 | 1048 |
| 1049 | 1098 | 1102 | 1214 | 1233 | 1235 | 1243 | 1266 | 1268 | 1281 | 1285 | 1287 | 1289 | 1294 | 1295 |
| 1303 | 1311 | 1313 | 1314 | 1360 | 1497 | 1512 | 1577 | 1578 | 1627 | 1628 | 1632 | 1637 | 1641 | 1647 |
| 1681 | 1691 | 1692 | 1693 | 1772 | 1773 | 1774 | 1775 | 1776 | 1794 | 1833 | 1834 | 1835 | 1837 | 1839 |
| 1882 | 1903 | 1908 | 1910 | 1913 | 1948 | 1949 | 1961 | 2007 | 2045 | 2060 | 2061 | 2097 | 2114 | 2130 |
| 2134 | 2135 | 2139 | 2140 | 2141 | 2161 | 2182 | 2183 | 2190 | 2195 | 2203 | 2226 | 2246 | 2267 | 2283 |
| 2311 | 2327 | 2342 | 2344 | 2398 | 2400 | 2402 | 2404 | 2433 | 2461 | 2467 | 2513 | 2514 | 2656 | 2657 |
| 2658 | 2726 | 2727 | 2750 | 2790 | 2799 | 2801 | 2811 | 2819 | 2833 | 2834 | 2913 | 2980 | 2986 | 3073 |
| 3142 | 3147 | 3169 | 3200 | 3223 | 3225 | 3254 | 3270 | 3314 | 3338 | 3411 | 3426 | 3427 | 3428 | 3429 |
| 3433 | 3454 | 3463 | 3499 | 3550 | 3551 | 3604 | 3605 | 3619 | 3630 | 3646 | 3647 | 3685 | 3688 | 3717 |
| 3732 | 3737 | 3738 | 3752 | 3755 | 3756 | 3757 | 3761 | 3771 | 3788 | 3808 | 3832 | 3841 | 3848 | 3850 |
| 3851 | 3852 | 3996 | 4015 | 4144 | 4150 | 4205 | 4251 | 4272 | 4284 | 4288 | 4304 | 4554 | 4662 | 4670 |
| 4695 | 4743 | 4744 | 4745 | 4746 | 4747 | 4748 | 4759 | 4769 | 4774 | 4776 | 4781 | 4782 | 4784 | 4788 |
| 4789 | 4796 | 4797 | 4802 | 4803 | 4804 | 4807 | 4808 | 4812 | 4813 | 4818 | 4825 | 4854 | 4857 | 4914 |
| 4951 | 4963 | 4971 | 4989 | 4994 | 4998 | 5035 | 5059 | 5063 | 5074 | 5078 | 5081 | 5083 | 5102 | 5104 |
| 5109 | 5145 | 5148 | 5169 | 5204 | 5212 | 5246 | 5250 | 5251 | 5253 | 5327 | 5369 | 5392 | 5433 | 5499 |
| 5518 | 5519 | 5521 | 5522 | 5523 | 5524 | 5525 | 5526 | 5527 | 5528 | 5530 | 5534 | 5536 | 5541 | 5543 |
| 5544 | 5547 | 5688 | 5690 | 5710 | 5711 | 5713 | 5721 | 5745 | 5759 | 5849 | 5887 | 5907 | 5917 | 5978 |
| 6013 | 6014 | 6033 | 6085 | 6086 | 6158 | 6159 | 6160 | 6161 | 6163 | 6164 | 6181 | 6204 | 6205 | 6217 |
| 6221 | 6222 | 6264 | 6268 | 6348 | 6350 | 6378 | 6418 | 6547 | 6562 | 6588 | 6612 | 6648 | 6676 | 6677 |
| 6678 | 6714 | 6715 | 6716 | 6717 | 6718 | 6719 | 6720 | 6721 | 6722 | 6725 | 6736 | 6748 | 6750 | 6758 |
| 6788 | 6810 | 6832 | 6889 | 6901 | 6902 | 6903 | 6904 | 6905 | 6907 | 6908 | 6912 | 6917 | 6918 | 6997 |
| 6999 | 7009 | 7010 | 7017 | 7040 | 7054 | 7174 | 7188 | 7192 | 7206 | 7225 | 7226 | 7227 | 7228 | 7229 |
| 7246 | 7283 | 7284 | 7285 | 7286 | 7287 | 7289 | 7290 | 7359 | 7363 | 7430 | 7431 | 7495 | 7496 | 7511 |
| 7512 | 7592 | 7594 | 7622 | 7665 | 7698 | 7709 | 7773 | 7796 | 7800 | 7804 | 7805 | 7806 | 7807 | 7838 |
| 7845 | 7847 | 7878 | 7900 | 7922 | 7952 | 7989 | 7990 | 8046 | 8067 | 8087 | 8097 | 8124 | 8125 | 8145 |
| 8236 | 8274 | 8292 | 8300 | 8303 | 8313 | 8315 | 8324 | 8389 | 8406 | 8445 | 8450 | 8452 | 8454 | 8458 |
| 8481 | 8506 | 8519 | 8520 | 8523 | 8536 | 8537 | 8543 | 8587 | 8601 | 8623 | 8633 | 8668 | 8698 | 8705 |
| 8706 | 8712 | 8752 | 8831 | 8833 | 8835 | 8836 | 8837 | 8838 | 8839 | 8840 | 8849 | 8850 | 8871 | 8888 |
| 8897 | 8943 | 8972 | 8973 | 8974 | 8992 | 8993 | 9106 | 9138 | 9164 | 9237 | 9244 | 9356 | 9444 | 9480 |
| 9535 | 9536 | 9554 | 9579 | 9611 | 9613 | 9649 | 9739 | 9740 | 9757 | 9831 | 9835 | 9838 | 9857 | 9896 |
| 9897 | 9898 | 9900 | 9902 | 9917 | 9952 | 9982 | 9983 | 10041 | 10130 | 10160 | 10251 | 10267 | 10304 | 10341 |
| 10342 | 10352 | 10430 | 10438 | 10441 | 10442 | 10444 | 10457 | 10467 | 10492 | 10547 | 10577 | 10578 | 10584 | 10597 |
| 10598 | 10599 | 10619 | 10631 | 10656 | 10667 | 10759 | 10783 | 10860 | 10941 | 10957 | 11033 | 11145 | 11157 | |

Electron microscopy

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 8 | 12 | 152 | 171 | 198 | 229 | 230 | 231 | 232 | 233 | 623 | 624 | 627 | 630 | 686 |
| 730 | 831 | 833 | 867 | 916 | 919 | 971 | 989 | 990 | 1013 | 1257 | 1260 | 1440 | 1442 | 1484 |
| 1599 | 1661 | 1779 | 1811 | 1821 | 1828 | 1829 | 1830 | 1912 | 2011 | 2014 | 2052 | 2054 | 2055 | 2302 |
| 2464 | 2501 | 2508 | 2581 | 2643 | 2644 | 2700 | 2744 | 2746 | 2748 | 2825 | 2842 | 2959 | 3023 | 3024 |
| 3031 | 3035 | 3088 | 3247 | 3273 | 3304 | 3309 | 3364 | 3384 | 3385 | 3475 | 3857 | 3858 | 3860 | 3866 |
| 3925 | 3926 | 4162 | 4299 | 4300 | 4309 | 4709 | 4710 | 4711 | 4891 | 4965 | 4966 | 4967 | 4968 | 5002 |
| 5236 | 5237 | 5308 | 5310 | 5334 | 5405 | 5461 | 5486 | 5487 | 5490 | 5491 | 5492 | 5494 | 5496 | 5504 |
| 5517 | 5553 | 5554 | 5595 | 5607 | 5609 | 5664 | 5766 | 5767 | 5768 | 5773 | 5886 | 6004 | 6123 | 6233 |

Electron microscopy (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6317 | 6544 | 6616 | 6640 | 6642 | 6650 | 6712 | 6818 | 6826 | 6828 | 6848 | 6849 | 6851 | 6863 | 6941 |
| 6982 | 6983 | 7015 | 7016 | 7023 | 7025 | 7035 | 7045 | 7104 | 7115 | 7150 | 7151 | 7172 | 7294 | 7296 |
| 7298 | 7299 | 7336 | 7347 | 7355 | 7369 | 7370 | 7372 | 7690 | 7783 | 7785 | 7786 | 7789 | 7791 | 7792 |
| 7793 | 7795 | 7828 | 7832 | 7843 | 7909 | 7938 | 7998 | 8017 | 8022 | 8392 | 8434 | 8488 | 8530 | 8534 |
| 8535 | 8615 | 8658 | 8659 | 8736 | 8786 | 8820 | 8885 | 8886 | 8946 | 8948 | 8949 | 8950 | 8951 | 8952 |
| 8953 | 8955 | 8956 | 8958 | 8962 | 9021 | 9080 | 9081 | 9101 | 9185 | 9225 | 9226 | 9307 | 9408 | 9469 |
| 9593 | 9594 | 9724 | 9775 | 9862 | 9864 | 9865 | 9867 | 9913 | 9921 | 9973 | 9985 | 10002 | 10056 | 10057 |
| 10068 | 10070 | 10077 | 10078 | 10081 | 10084 | 10085 | 10106 | 10109 | 10117 | 10203 | 10360 | 10524 | 10526 | 10528 |
| 10531 | 10532 | 10657 | 10660 | 10789 | 10790 | 10791 | 10792 | 10793 | 10794 | 10795 | 10796 | 10853 | 10911 | 10912 |
| 10942 | 10959 | 11125 | | | | | | | | | | | | |

Elements, trace (see Metals, trace)**Embryology**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 41 | 69 | 111 | 117 | 197 | 222 | 236 | 245 | 247 | 248 | 304 | 498 | 582 | 809 | 819 |
| 829 | 1195 | 1486 | 1508 | 1661 | 1796 | 1802 | 2125 | 2175 | 2189 | 2196 | 2198 | 2200 | 2219 | 2557 |
| 2680 | 2719 | 2914 | 3071 | 3234 | 3355 | 3866 | 4808 | 4847 | 4850 | 4916 | 4967 | 4968 | 5094 | 5188 |
| 5227 | 5572 | 5835 | 5946 | 5947 | 5960 | 6319 | 6435 | 6449 | 6531 | 6979 | 7562 | 7622 | 7633 | 7874 |
| 8022 | 8086 | 8126 | 8193 | 8194 | 8195 | 8196 | 8218 | 8297 | 8309 | 8333 | 8334 | 8623 | 8785 | 8879 |
| 9560 | 9563 | 9566 | 9579 | 9831 | 9863 | 10121 | 10211 | 10212 | 10273 | 10345 | 10457 | 10816 | 10900 | 10903 |
| 11022 | 11124 | 11137 | 11138 | 11139 | 11160 | | | | | | | | | |

Endangered and threatened species

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 317 | 329 | 330 | 331 | 332 | 333 | 334 | 336 | 337 | 338 | 342 | 343 | 344 | 346 | 347 |
| 370 | 379 | 397 | 416 | 418 | 439 | 475 | 748 | 1146 | 1149 | 1151 | 1152 | 1154 | 1156 | 1237 |
| 1239 | 1452 | 1479 | 1977 | 1978 | 1993 | 2119 | 2132 | 2133 | 2182 | 2183 | 2360 | 2695 | 3257 | 3261 |
| 3263 | 3718 | 4213 | 4469 | 4509 | 4532 | 4537 | 4538 | 4687 | 5651 | 5926 | 6733 | 6807 | 7303 | 7420 |
| 7582 | 7959 | 8013 | 8021 | 8068 | 8069 | 8601 | 8676 | 8784 | 9100 | 9111 | 9114 | 9234 | 9840 | 9919 |
| 10014 | 10162 | 10249 | 10351 | 10439 | 10584 | 10788 | | | | | | | | |

Endocrine system, morphology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|
| 198 | 222 | 229 | 230 | 231 | 232 | 233 | 989 | 990 | 1441 | 1964 | 2492 | 3021 | 3034 | 3057 |
| 3058 | 3370 | 3476 | 3477 | 4135 | 4808 | 4847 | 4850 | 5010 | 5011 | 5070 | 5334 | 5623 | 5663 | 5708 |
| 5923 | 6123 | 6173 | 6320 | 6369 | 6590 | 6693 | 6850 | 6854 | 7461 | 7773 | 7809 | 7978 | 8535 | 8946 |
| 8949 | 8951 | 8954 | 9047 | 9048 | 9225 | 9386 | 9512 | 9567 | 9686 | 9909 | 10541 | 11165 | | |

Endocrine system, physiology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 57 | 60 | 67 | 68 | 70 | 76 | 98 | 102 | 103 | 105 | 146 | 165 | 166 | 233 | 326 |
| 527 | 528 | 535 | 536 | 539 | 543 | 544 | 545 | 552 | 560 | 563 | 564 | 565 | 567 | 684 |
| 716 | 789 | 920 | 950 | 970 | 976 | 1036 | 1044 | 1058 | 1061 | 1072 | 1073 | 1087 | 1094 | 1104 |
| 1168 | 1182 | 1184 | 1233 | 1242 | 1257 | 1301 | 1329 | 1330 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 |
| 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1386 | 1441 | 1442 | 1443 | 1453 | 1454 | 1470 |
| 1492 | 1498 | 1513 | 1514 | 1515 | 1516 | 1517 | 1518 | 1519 | 1520 | 1521 | 1522 | 1606 | 1607 | 1609 |
| 1610 | 1619 | 1649 | 1650 | 1651 | 1652 | 1670 | 1671 | 1726 | 1752 | 1796 | 1864 | 1894 | 1957 | 1964 |
| 2019 | 2020 | 2118 | 2196 | 2198 | 2262 | 2263 | 2264 | 2314 | 2364 | 2413 | 2438 | 2462 | 2470 | 2471 |
| 2472 | 2473 | 2493 | 2502 | 2648 | 2660 | 2676 | 2678 | 2753 | 2777 | 2778 | 2820 | 2944 | 3011 | 3012 |
| 3013 | 3014 | 3015 | 3016 | 3017 | 3018 | 3019 | 3020 | 3021 | 3022 | 3023 | 3024 | 3025 | 3026 | 3028 |
| 3029 | 3030 | 3031 | 3032 | 3033 | 3034 | 3035 | 3036 | 3037 | 3040 | 3041 | 3042 | 3043 | 3044 | 3045 |
| 3046 | 3047 | 3048 | 3050 | 3051 | 3052 | 3054 | 3055 | 3057 | 3059 | 3060 | 3061 | 3062 | 3063 | 3064 |
| 3065 | 3066 | 3082 | 3085 | 3159 | 3160 | 3171 | 3234 | 3281 | 3294 | 3316 | 3327 | 3352 | 3353 | 3354 |
| 3365 | 3368 | 3394 | 3475 | 3476 | 3478 | 3479 | 3481 | 3482 | 3483 | 3566 | 3606 | 3607 | 3657 | 3658 |
| 3659 | 3660 | 3661 | 3662 | 3663 | 3664 | 3665 | 3666 | 3667 | 3668 | 3669 | 3671 | 3709 | 3721 | 3722 |
| 3723 | 3725 | 3740 | 3742 | 3783 | 3836 | 3901 | 3933 | 3934 | 3935 | 3936 | 3937 | 3984 | 4019 | 4090 |

Endocrine system, physiology (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4135 | 4174 | 4255 | 4391 | 4672 | 4680 | 4682 | 4730 | 4731 | 4735 | 4762 | 4769 | 4776 | 4779 | 4789 |
| 4805 | 4808 | 4847 | 4850 | 4918 | 4919 | 4921 | 4923 | 4981 | 4982 | 4983 | 4985 | 4988 | 5010 | 5015 |
| 5019 | 5050 | 5070 | 5132 | 5142 | 5175 | 5176 | 5177 | 5181 | 5183 | 5184 | 5255 | 5256 | 5265 | 5266 |
| 5267 | 5268 | 5269 | 5270 | 5271 | 5272 | 5273 | 5274 | 5275 | 5276 | 5311 | 5324 | 5325 | 5332 | 5369 |
| 5375 | 5386 | 5390 | 5391 | 5416 | 5417 | 5420 | 5421 | 5422 | 5423 | 5424 | 5477 | 5478 | 5502 | 5565 |
| 5567 | 5572 | 5573 | 5623 | 5624 | 5625 | 5679 | 5684 | 5685 | 5686 | 5687 | 5696 | 5708 | 5777 | 5819 |
| 5820 | 5835 | 5923 | 5937 | 5950 | 5951 | 5952 | 5953 | 5954 | 5955 | 5956 | 5965 | 5966 | 5999 | 6052 |
| 6082 | 6122 | 6127 | 6128 | 6129 | 6171 | 6172 | 6174 | 6175 | 6254 | 6257 | 6271 | 6315 | 6331 | 6337 |
| 6339 | 6340 | 6346 | 6358 | 6368 | 6404 | 6558 | 6575 | 6576 | 6577 | 6578 | 6601 | 6614 | 6615 | 6619 |
| 6625 | 6626 | 6669 | 6670 | 6677 | 6693 | 6840 | 6843 | 6844 | 6845 | 6847 | 6848 | 6849 | 6856 | 6866 |
| 6867 | 6871 | 6873 | 7092 | 7121 | 7124 | 7141 | 7156 | 7157 | 7176 | 7366 | 7374 | 7419 | 7630 | 7674 |
| 7696 | 7704 | 7767 | 7809 | 7810 | 7848 | 7978 | 7981 | 8052 | 8053 | 8079 | 8083 | 8113 | 8114 | 8116 |
| 8344 | 8346 | 8405 | 8411 | 8413 | 8428 | 8465 | 8598 | 8610 | 8623 | 8711 | 8773 | 8775 | 8776 | 8777 |
| 8778 | 8779 | 8787 | 8788 | 8789 | 8790 | 8791 | 8792 | 8794 | 8795 | 8865 | 8902 | 8949 | 8951 | 9038 |
| 9039 | 9047 | 9048 | 9120 | 9168 | 9224 | 9225 | 9226 | 9385 | 9386 | 9387 | 9388 | 9389 | 9391 | 9423 |
| 9427 | 9431 | 9432 | 9437 | 9438 | 9439 | 9440 | 9513 | 9514 | 9515 | 9564 | 9567 | 9579 | 9686 | 9819 |
| 9820 | 9848 | 9849 | 9886 | 9889 | 9890 | 9908 | 9916 | 10011 | 10028 | 10040 | 10048 | 10056 | 10132 | 10165 |
| 10166 | 10168 | 10203 | 10204 | 10207 | 10208 | 10209 | 10213 | 10214 | 10215 | 10216 | 10217 | 10259 | 10264 | 10268 |
| 10282 | 10368 | 10429 | 10480 | 10482 | 10483 | 10521 | 10522 | 10581 | 10588 | 10590 | 10591 | 10609 | 10661 | 10786 |
| 10817 | 10818 | 10863 | 10864 | 10865 | 10866 | 10888 | 10907 | 10982 | 10983 | 10984 | 10985 | 10986 | 10987 | 11003 |
| 11146 | 11154 | 11155 | 11158 | | | | | | | | | | | |

Eradication

| | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 34 | 303 | 304 | 312 | 314 | 394 | 395 | 450 | 482 | 522 | 662 | 891 | 1102 | 1147 | 1221 |
| 1317 | 1621 | 1631 | 1639 | 1729 | 1833 | 1884 | 2090 | 2103 | 2131 | 2267 | 2320 | 2398 | 2801 | 2811 |
| 2844 | 3100 | 3116 | 3279 | 3552 | 3588 | 3633 | 3684 | 3685 | 3737 | 3760 | 3849 | 3854 | 4122 | 4140 |
| 4213 | 4369 | 4445 | 4574 | 4781 | 4792 | 5187 | 5279 | 5293 | 5529 | 5547 | 5710 | 5711 | 5781 | 5868 |
| 6108 | 6179 | 6181 | 6182 | 6221 | 6223 | 6224 | 6280 | 6324 | 6402 | 6415 | 6480 | 6543 | 6749 | 6905 |
| 7396 | 7431 | 7688 | 7756 | 7775 | 7840 | 7878 | 8150 | 8213 | 8262 | 8268 | 8274 | 8278 | 8286 | 8349 |
| 8351 | 8424 | 8587 | 8589 | 8623 | 9191 | 9496 | 9518 | 9561 | 10107 | 10108 | 10191 | 10457 | 10492 | 10560 |
| 11160 | | | | | | | | | | | | | | |

Etymology of word "crayfish" (see Vernacular names)**Evolution**

| | | | | | | | | | | | | | | |
|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 42 | 54 | 116 | 118 | 249 | 255 | 740 | 741 | 754 | 769 | 770 | 771 | 772 | 993 | 994 |
| 1099 | 1136 | 1146 | 1150 | 1153 | 1158 | 1288 | 1534 | 1890 | 1909 | 1999 | 2001 | 2002 | 2089 | 2092 |
| 2152 | 2214 | 2219 | 2364 | 2491 | 2493 | 2709 | 2924 | 3106 | 3107 | 3111 | 3116 | 3126 | 3266 | 3267 |
| 3546 | 3564 | 3621 | 3670 | 3685 | 3973 | 4107 | 4111 | 4123 | 4366 | 4385 | 4386 | 4387 | 4398 | 4401 |
| 4411 | 4415 | 4427 | 4432 | 4438 | 4442 | 4446 | 4466 | 4509 | 4514 | 4516 | 4533 | 4536 | 4623 | 4699 |
| 4701 | 4808 | 4847 | 4850 | 5000 | 5016 | 5024 | 5207 | 5373 | 5543 | 5735 | 6284 | 6418 | 6677 | 6709 |
| 6819 | 7487 | 7552 | 7556 | 7560 | 7634 | 7686 | 7978 | 7983 | 8209 | 8281 | 8284 | 8289 | 8290 | 8292 |
| 8351 | 8354 | 8521 | 8531 | 8728 | 8852 | 9106 | 9110 | 9523 | 9524 | 9874 | 9910 | 10322 | 10325 | 10326 |
| 10449 | 10519 | | | | | | | | | | | | | |

Excretory system, morphology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| 272 | 831 | 2537 | 2783 | 2970 | 2971 | 3075 | 3076 | 3702 | 3703 | 3704 | 3705 | 4291 | 4808 | 4847 |
| 4850 | 4891 | 5543 | 6123 | 6318 | 6344 | 6369 | 6374 | 6677 | 6851 | 7616 | 7773 | 7826 | 7828 | 7829 |
| 7830 | 7831 | 7832 | 7922 | 8146 | 8147 | 8615 | 8646 | 8688 | 8962 | 9985 | 10457 | 10497 | 10662 | |

Excretory system, physiology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 228 | 260 | 830 | 831 | 950 | 1384 | 1385 | 1963 | 2410 | 2493 | 2537 | 2584 | 2753 | 2944 | 2970 |
| 2971 | 3056 | 3059 | 3075 | 3076 | 3077 | 3172 | 3348 | 3471 | 3538 | 3704 | 3740 | 3742 | 3744 | 3765 |
| 3983 | 3984 | 4253 | 4808 | 4839 | 5123 | 5142 | 5180 | 5181 | 5182 | 5184 | 5386 | 5387 | 5388 | 5389 |

Excretory system, physiology (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 5390 | 5391 | 5411 | 5505 | 5543 | 5642 | 5657 | 5669 | 6007 | 6037 | 6052 | 6231 | 6232 | 6238 | 6318 |
| 6337 | 6340 | 6341 | 6342 | 6343 | 6344 | 6345 | 6346 | 6369 | 6608 | 6624 | 6677 | 6687 | 6691 | 6846 |
| 6851 | 6855 | 6988 | 7090 | 7124 | 7132 | 7439 | 7616 | 7668 | 7826 | 7828 | 7829 | 7831 | 7833 | 7871 |
| 7876 | 8031 | 8146 | 8147 | 8338 | 8339 | 8340 | 8341 | 8342 | 8343 | 8345 | 8346 | 8347 | 8428 | 8646 |
| 8681 | 8683 | 8684 | 8686 | 8688 | 8857 | 8858 | 8859 | 8860 | 8863 | 8864 | 8866 | 8867 | 8868 | 9428 |
| 9429 | 9780 | 9985 | 10011 | 10147 | 10383 | 10497 | 10521 | 10522 | 10754 | 10833 | 10907 | 11097 | 11152 | |

Feeding (see Food of)**Fisheries (see Aquaculture)****Fluke parasites**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 16 | 18 | 174 | 175 | 176 | 177 | 191 | 222 | 380 | 582 | 666 | 753 | 800 | 842 | 1077 |
| 1121 | 1406 | 1480 | 1632 | 1637 | 1657 | 1770 | 1771 | 1780 | 1833 | 1851 | 1852 | 1853 | 1854 | 1867 |
| 2005 | 2103 | 2552 | 2582 | 3184 | 3185 | 3186 | 3187 | 3494 | 3632 | 3698 | 3890 | 3899 | 3900 | 3954 |
| 4047 | 4438 | 4723 | 4808 | 4855 | 4859 | 4906 | 4911 | 5072 | 5119 | 5120 | 5135 | 5189 | 5278 | 5344 |
| 5357 | 5361 | 5443 | 5444 | 5445 | 5483 | 5647 | 5648 | 5691 | 5692 | 5693 | 5694 | 5831 | 5895 | 5990 |
| 6022 | 6156 | 6269 | 6367 | 6583 | 6792 | 6833 | 6834 | 6857 | 6858 | 6859 | 6860 | 6861 | 6929 | 7133 |
| 7259 | 7269 | 7280 | 7395 | 7421 | 7518 | 7594 | 7629 | 7971 | 8136 | 8310 | 8360 | 8361 | 8447 | 8563 |
| 8704 | 8872 | 8895 | 8964 | 8965 | 8966 | 9172 | 9174 | 9175 | 9176 | 9255 | 9516 | 9517 | 9569 | 9592 |
| 9939 | 9994 | 10030 | 10031 | 10032 | 10033 | 10034 | 10125 | 10270 | 10459 | 10800 | 10805 | 10946 | 11005 | 11006 |
| 11007 | 11008 | 11009 | 11014 | 11015 | 11016 | 11031 | 11106 | 11151 | 11184 | | | | | |

Folk medicine (see Mythology)**Folklore (see Mythology)****Food characteristics**

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 222 | 375 | 1057 | 1410 | 1690 | 1775 | 1902 | 1945 | 2234 | 2235 | 2247 | 2248 | 2249 | 2513 | 2514 |
| 2939 | 3279 | 5246 | 5721 | 6163 | 6466 | 6525 | 6719 | 6750 | 6752 | 6753 | 7010 | 7138 | 7139 | 7359 |
| 7433 | 7854 | 7996 | 8496 | 8508 | 8752 | 9208 | 9210 | 9211 | 9212 | 9216 | 9240 | 9741 | 9877 | 9903 |
| 10634 | 10801 | 10887 | | | | | | | | | | | | |

Food of

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3 | 23 | 26 | 36 | 39 | 41 | 96 | 110 | 111 | 171 | 178 | 179 | 182 | 193 | 201 |
| 222 | 225 | 236 | 247 | 291 | 299 | 304 | 316 | 317 | 321 | 346 | 350 | 355 | 361 | 362 |
| 364 | 364 | 365 | 375 | 395 | 396 | 399 | 403 | 406 | 407 | 408 | 409 | 411 | 413 | 426 |
| 429 | 466 | 481 | 484 | 559 | 561 | 582 | 641 | 643 | 644 | 650 | 653 | 656 | 660 | 661 |
| 662 | 663 | 664 | 665 | 667 | 669 | 699 | 708 | 728 | 746 | 768 | 771 | 776 | 848 | 849 |
| 875 | 888 | 889 | 921 | 1020 | 1031 | 1032 | 1036 | 1040 | 1041 | 1042 | 1051 | 1102 | 1153 | 1181 |
| 1182 | 1190 | 1207 | 1213 | 1215 | 1233 | 1243 | 1295 | 1311 | 1322 | 1377 | 1395 | 1412 | 1414 | 1445 |
| 1452 | 1497 | 1511 | 1531 | 1533 | 1545 | 1571 | 1575 | 1576 | 1577 | 1585 | 1589 | 1615 | 1616 | 1632 |
| 1637 | 1690 | 1697 | 1701 | 1702 | 1720 | 1722 | 1723 | 1725 | 1756 | 1786 | 1790 | 1792 | 1793 | 1832 |
| 1833 | 1838 | 1882 | 1884 | 1910 | 1931 | 1976 | 1989 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2039 |
| 2040 | 2077 | 2078 | 2090 | 2099 | 2103 | 2114 | 2170 | 2175 | 2179 | 2194 | 2199 | 2204 | 2205 | 2214 |
| 2245 | 2246 | 2309 | 2311 | 2319 | 2324 | 2326 | 2327 | 2330 | 2335 | 2338 | 2402 | 2445 | 2478 | 2491 |
| 2495 | 2499 | 2499 | 2695 | 2696 | 2707 | 2709 | 2738 | 2801 | 2806 | 2811 | 2852 | 2888 | 2938 | 2967 |
| 3150 | 3151 | 3169 | 3211 | 3215 | 3216 | 3256 | 3269 | 3288 | 3314 | 3380 | 3381 | 3399 | 3411 | 3429 |
| 3524 | 3546 | 3582 | 3604 | 3605 | 3644 | 3646 | 3681 | 3685 | 3688 | 3690 | 3693 | 3712 | 3732 | 3737 |
| 3738 | 3758 | 3760 | 3762 | 3788 | 3873 | 3876 | 3913 | 3946 | 3949 | 3958 | 3973 | 3996 | 4115 | 4138 |
| 4139 | 4247 | 4259 | 4266 | 4288 | 4295 | 4446 | 4466 | 4467 | 4514 | 4518 | 4522 | 4524 | 4590 | 4683 |
| 4695 | 4699 | 4700 | 4701 | 4734 | 4773 | 4774 | 4776 | 4777 | 4779 | 4782 | 4785 | 4790 | 4792 | 4794 |
| 4804 | 4807 | 4808 | 4810 | 4821 | 4822 | 4823 | 4827 | 4827 | 4847 | 4850 | 4857 | 4879 | 4932 | 4971 |
| 5018 | 5059 | 5078 | 5079 | 5080 | 5081 | 5106 | 5109 | 5188 | 5290 | 5293 | 5365 | 5409 | 5480 | 5543 |
| 5545 | 5547 | 5548 | 5572 | 5611 | 5687 | 5688 | 5690 | 5700 | 5715 | 5745 | 5748 | 5855 | 5936 | 5941 |

Food of (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5978 | 6016 | 6037 | 6084 | 6085 | 6086 | 6152 | 6153 | 6154 | 6203 | 6217 | 6221 | 6222 | 6262 | 6264 |
| 6282 | 6284 | 6285 | 6402 | 6418 | 6442 | 6444 | 6445 | 6448 | 6480 | 6528 | 6534 | 6564 | 6573 | 6586 |
| 6587 | 6612 | 6676 | 6677 | 6678 | 6714 | 6717 | 6738 | 6739 | 6740 | 6758 | 6767 | 6768 | 6769 | 6774 |
| 6776 | 6780 | 6789 | 6790 | 6791 | 6794 | 6796 | 6813 | 6896 | 6900 | 6905 | 6910 | 6911 | 6922 | 6956 |
| 6994 | 6996 | 7006 | 7007 | 7032 | 7033 | 7110 | 7115 | 7153 | 7160 | 7198 | 7225 | 7282 | 7287 | 7314 |
| 7317 | 7430 | 7431 | 7487 | 7560 | 7594 | 7628 | 7638 | 7697 | 7699 | 7701 | 7773 | 7804 | 7815 | 7847 |
| 7847 | 7863 | 7864 | 7867 | 7878 | 7891 | 7892 | 7918 | 7942 | 7943 | 7952 | 7956 | 7983 | 7993 | 8016 |
| 8017 | 8027 | 8060 | 8085 | 8091 | 8095 | 8163 | 8164 | 8227 | 8261 | 8275 | 8296 | 8299 | 8303 | 8316 |
| 8330 | 8389 | 8390 | 8405 | 8413 | 8436 | 8445 | 8450 | 8453 | 8455 | 8481 | 8526 | 8528 | 8587 | 8590 |
| 8598 | 8629 | 8668 | 8775 | 8783 | 8825 | 8851 | 8943 | 8999 | 9102 | 9149 | 9169 | 9208 | 9210 | 9211 |
| 9213 | 9245 | 9263 | 9404 | 9494 | 9497 | 9518 | 9559 | 9592 | 9597 | 9627 | 9659 | 9734 | 9736 | 9737 |
| 9738 | 9741 | 9759 | 9824 | 9833 | 9860 | 9866 | 9887 | 9965 | 10022 | 10042 | 10095 | 10128 | 10133 | 10191 |
| 10308 | 10333 | 10336 | 10340 | 10457 | 10556 | 10557 | 10578 | 10599 | 10615 | 10629 | 10667 | 10688 | 10798 | 10799 |
| 10804 | 10808 | 10812 | 10815 | 10820 | 10860 | 10866 | 10888 | 10996 | | | | | | |

Food, as (see Recipes)**Fossils**

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 17 | 122 | 123 | 740 | 741 | 754 | 873 | 959 | 960 | 961 | 1101 | 1419 | 2441 | 2941 | 2951 |
| 3107 | 3563 | 3565 | 3715 | 3943 | 4427 | 4847 | 4850 | 4877 | 5000 | 5089 | 5671 | 6694 | 7557 | 7558 |
| 7559 | 7813 | 7814 | 8121 | 8122 | 8442 | 8588 | 8602 | 8603 | 8728 | 8892 | 10230 | 10231 | 10232 | 10233 |
| 10614 | 10664 | 10855 | | | | | | | | | | | | |

Fungicides (see Chemicals, toxic)**Fungus diseases**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 25 | 31 | 32 | 34 | 35 | 36 | 37 | 73 | 76 | 128 | 129 | 130 | 131 | 132 | 154 |
| 155 | 168 | 171 | 178 | 222 | 293 | 298 | 446 | 569 | 573 | 582 | 592 | 593 | 594 | 600 |
| 637 | 643 | 644 | 666 | 744 | 1176 | 1206 | 1213 | 1266 | 1267 | 1268 | 1295 | 1304 | 1360 | 1512 |
| 1632 | 1637 | 1640 | 1664 | 1665 | 1686 | 1833 | 2003 | 2103 | 2125 | 2126 | 2142 | 2197 | 2208 | 2258 |
| 2356 | 2585 | 2587 | 2588 | 2877 | 2967 | 2972 | 3217 | 3218 | 3299 | 3340 | 3343 | 3344 | 3345 | 3347 |
| 3441 | 3444 | 3592 | 3604 | 3625 | 3645 | 3672 | 3771 | 3805 | 3815 | 3883 | 3884 | 3885 | 3887 | 3939 |
| 4008 | 4031 | 4032 | 4033 | 4034 | 4038 | 4039 | 4040 | 4141 | 4226 | 4227 | 4229 | 4283 | 4284 | 4438 |
| 4553 | 4555 | 4556 | 4557 | 4576 | 4749 | 4808 | 4861 | 4882 | 4957 | 4959 | 4960 | 4961 | 4962 | 4963 |
| 4991 | 4997 | 5037 | 5067 | 5072 | 5102 | 5384 | 5431 | 5543 | 5558 | 5564 | 5738 | 5777 | 5926 | 5962 |
| 6033 | 6037 | 6176 | 6178 | 6206 | 6297 | 6361 | 6362 | 6363 | 6446 | 6447 | 6500 | 6527 | 6529 | 6532 |
| 6535 | 6674 | 6751 | 6771 | 6814 | 6952 | 6954 | 7052 | 7053 | 7248 | 7344 | 7347 | 7348 | 7354 | 7406 |
| 7431 | 7594 | 7734 | 7810 | 7811 | 7812 | 7844 | 7905 | 7906 | 7907 | 7908 | 7922 | 7959 | 8067 | 8086 |
| 8088 | 8108 | 8138 | 8139 | 8235 | 8261 | 8262 | 8314 | 8479 | 8551 | 8644 | 8645 | 8652 | 8658 | 8669 |
| 8752 | 8808 | 8830 | 8832 | 9023 | 9026 | 9027 | 9034 | 9121 | 9133 | 9151 | 9152 | 9153 | 9154 | 9157 |
| 9158 | 9159 | 9161 | 9163 | 9164 | 9165 | 9166 | 9168 | 9169 | 9170 | 9232 | 9233 | 9235 | 9236 | 9238 |
| 9241 | 9244 | 9497 | 9613 | 9617 | 9619 | 9620 | 9621 | 9622 | 9623 | 9624 | 9834 | 10088 | 10089 | 10090 |
| 10091 | 10092 | 10093 | 10094 | 10095 | 10096 | 10097 | 10098 | 10099 | 10100 | 10101 | 10102 | 10103 | 10104 | 10105 |
| 10106 | 10107 | 10109 | 10111 | 10112 | 10113 | 10116 | 10117 | 10119 | 10121 | 10122 | 10123 | 10269 | 10270 | 10271 |
| 10272 | 10273 | 10274 | 10275 | 10277 | 10278 | 10279 | 10281 | 10282 | 10283 | 10284 | 10285 | 10286 | 10287 | 10306 |
| 10351 | 10373 | 10611 | 10613 | 10614 | 10615 | 10618 | 10622 | 10623 | 10625 | 10632 | 10633 | 10635 | 11032 | 11144 |
| 11164 | 11185 | | | | | | | | | | | | | |

Fungus growths (see Fungus diseases)**Genetics**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 605 | 606 | 607 | 625 | 690 | 944 | 974 | 975 | 1033 | 1035 | 1036 | 1039 | 1040 | 1041 | 1042 |
| 1043 | 1044 | 1062 | 1293 | 1296 | 1297 | 1350 | 1584 | 1743 | 1942 | 2092 | 2262 | 2263 | 2534 | 2798 |
| 2908 | 3285 | 3830 | 3865 | 3867 | 4143 | 4812 | 4907 | 4908 | 5065 | 5066 | 5161 | 5214 | 5343 | 5373 |
| 5569 | 5573 | 5685 | 5687 | 6144 | 6301 | 6320 | 6591 | 6853 | 6864 | 7024 | 7025 | 7026 | 7027 | 7028 |

Genetics (cont.)

7030 7039 7049 7106 7204 7252 7253 7254 7255 7256 7257 7343 7366 7390 8463
 8535 9020 9058 9115 9226 9523 9524 9525 9526 9923 9964 10056 10144 10368 10456
 10863 10864 10866 10900 10936 10937 10938 11112 11113 11165

Geographical localities

3456 3457 3458 3459 3460 3461 6664

Glycogen content (see Food characteristics)**Growth (see Life history)****Habitat descriptions**

3 39 99 111 192 236 299 304 316 321 325 329 330 331 332
 333 334 335 336 337 338 342 343 344 346 347 348 355 356 358
 359 360 361 366 367 368 369 373 388 389 390 461 484 558 562
 644 662 667 745 746 766 771 772 776 947 948 949 949 965 1021
 1026 1040 1052 1077 1133 1140 1141 1142 1144 1145 1146 1154 1159 1161 1163
 1164 1165 1181 1182 1190 1213 1235 1322 1359 1531 1534 1545 1565 1583 1585
 1614 1632 1637 1662 1708 1756 1790 1791 1797 1837 1919 1938 1976 1989 1993
 1994 2038 2080 2089 2094 2103 2199 2256 2257 2277 2327 2445 2490 2497 2517
 2543 2670 2806 2808 2905 2917 3109 3152 3175 3182 3211 3224 3242 3244 3263
 3340 3429 3441 3444 3596 3597 3604 3605 3606 3637 3707 3758 3789 3792 3848
 3854 3916 3957 3968 3973 4134 4136 4139 4229 4295 4310 4341 4343 4351 4357
 4359 4367 4381 4383 4392 4393 4394 4396 4397 4399 4401 4402 4403 4407 4411
 4413 4414 4415 4416 4417 4428 4433 4437 4445 4446 4448 4453 4457 4466 4467
 4469 4470 4472 4475 4479 4483 4492 4511 4513 4514 4515 4516 4518 4520 4524
 4528 4532 4533 4535 4536 4542 4543 4570 4588 4590 4640 4651 4656 4692 4693
 4701 4726 4765 4785 4794 4799 4804 4808 4820 4823 4827 4827 4835 4836 4994
 4995 4997 5012 5023 5034 5041 5073 5093 5102 5109 5112 5133 5135 5248 5281
 5292 5324 5354 5355 5430 5511 5543 5544 5672 5714 5714 5738 5748 5822 6073
 6138 6153 6173 6177 6238 6405 6443 6445 6446 6448 6606 6675 6677 6680 6696
 6697 6769 6794 6867 6874 6896 6900 6904 6911 6972 6994 6996 6999 7183 7218
 7248 7248 7397 7435 7489 7582 7624 7638 7697 7701 7702 7728 7741 7743 7744
 7745 7746 7750 7751 7754 7758 7759 7864 7878 7920 7978 7983 7986 8017 8027
 8028 8088 8090 8093 8120 8205 8208 8211 8214 8227 8228 8261 8266 8271 8287
 8292 8317 8318 8319 8423 8446 8706 8708 8709 8749 8755 8757 8996 9036 9108
 9114 9435 9590 9592 9758 9795 9798 9811 9872 10187 10188 10279 10319 10585 10615
 10772 10774 10775 10787 10806 10823 10860 10996

Harmful effects (see Eradication)**Harvesting**

23 25 30 36 39 111 200 222 304 329 330 331 332 333 334
 335 336 337 338 339 342 343 344 346 347 348 350 352 355 356
 358 359 360 361 366 367 368 369 383 388 389 403 407 408 409
 416 424 483 558 579 582 591 594 596 643 644 646 650 656 662
 663 666 668 839 848 865 875 953 1021 1047 1140 1213 1220 1233 1234
 1235 1243 1259 1267 1279 1282 1289 1295 1322 1324 1415 1417 1422 1497 1511
 1529 1541 1565 1571 1575 1576 1585 1586 1590 1630 1633 1647 1790 1835 1884
 1903 1913 1949 1961 1976 1989 2099 2114 2277 2342 2400 2402 2416 2510 2551
 2559 2577 2653 2658 2695 2726 2727 2790 2803 2806 2811 2834 2838 2905 2973
 3073 3141 3169 3223 3254 3314 3340 3426 3428 3462 3473 3521 3606 3616 3626
 3627 3646 3686 3737 3738 3752 3771 3815 3852 3949 3957 3973 4242 4288 4640
 4641 4694 4765 4766 4773 4776 4777 4778 4779 4782 4783 4784 4785 4787 4790

Harvesting (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4793 | 4794 | 4803 | 4804 | 4807 | 4808 | 4809 | 4810 | 4824 | 4827 | 4847 | 4879 | 4880 | 4914 | 4941 |
| 4989 | 5035 | 5059 | 5063 | 5090 | 5255 | 5392 | 5515 | 5516 | 5523 | 5534 | 5537 | 5543 | 5544 | 5547 |
| 5576 | 5611 | 5700 | 5715 | 5745 | 5868 | 5887 | 5916 | 5917 | 6015 | 6033 | 6035 | 6036 | 6090 | 6377 |
| 6418 | 6442 | 6443 | 6444 | 6445 | 6513 | 6570 | 6588 | 6612 | 6648 | 6715 | 6748 | 6750 | 6777 | 6867 |
| 6896 | 6901 | 6916 | 6923 | 6925 | 6926 | 6927 | 6971 | 6972 | 6987 | 6990 | 6993 | 6996 | 6998 | 6999 |
| 7001 | 7003 | 7004 | 7011 | 7013 | 7014 | 7051 | 7189 | 7225 | 7226 | 7228 | 7246 | 7248 | 7286 | 7287 |
| 7289 | 7308 | 7310 | 7314 | 7362 | 7378 | 7406 | 7431 | 7466 | 7467 | 7594 | 7617 | 7638 | 7697 | 7699 |
| 7773 | 7847 | 7851 | 7852 | 7863 | 7864 | 7865 | 7867 | 7869 | 7922 | 7943 | 7952 | 7986 | 7995 | 8088 |
| 8324 | 8451 | 8456 | 8457 | 8458 | 8459 | 8460 | 8523 | 8543 | 8573 | 8599 | 8635 | 8667 | 8698 | 8803 |
| 8888 | 8943 | 8973 | 8992 | 9095 | 9102 | 9190 | 9202 | 9244 | 9480 | 9493 | 9774 | 9795 | 9796 | 9890 |
| 9896 | 9965 | 9990 | 10113 | 10128 | 10160 | 10303 | 10335 | 10340 | 10420 | 10449 | 10457 | 10491 | 10492 | 10493 |
| 10618 | 10624 | 10625 | 10626 | 10634 | 10670 | 10773 | 10860 | 10913 | 10940 | 10957 | 10981 | 10996 | | |

Heraldry (see Art)**Hibernation (see Circadian rhythm)****Histochemistry**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 11 | 41 | 74 | 75 | 76 | 105 | 109 | 168 | 230 | 558 | 559 | 566 | 568 | 703 |
| 916 | 919 | 1168 | 1259 | 1609 | 1813 | 1821 | 1828 | 1937 | 2043 | 2044 | 2056 | 2247 | 2262 | 2263 |
| 2314 | 2377 | 2471 | 2491 | 2508 | 2682 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2745 | 2781 | 2782 |
| 2783 | 2786 | 2959 | 3022 | 3024 | 3047 | 3172 | 3281 | 3368 | 3370 | 3467 | 3606 | 3622 | 3623 | 3660 |
| 4298 | 4299 | 4300 | 4679 | 4680 | 4891 | 5070 | 5229 | 5242 | 5482 | 5669 | 5684 | 5687 | 5777 | 6301 |
| 6316 | 6317 | 6318 | 6436 | 6692 | 6693 | 6706 | 6843 | 6844 | 6845 | 6846 | 6864 | 7036 | 7099 | 7113 |
| 7172 | 7331 | 7386 | 7703 | 7828 | 7830 | 7870 | 8061 | 8487 | 8598 | 8820 | 9051 | 9053 | 9143 | 9167 |
| 9226 | 9500 | 9501 | 9642 | 9647 | 9724 | 9752 | 9850 | 9971 | 9972 | 9973 | 9998 | 10055 | 10056 | 10057 |
| 10061 | 10081 | 10082 | 10083 | 10111 | 10196 | 10237 | 10262 | 10408 | 10409 | 10849 | 10864 | 10866 | 10871 | 10872 |
| 10873 | 10874 | 10888 | 10906 | 10912 | 10916 | 10917 | 10942 | 10959 | 11037 | 11107 | 11108 | 11109 | 11111 | 11112 |
| 11113 | 11149 | | | | | | | | | | | | | |

Histology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 102 | 105 | 111 | 166 | 198 | 233 | 240 | 494 | 558 | 559 | 602 | 703 | 729 | 762 | 831 |
| 912 | 915 | 917 | 931 | 939 | 1056 | 1249 | 1380 | 1381 | 1413 | 1599 | 1619 | 1661 | 1830 | 1876 |
| 2011 | 2014 | 2048 | 2053 | 2056 | 2279 | 2281 | 2302 | 2313 | 2416 | 2435 | 2462 | 2464 | 2508 | 2535 |
| 2537 | 2644 | 2648 | 2675 | 2701 | 2777 | 2786 | 2839 | 2893 | 2907 | 2959 | 2961 | 2965 | 3032 | 3033 |
| 3042 | 3043 | 3050 | 3052 | 3054 | 3056 | 3057 | 3075 | 3076 | 3128 | 3306 | 3307 | 3422 | 3464 | 3467 |
| 3503 | 3855 | 3857 | 3858 | 3860 | 3866 | 3925 | 3926 | 3970 | 3984 | 3985 | 4315 | 4499 | 4709 | 4710 |
| 4711 | 4713 | 4733 | 4735 | 4847 | 4850 | 4972 | 4984 | 5005 | 5014 | 5065 | 5066 | 5075 | 5076 | 5227 |
| 5310 | 5386 | 5390 | 5552 | 5572 | 5581 | 5623 | 5630 | 5687 | 5708 | 5719 | 5773 | 5805 | 5812 | 5885 |
| 5897 | 5979 | 6037 | 6303 | 6369 | 6435 | 6544 | 6642 | 6650 | 6706 | 6829 | 6831 | 6850 | 6853 | 6941 |
| 7025 | 7086 | 7172 | 7252 | 7328 | 7331 | 7404 | 7497 | 7498 | 7499 | 7500 | 7501 | 7502 | 7503 | 7504 |
| 7505 | 7506 | 7507 | 7508 | 7509 | 7624 | 7655 | 7694 | 7695 | 7703 | 7783 | 7793 | 7809 | 7881 | 7909 |
| 8017 | 8079 | 8198 | 8199 | 8392 | 8434 | 8461 | 8483 | 8484 | 8487 | 8488 | 8533 | 8615 | 8775 | 8786 |
| 8816 | 8820 | 9021 | 9083 | 9101 | 9186 | 9391 | 9408 | 9564 | 9567 | 9750 | 9751 | 9752 | 9776 | 9865 |
| 9930 | 9969 | 9973 | 9998 | 10002 | 10003 | 10068 | 10069 | 10070 | 10080 | 10117 | 10273 | 10282 | 10287 | 10353 |
| 10426 | 10485 | 10526 | 10530 | 10657 | 10666 | 10674 | 10707 | 10727 | 10839 | 10942 | 10947 | 11018 | 11082 | 11113 |
| 11149 | 11160 | 11165 | 11180 | | | | | | | | | | | |

Histriobdellid associations (see Branchiobdellid associations)**Homologies**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 250 | 806 | 1148 | 1175 | 1431 | 1533 | 1745 | 1901 | 2048 | 2054 | 2055 | 2092 | 2359 | 3464 | 3985 |
| 3986 | 3987 | 4351 | 4352 | 4358 | 4432 | 4438 | 4552 | 5813 | 5868 | 6407 | 6651 | 6817 | 6820 | 6823 |
| 6830 | 6877 | 7023 | 7707 | 7854 | 9097 | 9144 | 9145 | 11190 | | | | | | |

Hydrocarbons (see Chemicals, toxic)**Immune system (see Medical research)****Indicators**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 35 | 105 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 342 | 343 | 344 |
| 346 | 347 | 348 | 355 | 356 | 358 | 359 | 360 | 361 | 366 | 367 | 368 | 369 | 388 | 389 |
| 1239 | 2491 | 3876 | 3876 | 4295 | 4459 | 5544 | 5745 | 7701 | 8708 | 8708 | 8755 | 8873 | 9798 | 10257 |

10996

Introductions

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 24 | 26 | 35 | 36 | 37 | 39 | 63 | 73 | 83 | 84 | 124 | 158 | 210 | 211 | 212 |
| 216 | 222 | 242 | 296 | 299 | 351 | 362 | 377 | 382 | 385 | 387 | 402 | 427 | 433 | 441 |
| 450 | 455 | 473 | 474 | 476 | 490 | 522 | 575 | 582 | 596 | 643 | 644 | 718 | 770 | 878 |
| 922 | 943 | 1051 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1102 | 1132 | 1133 | 1140 | 1144 | 1145 |
| 1146 | 1147 | 1149 | 1152 | 1154 | 1155 | 1181 | 1190 | 1266 | 1267 | 1268 | 1277 | 1285 | 1286 | 1291 |
| 1421 | 1504 | 1512 | 1571 | 1586 | 1601 | 1602 | 1639 | 1659 | 1695 | 1895 | 1896 | 1908 | 1993 | 2078 |
| 2080 | 2082 | 2100 | 2102 | 2103 | 2126 | 2131 | 2137 | 2144 | 2162 | 2163 | 2166 | 2168 | 2171 | 2208 |
| 2209 | 2231 | 2277 | 2296 | 2330 | 2361 | 2395 | 2445 | 2573 | 2709 | 2736 | 2806 | 2812 | 2915 | 2917 |
| 3110 | 3115 | 3120 | 3126 | 3336 | 3339 | 3340 | 3343 | 3404 | 3432 | 3433 | 3440 | 3441 | 3442 | 3443 |
| 3444 | 3445 | 3592 | 3604 | 3606 | 3697 | 3716 | 3786 | 3798 | 3799 | 3841 | 3848 | 3850 | 3942 | 3958 |
| 3973 | 4170 | 4227 | 4229 | 4380 | 4401 | 4424 | 4427 | 4428 | 4438 | 4442 | 4466 | 4467 | 4492 | 4509 |
| 4533 | 4551 | 4557 | 4568 | 4569 | 4575 | 4576 | 4587 | 4657 | 4687 | 4781 | 4792 | 4796 | 4806 | 4808 |
| 4876 | 4882 | 4979 | 4996 | 4997 | 5032 | 5036 | 5041 | 5042 | 5047 | 5095 | 5187 | 5188 | 5222 | 5251 |
| 5292 | 5409 | 5543 | 5544 | 5546 | 5610 | 5677 | 5710 | 5711 | 5776 | 5849 | 5850 | 5853 | 5855 | 5856 |
| 5857 | 5858 | 5890 | 5900 | 5902 | 5903 | 5906 | 5910 | 5926 | 6147 | 6153 | 6178 | 6179 | 6180 | 6181 |
| 6197 | 6260 | 6280 | 6282 | 6411 | 6446 | 6470 | 6472 | 6509 | 6543 | 6749 | 6750 | 6836 | 6905 | 6911 |
| 6978 | 6994 | 6996 | 7004 | 7248 | 7256 | 7260 | 7309 | 7311 | 7367 | 7377 | 7378 | 7396 | 7398 | 7431 |
| 7594 | 7638 | 7756 | 7878 | 7920 | 7947 | 7948 | 7950 | 8029 | 8069 | 8106 | 8140 | 8141 | 8143 | 8144 |
| 8262 | 8335 | 8336 | 8474 | 8475 | 8587 | 8589 | 8611 | 8675 | 8757 | 8758 | 8759 | 8760 | 8761 | 8943 |
| 8944 | 8945 | 9007 | 9094 | 9095 | 9099 | 9158 | 9164 | 9190 | 9232 | 9234 | 9235 | 9236 | 9238 | 9240 |
| 9241 | 9244 | 9497 | 9535 | 9536 | 9558 | 9563 | 9565 | 9613 | 9615 | 9829 | 9869 | 9909 | 10102 | 10103 |
| 10107 | 10108 | 10111 | 10124 | 10191 | 10249 | 10273 | 10303 | 10349 | 10350 | 10372 | 10454 | 10490 | 10612 | 10614 |
| 10615 | 10617 | 10618 | 10628 | 10632 | 10674 | 10755 | 10787 | 10971 | 10981 | 10996 | 11140 | | | |

Isotopes (see Radioecology)**Keys**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| 108 | 222 | 582 | 825 | 878 | 1133 | 1136 | 1140 | 1141 | 1150 | 1178 | 1284 | 1366 | 1884 | 1888 |
| 1889 | 2080 | 2082 | 2094 | 2099 | 2103 | 2224 | 2811 | 3103 | 3107 | 3127 | 3141 | 3201 | 3242 | 3244 |
| 3264 | 3585 | 3881 | 4103 | 4116 | 4341 | 4345 | 4350 | 4356 | 4357 | 4359 | 4361 | 4362 | 4363 | 4370 |
| 4371 | 4372 | 4373 | 4376 | 4377 | 4394 | 4400 | 4401 | 4408 | 4409 | 4412 | 4415 | 4421 | 4422 | 4423 |
| 4424 | 4426 | 4427 | 4429 | 4438 | 4445 | 4446 | 4461 | 4462 | 4463 | 4465 | 4466 | 4467 | 4470 | 4475 |
| 4479 | 4482 | 4489 | 4490 | 4496 | 4501 | 4503 | 4536 | 4629 | 4667 | 4834 | 4970 | 5044 | 5207 | 5208 |
| 5868 | 6221 | 6677 | 6838 | 6967 | 7395 | 7481 | 7483 | 7486 | 7487 | 7493 | 7494 | 7582 | 7709 | 7761 |
| 7762 | 7771 | 7773 | 7776 | 7864 | 7865 | 7866 | 7992 | 8197 | 8209 | 8210 | 8213 | 8228 | 8336 | 8349 |
| 8350 | 8352 | 8353 | 8354 | 8355 | 8356 | 9107 | 9313 | 9463 | 9628 | 10022 | 10124 | 10305 | 10324 | 10449 |
| 10475 | 10773 | 10775 | 10805 | 10807 | 10812 | | | | | | | | | |

Lactate content (see Food characteristics)**Legal aspects (see Uses, miscellaneous commercial)****Life history**

| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 21 | 23 | 27 | 33 | 36 | 37 | 38 | 40 | 42 | 54 | 56 | 57 | 68 | 69 | 70 |
| 71 | 72 | 76 | 86 | 97 | 98 | 101 | 102 | 110 | 111 | 113 | 164 | 166 | 172 | 173 |

Life history (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 178 | 179 | 180 | 181 | 184 | 192 | 218 | 221 | 222 | 234 | 236 | 243 | 245 | 247 | 248 |
| 251 | 304 | 313 | 316 | 317 | 322 | 350 | 382 | 383 | 385 | 390 | 395 | 398 | 403 | 425 |
| 429 | 436 | 441 | 443 | 444 | 449 | 463 | 478 | 497 | 499 | 522 | 558 | 559 | 560 | 561 |
| 567 | 574 | 582 | 583 | 585 | 586 | 587 | 588 | 596 | 603 | 605 | 634 | 641 | 643 | 644 |
| 650 | 662 | 663 | 670 | 673 | 684 | 708 | 715 | 716 | 717 | 718 | 721 | 722 | 746 | 748 |
| 762 | 763 | 768 | 817 | 818 | 819 | 820 | 838 | 841 | 844 | 848 | 852 | 895 | 928 | 929 |
| 930 | 943 | 944 | 945 | 946 | 948 | 964 | 966 | 976 | 986 | 990 | 1012 | 1018 | 1020 | 1022 |
| 1023 | 1026 | 1027 | 1029 | 1030 | 1031 | 1037 | 1040 | 1041 | 1042 | 1058 | 1066 | 1072 | 1092 | 1095 |
| 1102 | 1131 | 1140 | 1141 | 1142 | 1144 | 1146 | 1150 | 1154 | 1160 | 1161 | 1163 | 1164 | 1167 | 1172 |
| 1177 | 1178 | 1181 | 1184 | 1185 | 1186 | 1187 | 1188 | 1190 | 1193 | 1200 | 1201 | 1202 | 1213 | 1215 |
| 1220 | 1224 | 1233 | 1236 | 1247 | 1252 | 1253 | 1254 | 1255 | 1256 | 1266 | 1267 | 1268 | 1278 | 1287 |
| 1292 | 1295 | 1297 | 1309 | 1311 | 1321 | 1322 | 1323 | 1339 | 1360 | 1364 | 1380 | 1381 | 1404 | 1405 |
| 1416 | 1417 | 1418 | 1426 | 1445 | 1464 | 1466 | 1471 | 1490 | 1493 | 1497 | 1500 | 1501 | 1502 | 1503 |
| 1504 | 1505 | 1512 | 1528 | 1531 | 1534 | 1542 | 1543 | 1544 | 1545 | 1551 | 1552 | 1571 | 1573 | 1580 |
| 1581 | 1582 | 1584 | 1586 | 1590 | 1592 | 1594 | 1598 | 1604 | 1606 | 1608 | 1609 | 1610 | 1618 | 1621 |
| 1622 | 1632 | 1637 | 1662 | 1666 | 1674 | 1675 | 1676 | 1677 | 1678 | 1679 | 1682 | 1683 | 1689 | 1691 |
| 1695 | 1697 | 1701 | 1702 | 1703 | 1707 | 1713 | 1722 | 1726 | 1727 | 1730 | 1731 | 1732 | 1733 | 1734 |
| 1736 | 1737 | 1753 | 1755 | 1756 | 1782 | 1783 | 1787 | 1788 | 1789 | 1790 | 1791 | 1792 | 1793 | 1794 |
| 1795 | 1796 | 1832 | 1833 | 1839 | 1840 | 1841 | 1842 | 1845 | 1880 | 1884 | 1885 | 1886 | 1913 | 1915 |
| 1940 | 1957 | 1976 | 1983 | 1985 | 1987 | 1991 | 1992 | 1993 | 1994 | 2018 | 2019 | 2020 | 2021 | 2022 |
| 2033 | 2035 | 2036 | 2078 | 2080 | 2082 | 2084 | 2088 | 2092 | 2093 | 2094 | 2098 | 2099 | 2100 | 2102 |
| 2103 | 2114 | 2125 | 2131 | 2132 | 2133 | 2136 | 2143 | 2144 | 2145 | 2149 | 2160 | 2161 | 2162 | 2164 |
| 2165 | 2166 | 2169 | 2170 | 2173 | 2175 | 2177 | 2178 | 2184 | 2185 | 2187 | 2188 | 2190 | 2191 | 2195 |
| 2200 | 2201 | 2206 | 2208 | 2209 | 2213 | 2216 | 2217 | 2235 | 2236 | 2246 | 2257 | 2263 | 2264 | 2280 |
| 2286 | 2305 | 2307 | 2311 | 2322 | 2323 | 2324 | 2330 | 2335 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 |
| 2357 | 2360 | 2361 | 2396 | 2402 | 2425 | 2431 | 2433 | 2442 | 2444 | 2445 | 2447 | 2448 | 2465 | 2466 |
| 2474 | 2475 | 2478 | 2479 | 2491 | 2493 | 2539 | 2542 | 2544 | 2546 | 2553 | 2555 | 2570 | 2574 | 2575 |
| 2578 | 2643 | 2648 | 2652 | 2653 | 2664 | 2667 | 2676 | 2684 | 2685 | 2688 | 2695 | 2740 | 2764 | 2798 |
| 2799 | 2802 | 2804 | 2805 | 2806 | 2808 | 2811 | 2815 | 2819 | 2823 | 2835 | 2837 | 2838 | 2852 | 2865 |
| 2880 | 2881 | 2885 | 2892 | 2905 | 2907 | 2916 | 2917 | 2923 | 2949 | 2979 | 2989 | 3071 | 3100 | 3102 |
| 3103 | 3116 | 3132 | 3137 | 3141 | 3147 | 3148 | 3149 | 3150 | 3152 | 3169 | 3175 | 3183 | 3215 | 3216 |
| 3234 | 3235 | 3236 | 3237 | 3242 | 3258 | 3261 | 3279 | 3294 | 3314 | 3341 | 3352 | 3353 | 3354 | 3382 |
| 3397 | 3398 | 3411 | 3434 | 3443 | 3444 | 3463 | 3470 | 3475 | 3487 | 3497 | 3528 | 3544 | 3546 | 3548 |
| 3551 | 3592 | 3594 | 3599 | 3603 | 3604 | 3605 | 3606 | 3617 | 3619 | 3625 | 3630 | 3659 | 3665 | 3685 |
| 3686 | 3691 | 3692 | 3707 | 3712 | 3718 | 3719 | 3731 | 3740 | 3741 | 3742 | 3743 | 3788 | 3789 | 3797 |
| 3799 | 3805 | 3828 | 3836 | 3838 | 3839 | 3848 | 3868 | 3877 | 3879 | 3915 | 3941 | 3946 | 3967 | 3969 |
| 3970 | 3973 | 3974 | 3985 | 3987 | 3988 | 4015 | 4024 | 4089 | 4101 | 4103 | 4107 | 4108 | 4111 | 4115 |
| 4122 | 4123 | 4128 | 4134 | 4136 | 4137 | 4139 | 4146 | 4156 | 4167 | 4168 | 4208 | 4246 | 4249 | 4250 |
| 4255 | 4258 | 4266 | 4288 | 4290 | 4295 | 4304 | 4341 | 4351 | 4359 | 4375 | 4383 | 4391 | 4405 | 4411 |
| 4413 | 4416 | 4417 | 4418 | 4419 | 4420 | 4421 | 4426 | 4430 | 4433 | 4434 | 4438 | 4446 | 4448 | 4457 |
| 4458 | 4461 | 4466 | 4467 | 4470 | 4472 | 4473 | 4474 | 4480 | 4492 | 4499 | 4508 | 4512 | 4514 | 4517 |
| 4519 | 4520 | 4523 | 4524 | 4536 | 4551 | 4552 | 4566 | 4570 | 4576 | 4587 | 4634 | 4642 | 4656 | 4664 |
| 4665 | 4666 | 4667 | 4682 | 4683 | 4684 | 4685 | 4691 | 4692 | 4693 | 4694 | 4695 | 4696 | 4708 | 4734 |
| 4761 | 4762 | 4763 | 4765 | 4769 | 4773 | 4774 | 4776 | 4777 | 4778 | 4779 | 4781 | 4782 | 4783 | 4784 |
| 4785 | 4786 | 4787 | 4789 | 4791 | 4792 | 4799 | 4801 | 4803 | 4804 | 4805 | 4807 | 4808 | 4814 | 4816 |
| 4817 | 4818 | 4819 | 4820 | 4821 | 4822 | 4823 | 4827 | 4836 | 4838 | 4847 | 4850 | 4879 | 4880 | 4883 |
| 4884 | 4918 | 4930 | 4931 | 4937 | 4939 | 4954 | 4958 | 4971 | 4994 | 4996 | 5008 | 5009 | 5010 | 5011 |
| 5012 | 5013 | 5014 | 5015 | 5017 | 5024 | 5030 | 5033 | 5034 | 5035 | 5038 | 5041 | 5043 | 5052 | 5058 |
| 5059 | 5060 | 5070 | 5077 | 5080 | 5090 | 5094 | 5098 | 5102 | 5103 | 5107 | 5109 | 5110 | 5115 | 5116 |
| 5117 | 5118 | 5128 | 5132 | 5135 | 5144 | 5145 | 5149 | 5187 | 5204 | 5222 | 5237 | 5273 | 5276 | 5281 |
| 5287 | 5293 | 5326 | 5352 | 5394 | 5400 | 5404 | 5423 | 5424 | 5500 | 5519 | 5521 | 5523 | 5529 | 5530 |

Light

| | | | | | | | | | | | | | | |
|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 38 | 77 | 139 | 147 | 178 | 179 | 261 | 485 | 530 | 549 | 696 | 697 | 789 | 1012 | 1192 |
| 1382 | 1398 | 1591 | 1632 | 1744 | 1803 | 2003 | 2116 | 2170 | 2205 | 2207 | 2329 | 2840 | 2966 | 3021 |
| 3026 | 3158 | 3325 | 3331 | 3332 | 3335 | 3390 | 3415 | 3452 | 3575 | 3577 | 3614 | 3748 | 3862 | 3863 |
| 3866 | 3867 | 3911 | 3913 | 4024 | 4027 | 4575 | 4820 | 4878 | 4997 | 5059 | 5073 | 5378 | 5400 | 5419 |
| 5430 | 5497 | 5571 | 6283 | 6448 | 6663 | 6671 | 6712 | 6869 | 6892 | 7003 | 7005 | 7007 | 7081 | 7415 |
| 7701 | 7702 | 7809 | 7887 | 8017 | 8030 | 8096 | 8305 | 8306 | 8307 | 8393 | 8394 | 8412 | 8413 | 8560 |
| 8561 | 8562 | 8609 | 8629 | 8631 | 9000 | 9001 | 9389 | 9455 | 9457 | 9458 | 9460 | 9564 | 9604 | 9726 |
| 9736 | 9841 | 9887 | 10015 | 10142 | 10143 | 10218 | 10259 | 10260 | 10279 | 10433 | 10583 | 10587 | 10911 | 10976 |
| 10998 | | | | | | | | | | | | | | |

Malformations (see Skeletal system, morphology)**Maps (see Art)****Marking techniques (see Life history)****Medical research (see also Nervous system, physiology, and Fluke parasites)**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 127 | 174 | 175 | 202 | 680 | 800 | 1090 | 1250 | 1771 | 1851 | 1969 | 2298 | 2300 | 2452 | 2453 |
| 2680 | 2766 | 2780 | 2785 | 2820 | 3493 | 3494 | 3502 | 3506 | 3665 | 3668 | 3698 | 3745 | 3779 | 3900 |
| 3940 | 3983 | 3984 | 4057 | 4720 | 4723 | 4906 | 4911 | 5050 | 5166 | 5189 | 5270 | 5443 | 5444 | 5445 |
| 5575 | 5831 | 5914 | 5915 | 6367 | 6537 | 6559 | 6575 | 6576 | 6577 | 6578 | 6579 | 6580 | 6581 | 6582 |
| 6583 | 6834 | 6857 | 6858 | 6859 | 6860 | 6929 | 7059 | 7133 | 7394 | 7395 | 7518 | 7680 | 7944 | 7970 |
| 8094 | 8165 | 8310 | 8360 | 8563 | 8844 | 9176 | 9394 | 9450 | 9516 | 9600 | 9745 | 9827 | 9939 | 9994 |
| 10050 | 10051 | 10167 | 10209 | 10214 | 10418 | 10459 | 10478 | 11005 | 11006 | 11007 | 11008 | | | |

Medicine, folk (see Mythology)**Metabolism**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14 | 68 | 69 | 77 | 79 | 146 | 147 | 201 | 202 | 208 | 261 | 437 | 560 | 563 | 564 |
| 565 | 597 | 600 | 601 | 606 | 671 | 672 | 696 | 697 | 698 | 722 | 723 | 801 | 803 | 919 |
| 920 | 972 | 973 | 976 | 997 | 1019 | 1071 | 1086 | 1103 | 1171 | 1208 | 1377 | 1386 | 1387 | 1388 |
| 1389 | 1390 | 1453 | 1454 | 1499 | 1534 | 1557 | 1597 | 1605 | 1608 | 1670 | 1671 | 1677 | 1678 | 1680 |
| 1681 | 1682 | 1683 | 1684 | 1686 | 1705 | 1707 | 1722 | 1727 | 1736 | 1737 | 1795 | 1850 | 1864 | 1891 |
| 1902 | 1928 | 1930 | 1933 | 2041 | 2104 | 2235 | 2236 | 2244 | 2246 | 2264 | 2270 | 2280 | 2319 | 2337 |
| 2364 | 2376 | 2437 | 2446 | 2470 | 2472 | 2473 | 2485 | 2486 | 2490 | 2494 | 2501 | 2512 | 2571 | 2580 |
| 2584 | 2590 | 2637 | 2719 | 2739 | 2751 | 2752 | 2753 | 2768 | 2807 | 2809 | 2810 | 2895 | 2896 | 2899 |
| 2903 | 2947 | 3153 | 3170 | 3171 | 3188 | 3219 | 3229 | 3234 | 3252 | 3282 | 3299 | 3305 | 3348 | 3372 |
| 3376 | 3377 | 3379 | 3400 | 3480 | 3491 | 3492 | 3500 | 3501 | 3507 | 3538 | 3539 | 3542 | 3561 | 3609 |
| 3621 | 3624 | 3657 | 3658 | 3659 | 3670 | 3710 | 3714 | 3721 | 3722 | 3723 | 3724 | 3725 | 3740 | 3742 |
| 3743 | 3778 | 3779 | 3781 | 3782 | 3783 | 3837 | 3838 | 3839 | 3860 | 3886 | 3892 | 4016 | 4017 | 4018 |
| 4036 | 4079 | 4120 | 4165 | 4166 | 4174 | 4181 | 4182 | 4198 | 4232 | 4240 | 4244 | 4258 | 4259 | 4260 |
| 4268 | 4269 | 4270 | 4274 | 4276 | 4292 | 4293 | 4299 | 4545 | 4672 | 4675 | 4679 | 4682 | 4684 | 4685 |
| 4751 | 4763 | 4871 | 4872 | 4944 | 4969 | 4981 | 4982 | 5050 | 5071 | 5097 | 5110 | 5142 | 5155 | 5160 |
| 5166 | 5167 | 5177 | 5180 | 5184 | 5193 | 5233 | 5234 | 5241 | 5242 | 5256 | 5264 | 5265 | 5266 | 5268 |
| 5269 | 5273 | 5274 | 5297 | 5325 | 5329 | 5334 | 5342 | 5345 | 5351 | 5387 | 5388 | 5406 | 5410 | 5411 |
| 5412 | 5413 | 5420 | 5425 | 5426 | 5459 | 5468 | 5469 | 5505 | 5601 | 5630 | 5637 | 5638 | 5641 | 5642 |
| 5645 | 5657 | 5669 | 5701 | 5704 | 5757 | 5778 | 5779 | 5835 | 5869 | 5883 | 5884 | 5950 | 5951 | 5952 |
| 5953 | 5954 | 5955 | 5956 | 6018 | 6020 | 6025 | 6051 | 6052 | 6200 | 6252 | 6253 | 6254 | 6255 | 6256 |
| 6258 | 6259 | 6261 | 6262 | 6296 | 6306 | 6307 | 6308 | 6309 | 6310 | 6312 | 6335 | 6359 | 6360 | 6369 |
| 6381 | 6393 | 6404 | 6410 | 6421 | 6427 | 6430 | 6431 | 6435 | 6455 | 6460 | 6463 | 6484 | 6511 | 6515 |
| 6528 | 6575 | 6576 | 6577 | 6578 | 6579 | 6601 | 6608 | 6618 | 6620 | 6621 | 6622 | 6623 | 6624 | 6627 |
| 6628 | 6629 | 6630 | 6639 | 6668 | 6669 | 6670 | 6671 | 6687 | 6691 | 6692 | 6740 | 6752 | 6753 | 6765 |
| 6778 | 6815 | 6864 | 6865 | 6988 | 7018 | 7032 | 7057 | 7101 | 7120 | 7140 | 7158 | 7165 | 7175 | 7176 |

Metabolism (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 7182 | 7212 | 7213 | 7243 | 7244 | 7267 | 7268 | 7324 | 7358 | 7366 | 7375 | 7376 | 7389 | 7390 | 7405 |
| 7432 | 7451 | 7459 | 7460 | 7590 | 7591 | 7630 | 7637 | 7647 | 7651 | 7687 | 7701 | 7829 | 7848 | 7853 |
| 7854 | 7856 | 7910 | 7918 | 7951 | 7957 | 7963 | 7996 | 7997 | 8052 | 8076 | 8077 | 8078 | 8108 | 8113 |
| 8153 | 8165 | 8248 | 8340 | 8391 | 8405 | 8428 | 8437 | 8488 | 8508 | 8527 | 8530 | 8542 | 8549 | 8571 |
| 8596 | 8625 | 8629 | 8630 | 8636 | 8677 | 8689 | 8701 | 8702 | 8725 | 8726 | 8735 | 8762 | 8763 | 8772 |
| 8777 | 8790 | 8792 | 8795 | 8796 | 8802 | 8860 | 8863 | 8864 | 8865 | 8866 | 8867 | 8868 | 8877 | 8902 |
| 9010 | 9026 | 9029 | 9043 | 9084 | 9087 | 9115 | 9134 | 9135 | 9154 | 9155 | 9156 | 9160 | 9161 | 9163 |
| 9165 | 9170 | 9181 | 9192 | 9200 | 9205 | 9207 | 9208 | 9209 | 9210 | 9211 | 9212 | 9213 | 9214 | 9215 |
| 9216 | 9217 | 9223 | 9310 | 9411 | 9412 | 9436 | 9445 | 9446 | 9451 | 9499 | 9500 | 9501 | 9502 | 9503 |
| 9507 | 9600 | 9636 | 9638 | 9642 | 9664 | 9665 | 9686 | 9781 | 9783 | 9817 | 9818 | 9846 | 9848 | 9851 |
| 9873 | 9916 | 9922 | 9937 | 9961 | 9988 | 10048 | 10051 | 10055 | 10056 | 10058 | 10059 | 10060 | 10061 | 10062 |
| 10063 | 10064 | 10114 | 10129 | 10131 | 10132 | 10133 | 10147 | 10167 | 10192 | 10205 | 10223 | 10224 | 10247 | 10259 |
| 10261 | 10262 | 10263 | 10330 | 10331 | 10346 | 10366 | 10367 | 10456 | 10466 | 10489 | 10498 | 10501 | 10518 | 10521 |
| 10522 | 10563 | 10596 | 10645 | 10736 | 10754 | 10819 | 10850 | 10863 | 10877 | 10887 | 10889 | 10893 | 10898 | 10949 |
| 10989 | 10999 | 11002 | 11004 | 11111 | 11126 | 11127 | 11128 | 11129 | 11130 | 11131 | 11132 | 11146 | 11152 | 11156 |
| 11186 | 11187 | 11188 | 11189 | 11190 | 11191 | 11192 | 11193 | | | | | | | |

Metals, trace

| | | | | | | | | | | | | | | |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 56 | 57 | 58 | 105 | 156 | 188 | 204 | 205 | 206 | 207 | 329 | 340 | 342 | 347 | 355 |
| 356 | 358 | 359 | 360 | 361 | 366 | 367 | 388 | 389 | 403 | 468 | 501 | 582 | 709 | 846 |
| 936 | 936 | 948 | 1090 | 1103 | 1171 | 1217 | 1239 | 1387 | 1388 | 1389 | 1390 | 1391 | 1423 | 1424 |
| 1535 | 1613 | 1637 | 1685 | 1687 | 1689 | 1689 | 1693 | 1694 | 1694 | 1695 | 1696 | 1699 | 1703 | 1704 |
| 1705 | 1706 | 1708 | 1722 | 1728 | 1759 | 1797 | 1850 | 1927 | 1927 | 2491 | 2493 | 2494 | 2500 | 2554 |
| 2559 | 2660 | 2777 | 2778 | 2846 | 2948 | 3038 | 3059 | 3136 | 3234 | 3397 | 3524 | 3525 | 3526 | 3527 |
| 3538 | 3540 | 3604 | 3750 | 3822 | 3831 | 4155 | 4156 | 4167 | 4168 | 4168 | 4572 | 4575 | 4734 | 4734 |
| 4735 | 4735 | 4841 | 4862 | 4994 | 5025 | 5105 | 5168 | 5198 | 5199 | 5247 | 5346 | 5745 | 5937 | 5937 |
| 6109 | 6232 | 6233 | 6235 | 6244 | 6245 | 6246 | 6247 | 6330 | 6465 | 6546 | 6794 | 7047 | 7195 | 7246 |
| 7248 | 7248 | 7387 | 7468 | 7665 | 7821 | 7842 | 7975 | 8323 | 8509 | 8748 | 8751 | 8873 | 8968 | 9218 |
| 9258 | 9468 | 9745 | 9747 | 10038 | 10173 | 10236 | 10257 | 10640 | 10849 | 10927 | | | | |

Microwaves (see Radioecology)**Migrations**

| | | | | | | | | | | | | | | |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 100 | 211 | 214 | 382 | 643 | 741 | 766 | 770 | 771 | 772 | 855 | 1021 | 1030 | 1052 | 1133 |
| 1145 | 1150 | 1154 | 1251 | 1288 | 1291 | 1359 | 1601 | 1631 | 1976 | 2086 | 2099 | 2103 | 2169 | 2216 |
| 2398 | 2478 | 2838 | 2917 | 3129 | 3149 | 3150 | 3242 | 3243 | 3287 | 3314 | 3444 | 3685 | 3758 | 3957 |
| 3980 | 4004 | 4214 | 4250 | 4255 | 4295 | 4351 | 4385 | 4386 | 4387 | 4390 | 4398 | 4415 | 4422 | 4427 |
| 4442 | 4446 | 4461 | 4466 | 4467 | 4475 | 4482 | 4500 | 4503 | 4514 | 4522 | 4525 | 4529 | 4808 | 5041 |
| 5144 | 5292 | 5529 | 5539 | 5543 | 5547 | 5572 | 5786 | 5894 | 6347 | 6757 | 6898 | 6900 | 6915 | 7004 |
| 7431 | 7492 | 7494 | 7594 | 7701 | 7739 | 7773 | 7812 | 7861 | 7864 | 7878 | 8272 | 8278 | 8286 | 8349 |
| 8351 | 8413 | 8521 | 8675 | 8740 | 8817 | 8837 | 9095 | 9099 | 9106 | 9164 | 9259 | 9795 | 9796 | 9896 |
| 9955 | 9963 | 9965 | 10022 | 10187 | 10188 | 10191 | 10260 | 10449 | 10457 | 10492 | 10956 | 10996 | | |

Mite associations

4055 10295 10296 10297 10298 10299

Molting (see Life history)**Monographs**

| | | | | | | | | | | | | | | |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 222 | 1133 | 1164 | 1295 | 2083 | 2098 | 2162 | 3134 | 3244 | 3868 | 4347 | 4351 | 4847 | 5033 | 6645 |
| 7864 | 9491 | 10309 | 10310 | 10311 | 10314 | 10315 | 10316 | 10318 | 10320 | 10322 | 10323 | 10326 | 10327 | 10448 |
| 10450 | | | | | | | | | | | | | | |

Morphology (see Skeletal system, morphology)

Muscle wasting disease

666 753 6037 6750 8664

Musculature system, calcium

127 914 1115 1219 1231 1232 3801 4193 4194 4196 4200 4203 4204 4231 5163
 5172 5241 5473 5474 5503 5620 5644 6076 6077 6494 6499 6683 6842 6937 6939
 7243 7331 7452 7904 8244 8246 8250 8257 8259 8970 9539 9540 9851 9944 10082
 10083 10085 10178 10180 10247 10501 10875 10877 11097

Musculature system, morphology

119 134 145 222 236 256 272 395 503 507 508 511 602 611 613
 615 616 617 621 627 710 867 915 917 919 931 1003 1070 1226 1227
 1315 1362 1420 1488 1599 1745 1777 1877 2043 2047 2048 2052 2053 2054 2055
 2056 2057 2122 2302 2508 2523 2558 2581 2700 2701 2704 2705 2783 2982 3088
 3165 3166 3246 3271 3273 3364 3678 3679 3680 3681 3682 3846 3985 3986 4202
 4309 4847 4850 4964 4965 4966 4967 4968 4972 5229 5236 5309 5482 5485 5486
 5487 5488 5490 5491 5492 5493 5633 5634 5772 5773 5813 5923 6122 6181 6289
 6302 6355 6370 6371 6372 6427 6541 6651 6657 6763 6822 6831 6932 6941 7035
 7087 7104 7150 7223 7298 7327 7328 7330 7331 7560 7686 7896 7897 7927 8063
 8065 8151 8239 8400 8420 8486 8487 8530 8606 8700 8816 8885 8886 8890 8948
 8958 9101 9352 9537 9549 9569 9608 9722 9731 9769 9977 9997 10066 10068 10069
 10070 10071 10073 10075 10077 10078 10080 10081 10082 10083 10084 10085 10201 10245 10435
 10436 10541 10662 10677 10695 10847 10928 10929 10942 10959 11021 11023 11024 11047 11080
 11082 11083

Musculature system, physiology

2 15 50 57 62 88 105 125 126 127 133 134 135 136 143
 146 206 260 263 264 265 266 267 268 395 491 504 505 506 507
 508 509 510 512 513 514 517 518 519 520 521 537 547 598 608
 609 610 611 612 613 615 616 617 619 620 622 623 624 626 627
 628 629 630 679 690 710 759 760 761 791 795 801 803 822 868
 908 910 911 912 913 914 916 931 933 936 950 997 998 1002 1004
 1005 1012 1014 1016 1017 1070 1104 1111 1112 1113 1114 1115 1166 1205 1209
 1218 1225 1227 1228 1229 1230 1231 1232 1315 1322 1348 1354 1355 1356 1362
 1363 1373 1374 1393 1394 1435 1439 1455 1456 1457 1458 1459 1460 1478 1487
 1488 1495 1496 1499 1554 1555 1557 1597 1698 1723 1725 1727 1741 1746 1750
 1777 1778 1799 1800 1801 1804 1876 1879 1891 1902 1907 1920 1924 1944 1945
 1960 2010 2011 2012 2013 2015 2043 2044 2047 2049 2050 2052 2053 2055 2056
 2057 2120 2177 2238 2239 2240 2244 2247 2299 2300 2302 2316 2319 2321 2391
 2392 2393 2394 2468 2491 2493 2497 2498 2499 2500 2502 2507 2508 2523 2563
 2564 2581 2592 2594 2597 2599 2600 2601 2602 2603 2604 2607 2612 2613 2614
 2615 2616 2617 2618 2619 2620 2624 2625 2626 2627 2628 2630 2631 2632 2633
 2635 2636 2637 2638 2640 2641 2661 2662 2669 2697 2699 2700 2702 2703 2712
 2713 2714 2715 2716 2729 2730 2732 2766 2768 2773 2780 2784 2792 2793 2794
 2795 2796 2809 2810 2816 2842 2853 2855 2856 2857 2860 2862 2899 2900 2903
 2909 2910 2932 2944 2947 2950 2952 2975 2976 2981 2982 2984 2985 2990 2991
 2992 2993 2994 2995 2996 3000 3001 3002 3003 3004 3005 3006 3007 3008 3009
 3078 3080 3081 3082 3083 3084 3085 3086 3091 3093 3095 3146 3164 3167 3179
 3246 3247 3248 3249 3250 3252 3253 3293 3296 3300 3321 3323 3328 3331 3350
 3362 3365 3366 3367 3372 3377 3378 3383 3400 3517 3523 3526 3536 3553 3554
 3555 3556 3560 3561 3562 3570 3589 3606 3653 3654 3655 3656 3678 3679 3680
 3682 3683 3767 3768 3769 3784 3785 3801 3821 3823 3846 3874 3875 3912 3960

Musculature system, physiology (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3961 | 3984 | 4058 | 4076 | 4081 | 4082 | 4085 | 4096 | 4097 | 4157 | 4159 | 4161 | 4163 | 4184 | 4185 |
| 4186 | 4187 | 4188 | 4189 | 4190 | 4191 | 4192 | 4193 | 4194 | 4195 | 4196 | 4197 | 4198 | 4199 | 4200 |
| 4201 | 4202 | 4203 | 4204 | 4223 | 4230 | 4231 | 4252 | 4292 | 4293 | 4294 | 4306 | 4309 | 4319 | 4324 |
| 4330 | 4336 | 4337 | 4338 | 4340 | 4565 | 4659 | 4674 | 4676 | 4690 | 4713 | 4716 | 4717 | 4718 | 4724 |
| 4740 | 4741 | 4742 | 4808 | 4832 | 4833 | 4847 | 4850 | 4887 | 4890 | 4896 | 4897 | 4898 | 4909 | 4942 |
| 4943 | 5030 | 5053 | 5096 | 5152 | 5156 | 5157 | 5159 | 5163 | 5171 | 5172 | 5185 | 5190 | 5200 | 5201 |
| 5229 | 5230 | 5233 | 5234 | 5235 | 5238 | 5239 | 5240 | 5241 | 5242 | 5243 | 5244 | 5257 | 5258 | 5309 |
| 5312 | 5313 | 5314 | 5315 | 5321 | 5322 | 5323 | 5351 | 5377 | 5394 | 5395 | 5396 | 5397 | 5439 | 5473 |
| 5474 | 5478 | 5486 | 5488 | 5496 | 5503 | 5504 | 5580 | 5581 | 5582 | 5584 | 5587 | 5588 | 5592 | 5596 |
| 5597 | 5598 | 5603 | 5619 | 5620 | 5631 | 5633 | 5634 | 5635 | 5640 | 5644 | 5646 | 5658 | 5665 | 5679 |
| 5680 | 5705 | 5706 | 5773 | 5799 | 5803 | 5807 | 5811 | 5813 | 5814 | 5819 | 5864 | 5865 | 5884 | 5911 |
| 5912 | 5913 | 5921 | 5923 | 5930 | 5937 | 5953 | 5954 | 5956 | 5972 | 6026 | 6027 | 6030 | 6036 | 6040 |
| 6048 | 6049 | 6053 | 6075 | 6076 | 6077 | 6091 | 6098 | 6099 | 6100 | 6101 | 6102 | 6125 | 6167 | 6191 |
| 6208 | 6247 | 6248 | 6251 | 6253 | 6267 | 6286 | 6287 | 6288 | 6289 | 6290 | 6291 | 6292 | 6293 | 6294 |
| 6295 | 6296 | 6335 | 6351 | 6370 | 6371 | 6372 | 6403 | 6408 | 6409 | 6416 | 6427 | 6428 | 6429 | 6430 |
| 6431 | 6486 | 6489 | 6490 | 6491 | 6492 | 6493 | 6494 | 6495 | 6496 | 6497 | 6498 | 6499 | 6506 | 6507 |
| 6515 | 6539 | 6572 | 6595 | 6601 | 6625 | 6626 | 6638 | 6639 | 6640 | 6642 | 6650 | 6651 | 6657 | 6658 |
| 6659 | 6677 | 6683 | 6691 | 6731 | 6754 | 6755 | 6803 | 6817 | 6823 | 6829 | 6842 | 6933 | 6935 | 6936 |
| 6937 | 6938 | 6939 | 6941 | 6974 | 6975 | 6976 | 7021 | 7022 | 7038 | 7087 | 7089 | 7090 | 7091 | 7092 |
| 7094 | 7095 | 7096 | 7097 | 7098 | 7102 | 7118 | 7142 | 7144 | 7150 | 7154 | 7155 | 7170 | 7196 | 7201 |
| 7242 | 7243 | 7244 | 7262 | 7263 | 7277 | 7298 | 7307 | 7329 | 7331 | 7357 | 7358 | 7386 | 7389 | 7401 |
| 7423 | 7425 | 7426 | 7427 | 7428 | 7441 | 7442 | 7443 | 7444 | 7445 | 7446 | 7447 | 7448 | 7449 | 7450 |
| 7451 | 7452 | 7453 | 7454 | 7455 | 7456 | 7458 | 7459 | 7460 | 7471 | 7472 | 7473 | 7474 | 7475 | 7476 |
| 7517 | 7523 | 7524 | 7525 | 7526 | 7527 | 7528 | 7530 | 7540 | 7541 | 7543 | 7545 | 7547 | 7548 | 7571 |
| 7572 | 7573 | 7574 | 7575 | 7576 | 7577 | 7578 | 7589 | 7650 | 7653 | 7654 | 7655 | 7656 | 7657 | 7660 |
| 7661 | 7662 | 7663 | 7670 | 7732 | 7835 | 7896 | 7897 | 7901 | 7904 | 7923 | 7924 | 7925 | 7926 | 7927 |
| 7928 | 7929 | 7930 | 7931 | 7932 | 7933 | 7934 | 7960 | 7970 | 7972 | 8042 | 8043 | 8056 | 8057 | 8065 |
| 8130 | 8132 | 8161 | 8162 | 8202 | 8221 | 8239 | 8243 | 8244 | 8245 | 8246 | 8247 | 8248 | 8249 | 8250 |
| 8251 | 8252 | 8253 | 8254 | 8255 | 8256 | 8257 | 8258 | 8259 | 8302 | 8321 | 8322 | 8363 | 8364 | 8365 |
| 8385 | 8391 | 8398 | 8400 | 8401 | 8413 | 8420 | 8425 | 8466 | 8488 | 8510 | 8511 | 8514 | 8530 | 8533 |
| 8547 | 8548 | 8577 | 8578 | 8579 | 8580 | 8581 | 8582 | 8583 | 8584 | 8585 | 8586 | 8606 | 8618 | 8631 |
| 8640 | 8647 | 8663 | 8729 | 8730 | 8741 | 8763 | 8791 | 8792 | 8793 | 8795 | 8796 | 8797 | 8798 | 8801 |
| 8813 | 8816 | 8821 | 8844 | 8883 | 8887 | 8890 | 8903 | 8904 | 8905 | 8906 | 8908 | 8909 | 8910 | 8911 |
| 8912 | 8913 | 8915 | 8916 | 8917 | 8920 | 8921 | 8922 | 8923 | 8924 | 8926 | 8927 | 8928 | 8929 | 8930 |
| 8931 | 8932 | 8933 | 8934 | 8939 | 8940 | 8941 | 8942 | 8958 | 8968 | 8970 | 9017 | 9024 | 9031 | 9049 |
| 9050 | 9051 | 9052 | 9053 | 9054 | 9071 | 9072 | 9074 | 9075 | 9076 | 9079 | 9086 | 9088 | 9090 | 9180 |
| 9182 | 9188 | 9223 | 9256 | 9257 | 9310 | 9364 | 9367 | 9368 | 9392 | 9398 | 9399 | 9400 | 9401 | 9402 |
| 9403 | 9405 | 9406 | 9409 | 9411 | 9412 | 9414 | 9415 | 9416 | 9510 | 9527 | 9528 | 9538 | 9539 | 9540 |
| 9543 | 9544 | 9546 | 9549 | 9550 | 9551 | 9552 | 9553 | 9602 | 9608 | 9609 | 9610 | 9626 | 9644 | 9645 |
| 9646 | 9647 | 9651 | 9663 | 9676 | 9679 | 9680 | 9681 | 9685 | 9687 | 9690 | 9693 | 9694 | 9695 | 9696 |
| 9697 | 9698 | 9699 | 9700 | 9701 | 9702 | 9703 | 9705 | 9706 | 9707 | 9708 | 9709 | 9710 | 9711 | 9712 |
| 9713 | 9714 | 9715 | 9716 | 9717 | 9718 | 9720 | 9721 | 9722 | 9723 | 9731 | 9754 | 9756 | 9765 | 9769 |
| 9770 | 9771 | 9772 | 9773 | 9814 | 9825 | 9826 | 9844 | 9845 | 9846 | 9847 | 9848 | 9849 | 9850 | 9851 |
| 9873 | 9904 | 9905 | 9916 | 9929 | 9941 | 9942 | 9943 | 9944 | 9945 | 9946 | 9976 | 9977 | 9995 | 9996 |
| 10001 | 10066 | 10067 | 10068 | 10069 | 10070 | 10071 | 10072 | 10073 | 10074 | 10075 | 10076 | 10077 | 10078 | 10079 |
| 10080 | 10081 | 10082 | 10083 | 10085 | 10106 | 10116 | 10123 | 10156 | 10174 | 10175 | 10176 | 10177 | 10178 | 10180 |
| 10181 | 10193 | 10194 | 10197 | 10198 | 10199 | 10200 | 10201 | 10202 | 10239 | 10242 | 10243 | 10244 | 10245 | 10247 |
| 10257 | 10260 | 10266 | 10282 | 10287 | 10292 | 10293 | 10366 | 10385 | 10398 | 10424 | 10434 | 10466 | 10479 | 10495 |
| 10501 | 10520 | 10521 | 10522 | 10580 | 10581 | 10587 | 10593 | 10595 | 10600 | 10601 | 10602 | 10658 | 10659 | 10677 |
| 10678 | 10679 | 10680 | 10681 | 10682 | 10683 | 10684 | 10686 | 10690 | 10691 | 10692 | 10694 | 10700 | 10701 | 10709 |
| 10714 | 10717 | 10718 | 10720 | 10722 | 10723 | 10725 | 10726 | 10728 | 10737 | 10738 | 10739 | 10740 | 10744 | 10776 |

Musculature system, physiology (cont.)

10778 10780 10786 10821 10822 10829 10833 10834 10836 10838 10839 10840 10841 10842 10844
 10845 10846 10850 10851 10871 10872 10873 10874 10875 10876 10877 10878 10880 10881 10894
 10928 10929 10944 10945 10946 10978 10995 11017 11019 11023 11034 11035 11036 11037 11038
 11039 11040 11041 11042 11043 11044 11045 11046 11047 11048 11049 11050 11051 11052 11053
 11054 11055 11056 11057 11058 11059 11060 11061 11062 11063 11064 11067 11068 11069 11070
 11071 11072 11073 11075 11076 11077 11078 11079 11080 11081 11082 11083 11084 11085 11086
 11087 11088 11089 11090 11091 11092 11093 11094 11095 11096 11097 11098 11099 11100 11101
 11102 11103 11104 11115 11116 11117 11118 11119 11120 11121 11122 11123 11163 11167 11168
 11169 11171 11172 11173 11174 11176 11179 11181 11182

Musculature system, reflexes

597 1070 1362 1944 2052 2853 2985 5190 5321 5579 5598 6048 7038 7095 7096
 7277 7307 7574 7575 7576 8162 8400 8816 8821 8930 9608 9996 10239 10679 10687
 10781 10821 10828 10830 10833 10834 10839

Music

43 398 1129 1316 1375 1510 1781 2312 2549 2677 5408 5650 5750 5977 6726
 8234 8634 8637 10035 10534 10785 10825 10858 10859

Mythology (see also Vernacular names)

137 200 220 222 273 274 275 276 277 278 279 280 281 502 554
 689 884 885 893 927 978 987 1129 1170 1320 1491 1647 1648 1929 1995
 2006 2429 2442 2518 2651 2658 2721 2797 2831 2832 2833 2878 2986 3199 3280
 3371 3469 3495 3496 3497 3499 3590 3600 3631 3706 3773 3774 3802 3843 3845
 3938 3975 3982 4023 4209 4220 4221 4225 4544 4580 4582 4697 5115 5116 5117
 5118 5187 5282 5650 5720 5771 5925 5942 5958 5991 6135 6220 6504 6505 6513
 6701 6942 6943 7044 7159 7394 7639 7841 7914 7915 7944 7964 8066 8089 8110
 8166 8167 8168 8188 8233 8270 8325 8397 8404 8471 8532 8557 8637 8727 8747
 9004 9109 9206 9333 9492 9630 9631 9632 9786 9982 10012 10246 10347 10418 10420
 10459 10637 10936

Names, vernacular (see Vernacular names)**Nematode associations**

1849 2096 6092 7534 8710 10270 10922

Nervous system, calcium

489 1219 1740 1813 1814 1819 1830 2244 2512 2620 2732 2965 2999 3305 3313
 3326 3335 3358 3413 4340 4890 4894 4921 4926 5405 5764 5769 6032 6243 7242
 7244 7322 7323 7474 7527 7648 7651 7658 7659 8433 8575 8576 8735 8736 8737
 8893 8894 9194 9257 9447 9506 9600 9634 9661 9744 9848 10504 10507 10657 10885
 11156 11173 11182 11183

Nervous system, chemicals, effects of

8 44 50 57 62 90 91 92 93 94 107 260 322 487 523
 537 546 597 598 674 675 676 679 680 779 795 835 898 938 1166
 1218 1240 1246 1270 1351 1369 1478 1562 1563 1567 1569 1570 1799 1813 1815
 1960 2269 2289 2295 2300 2374 2493 2507 2512 2550 2559 2598 2599 2600 2607
 2614 2618 2638 2697 2730 2731 2733 2772 2773 2782 2867 2874 2875 2898 2899
 2900 2962 2969 2991 2992 2995 2999 3000 3004 3007 3008 3009 3011 3086 3135
 3156 3160 3167 3209 3250 3297 3298 3300 3301 3350 3351 3359 3367 3401 3402
 3403 3502 3506 3510 3511 3512 3516 3517 3534 3569 3589 3720 3823 3860 3892
 4025 4026 4028 4058 4060 4061 4062 4063 4064 4067 4069 4070 4071 4073 4074
 4076 4077 4078 4080 4098 4145 4234 4252 4274 4296 4297 4298 4299 4300 4301

Nervous system, chemicals, effects of (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4302 | 4303 | 4307 | 4308 | 4340 | 4581 | 4659 | 4674 | 4686 | 4721 | 4722 | 4730 | 4738 | 4739 | 4862 |
| 4863 | 4866 | 4887 | 4893 | 4894 | 4895 | 4896 | 4897 | 4898 | 4899 | 4901 | 4902 | 4903 | 4904 | 4905 |
| 4909 | 4910 | 4922 | 4923 | 4924 | 4927 | 4943 | 5088 | 5153 | 5154 | 5155 | 5159 | 5160 | 5161 | 5162 |
| 5185 | 5200 | 5215 | 5220 | 5244 | 5288 | 5297 | 5594 | 5602 | 5604 | 5640 | 5678 | 5679 | 5695 | 5764 |
| 5768 | 5770 | 5791 | 5816 | 5845 | 5846 | 5864 | 5884 | 5886 | 5940 | 5970 | 5996 | 5997 | 5998 | 5999 |
| 6001 | 6002 | 6005 | 6023 | 6026 | 6027 | 6028 | 6029 | 6053 | 6091 | 6106 | 6130 | 6150 | 6166 | 6201 |
| 6202 | 6243 | 6249 | 6251 | 6351 | 6352 | 6417 | 6468 | 6567 | 6568 | 6594 | 6595 | 6704 | 6793 | 6938 |
| 7021 | 7066 | 7082 | 7083 | 7084 | 7085 | 7099 | 7102 | 7113 | 7123 | 7125 | 7142 | 7155 | 7164 | 7165 |
| 7166 | 7167 | 7168 | 7240 | 7242 | 7261 | 7262 | 7267 | 7268 | 7270 | 7271 | 7272 | 7273 | 7274 | 7275 |
| 7318 | 7319 | 7320 | 7321 | 7322 | 7323 | 7342 | 7357 | 7391 | 7424 | 7434 | 7440 | 7441 | 7445 | 7448 |
| 7468 | 7475 | 7476 | 7517 | 7524 | 7531 | 7532 | 7542 | 7543 | 7547 | 7548 | 7607 | 7647 | 7656 | 7663 |
| 7679 | 7689 | 7691 | 7706 | 7843 | 8040 | 8041 | 8042 | 8044 | 8107 | 8130 | 8131 | 8132 | 8133 | 8134 |
| 8153 | 8190 | 8249 | 8304 | 8425 | 8433 | 8466 | 8467 | 8468 | 8493 | 8494 | 8514 | 8548 | 8552 | 8575 |
| 8593 | 8594 | 8595 | 8596 | 8597 | 8628 | 8648 | 8649 | 8650 | 8651 | 8666 | 8703 | 8843 | 8844 | 8853 |
| 8889 | 8903 | 8906 | 8910 | 8911 | 8912 | 8913 | 8914 | 8916 | 8917 | 8918 | 8919 | 8920 | 8923 | 8925 |
| 8926 | 8927 | 8929 | 8931 | 8932 | 8933 | 8935 | 8936 | 8937 | 8938 | 8939 | 8940 | 8941 | 8942 | 8975 |
| 8976 | 8977 | 8978 | 8979 | 8982 | 8983 | 8984 | 8986 | 9066 | 9181 | 9228 | 9249 | 9257 | 9320 | 9321 |
| 9322 | 9323 | 9324 | 9325 | 9326 | 9327 | 9328 | 9329 | 9379 | 9380 | 9397 | 9413 | 9414 | 9415 | 9452 |
| 9454 | 9456 | 9457 | 9458 | 9459 | 9460 | 9461 | 9499 | 9500 | 9501 | 9502 | 9503 | 9505 | 9506 | 9507 |
| 9509 | 9527 | 9529 | 9606 | 9625 | 9626 | 9635 | 9636 | 9637 | 9638 | 9640 | 9641 | 9642 | 9661 | 9663 |
| 9684 | 9685 | 9688 | 9692 | 9697 | 9700 | 9716 | 9744 | 9745 | 9746 | 9747 | 9802 | 9803 | 9804 | 9814 |
| 9827 | 9906 | 9929 | 9940 | 10078 | 10175 | 10179 | 10180 | 10181 | 10192 | 10290 | 10414 | 10415 | 10416 | 10433 |
| 10462 | 10463 | 10470 | 10471 | 10472 | 10473 | 10477 | 10494 | 10502 | 10504 | 10505 | 10507 | 10511 | 10512 | 10517 |
| 10520 | 10574 | 10575 | 10576 | 10592 | 10593 | 10717 | 10718 | 10732 | 10734 | 10744 | 10777 | 10786 | 10862 | 10931 |
| 10932 | 10933 | 10943 | 10944 | 10948 | 10963 | 10966 | 10988 | 10989 | 10990 | 11017 | 11019 | 11071 | 11072 | 11073 |
| 11074 | 11087 | 11088 | 11089 | 11162 | | | | | | | | | | |

Nervous system, degeneration (see Nervous system, regeneration)**Nervous system, escape reflex (see Nervous system, neuromuscular functions)****Nervous system, facilitation (see Inhibition)****Nervous system, gamma amino benzoic acid (GABA)**

| | | | | | | | | | | | | | | |
|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|
| 60 | 62 | 92 | 95 | 539 | 1714 | 2057 | 2059 | 2368 | 2550 | 2625 | 2627 | 2628 | 2731 | 2990 |
| 2992 | 2993 | 2997 | 2998 | 2999 | 3002 | 3401 | 3580 | 3871 | 4058 | 4076 | 4274 | 4674 | 4690 | 5156 |
| 5157 | 5381 | 5602 | 5603 | 5604 | 5666 | 5679 | 6208 | 6567 | 6640 | 6975 | 7423 | 7425 | 7426 | 7427 |
| 7428 | 7521 | 8402 | 8933 | 9031 | 9181 | 9625 | 9626 | 9689 | 9693 | 9694 | 9697 | 9710 | 9713 | 9715 |
| 9718 | 9721 | 9904 | 9906 | 10440 | 10517 | | | | | | | | | |

Nervous system, glutamate

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 260 | 2391 | 2392 | 2393 | 2394 | 2611 | 2612 | 2613 | 3168 | 3247 | 3248 | 3251 | 3252 | 3253 | 3776 |
| 3779 | 3780 | 3782 | 3783 | 3947 | 4900 | 4903 | 5233 | 5234 | 5235 | 5606 | 6167 | 6168 | 6731 | 7422 |
| 7442 | 7445 | 7448 | 7449 | 8626 | 8904 | 8907 | 8910 | 8911 | 8912 | 8913 | 8917 | 8918 | 8921 | 8924 |
| 8928 | 8929 | 8930 | 8931 | 8932 | 8934 | 9411 | 9412 | 9415 | 9416 | 9698 | 9700 | 9702 | 9703 | 9705 |
| 9707 | 9754 | 9756 | 9845 | 9847 | 9848 | 9849 | 9850 | 9987 | 10135 | 10198 | 10412 | 10414 | 10415 | 10416 |
| 10465 | 10949 | 10980 | | | | | | | | | | | | |

Nervous system, inhibition

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11 | 49 | 61 | 90 | 91 | 92 | 94 | 95 | 265 | 553 | 619 | 622 | 629 | 632 | 791 |
| 1016 | 1392 | 1394 | 1966 | 2051 | 2055 | 2058 | 2059 | 2372 | 2463 | 2564 | 2565 | 2592 | 2594 | 2597 |
| 2600 | 2614 | 2615 | 2616 | 2630 | 2631 | 2632 | 2633 | 2638 | 2639 | 2697 | 2713 | 2717 | 2794 | 2795 |
| 2857 | 2867 | 2870 | 2873 | 2950 | 2962 | 2991 | 2992 | 2995 | 2996 | 3000 | 3001 | 3006 | 3163 | 3164 |
| 3272 | 3295 | 3321 | 3323 | 3569 | 3580 | 3781 | 3783 | 3823 | 4092 | 4093 | 4095 | 4289 | 4686 | 4716 |
| 4717 | 4731 | 4900 | 4902 | 4920 | 4975 | 4976 | 4977 | 4978 | 5157 | 5200 | 5312 | 5316 | 5378 | 5381 |

Nervous system, inhibition (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5461 | 5466 | 5467 | 5475 | 5587 | 5588 | 5594 | 5603 | 5617 | 5618 | 5666 | 5667 | 5680 | 5705 | 5774 |
| 5793 | 6010 | 6030 | 6096 | 6403 | 6416 | 6433 | 6521 | 6567 | 6568 | 6594 | 6704 | 6974 | 7097 | 7118 |
| 7148 | 7150 | 7175 | 7263 | 7332 | 7443 | 7445 | 7447 | 7472 | 7538 | 7539 | 7652 | 7656 | 7659 | 7660 |
| 7664 | 7721 | 7901 | 8199 | 8385 | 8395 | 8399 | 8742 | 8743 | 8744 | 8800 | 8807 | 8845 | 8846 | 8847 |
| 8848 | 8883 | 8906 | 8908 | 8912 | 8916 | 8917 | 8927 | 8928 | 8929 | 9074 | 9078 | 9081 | 9633 | 9634 |
| 9689 | 9690 | 9695 | 9712 | 9716 | 9717 | 9719 | 9754 | 9977 | 10053 | 10139 | 10175 | 10181 | 10198 | 10201 |
| 10291 | 10293 | 10432 | 10468 | 10515 | 10516 | 10517 | 10518 | 10680 | 10694 | 10697 | 10716 | 10723 | 10744 | 10751 |
| 10752 | 10832 | 10845 | 10882 | 10884 | 10885 | 11066 | 11074 | 11089 | 11171 | 11173 | 11175 | 11183 | | |

Nervous system, morphology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 142 | 143 | 144 | 145 | 150 | 182 | 222 | 229 | 230 | 231 | 232 | 272 | 285 | 395 |
| 472 | 515 | 516 | 549 | 550 | 614 | 615 | 616 | 617 | 621 | 623 | 625 | 627 | 729 | 730 |
| 745 | 746 | 806 | 829 | 833 | 871 | 875 | 899 | 903 | 931 | 941 | 956 | 1006 | 1008 | 1009 |
| 1013 | 1039 | 1070 | 1099 | 1100 | 1173 | 1210 | 1226 | 1260 | 1270 | 1299 | 1362 | 1429 | 1483 | 1484 |
| 1488 | 1569 | 1672 | 1761 | 1762 | 1763 | 1802 | 1811 | 1813 | 1819 | 1821 | 1828 | 1829 | 1830 | 1833 |
| 1875 | 1877 | 1892 | 1911 | 1912 | 1937 | 1955 | 1964 | 2047 | 2048 | 2051 | 2053 | 2055 | 2124 | 2215 |
| 2291 | 2304 | 2492 | 2508 | 2526 | 2532 | 2535 | 2572 | 2674 | 2675 | 2700 | 2737 | 2743 | 2744 | 2745 |
| 2746 | 2747 | 2748 | 2779 | 2781 | 2782 | 2783 | 2786 | 2791 | 2825 | 2839 | 2855 | 2959 | 2976 | 2983 |
| 3057 | 3058 | 3088 | 3092 | 3165 | 3166 | 3272 | 3286 | 3292 | 3303 | 3304 | 3306 | 3307 | 3309 | 3320 |
| 3362 | 3390 | 3392 | 3475 | 3489 | 3576 | 3610 | 3611 | 3615 | 3679 | 3680 | 3778 | 3818 | 3846 | 3847 |
| 3857 | 3858 | 3861 | 3862 | 3864 | 3865 | 3866 | 3867 | 3894 | 3896 | 3897 | 3925 | 3926 | 3929 | 3930 |
| 3931 | 3932 | 3945 | 4037 | 4119 | 4162 | 4175 | 4216 | 4286 | 4298 | 4299 | 4300 | 4309 | 4567 | 4585 |
| 4586 | 4678 | 4714 | 4808 | 4847 | 4850 | 4965 | 4984 | 5054 | 5195 | 5214 | 5228 | 5254 | 5260 | 5294 |
| 5295 | 5305 | 5309 | 5310 | 5317 | 5318 | 5371 | 5374 | 5379 | 5405 | 5415 | 5418 | 5461 | 5482 | 5485 |
| 5487 | 5489 | 5490 | 5492 | 5493 | 5502 | 5543 | 5551 | 5552 | 5553 | 5554 | 5581 | 5595 | 5607 | 5608 |
| 5609 | 5614 | 5616 | 5621 | 5622 | 5630 | 5662 | 5718 | 5719 | 5763 | 5766 | 5767 | 5768 | 5772 | 5773 |
| 5799 | 5806 | 5811 | 5815 | 5885 | 5886 | 5892 | 5897 | 5919 | 5923 | 5960 | 5961 | 5983 | 5984 | 5986 |
| 6079 | 6242 | 6355 | 6385 | 6407 | 6436 | 6487 | 6541 | 6544 | 6590 | 6596 | 6633 | 6651 | 6653 | 6657 |
| 6660 | 6672 | 6677 | 6706 | 6707 | 6711 | 6774 | 6830 | 6831 | 6930 | 6931 | 6941 | 6980 | 6981 | 6982 |
| 6983 | 6984 | 6985 | 7036 | 7045 | 7055 | 7086 | 7087 | 7089 | 7094 | 7095 | 7096 | 7114 | 7115 | 7116 |
| 7121 | 7146 | 7147 | 7149 | 7150 | 7151 | 7172 | 7173 | 7223 | 7224 | 7237 | 7241 | 7294 | 7295 | 7296 |
| 7297 | 7298 | 7299 | 7335 | 7336 | 7342 | 7369 | 7370 | 7371 | 7372 | 7404 | 7407 | 7408 | 7429 | 7461 |
| 7462 | 7463 | 7537 | 7556 | 7560 | 7562 | 7594 | 7610 | 7611 | 7612 | 7628 | 7634 | 7635 | 7684 | 7686 |
| 7690 | 7773 | 7781 | 7783 | 7784 | 7787 | 7788 | 7789 | 7791 | 7793 | 7794 | 7795 | 7834 | 7836 | 7843 |
| 7848 | 7890 | 7896 | 7909 | 7922 | 7938 | 7939 | 7978 | 7998 | 8002 | 8088 | 8104 | 8151 | 8198 | 8231 |
| 8240 | 8241 | 8400 | 8416 | 8417 | 8418 | 8483 | 8484 | 8491 | 8492 | 8530 | 8533 | 8608 | 8612 | 8615 |
| 8616 | 8623 | 8735 | 8781 | 8785 | 8786 | 8813 | 8816 | 8820 | 8870 | 8884 | 8914 | 8946 | 8947 | 8950 |
| 8951 | 8952 | 8953 | 8955 | 8956 | 8957 | 8958 | 8959 | 8960 | 8961 | 8981 | 8985 | 9013 | 9015 | 9021 |
| 9040 | 9041 | 9044 | 9063 | 9080 | 9081 | 9083 | 9148 | 9185 | 9186 | 9193 | 9229 | 9251 | 9449 | 9469 |
| 9593 | 9594 | 9595 | 9608 | 9644 | 9653 | 9668 | 9678 | 9704 | 9727 | 9750 | 9751 | 9752 | 9769 | 9775 |
| 9776 | 9785 | 9794 | 9861 | 9862 | 9863 | 9874 | 9910 | 9913 | 9921 | 9924 | 9925 | 9926 | 9927 | 9928 |
| 9930 | 9931 | 9932 | 9949 | 9951 | 9977 | 9997 | 9998 | 10002 | 10007 | 10128 | 10138 | 10166 | 10168 | 10184 |
| 10197 | 10200 | 10201 | 10245 | 10260 | 10353 | 10359 | 10360 | 10361 | 10362 | 10369 | 10370 | 10435 | 10436 | 10457 |
| 10468 | 10469 | 10485 | 10487 | 10488 | 10489 | 10519 | 10524 | 10525 | 10528 | 10530 | 10531 | 10532 | 10541 | 10583 |
| 10594 | 10660 | 10662 | 10677 | 10680 | 10685 | 10687 | 10692 | 10695 | 10696 | 10705 | 10706 | 10707 | 10715 | 10721 |
| 10725 | 10727 | 10731 | 10733 | 10741 | 10748 | 10761 | 10762 | 10763 | 10764 | 10776 | 10837 | 10839 | 10847 | 10852 |
| 10854 | 10895 | 10896 | 10911 | 10912 | 10947 | 10962 | 10979 | 11021 | 11022 | 11023 | 11024 | 11111 | 11112 | 11113 |
| 11125 | 11141 | 11149 | 11180 | | | | | | | | | | | |

Nervous system, nerve functions

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 9 | 10 | 11 | 12 | 13 | 44 | 45 | 50 | 57 | 62 | 107 | 142 | 143 | 165 | 208 |
| 228 | 261 | 262 | 266 | 267 | 395 | 487 | 489 | 493 | 521 | 523 | 527 | 531 | 544 | 556 |

Nervous system, nerve functions (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 557 | 597 | 598 | 614 | 616 | 618 | 625 | 631 | 633 | 680 | 711 | 712 | 725 | 730 | 759 |
| 777 | 780 | 781 | 782 | 784 | 785 | 789 | 790 | 792 | 797 | 815 | 828 | 834 | 835 | 836 |
| 837 | 889 | 898 | 921 | 931 | 933 | 956 | 957 | 967 | 968 | 996 | 997 | 998 | 1002 | 1004 |
| 1006 | 1007 | 1010 | 1013 | 1014 | 1015 | 1085 | 1100 | 1196 | 1197 | 1198 | 1199 | 1208 | 1270 | 1340 |
| 1345 | 1351 | 1361 | 1369 | 1373 | 1374 | 1383 | 1393 | 1397 | 1429 | 1434 | 1453 | 1474 | 1476 | 1477 |
| 1487 | 1488 | 1496 | 1514 | 1538 | 1562 | 1563 | 1564 | 1750 | 1751 | 1762 | 1763 | 1822 | 1855 | 1856 |
| 1857 | 1860 | 1862 | 1866 | 1876 | 1878 | 1892 | 1902 | 1920 | 1943 | 1944 | 1965 | 1967 | 2010 | 2049 |
| 2050 | 2121 | 2123 | 2177 | 2241 | 2242 | 2243 | 2269 | 2288 | 2289 | 2290 | 2292 | 2293 | 2294 | 2295 |
| 2300 | 2315 | 2316 | 2322 | 2331 | 2409 | 2463 | 2468 | 2505 | 2508 | 2512 | 2526 | 2541 | 2560 | 2563 |
| 2580 | 2589 | 2595 | 2604 | 2605 | 2606 | 2621 | 2622 | 2623 | 2634 | 2639 | 2665 | 2699 | 2711 | 2729 |
| 2735 | 2737 | 2772 | 2780 | 2781 | 2782 | 2783 | 2784 | 2792 | 2793 | 2796 | 2816 | 2817 | 2818 | 2854 |
| 2855 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2864 | 2865 | 2866 | 2867 | 2869 | 2871 | 2872 | 2873 |
| 2898 | 2930 | 2931 | 2932 | 2935 | 2936 | 2937 | 2938 | 2942 | 2943 | 2952 | 2958 | 2959 | 2960 | 2961 |
| 2962 | 2969 | 2975 | 2976 | 2977 | 2978 | 2997 | 2998 | 2999 | 3008 | 3061 | 3161 | 3168 | 3177 | 3178 |
| 3209 | 3227 | 3228 | 3252 | 3291 | 3313 | 3322 | 3328 | 3333 | 3361 | 3363 | 3365 | 3366 | 3377 | 3383 |
| 3395 | 3413 | 3423 | 3475 | 3485 | 3500 | 3505 | 3510 | 3513 | 3535 | 3536 | 3538 | 3542 | 3574 | 3576 |
| 3579 | 3652 | 3653 | 3654 | 3655 | 3656 | 3678 | 3720 | 3767 | 3768 | 3769 | 3770 | 3777 | 3778 | 3819 |
| 3820 | 3821 | 3823 | 3846 | 3892 | 3894 | 3897 | 3901 | 3911 | 3945 | 3947 | 3964 | 3966 | 4025 | 4028 |
| 4057 | 4081 | 4082 | 4083 | 4092 | 4093 | 4094 | 4117 | 4118 | 4119 | 4145 | 4157 | 4158 | 4160 | 4161 |
| 4163 | 4234 | 4257 | 4273 | 4274 | 4280 | 4286 | 4287 | 4289 | 4296 | 4297 | 4301 | 4302 | 4307 | 4320 |
| 4321 | 4322 | 4323 | 4325 | 4335 | 4586 | 4674 | 4677 | 4678 | 4712 | 4716 | 4717 | 4731 | 4736 | 4737 |
| 4831 | 4832 | 4847 | 4850 | 4863 | 4864 | 4866 | 4868 | 4869 | 4870 | 4873 | 4874 | 4875 | 4890 | 4904 |
| 4909 | 4910 | 4921 | 4923 | 4924 | 4925 | 4927 | 4940 | 4973 | 4974 | 4986 | 4987 | 4993 | 5053 | 5055 |
| 5085 | 5086 | 5087 | 5088 | 5152 | 5154 | 5155 | 5157 | 5159 | 5162 | 5183 | 5190 | 5191 | 5192 | 5195 |
| 5202 | 5215 | 5228 | 5252 | 5258 | 5294 | 5295 | 5296 | 5298 | 5301 | 5305 | 5306 | 5307 | 5308 | 5309 |
| 5313 | 5314 | 5317 | 5319 | 5320 | 5321 | 5322 | 5323 | 5325 | 5328 | 5377 | 5380 | 5393 | 5395 | 5398 |
| 5401 | 5442 | 5459 | 5460 | 5461 | 5462 | 5463 | 5464 | 5465 | 5466 | 5467 | 5468 | 5469 | 5470 | 5476 |
| 5480 | 5495 | 5543 | 5555 | 5556 | 5557 | 5559 | 5577 | 5578 | 5579 | 5580 | 5581 | 5583 | 5584 | 5585 |
| 5588 | 5589 | 5592 | 5593 | 5599 | 5604 | 5606 | 5614 | 5616 | 5617 | 5618 | 5621 | 5627 | 5630 | 5662 |
| 5673 | 5680 | 5681 | 5683 | 5697 | 5703 | 5707 | 5742 | 5751 | 5752 | 5764 | 5766 | 5768 | 5769 | 5774 |
| 5802 | 5803 | 5804 | 5806 | 5807 | 5809 | 5810 | 5811 | 5812 | 5813 | 5814 | 5818 | 5846 | 5864 | 5869 |
| 5883 | 5896 | 5913 | 5920 | 5921 | 5922 | 5961 | 5971 | 5994 | 5995 | 5996 | 5997 | 5998 | 5999 | 6000 |
| 6003 | 6004 | 6005 | 6012 | 6024 | 6031 | 6032 | 6041 | 6043 | 6044 | 6045 | 6046 | 6047 | 6048 | 6097 |
| 6099 | 6100 | 6103 | 6104 | 6105 | 6106 | 6186 | 6191 | 6201 | 6202 | 6267 | 6351 | 6386 | 6390 | 6391 |
| 6416 | 6432 | 6433 | 6437 | 6468 | 6469 | 6486 | 6540 | 6544 | 6601 | 6649 | 6654 | 6656 | 6659 | 6705 |
| 6707 | 6708 | 6724 | 6728 | 6759 | 6760 | 6940 | 6944 | 6958 | 7038 | 7046 | 7066 | 7069 | 7072 | 7073 |
| 7074 | 7075 | 7078 | 7082 | 7084 | 7086 | 7087 | 7088 | 7089 | 7090 | 7091 | 7093 | 7094 | 7095 | 7099 |
| 7100 | 7101 | 7117 | 7120 | 7121 | 7125 | 7126 | 7127 | 7128 | 7129 | 7130 | 7145 | 7164 | 7166 | 7167 |
| 7175 | 7177 | 7261 | 7262 | 7263 | 7273 | 7275 | 7318 | 7319 | 7320 | 7321 | 7325 | 7326 | 7342 | 7368 |
| 7370 | 7371 | 7373 | 7402 | 7434 | 7438 | 7449 | 7471 | 7473 | 7474 | 7539 | 7569 | 7574 | 7576 | 7584 |
| 7586 | 7587 | 7648 | 7649 | 7650 | 7651 | 7652 | 7655 | 7657 | 7658 | 7659 | 7660 | 7663 | 7664 | 7666 |
| 7676 | 7677 | 7678 | 7679 | 7684 | 7685 | 7689 | 7721 | 7733 | 7782 | 7786 | 7788 | 7789 | 7790 | 7791 |
| 7792 | 7793 | 7794 | 7795 | 7815 | 7848 | 7875 | 7889 | 7901 | 7917 | 7918 | 7935 | 7936 | 7937 | 7940 |
| 7941 | 7958 | 8003 | 8006 | 8007 | 8008 | 8009 | 8034 | 8035 | 8037 | 8039 | 8040 | 8045 | 8060 | 8107 |
| 8131 | 8133 | 8134 | 8152 | 8153 | 8154 | 8155 | 8156 | 8157 | 8158 | 8159 | 8160 | 8190 | 8198 | 8200 |
| 8201 | 8202 | 8265 | 8304 | 8398 | 8399 | 8400 | 8401 | 8425 | 8430 | 8467 | 8468 | 8489 | 8490 | 8511 |
| 8513 | 8533 | 8550 | 8552 | 8558 | 8559 | 8575 | 8592 | 8594 | 8595 | 8597 | 8608 | 8613 | 8614 | 8625 |
| 8626 | 8632 | 8648 | 8666 | 8702 | 8729 | 8730 | 8731 | 8780 | 8797 | 8798 | 8799 | 8806 | 8807 | 8813 |
| 8814 | 8815 | 8816 | 8820 | 8821 | 8822 | 8823 | 8843 | 8845 | 8846 | 8847 | 8848 | 8854 | 8877 | 8882 |
| 8884 | 8898 | 8899 | 8905 | 8909 | 8919 | 8922 | 8926 | 8938 | 8952 | 8953 | 8975 | 8976 | 8977 | 8978 |
| 8979 | 8980 | 8981 | 8982 | 8983 | 8984 | 8985 | 8986 | 8987 | 8988 | 8989 | 8990 | 8991 | 9000 | 9015 |

Nervous system, nerve functions (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9016 | 9021 | 9065 | 9070 | 9074 | 9079 | 9080 | 9082 | 9083 | 9084 | 9085 | 9086 | 9087 | 9089 | 9091 |
| 9092 | 9093 | 9177 | 9179 | 9182 | 9183 | 9184 | 9185 | 9188 | 9197 | 9228 | 9229 | 9230 | 9242 | 9243 |
| 9249 | 9250 | 9257 | 9316 | 9317 | 9319 | 9320 | 9321 | 9322 | 9323 | 9325 | 9326 | 9327 | 9328 | 9329 |
| 9363 | 9365 | 9366 | 9368 | 9369 | 9379 | 9397 | 9398 | 9399 | 9400 | 9401 | 9402 | 9403 | 9404 | 9406 |
| 9409 | 9410 | 9445 | 9474 | 9483 | 9484 | 9498 | 9499 | 9500 | 9501 | 9502 | 9503 | 9505 | 9506 | 9507 |
| 9508 | 9509 | 9514 | 9529 | 9543 | 9546 | 9547 | 9548 | 9555 | 9556 | 9557 | 9603 | 9625 | 9633 | 9635 |
| 9636 | 9637 | 9638 | 9639 | 9640 | 9641 | 9642 | 9661 | 9662 | 9670 | 9672 | 9675 | 9676 | 9678 | 9680 |
| 9682 | 9683 | 9684 | 9687 | 9688 | 9692 | 9696 | 9698 | 9699 | 9701 | 9704 | 9706 | 9707 | 9720 | 9728 |
| 9729 | 9730 | 9744 | 9746 | 9747 | 9755 | 9763 | 9764 | 9766 | 9770 | 9771 | 9772 | 9773 | 9778 | 9787 |
| 9788 | 9790 | 9793 | 9807 | 9808 | 9809 | 9810 | 9930 | 9934 | 9940 | 9949 | 9951 | 9954 | 9976 | 9977 |
| 9980 | 9992 | 9995 | 9996 | 9999 | 10004 | 10005 | 10006 | 10008 | 10106 | 10139 | 10146 | 10179 | 10184 | 10239 |
| 10260 | 10266 | 10290 | 10353 | 10385 | 10400 | 10415 | 10424 | 10432 | 10434 | 10445 | 10447 | 10462 | 10463 | 10464 |
| 10470 | 10472 | 10476 | 10488 | 10489 | 10495 | 10499 | 10500 | 10503 | 10506 | 10507 | 10508 | 10509 | 10510 | 10511 |
| 10512 | 10513 | 10514 | 10515 | 10516 | 10517 | 10520 | 10574 | 10576 | 10594 | 10600 | 10601 | 10602 | 10678 | 10681 |
| 10682 | 10683 | 10684 | 10685 | 10686 | 10687 | 10690 | 10691 | 10692 | 10693 | 10694 | 10699 | 10700 | 10701 | 10702 |
| 10703 | 10704 | 10707 | 10708 | 10709 | 10711 | 10712 | 10714 | 10715 | 10724 | 10728 | 10729 | 10730 | 10733 | 10735 |
| 10736 | 10737 | 10738 | 10743 | 10751 | 10752 | 10761 | 10764 | 10777 | 10779 | 10780 | 10781 | 10821 | 10822 | 10829 |
| 10831 | 10832 | 10835 | 10836 | 10838 | 10842 | 10843 | 10844 | 10846 | 10847 | 10848 | 10854 | 10880 | 10885 | 10890 |
| 10893 | 10910 | 10931 | 10932 | 10933 | 10943 | 10945 | 10958 | 10963 | 10966 | 10967 | 10973 | 10990 | 10991 | 10992 |
| 10993 | 10994 | 10995 | 11026 | 11027 | 11066 | 11072 | 11107 | 11111 | 11167 | 11168 | 11171 | 11175 | 11177 | 11180 |
| 11182 | 11183 | | | | | | | | | | | | | |

Nervous system, neuromuscular functions

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 49 | 136 | 144 | 264 | 265 | 491 | 521 | 609 | 611 | 615 | 620 | 626 | 629 | 726 | 792 |
| 797 | 823 | 880 | 908 | 933 | 998 | 1016 | 1166 | 1218 | 1246 | 1362 | 1363 | 1373 | 1392 | 1393 |
| 1394 | 1429 | 1487 | 1750 | 1866 | 1878 | 1920 | 1944 | 1960 | 2010 | 2047 | 2052 | 2053 | 2238 | 2239 |
| 2240 | 2391 | 2394 | 2468 | 2507 | 2561 | 2563 | 2564 | 2566 | 2567 | 2568 | 2591 | 2592 | 2593 | 2599 |
| 2600 | 2602 | 2605 | 2606 | 2607 | 2609 | 2611 | 2619 | 2620 | 2621 | 2622 | 2625 | 2629 | 2630 | 2631 |
| 2634 | 2636 | 2638 | 2697 | 2712 | 2735 | 2773 | 2791 | 2794 | 2795 | 2796 | 2816 | 2817 | 2818 | 2853 |
| 2856 | 2862 | 2871 | 2899 | 2900 | 2933 | 2982 | 2991 | 2992 | 2993 | 2995 | 2999 | 3002 | 3004 | 3081 |
| 3082 | 3083 | 3084 | 3085 | 3086 | 3167 | 3253 | 3297 | 3298 | 3300 | 3301 | 3365 | 3366 | 3367 | 3554 |
| 3555 | 3579 | 3679 | 3680 | 3776 | 3784 | 3960 | 3961 | 4065 | 4066 | 4078 | 4085 | 4095 | 4308 | 4322 |
| 4332 | 4336 | 4337 | 4338 | 4565 | 4690 | 4716 | 4717 | 4752 | 4754 | 4831 | 4833 | 4899 | 4900 | 4902 |
| 4903 | 4904 | 4905 | 4942 | 4943 | 4965 | 5152 | 5157 | 5159 | 5191 | 5192 | 5200 | 5234 | 5235 | 5244 |
| 5252 | 5283 | 5315 | 5393 | 5396 | 5480 | 5517 | 5578 | 5582 | 5589 | 5593 | 5596 | 5597 | 5598 | 5600 |
| 5706 | 5725 | 5772 | 5773 | 5793 | 5803 | 5807 | 5912 | 5923 | 5940 | 6031 | 6091 | 6098 | 6167 | 6168 |
| 6191 | 6267 | 6417 | 6507 | 6723 | 6822 | 6933 | 6944 | 7177 | 7242 | 7244 | 7262 | 7263 | 7441 | 7471 |
| 7472 | 7473 | 7474 | 7475 | 7476 | 7570 | 7571 | 7572 | 7573 | 7577 | 7578 | 7589 | 7653 | 7657 | 7658 |
| 7661 | 7663 | 8130 | 8132 | 8134 | 8162 | 8202 | 8243 | 8321 | 8322 | 8398 | 8399 | 8400 | 8401 | 8640 |
| 8647 | 8663 | 8729 | 8730 | 8731 | 8798 | 8816 | 8882 | 8883 | 8887 | 8889 | 8906 | 8911 | 8913 | 8914 |
| 8915 | 8916 | 8918 | 8920 | 8921 | 8922 | 8923 | 8924 | 8925 | 8928 | 8929 | 8931 | 8933 | 8934 | 8939 |
| 9071 | 9072 | 9075 | 9076 | 9079 | 9088 | 9090 | 9231 | 9249 | 9250 | 9256 | 9361 | 9364 | 9367 | 9398 |
| 9399 | 9400 | 9401 | 9402 | 9403 | 9405 | 9406 | 9416 | 9527 | 9528 | 9529 | 9544 | 9608 | 9609 | 9610 |
| 9669 | 9676 | 9677 | 9678 | 9680 | 9687 | 9690 | 9693 | 9694 | 9696 | 9697 | 9698 | 9699 | 9701 | 9702 |
| 9703 | 9706 | 9707 | 9712 | 9714 | 9716 | 9717 | 9720 | 9727 | 9754 | 9755 | 9769 | 9845 | 9847 | 9848 |
| 9849 | 9850 | 9977 | 9987 | 9995 | 10180 | 10197 | 10198 | 10199 | 10200 | 10201 | 10202 | 10239 | 10244 | 10245 |
| 10412 | 10415 | 10424 | 10434 | 10464 | 10465 | 10466 | 10520 | 10525 | 10600 | 10601 | 10602 | 10659 | 10679 | 10680 |
| 10681 | 10690 | 10691 | 10692 | 10695 | 10701 | 10709 | 10722 | 10725 | 10737 | 10778 | 10780 | 10781 | 10822 | 10828 |
| 10839 | 10841 | 10845 | 10846 | 10847 | 10880 | 10881 | 10882 | 10883 | 10885 | 10945 | 10980 | 11019 | 11021 | 11072 |
| 11073 | 11091 | 11167 | 11168 | 11169 | 11172 | 11173 | 11174 | 11175 | 11176 | 11178 | 11179 | 11180 | 11182 | |

Nervous system, neuromuscular junctions (see Nervous system, synapses)

Nervous system, physiology, general

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 8 | 9 | 10 | 11 | 12 | 13 | 40 | 44 | 45 | 46 | 49 | 50 | 57 | 60 | 61 |
| 62 | 90 | 91 | 92 | 93 | 94 | 95 | 107 | 136 | 139 | 142 | 143 | 144 | 160 | 165 |
| 182 | 208 | 226 | 228 | 233 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 395 |
| 442 | 472 | 481 | 487 | 489 | 491 | 492 | 493 | 521 | 523 | 524 | 527 | 529 | 530 | 531 |
| 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 546 | 547 | 549 |
| 550 | 551 | 553 | 556 | 557 | 597 | 598 | 599 | 609 | 614 | 615 | 616 | 617 | 618 | 619 |
| 620 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 674 | 675 |
| 676 | 677 | 678 | 679 | 685 | 696 | 697 | 698 | 703 | 711 | 712 | 716 | 725 | 726 | 730 |
| 759 | 760 | 761 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 |
| 789 | 791 | 792 | 795 | 796 | 797 | 806 | 811 | 812 | 813 | 814 | 815 | 822 | 823 | 828 |
| 834 | 835 | 836 | 837 | 874 | 875 | 880 | 889 | 892 | 898 | 899 | 900 | 901 | 902 | 903 |
| 908 | 921 | 931 | 933 | 938 | 941 | 956 | 957 | 967 | 968 | 996 | 997 | 998 | 1002 | 1004 |
| 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1060 | 1070 | 1085 |
| 1100 | 1166 | 1172 | 1184 | 1196 | 1197 | 1198 | 1199 | 1205 | 1208 | 1218 | 1219 | 1240 | 1246 | 1270 |
| 1340 | 1344 | 1345 | 1348 | 1351 | 1354 | 1355 | 1356 | 1361 | 1362 | 1363 | 1369 | 1372 | 1373 | 1374 |
| 1376 | 1382 | 1383 | 1392 | 1393 | 1394 | 1397 | 1398 | 1399 | 1429 | 1434 | 1435 | 1436 | 1437 | 1438 |
| 1439 | 1444 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1473 | 1474 | 1476 | 1477 | 1478 | 1487 | 1488 |
| 1494 | 1495 | 1496 | 1513 | 1514 | 1516 | 1517 | 1518 | 1519 | 1520 | 1521 | 1522 | 1538 | 1539 | 1540 |
| 1558 | 1559 | 1560 | 1561 | 1562 | 1563 | 1564 | 1566 | 1567 | 1569 | 1570 | 1625 | 1644 | 1660 | 1663 |
| 1714 | 1740 | 1741 | 1750 | 1751 | 1761 | 1769 | 1779 | 1799 | 1805 | 1806 | 1807 | 1808 | 1809 | 1810 |
| 1811 | 1812 | 1813 | 1814 | 1815 | 1816 | 1817 | 1818 | 1819 | 1820 | 1821 | 1822 | 1823 | 1824 | 1825 |
| 1826 | 1827 | 1829 | 1830 | 1855 | 1856 | 1857 | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1866 | 1874 |
| 1875 | 1876 | 1878 | 1879 | 1880 | 1892 | 1902 | 1907 | 1920 | 1926 | 1943 | 1944 | 1955 | 1960 | 1964 |
| 1965 | 1966 | 1967 | 1991 | 2004 | 2009 | 2010 | 2047 | 2049 | 2050 | 2052 | 2053 | 2055 | 2057 | 2058 |
| 2059 | 2078 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2118 | 2120 | 2121 | 2123 | 2177 | 2214 |
| 2215 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2269 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 |
| 2293 | 2294 | 2295 | 2300 | 2304 | 2315 | 2316 | 2318 | 2319 | 2322 | 2328 | 2329 | 2331 | 2362 | 2367 |
| 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2391 | 2392 | 2393 | 2394 | 2409 | 2412 | 2445 |
| 2463 | 2468 | 2493 | 2504 | 2505 | 2506 | 2507 | 2508 | 2512 | 2526 | 2532 | 2534 | 2541 | 2550 | 2559 |
| 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2572 | 2580 | 2589 | 2591 | 2592 | 2593 |
| 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2602 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 |
| 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2625 | 2627 | 2628 |
| 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2636 | 2637 | 2638 | 2639 | 2665 | 2674 | 2675 | 2697 | 2699 |
| 2700 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2728 | 2729 | 2730 | 2731 | 2732 |
| 2733 | 2734 | 2735 | 2737 | 2742 | 2743 | 2745 | 2746 | 2747 | 2748 | 2758 | 2761 | 2772 | 2773 | 2779 |
| 2780 | 2781 | 2783 | 2784 | 2785 | 2787 | 2791 | 2792 | 2793 | 2796 | 2816 | 2817 | 2818 | 2839 | 2840 |
| 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2864 | 2865 | 2866 | 2867 | 2868 |
| 2869 | 2871 | 2872 | 2873 | 2874 | 2875 | 2898 | 2899 | 2900 | 2904 | 2927 | 2928 | 2930 | 2931 | 2932 |
| 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2942 | 2943 | 2950 | 2952 | 2958 | 2959 | 2960 | 2961 | 2962 |
| 2963 | 2964 | 2965 | 2966 | 2969 | 2975 | 2976 | 2977 | 2978 | 2981 | 2982 | 2983 | 2984 | 2985 | 2990 |
| 2991 | 2992 | 2993 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 | 3001 | 3002 | 3003 | 3004 | 3006 | 3007 |
| 3008 | 3009 | 3011 | 3018 | 3021 | 3022 | 3024 | 3032 | 3033 | 3034 | 3036 | 3042 | 3044 | 3045 | 3048 |
| 3049 | 3050 | 3051 | 3052 | 3053 | 3054 | 3055 | 3056 | 3057 | 3060 | 3061 | 3062 | 3065 | 3068 | 3072 |
| 3078 | 3080 | 3081 | 3082 | 3083 | 3084 | 3085 | 3086 | 3089 | 3090 | 3091 | 3093 | 3094 | 3095 | 3135 |
| 3154 | 3155 | 3156 | 3157 | 3158 | 3159 | 3161 | 3162 | 3163 | 3164 | 3167 | 3168 | 3177 | 3178 | 3179 |
| 3209 | 3227 | 3228 | 3247 | 3251 | 3252 | 3253 | 3272 | 3277 | 3278 | 3291 | 3292 | 3293 | 3294 | 3295 |
| 3296 | 3297 | 3298 | 3300 | 3301 | 3302 | 3305 | 3306 | 3307 | 3308 | 3310 | 3313 | 3321 | 3322 | 3323 |
| 3325 | 3326 | 3327 | 3328 | 3329 | 3331 | 3332 | 3333 | 3335 | 3349 | 3350 | 3351 | 3358 | 3359 | 3361 |
| 3362 | 3363 | 3365 | 3366 | 3367 | 3377 | 3383 | 3390 | 3391 | 3392 | 3393 | 3394 | 3395 | 3401 | 3402 |
| 3403 | 3413 | 3414 | 3415 | 3423 | 3431 | 3452 | 3467 | 3475 | 3482 | 3485 | 3486 | 3489 | 3490 | 3491 |

Nervous system, physiology, general (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3492 | 3500 | 3501 | 3502 | 3504 | 3505 | 3506 | 3510 | 3511 | 3512 | 3513 | 3514 | 3515 | 3516 | 3517 |
| 3523 | 3534 | 3535 | 3536 | 3538 | 3542 | 3553 | 3554 | 3555 | 3562 | 3566 | 3567 | 3568 | 3569 | 3570 |
| 3571 | 3572 | 3573 | 3574 | 3575 | 3576 | 3577 | 3578 | 3579 | 3580 | 3589 | 3610 | 3612 | 3613 | 3614 |
| 3615 | 3650 | 3652 | 3653 | 3654 | 3655 | 3656 | 3662 | 3666 | 3668 | 3671 | 3678 | 3679 | 3680 | 3720 |
| 3767 | 3768 | 3769 | 3770 | 3776 | 3777 | 3778 | 3779 | 3780 | 3781 | 3782 | 3784 | 3800 | 3817 | 3818 |
| 3819 | 3820 | 3821 | 3823 | 3830 | 3846 | 3859 | 3860 | 3861 | 3862 | 3865 | 3867 | 3870 | 3871 | 3892 |
| 3894 | 3896 | 3897 | 3898 | 3911 | 3919 | 3929 | 3930 | 3931 | 3937 | 3945 | 3947 | 3960 | 3961 | 3963 |
| 3964 | 3965 | 3966 | 3976 | 3978 | 3984 | 4021 | 4025 | 4026 | 4027 | 4028 | 4057 | 4058 | 4059 | 4060 |
| 4061 | 4062 | 4063 | 4064 | 4065 | 4066 | 4067 | 4068 | 4069 | 4070 | 4071 | 4072 | 4073 | 4074 | 4075 |
| 4076 | 4077 | 4078 | 4079 | 4080 | 4081 | 4082 | 4083 | 4084 | 4085 | 4091 | 4092 | 4093 | 4094 | 4095 |
| 4098 | 4117 | 4118 | 4119 | 4145 | 4151 | 4157 | 4158 | 4159 | 4160 | 4161 | 4163 | 4217 | 4218 | 4219 |
| 4234 | 4235 | 4236 | 4237 | 4238 | 4239 | 4240 | 4241 | 4252 | 4257 | 4273 | 4274 | 4279 | 4280 | 4281 |
| 4285 | 4286 | 4287 | 4289 | 4296 | 4297 | 4298 | 4299 | 4300 | 4301 | 4302 | 4303 | 4305 | 4307 | 4308 |
| 4309 | 4319 | 4320 | 4321 | 4322 | 4323 | 4324 | 4325 | 4326 | 4327 | 4328 | 4329 | 4330 | 4331 | 4332 |
| 4333 | 4334 | 4335 | 4336 | 4337 | 4338 | 4340 | 4546 | 4547 | 4548 | 4549 | 4565 | 4581 | 4585 | 4586 |
| 4659 | 4674 | 4677 | 4681 | 4686 | 4690 | 4712 | 4713 | 4714 | 4715 | 4716 | 4717 | 4721 | 4722 | 4730 |
| 4731 | 4736 | 4737 | 4738 | 4739 | 4752 | 4753 | 4754 | 4808 | 4831 | 4832 | 4833 | 4847 | 4850 | 4862 |
| 4863 | 4864 | 4866 | 4867 | 4868 | 4869 | 4870 | 4873 | 4874 | 4875 | 4887 | 4890 | 4893 | 4894 | 4895 |
| 4897 | 4898 | 4899 | 4900 | 4901 | 4902 | 4903 | 4904 | 4905 | 4909 | 4910 | 4920 | 4922 | 4923 | 4924 |
| 4925 | 4926 | 4927 | 4940 | 4942 | 4943 | 4973 | 4974 | 4975 | 4976 | 4980 | 4981 | 4982 | 4985 | 4986 |
| 4987 | 4993 | 5021 | 5022 | 5030 | 5048 | 5049 | 5051 | 5053 | 5055 | 5085 | 5086 | 5087 | 5088 | 5147 |
| 5152 | 5153 | 5154 | 5155 | 5157 | 5159 | 5160 | 5161 | 5162 | 5164 | 5178 | 5179 | 5181 | 5183 | 5185 |
| 5190 | 5191 | 5192 | 5195 | 5200 | 5201 | 5202 | 5214 | 5215 | 5220 | 5221 | 5226 | 5233 | 5234 | 5235 |
| 5244 | 5252 | 5258 | 5268 | 5283 | 5288 | 5294 | 5295 | 5296 | 5297 | 5298 | 5300 | 5301 | 5302 | 5303 |
| 5304 | 5305 | 5306 | 5307 | 5308 | 5309 | 5311 | 5312 | 5313 | 5314 | 5315 | 5316 | 5317 | 5318 | 5319 |
| 5320 | 5321 | 5322 | 5323 | 5325 | 5328 | 5370 | 5371 | 5374 | 5377 | 5378 | 5379 | 5380 | 5381 | 5393 |
| 5394 | 5395 | 5396 | 5397 | 5398 | 5399 | 5400 | 5401 | 5402 | 5403 | 5404 | 5405 | 5416 | 5419 | 5422 |
| 5427 | 5442 | 5458 | 5459 | 5460 | 5461 | 5462 | 5463 | 5464 | 5465 | 5466 | 5467 | 5468 | 5469 | 5470 |
| 5471 | 5472 | 5475 | 5476 | 5478 | 5480 | 5488 | 5495 | 5496 | 5497 | 5498 | 5501 | 5502 | 5508 | 5517 |
| 5543 | 5551 | 5552 | 5553 | 5554 | 5555 | 5556 | 5557 | 5559 | 5577 | 5578 | 5579 | 5580 | 5581 | 5582 |
| 5583 | 5584 | 5585 | 5586 | 5587 | 5588 | 5589 | 5590 | 5591 | 5592 | 5593 | 5594 | 5595 | 5596 | 5597 |
| 5598 | 5599 | 5600 | 5602 | 5603 | 5606 | 5616 | 5617 | 5618 | 5621 | 5627 | 5630 | 5631 | 5635 | 5640 |
| 5658 | 5662 | 5665 | 5666 | 5667 | 5668 | 5670 | 5673 | 5678 | 5679 | 5680 | 5681 | 5683 | 5695 | 5697 |
| 5703 | 5705 | 5706 | 5707 | 5723 | 5724 | 5725 | 5742 | 5751 | 5752 | 5763 | 5764 | 5766 | 5768 | 5769 |
| 5770 | 5772 | 5773 | 5774 | 5782 | 5791 | 5793 | 5799 | 5800 | 5802 | 5803 | 5804 | 5806 | 5807 | 5809 |
| 5810 | 5811 | 5812 | 5813 | 5814 | 5815 | 5816 | 5818 | 5819 | 5820 | 5825 | 5826 | 5827 | 5845 | 5846 |
| 5860 | 5861 | 5862 | 5864 | 5869 | 5883 | 5884 | 5886 | 5896 | 5909 | 5912 | 5913 | 5919 | 5920 | 5921 |
| 5922 | 5923 | 5940 | 5960 | 5961 | 5965 | 5970 | 5971 | 5972 | 5984 | 5994 | 5995 | 5996 | 5997 | 5998 |
| 5999 | 6000 | 6001 | 6002 | 6003 | 6004 | 6005 | 6010 | 6011 | 6012 | 6023 | 6024 | 6026 | 6027 | 6028 |
| 6029 | 6030 | 6031 | 6032 | 6040 | 6041 | 6042 | 6043 | 6044 | 6045 | 6046 | 6047 | 6048 | 6049 | 6050 |
| 6053 | 6078 | 6079 | 6091 | 6095 | 6096 | 6097 | 6098 | 6099 | 6100 | 6103 | 6104 | 6105 | 6106 | 6125 |
| 6130 | 6150 | 6166 | 6167 | 6168 | 6191 | 6201 | 6202 | 6243 | 6248 | 6249 | 6250 | 6251 | 6267 | 6271 |
| 6351 | 6352 | 6386 | 6390 | 6391 | 6403 | 6408 | 6409 | 6416 | 6417 | 6420 | 6421 | 6432 | 6433 | 6434 |
| 6437 | 6455 | 6457 | 6467 | 6468 | 6469 | 6486 | 6488 | 6506 | 6507 | 6521 | 6522 | 6523 | 6540 | 6544 |
| 6567 | 6568 | 6572 | 6594 | 6595 | 6596 | 6601 | 6613 | 6615 | 6627 | 6640 | 6649 | 6650 | 6651 | 6652 |
| 6653 | 6654 | 6655 | 6656 | 6657 | 6658 | 6659 | 6667 | 6668 | 6672 | 6677 | 6703 | 6704 | 6705 | 6706 |
| 6707 | 6708 | 6711 | 6712 | 6723 | 6724 | 6727 | 6728 | 6729 | 6730 | 6754 | 6759 | 6760 | 6779 | 6793 |
| 6802 | 6803 | 6822 | 6829 | 6867 | 6868 | 6869 | 6933 | 6940 | 6941 | 6944 | 6958 | 6974 | 6975 | 6980 |
| 6981 | 6982 | 6983 | 6984 | 6985 | 6986 | 7020 | 7021 | 7022 | 7036 | 7038 | 7046 | 7064 | 7065 | 7066 |
| 7069 | 7070 | 7071 | 7072 | 7073 | 7074 | 7075 | 7076 | 7077 | 7078 | 7081 | 7082 | 7083 | 7084 | 7085 |
| 7086 | 7087 | 7088 | 7089 | 7090 | 7091 | 7092 | 7093 | 7094 | 7095 | 7096 | 7097 | 7098 | 7099 | 7100 |

Nervous system, physiology, general (cont.)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7101 | 7102 | 7113 | 7117 | 7118 | 7119 | 7120 | 7121 | 7123 | 7125 | 7126 | 7127 | 7128 | 7129 | 7130 |
| 7134 | 7141 | 7142 | 7143 | 7144 | 7145 | 7148 | 7150 | 7155 | 7164 | 7165 | 7166 | 7167 | 7168 | 7171 |
| 7175 | 7177 | 7196 | 7205 | 7240 | 7242 | 7244 | 7261 | 7262 | 7263 | 7267 | 7268 | 7270 | 7271 | 7272 |
| 7273 | 7274 | 7275 | 7276 | 7277 | 7297 | 7298 | 7307 | 7316 | 7318 | 7319 | 7320 | 7321 | 7322 | 7323 |
| 7325 | 7326 | 7332 | 7334 | 7342 | 7357 | 7368 | 7370 | 7371 | 7373 | 7391 | 7392 | 7399 | 7400 | 7401 |
| 7402 | 7403 | 7411 | 7412 | 7413 | 7414 | 7415 | 7416 | 7417 | 7418 | 7422 | 7423 | 7424 | 7425 | 7426 |
| 7427 | 7428 | 7434 | 7438 | 7440 | 7441 | 7442 | 7443 | 7445 | 7446 | 7447 | 7448 | 7449 | 7468 | 7471 |
| 7472 | 7473 | 7474 | 7475 | 7476 | 7517 | 7521 | 7523 | 7524 | 7525 | 7526 | 7527 | 7528 | 7529 | 7530 |
| 7532 | 7538 | 7539 | 7542 | 7543 | 7544 | 7545 | 7546 | 7547 | 7548 | 7549 | 7550 | 7551 | 7569 | 7570 |
| 7571 | 7572 | 7573 | 7574 | 7575 | 7576 | 7577 | 7578 | 7584 | 7585 | 7586 | 7587 | 7588 | 7589 | 7604 |
| 7605 | 7607 | 7610 | 7611 | 7612 | 7636 | 7637 | 7647 | 7648 | 7649 | 7650 | 7651 | 7652 | 7653 | 7655 |
| 7656 | 7657 | 7658 | 7659 | 7660 | 7661 | 7662 | 7663 | 7664 | 7666 | 7675 | 7676 | 7677 | 7678 | 7679 |
| 7684 | 7685 | 7689 | 7691 | 7696 | 7706 | 7721 | 7733 | 7782 | 7785 | 7786 | 7788 | 7789 | 7790 | 7791 |
| 7792 | 7793 | 7794 | 7795 | 7799 | 7809 | 7815 | 7835 | 7843 | 7848 | 7874 | 7875 | 7879 | 7881 | 7889 |
| 7896 | 7901 | 7917 | 7918 | 7935 | 7936 | 7937 | 7938 | 7939 | 7940 | 7941 | 7958 | 8001 | 8003 | 8006 |
| 8007 | 8008 | 8009 | 8015 | 8034 | 8035 | 8036 | 8037 | 8038 | 8039 | 8040 | 8041 | 8042 | 8043 | 8044 |
| 8045 | 8058 | 8059 | 8060 | 8083 | 8096 | 8105 | 8107 | 8114 | 8129 | 8130 | 8131 | 8132 | 8133 | 8134 |
| 8152 | 8153 | 8154 | 8155 | 8156 | 8157 | 8158 | 8159 | 8160 | 8162 | 8190 | 8198 | 8199 | 8200 | 8201 |
| 8202 | 8231 | 8240 | 8241 | 8243 | 8249 | 8252 | 8265 | 8304 | 8321 | 8322 | 8357 | 8363 | 8364 | 8365 |
| 8385 | 8391 | 8392 | 8393 | 8394 | 8395 | 8398 | 8399 | 8400 | 8401 | 8402 | 8413 | 8414 | 8425 | 8430 |
| 8432 | 8433 | 8437 | 8443 | 8466 | 8467 | 8468 | 8489 | 8490 | 8491 | 8493 | 8494 | 8511 | 8513 | 8514 |
| 8533 | 8548 | 8550 | 8552 | 8554 | 8558 | 8559 | 8575 | 8576 | 8592 | 8593 | 8594 | 8596 | 8597 | 8608 |
| 8609 | 8610 | 8613 | 8614 | 8616 | 8625 | 8626 | 8628 | 8631 | 8632 | 8640 | 8647 | 8648 | 8649 | 8650 |
| 8651 | 8663 | 8666 | 8702 | 8703 | 8715 | 8717 | 8718 | 8721 | 8729 | 8730 | 8731 | 8733 | 8735 | 8736 |
| 8737 | 8738 | 8742 | 8743 | 8744 | 8780 | 8789 | 8794 | 8795 | 8797 | 8798 | 8799 | 8800 | 8804 | 8805 |
| 8806 | 8807 | 8813 | 8814 | 8815 | 8816 | 8820 | 8821 | 8822 | 8823 | 8829 | 8843 | 8844 | 8845 | 8846 |
| 8847 | 8848 | 8853 | 8854 | 8869 | 8870 | 8877 | 8882 | 8883 | 8884 | 8887 | 8889 | 8891 | 8893 | 8894 |
| 8898 | 8899 | 8900 | 8901 | 8903 | 8904 | 8905 | 8906 | 8907 | 8908 | 8909 | 8910 | 8911 | 8912 | 8913 |
| 8914 | 8915 | 8916 | 8917 | 8918 | 8919 | 8920 | 8921 | 8922 | 8923 | 8924 | 8925 | 8926 | 8927 | 8928 |
| 8929 | 8930 | 8931 | 8932 | 8933 | 8934 | 8935 | 8936 | 8937 | 8938 | 8939 | 8940 | 8941 | 8942 | 8949 |
| 8951 | 8952 | 8953 | 8957 | 8958 | 8961 | 8975 | 8976 | 8977 | 8978 | 8979 | 8980 | 8981 | 8982 | 8983 |
| 8984 | 8985 | 8986 | 8987 | 8988 | 8989 | 8990 | 8991 | 9000 | 9001 | 9008 | 9009 | 9013 | 9015 | 9016 |
| 9017 | 9018 | 9021 | 9024 | 9031 | 9054 | 9065 | 9066 | 9070 | 9071 | 9072 | 9073 | 9074 | 9075 | 9076 |
| 9077 | 9078 | 9079 | 9080 | 9081 | 9082 | 9083 | 9084 | 9085 | 9086 | 9087 | 9088 | 9089 | 9090 | 9091 |
| 9092 | 9093 | 9113 | 9143 | 9148 | 9177 | 9178 | 9179 | 9180 | 9181 | 9182 | 9183 | 9184 | 9185 | 9188 |
| 9193 | 9194 | 9197 | 9225 | 9227 | 9228 | 9229 | 9230 | 9231 | 9242 | 9243 | 9249 | 9250 | 9256 | 9257 |
| 9316 | 9317 | 9319 | 9320 | 9321 | 9322 | 9323 | 9324 | 9325 | 9326 | 9327 | 9328 | 9329 | 9360 | 9361 |
| 9363 | 9364 | 9365 | 9366 | 9367 | 9368 | 9369 | 9379 | 9380 | 9385 | 9391 | 9392 | 9397 | 9398 | 9399 |
| 9400 | 9401 | 9402 | 9403 | 9404 | 9405 | 9406 | 9409 | 9410 | 9411 | 9412 | 9413 | 9414 | 9415 | 9416 |
| 9445 | 9446 | 9447 | 9448 | 9449 | 9450 | 9451 | 9452 | 9453 | 9454 | 9455 | 9456 | 9457 | 9458 | 9459 |
| 9460 | 9461 | 9471 | 9474 | 9483 | 9484 | 9498 | 9499 | 9500 | 9501 | 9502 | 9503 | 9505 | 9506 | 9507 |
| 9508 | 9509 | 9514 | 9527 | 9528 | 9529 | 9543 | 9544 | 9545 | 9546 | 9547 | 9548 | 9555 | 9556 | 9557 |
| 9599 | 9600 | 9601 | 9602 | 9603 | 9604 | 9605 | 9606 | 9607 | 9608 | 9609 | 9610 | 9625 | 9626 | 9633 |
| 9634 | 9635 | 9636 | 9637 | 9638 | 9639 | 9640 | 9641 | 9642 | 9643 | 9644 | 9645 | 9646 | 9651 | 9652 |
| 9653 | 9661 | 9662 | 9663 | 9666 | 9667 | 9668 | 9669 | 9670 | 9671 | 9672 | 9673 | 9674 | 9675 | 9676 |
| 9677 | 9678 | 9680 | 9682 | 9683 | 9684 | 9685 | 9686 | 9687 | 9688 | 9689 | 9690 | 9691 | 9692 | 9693 |
| 9694 | 9695 | 9696 | 9697 | 9698 | 9699 | 9700 | 9701 | 9702 | 9703 | 9704 | 9705 | 9706 | 9707 | 9710 |
| 9712 | 9713 | 9714 | 9715 | 9716 | 9717 | 9718 | 9719 | 9720 | 9727 | 9728 | 9729 | 9730 | 9744 | 9745 |
| 9746 | 9747 | 9748 | 9750 | 9754 | 9755 | 9756 | 9763 | 9764 | 9766 | 9769 | 9770 | 9771 | 9772 | 9773 |
| 9775 | 9777 | 9778 | 9785 | 9787 | 9788 | 9789 | 9790 | 9792 | 9793 | 9794 | 9802 | 9803 | 9804 | 9807 |
| 9808 | 9809 | 9810 | 9814 | 9827 | 9828 | 9845 | 9847 | 9848 | 9849 | 9850 | 9861 | 9873 | 9886 | 9904 |

Nervous system, physiology, general (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9906 | 9912 | 9918 | 9924 | 9925 | 9929 | 9930 | 9934 | 9940 | 9949 | 9950 | 9951 | 9954 | 9961 | 9976 |
| 9977 | 9980 | 9981 | 9987 | 9992 | 9993 | 9995 | 9996 | 9999 | 10002 | 10003 | 10004 | 10005 | 10006 | 10008 |
| 10052 | 10053 | 10055 | 10056 | 10078 | 10099 | 10102 | 10106 | 10135 | 10138 | 10139 | 10141 | 10142 | 10143 | 10146 |
| 10166 | 10167 | 10179 | 10180 | 10181 | 10184 | 10192 | 10193 | 10194 | 10196 | 10197 | 10198 | 10199 | 10200 | 10201 |
| 10202 | 10203 | 10207 | 10210 | 10211 | 10212 | 10213 | 10215 | 10216 | 10217 | 10235 | 10239 | 10242 | 10243 | 10244 |
| 10245 | 10260 | 10266 | 10290 | 10291 | 10292 | 10293 | 10294 | 10353 | 10359 | 10360 | 10361 | 10362 | 10369 | 10370 |
| 10385 | 10400 | 10412 | 10414 | 10415 | 10416 | 10424 | 10426 | 10427 | 10428 | 10431 | 10432 | 10433 | 10434 | 10435 |
| 10440 | 10445 | 10446 | 10447 | 10462 | 10463 | 10464 | 10465 | 10466 | 10468 | 10469 | 10470 | 10471 | 10472 | 10473 |
| 10476 | 10477 | 10479 | 10488 | 10489 | 10494 | 10495 | 10496 | 10499 | 10500 | 10502 | 10503 | 10504 | 10505 | 10506 |
| 10507 | 10508 | 10509 | 10510 | 10511 | 10512 | 10513 | 10514 | 10515 | 10516 | 10517 | 10518 | 10520 | 10521 | 10522 |
| 10523 | 10524 | 10525 | 10526 | 10527 | 10528 | 10529 | 10530 | 10531 | 10532 | 10574 | 10575 | 10576 | 10580 | 10581 |
| 10583 | 10586 | 10587 | 10590 | 10591 | 10592 | 10593 | 10594 | 10595 | 10600 | 10601 | 10602 | 10606 | 10657 | 10658 |
| 10659 | 10677 | 10678 | 10679 | 10680 | 10681 | 10682 | 10683 | 10684 | 10685 | 10686 | 10687 | 10690 | 10691 | 10692 |
| 10693 | 10694 | 10697 | 10698 | 10699 | 10700 | 10701 | 10702 | 10703 | 10704 | 10705 | 10707 | 10708 | 10709 | 10710 |
| 10711 | 10712 | 10713 | 10714 | 10716 | 10717 | 10718 | 10719 | 10720 | 10722 | 10723 | 10724 | 10725 | 10726 | 10728 |
| 10729 | 10730 | 10731 | 10732 | 10733 | 10734 | 10735 | 10736 | 10737 | 10738 | 10741 | 10742 | 10743 | 10744 | 10747 |
| 10748 | 10749 | 10750 | 10751 | 10752 | 10761 | 10762 | 10763 | 10764 | 10765 | 10766 | 10776 | 10777 | 10778 | 10779 |
| 10780 | 10781 | 10786 | 10821 | 10822 | 10828 | 10829 | 10830 | 10831 | 10832 | 10834 | 10835 | 10836 | 10837 | 10838 |
| 10839 | 10840 | 10841 | 10842 | 10843 | 10844 | 10845 | 10846 | 10847 | 10848 | 10851 | 10852 | 10853 | 10854 | 10862 |
| 10880 | 10881 | 10882 | 10883 | 10884 | 10885 | 10890 | 10893 | 10895 | 10896 | 10903 | 10910 | 10911 | 10912 | 10919 |
| 10920 | 10921 | 10931 | 10932 | 10933 | 10943 | 10944 | 10945 | 10948 | 10949 | 10958 | 10963 | 10964 | 10965 | 10966 |
| 10967 | 10973 | 10974 | 10975 | 10976 | 10977 | 10978 | 10980 | 10984 | 10988 | 10989 | 10990 | 10991 | 10992 | 10993 |
| 10994 | 10995 | 10998 | 11013 | 11017 | 11018 | 11019 | 11020 | 11021 | 11022 | 11023 | 11026 | 11027 | 11066 | 11071 |
| 11072 | 11073 | 11074 | 11087 | 11088 | 11089 | 11091 | 11107 | 11108 | 11109 | 11110 | 11111 | 11142 | 11153 | 11154 |
| 11156 | 11162 | 11166 | 11167 | 11168 | 11169 | 11170 | 11171 | 11172 | 11173 | 11174 | 11175 | 11176 | 11177 | 11178 |
| 11179 | 11180 | 11181 | 11182 | 11183 | | | | | | | | | | |

Nervous system, regeneration

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|
| 1005 | 1008 | 1011 | 1172 | 1907 | 2318 | 2791 | 4713 | 4714 | 4715 | 4831 | 4833 | 5590 | 6522 | 6523 |
| 6817 | 7297 | 8394 | 8829 | 8957 | 8958 | 8961 | 9483 | 9484 | 10242 | 10895 | 10896 | 10903 | 11141 | |

Nervous system, research techniques

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 322 | 524 | 533 | 628 | 630 | 696 | 697 | 711 | 712 | 761 | 1476 | 1483 | 1494 | 1495 | 1496 |
| 1559 | 1560 | 1816 | 1827 | 1926 | 2120 | 2288 | 2292 | 2293 | 2294 | 2374 | 2608 | 2710 | 2943 | 3154 |
| 3155 | 3331 | 3485 | 3505 | 4285 | 4286 | 4287 | 4328 | 4974 | 5164 | 5283 | 5418 | 5467 | 5471 | 5472 |
| 5480 | 5658 | 5972 | 5994 | 6248 | 6803 | 7237 | 7399 | 7651 | 7938 | 8006 | 8058 | 8059 | 8155 | 8231 |
| 8490 | 8547 | 8737 | 8806 | 8893 | 8894 | 8961 | 9143 | 9184 | 9369 | 9394 | 9453 | 9545 | 9601 | 9602 |
| 9605 | 9643 | 9770 | 9792 | 9928 | 9995 | 10055 | 10056 | 10196 | 10243 | 10446 | 10479 | 10514 | 10778 | 10838 |
| 10991 | 10993 | 10998 | 11170 | 11177 | | | | | | | | | | |

Nervous system, research devices (see Nervous system, research techniques)**Nervous system, sensory physiology (except Photoreceptors and Stretch receptors, q.v.)**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 45 | 46 | 160 | 182 | 263 | 264 | 268 | 481 | 492 | 529 | 534 | 599 | 760 | 796 | 806 |
| 811 | 812 | 813 | 814 | 815 | 874 | 875 | 892 | 1070 | 1429 | 1444 | 1455 | 1456 | 1457 | 1458 |
| 1459 | 1460 | 1488 | 1538 | 1539 | 1540 | 1644 | 1805 | 1806 | 1807 | 1808 | 1809 | 1810 | 1811 | 1812 |
| 1813 | 1814 | 1815 | 1817 | 1818 | 1819 | 1820 | 1823 | 1824 | 1825 | 1826 | 1827 | 1828 | 1829 | 1830 |
| 1861 | 1866 | 1874 | 1875 | 1879 | 1880 | 2009 | 2050 | 2291 | 2304 | 2316 | 2463 | 2506 | 2532 | 2572 |
| 2710 | 2733 | 2842 | 2864 | 2904 | 2933 | 2934 | 2981 | 2982 | 2983 | 3068 | 3093 | 3095 | 3154 | 3155 |
| 3277 | 3292 | 3294 | 3295 | 3296 | 3359 | 3391 | 3572 | 3573 | 3800 | 3817 | 3818 | 3830 | 3846 | 3929 |
| 3930 | 3931 | 3932 | 3976 | 4060 | 4061 | 4062 | 4063 | 4064 | 4067 | 4068 | 4069 | 4070 | 4071 | 4072 |
| 4073 | 4074 | 4075 | 4077 | 4079 | 4080 | 4091 | 4151 | 4160 | 4175 | 4216 | 4217 | 4218 | 4219 | 4279 |
| 4322 | 4323 | 4327 | 4328 | 4329 | 4331 | 4332 | 4333 | 4334 | 4336 | 4337 | 4338 | 4546 | 4547 | 4548 |

Nervous system, sensory physiology (except Photoreceptors and Stretch receptors, q.v.) (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4549 | 4585 | 5021 | 5214 | 5316 | 5370 | 5371 | 5374 | 5458 | 5464 | 5465 | 5470 | 5488 | 5551 | 5552 |
| 5553 | 5554 | 5618 | 5631 | 5670 | 5816 | 5819 | 5860 | 5861 | 5862 | 5885 | 5886 | 5909 | 5960 | 5984 |
| 6040 | 6042 | 6044 | 6045 | 6049 | 6050 | 6078 | 6079 | 6125 | 6130 | 6150 | 6186 | 6251 | 6408 | 6409 |
| 6455 | 6457 | 6467 | 6596 | 6649 | 6655 | 6728 | 6729 | 6730 | 6731 | 6754 | 6760 | 6980 | 6981 | 6982 |
| 6983 | 6984 | 6985 | 7036 | 7046 | 7086 | 7087 | 7089 | 7090 | 7091 | 7094 | 7095 | 7098 | 7126 | 7142 |
| 7143 | 7205 | 7297 | 7307 | 7413 | 7445 | 7544 | 7546 | 7549 | 7550 | 7551 | 7577 | 7578 | 7604 | 7605 |
| 7675 | 7679 | 7733 | 7795 | 7896 | 7917 | 8001 | 8036 | 8199 | 8357 | 8613 | 8614 | 8616 | 8715 | 8717 |
| 8718 | 8721 | 8733 | 8887 | 8899 | 9008 | 9009 | 9015 | 9016 | 9017 | 9018 | 9054 | 9177 | 9231 | 9360 |
| 9361 | 9404 | 9471 | 9483 | 9484 | 9547 | 9548 | 9643 | 9644 | 9666 | 9668 | 9673 | 9674 | 9676 | 9680 |
| 9697 | 9748 | 9764 | 9769 | 9775 | 9777 | 9787 | 9789 | 9793 | 9794 | 9828 | 9861 | 9910 | 9912 | 9913 |
| 9924 | 9925 | 9928 | 9950 | 10003 | 10142 | 10143 | 10210 | 10211 | 10212 | 10235 | 10293 | 10369 | 10370 | 10435 |
| 10436 | 10494 | 10606 | 10660 | 10684 | 10703 | 10704 | 10713 | 10718 | 10724 | 10729 | 10734 | 10738 | 10747 | 10748 |
| 10749 | 10750 | 10764 | 10766 | 11018 | 11020 | 11107 | 11108 | 11109 | 11110 | 11153 | | | | |

Nervous system, stretch receptors

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 60 | 93 | 95 | 679 | 791 | 1348 | 1354 | 1355 | 1356 | 1435 | 1436 | 1437 | 1438 | 1439 | 1473 |
| 1474 | 1494 | 1495 | 1496 | 1714 | 1740 | 1741 | 1779 | 2287 | 2367 | 2368 | 2369 | 2370 | 2371 | 2373 |
| 2374 | 2412 | 2504 | 2550 | 2714 | 2715 | 2716 | 2717 | 2718 | 2728 | 2730 | 2732 | 2825 | 2865 | 2866 |
| 2867 | 2868 | 2870 | 2875 | 2984 | 3072 | 3078 | 3088 | 3089 | 3090 | 3091 | 3092 | 3094 | 3095 | 3161 |
| 3162 | 3166 | 3179 | 3295 | 3300 | 3358 | 3359 | 3501 | 3502 | 3504 | 3506 | 3523 | 3534 | 3720 | 3818 |
| 3819 | 3820 | 3830 | 3871 | 4021 | 4159 | 4303 | 4309 | 4328 | 4581 | 4867 | 4873 | 4874 | 4875 | 4901 |
| 4920 | 4973 | 4974 | 4975 | 4976 | 4977 | 4978 | 5048 | 5049 | 5201 | 5405 | 5427 | 5470 | 5488 | 5517 |
| 5602 | 5603 | 5665 | 5668 | 6011 | 6023 | 6053 | 6436 | 6567 | 6595 | 6596 | 6667 | 6727 | 6802 | 7020 |
| 7022 | 7055 | 7141 | 7143 | 7144 | 7145 | 7147 | 7148 | 7149 | 7151 | 7240 | 7261 | 7276 | 7277 | 7357 |
| 7440 | 7523 | 7527 | 7531 | 7532 | 7607 | 7690 | 7691 | 7706 | 7834 | 7835 | 8363 | 8364 | 8365 | 8414 |
| 8548 | 8804 | 8805 | 8845 | 8846 | 8847 | 8848 | 8987 | 8988 | 9031 | 9178 | 9179 | 9180 | 9181 | 9242 |
| 9243 | 9397 | 9645 | 9646 | 9651 | 9652 | 9750 | 9751 | 9752 | 9802 | 10052 | 10141 | 10193 | 10194 | 10292 |
| 10294 | 10495 | 10575 | 10576 | 10595 | 10606 | 10717 | 10727 | 10851 | 10862 | | | | | |

Nervous system, synapses

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44 | 49 | 50 | 61 | 90 | 91 | 94 | 136 | 493 | 615 | 617 | 622 | 623 | 624 | 627 |
| 630 | 632 | 795 | 822 | 823 | 908 | 933 | 1009 | 1010 | 1219 | 1362 | 1372 | 1392 | 1394 | 1429 |
| 1569 | 1570 | 1672 | 1751 | 1911 | 2047 | 2053 | 2055 | 2123 | 2369 | 2370 | 2371 | 2372 | 2373 | 2504 |
| 2561 | 2562 | 2565 | 2567 | 2568 | 2591 | 2592 | 2593 | 2594 | 2596 | 2597 | 2602 | 2610 | 2611 | 2612 |
| 2613 | 2614 | 2616 | 2618 | 2619 | 2621 | 2623 | 2625 | 2629 | 2632 | 2633 | 2637 | 2697 | 2700 | 2853 |
| 2857 | 2859 | 2867 | 2868 | 2871 | 2899 | 2900 | 2935 | 2978 | 2992 | 2993 | 2996 | 3003 | 3006 | 3007 |
| 3008 | 3082 | 3084 | 3085 | 3086 | 3165 | 3248 | 3272 | 3293 | 3296 | 3297 | 3298 | 3301 | 3321 | 3323 |
| 3361 | 3362 | 3363 | 3366 | 3367 | 3393 | 3395 | 3510 | 3513 | 3514 | 3515 | 3516 | 3517 | 3580 | 3678 |
| 3857 | 3870 | 3871 | 3897 | 3925 | 3926 | 3965 | 4059 | 4083 | 4084 | 4235 | 4305 | 4309 | 4334 | 4753 |
| 4867 | 4887 | 4900 | 4993 | 5022 | 5053 | 5088 | 5157 | 5234 | 5235 | 5307 | 5312 | 5318 | 5381 | 5475 |
| 5476 | 5485 | 5496 | 5517 | 5587 | 5590 | 5591 | 5595 | 5616 | 5618 | 5666 | 5667 | 5705 | 5766 | 5815 |
| 5897 | 5913 | 5940 | 6010 | 6030 | 6032 | 6095 | 6096 | 6097 | 6098 | 6352 | 6386 | 6507 | 6703 | 6760 |
| 6829 | 6941 | 6974 | 7130 | 7146 | 7148 | 7149 | 7150 | 7240 | 7299 | 7368 | 7441 | 7442 | 7443 | 7446 |
| 7447 | 7448 | 7475 | 7538 | 7545 | 7547 | 7548 | 7589 | 7610 | 7611 | 7612 | 7651 | 7662 | 7706 | 7788 |
| 7793 | 7799 | 7836 | 7936 | 7937 | 7938 | 7939 | 7940 | 8008 | 8038 | 8041 | 8252 | 8391 | 8416 | 8417 |
| 8418 | 8468 | 8491 | 8513 | 8649 | 8650 | 8651 | 8742 | 8743 | 8744 | 8807 | 8814 | 8844 | 8882 | 8883 |
| 8887 | 8907 | 8932 | 8935 | 8936 | 8937 | 8942 | 8947 | 8950 | 9073 | 9078 | 9081 | 9088 | 9091 | 9181 |
| 9197 | 9227 | 9249 | 9250 | 9392 | 9411 | 9412 | 9413 | 9414 | 9415 | 9416 | 9469 | 9527 | 9633 | 9688 |
| 9691 | 9701 | 9712 | 9713 | 9714 | 9715 | 9717 | 9718 | 9745 | 9804 | 9847 | 9848 | 9849 | 9850 | 9873 |
| 9904 | 9905 | 9906 | 10004 | 10005 | 10006 | 10052 | 10053 | 10135 | 10244 | 10245 | 10414 | 10416 | 10432 | 10433 |
| 10468 | 10469 | 10499 | 10502 | 10505 | 10508 | 10509 | 10511 | 10512 | 10513 | 10515 | 10516 | 10518 | 10658 | 10677 |
| 10696 | 10697 | 10698 | 10719 | 10732 | 10734 | 10735 | 10737 | 10762 | 10834 | 10840 | 10881 | 10884 | 10885 | 10910 |

Nervous system, synapses (cont.)

10911 10912 11125 11166 11167 11168 11169 11170 11172 11176 11181 11182 11183

Nervous system, transmitters (see Nervous system, nerve functions)**Newsletters**

2301 7225 7226 7227 7228 7229

Nomenclature (see Descriptions)**Osmosis (see Salinity)****Ostracods commensals**

151 643 644 713 770 855 1147 1154 1213 1872 1896 1975 1976 1993 2062
 2069 2070 2071 2072 2079 2082 2103 2214 2275 2276 2417 2478 2516 2707 2806
 2847 2884 2953 2954 2955 2956 3110 3127 3255 3989 3990 3991 3992 3993 3994
 3995 3997 4000 4001 4002 4003 4004 4005 4006 4007 4010 4011 4012 4013 4014
 4356 4382 4389 4395 4408 4409 4412 4422 4434 4438 4439 4441 4443 4446 4447
 4462 4463 4465 4467 4468 4471 4474 4475 4476 4481 4486 4488 4489 4490 4491
 4493 4494 4495 4496 4497 4498 4501 4502 4503 4504 4505 4506 4507 4512 4514
 4516 4521 4526 4530 4558 4559 4561 4704 4705 4808 4994 5031 5072 5150 5331
 5428 5429 5562 5563 5738 6412 6771 6953 7063 7179 7292 7293 7534 7701 7773
 7822 7823 7824 7877 8017 8171 8180 8181 8351 8368 8369 8371 8372 8373 8374
 8375 8376 8378 8379 8380 8381 8382 8482 8512 8623 9303 9304 9592 9978 9979
 10168 10169 10225 10327 10328 10460 10461 10604 10608 10804 10805 10806 11029

Oxygen, dissolved (D.O.)

178 179 222 317 317 330 331 333 334 338 342 343 344 347 348
 350 355 356 357 358 359 360 361 366 367 368 369 388 389 396
 399 403 407 407 409 410 439 458 468 485 561 562 587 598 598
 607 641 650 662 663 708 768 771 772 776 845 870 949 949 952
 965 999 1045 1181 1190 1205 1205 1213 1233 1235 1259 1259 1359 1449 1450
 1468 1468 1531 1556 1632 1632 1637 1790 1791 1793 1795 1837 1840 1841 1896
 1976 2003 2038 2038 2064 2078 2090 2090 2103 2119 2125 2144 2147 2151 2156
 2207 2335 2384 2386 2387 2388 2486 2491 2496 2673 2690 2727 2838 2905 3146
 3169 3228 3263 3316 3340 3376 3377 3377 3437 3444 3444 3505 3604 3606 3674
 3686 3737 3738 3738 3748 3789 3792 3876 3876 4036 4165 4165 4166 4166 4168
 4261 4262 4276 4277 4278 4295 4351 4367 4373 4432 4457 4459 4466 4467 4479
 4492 4508 4512 4514 4770 4778 4785 4792 4795 4799 4808 4809 4825 4857 4994
 4995 5059 5073 5080 5080 5081 5132 5245 5511 5543 5715 5740 5744 5748 5795
 5796 5798 5808 5822 5855 5935 6037 6039 6246 6319 6335 6405 6447 6455 6456
 6457 6458 6464 6480 6511 6528 6597 6598 6602 6646 6647 6647 6648 6769 6776
 6794 6898 6918 6992 6994 6996 7004 7005 7006 7007 7012 7032 7033 7034 7181
 7221 7248 7248 7258 7345 7631 7631 7632 7632 7701 7838 7911 8017 8028 8051
 8053 8150 8307 8413 8444 8587 8708 8756 8757 8772 8943 9029 9222 9237 9583
 9587 9588 9592 9774 9779 9965 10279 10280 10324 10565 10591 10640 10676 10719 10767
 10768 10860 10898 10902 10943 10996 10996 11145

Parasites, miscellaneous (see Associations, miscellaneous)**Pesticides (see Chemicals, toxic)****Pheromones**

184 185 1969 2445 3434 3977 4029 4132 4133 4912 4913 5024 6081 6082 6083
 6559 6615 8476 8477 8478 8600 9887 9888 9889 9890 9892 9893 9908 9909 9911
 9912

pH

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 68 | 69 | 70 | 178 | 222 | 329 | 330 | 331 | 342 | 343 | 344 | 347 | 355 | 356 | 358 |
| 359 | 360 | 361 | 362 | 366 | 367 | 368 | 369 | 388 | 389 | 403 | 410 | 497 | 498 | 499 |
| 500 | 501 | 582 | 641 | 662 | 717 | 768 | 771 | 772 | 776 | 826 | 846 | 870 | 948 | 965 |
| 1045 | 1051 | 1181 | 1190 | 1213 | 1233 | 1235 | 1239 | 1245 | 1259 | 1259 | 1266 | 1359 | 1410 | 1531 |
| 1583 | 1591 | 1637 | 1687 | 1728 | 1793 | 1896 | 1927 | 1941 | 2038 | 2038 | 2090 | 2094 | 2156 | 2289 |
| 2305 | 2325 | 2330 | 2335 | 2376 | 2383 | 2385 | 2387 | 2400 | 2401 | 2444 | 2819 | 2838 | 2905 | 3116 |
| 3234 | 3234 | 3235 | 3236 | 3238 | 3242 | 3258 | 3263 | 3318 | 3340 | 3340 | 3341 | 3346 | 3346 | 3376 |
| 3377 | 3378 | 3379 | 3397 | 3398 | 3400 | 3511 | 3604 | 3604 | 3606 | 3686 | 3737 | 3748 | 3789 | 3876 |
| 4165 | 4165 | 4166 | 4166 | 4295 | 4295 | 4345 | 4351 | 4355 | 4367 | 4413 | 4459 | 4466 | 4467 | 4479 |
| 4508 | 4509 | 4512 | 4514 | 4543 | 4761 | 4785 | 4857 | 4990 | 4990 | 4994 | 4995 | 4996 | 4996 | 4997 |
| 5073 | 5080 | 5136 | 5179 | 5417 | 5511 | 5714 | 5714 | 5715 | 5744 | 5748 | 5801 | 5817 | 6027 | 6123 |
| 6153 | 6195 | 6329 | 6330 | 6331 | 6405 | 6447 | 6599 | 6600 | 6777 | 6794 | 6937 | 6938 | 6965 | 6966 |
| 7021 | 7221 | 7248 | 7258 | 7290 | 7345 | 7681 | 7987 | 8017 | 8444 | 8526 | 8530 | 8587 | 8677 | 8976 |
| 9164 | 9227 | 9306 | 9503 | 9507 | 9509 | 9521 | 9521 | 9620 | 9988 | 10330 | 10331 | 10640 | 10767 | 10798 |
| 10849 | 10860 | 11145 | | | | | | | | | | | | |

Places (see Geographical localities)

Pollution ecology (see Ecology, general)

Population dynamics (see Life history)

Predator-prey relationships

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4 | 64 | 141 | 149 | 186 | 187 | 190 | 193 | 209 | 291 | 405 | 408 | 465 | 582 | 604 |
| 682 | 683 | 704 | 706 | 708 | 714 | 719 | 728 | 743 | 749 | 750 | 756 | 757 | 764 | 827 |
| 850 | 853 | 869 | 897 | 904 | 906 | 907 | 940 | 946 | 1001 | 1050 | 1089 | 1097 | 1189 | 1215 |
| 1216 | 1223 | 1238 | 1241 | 1244 | 1250 | 1261 | 1263 | 1264 | 1295 | 1326 | 1367 | 1371 | 1395 | 1396 |
| 1400 | 1401 | 1402 | 1407 | 1466 | 1469 | 1481 | 1489 | 1498 | 1524 | 1525 | 1526 | 1579 | 1585 | 1615 |
| 1616 | 1617 | 1620 | 1626 | 1634 | 1635 | 1657 | 1667 | 1693 | 1715 | 1724 | 1793 | 1869 | 1906 | 1914 |
| 1921 | 1936 | 1939 | 1940 | 1951 | 1953 | 1962 | 1970 | 2003 | 2025 | 2026 | 2030 | 2031 | 2032 | 2034 |
| 2038 | 2040 | 2115 | 2116 | 2179 | 2194 | 2210 | 2214 | 2228 | 2261 | 2285 | 2317 | 2330 | 2332 | 2366 |
| 2430 | 2432 | 2452 | 2453 | 2460 | 2484 | 2488 | 2489 | 2511 | 2515 | 2519 | 2551 | 2649 | 2650 | 2663 |
| 2671 | 2690 | 2693 | 2694 | 2695 | 2722 | 2727 | 2759 | 2788 | 2801 | 2824 | 2826 | 2827 | 2828 | 2829 |
| 2883 | 2886 | 2889 | 2890 | 2891 | 2929 | 3067 | 3098 | 3099 | 3140 | 3169 | 3176 | 3181 | 3203 | 3204 |
| 3205 | 3206 | 3208 | 3212 | 3214 | 3256 | 3258 | 3274 | 3275 | 3276 | 3317 | 3346 | 3357 | 3389 | 3418 |
| 3423 | 3474 | 3530 | 3531 | 3537 | 3541 | 3586 | 3594 | 3595 | 3602 | 3632 | 3644 | 3673 | 3686 | 3687 |
| 3711 | 3735 | 3739 | 3751 | 3759 | 3762 | 3793 | 3813 | 3816 | 3840 | 3844 | 3891 | 3899 | 3904 | 3905 |
| 3906 | 3907 | 3908 | 3909 | 3910 | 3921 | 3924 | 3950 | 3951 | 4022 | 4086 | 4088 | 4100 | 4125 | 4126 |
| 4127 | 4133 | 4213 | 4215 | 4310 | 4562 | 4671 | 4683 | 4706 | 4728 | 4729 | 4756 | 4757 | 4827 | 4830 |
| 4856 | 4879 | 4889 | 4917 | 4936 | 4947 | 5059 | 5060 | 5062 | 5077 | 5084 | 5093 | 5231 | 5249 | 5286 |
| 5287 | 5290 | 5352 | 5353 | 5363 | 5383 | 5407 | 5409 | 5414 | 5434 | 5435 | 5436 | 5437 | 5438 | 5456 |
| 5457 | 5509 | 5512 | 5513 | 5514 | 5535 | 5549 | 5647 | 5660 | 5698 | 5699 | 5700 | 5726 | 5727 | 5728 |
| 5729 | 5730 | 5731 | 5732 | 5733 | 5734 | 5760 | 5785 | 5821 | 5824 | 5834 | 5847 | 5893 | 5941 | 5969 |
| 5975 | 5976 | 5980 | 5981 | 5982 | 6008 | 6009 | 6016 | 6017 | 6054 | 6093 | 6114 | 6152 | 6155 | 6170 |
| 6203 | 6215 | 6219 | 6269 | 6323 | 6373 | 6398 | 6401 | 6413 | 6415 | 6424 | 6480 | 6481 | 6519 | 6542 |
| 6545 | 6548 | 6561 | 6563 | 6564 | 6574 | 6585 | 6586 | 6587 | 6609 | 6631 | 6678 | 6700 | 6735 | 6767 |
| 6795 | 6796 | 6797 | 6799 | 6806 | 6837 | 6875 | 6895 | 6896 | 6897 | 6899 | 6910 | 6911 | 6970 | 7031 |
| 7047 | 7048 | 7061 | 7107 | 7111 | 7112 | 7152 | 7184 | 7185 | 7186 | 7197 | 7198 | 7202 | 7209 | 7214 |
| 7222 | 7230 | 7245 | 7249 | 7314 | 7380 | 7435 | 7464 | 7568 | 7580 | 7593 | 7613 | 7614 | 7615 | 7644 |
| 7646 | 7693 | 7701 | 7709 | 7714 | 7715 | 7716 | 7717 | 7720 | 7722 | 7723 | 7735 | 7747 | 7775 | 7837 |
| 7849 | 7861 | 7865 | 7880 | 7892 | 7973 | 7974 | 8011 | 8032 | 8080 | 8085 | 8093 | 8111 | 8112 | 8135 |
| 8189 | 8205 | 8216 | 8217 | 8225 | 8237 | 8276 | 8326 | 8327 | 8328 | 8330 | 8403 | 8407 | 8408 | 8419 |

Predator-prey relationships (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8426 | 8427 | 8485 | 8545 | 8566 | 8567 | 8604 | 8605 | 8624 | 8643 | 8699 | 8704 | 8753 | 8754 | 8765 |
| 8767 | 8768 | 8769 | 8783 | 8784 | 8824 | 8855 | 9005 | 9007 | 9118 | 9119 | 9129 | 9137 | 9147 | 9253 |
| 9263 | 9318 | 9334 | 9371 | 9373 | 9374 | 9375 | 9419 | 9443 | 9475 | 9488 | 9489 | 9530 | 9571 | 9580 |
| 9581 | 9582 | 9584 | 9585 | 9586 | 9614 | 9616 | 9629 | 9648 | 9737 | 9753 | 9761 | 9774 | 9805 | 9812 |
| 9815 | 9816 | 9832 | 9839 | 9859 | 9872 | 9877 | 9898 | 9920 | 9938 | 9962 | 9966 | 9967 | 9968 | 10016 |
| 10029 | 10036 | 10037 | 10046 | 10086 | 10128 | 10163 | 10220 | 10227 | 10258 | 10333 | 10334 | 10363 | 10421 | 10441 |
| 10484 | 10548 | 10553 | 10554 | 10555 | 10556 | 10558 | 10559 | 10566 | 10579 | 10638 | 10669 | 10760 | 10770 | 10787 |
| 10808 | 10820 | 10826 | 10856 | 10869 | 10914 | 10926 | 10934 | 11114 | 11134 | | | | | |

Pre-Linnean material (see Mythology)**Preservation techniques**

2217 4315 10655

Production (see Economics)**Protein Content (see Food characteristics)****Protozoan diseases**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 222 | 582 | 666 | 1121 | 1124 | 1125 | 1207 | 1213 | 1322 | 1428 | 1640 | 1698 | 1700 | 1755 | 1756 |
| 1833 | 1872 | 2003 | 2011 | 2014 | 2023 | 2103 | 2365 | 2413 | 2528 | 2707 | 2877 | 3069 | 3234 | 3239 |
| 3695 | 4115 | 4211 | 4283 | 4514 | 4576 | 4808 | 5072 | 5101 | 5196 | 5197 | 5277 | 5544 | 5636 | 5661 |
| 5738 | 5739 | 6501 | 6510 | 6530 | 6571 | 6771 | 7203 | 7350 | 7351 | 7352 | 7353 | 7355 | 7356 | 7360 |
| 7406 | 7594 | 7773 | 8081 | 8656 | 8658 | 8664 | 8994 | 9026 | 9173 | 9174 | 9246 | 9247 | 9248 | 9570 |
| 9617 | 9900 | 10022 | 10106 | 10270 | 10271 | 10276 | 10277 | 10278 | 10279 | 10286 | 10287 | 10288 | 10296 | 10401 |
| 10408 | 10457 | 10618 | 10622 | 10633 | 10745 | 10806 | 11065 | | | | | | | |

Radioecology

| | | | | | | | | | | | | | | |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 59 | 186 | 187 | 189 | 190 | 537 | 925 | 1387 | 1389 | 1424 | 1663 | 2059 | 2412 | 2529 | 2580 |
| 2702 | 2703 | 2778 | 3545 | 3745 | 3861 | 3979 | 4235 | 4267 | 4267 | 4536 | 4539 | 4540 | 4737 | 4739 |
| 4860 | 4870 | 4892 | 5273 | 5325 | 5779 | 5915 | 6034 | 6208 | 6419 | 6420 | 6533 | 6797 | 6862 | 7069 |
| 7070 | 7071 | 7072 | 7073 | 7074 | 7076 | 7077 | 7078 | 7142 | 7199 | 7200 | 7440 | 7821 | 8135 | 8429 |
| 8430 | 8436 | 8558 | 8785 | 8862 | 8971 | 9184 | 9211 | 9213 | 9379 | 9380 | 9458 | 10176 | 10466 | 10819 |
| 10857 | 10942 | 10959 | | | | | | | | | | | | |

Rearing (see Aquaculture)**Recipes**

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 106 | 194 | 200 | 222 | 270 | 281 | 305 | 307 | 318 | 320 | 324 | 327 | 341 | 345 | 363 |
| 372 | 423 | 448 | 452 | 459 | 462 | 467 | 470 | 483 | 486 | 643 | 720 | 840 | 856 | 953 |
| 1059 | 1300 | 1320 | 1497 | 1870 | 1871 | 2220 | 2248 | 2503 | 2655 | 2968 | 2973 | 3073 | 3097 | 3199 |
| 3240 | 3462 | 3495 | 3521 | 3551 | 3618 | 3676 | 3746 | 3755 | 3756 | 3832 | 3880 | 4209 | 4251 | 4256 |
| 4776 | 5063 | 5137 | 5251 | 5349 | 5576 | 5611 | 5775 | 5989 | 6006 | 6055 | 6207 | 6230 | 6466 | 6710 |
| 6812 | 6934 | 6989 | 7037 | 7051 | 7226 | 7227 | 7315 | 7395 | 7431 | 7736 | 7798 | 7813 | 7814 | 7860 |
| 7878 | 8049 | 8308 | 8310 | 8311 | 8472 | 8496 | 8752 | 8878 | 9034 | 9069 | 9264 | 9333 | 9356 | 9441 |
| 9473 | 9518 | 9520 | 9811 | 9813 | 9903 | 9982 | 9983 | 10128 | 10195 | 10338 | 10340 | 10478 | 10490 | 10492 |
| 10493 | 10577 | 10597 | 10598 | 10801 | 10802 | | | | | | | | | |

Relationships

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12 | 23 | 112 | 113 | 116 | 122 | 123 | 214 | 236 | 239 | 240 | 250 | 390 | 395 | 494 |
| 605 | 606 | 613 | 699 | 701 | 723 | 742 | 745 | 746 | 803 | 855 | 878 | 900 | 901 | 916 |
| 944 | 993 | 994 | 1020 | 1022 | 1023 | 1026 | 1027 | 1028 | 1029 | 1031 | 1064 | 1102 | 1133 | 1140 |
| 1141 | 1142 | 1144 | 1146 | 1150 | 1153 | 1154 | 1160 | 1161 | 1163 | 1164 | 1350 | 1419 | 1505 | 1533 |
| 1588 | 1614 | 1653 | 1668 | 1716 | 1717 | 1718 | 1720 | 1762 | 1843 | 1847 | 1884 | 1887 | 1888 | 1889 |
| 1890 | 1918 | 1976 | 1991 | 1993 | 1994 | 1999 | 2001 | 2002 | 2081 | 2083 | 2084 | 2085 | 2086 | 2087 |

Relationships (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2091 | 2092 | 2099 | 2137 | 2144 | 2152 | 2153 | 2155 | 2157 | 2165 | 2166 | 2272 | 2273 | 2308 | 2363 |
| 2451 | 2455 | 2478 | 2519 | 2575 | 2579 | 2656 | 2668 | 2670 | 2709 | 2764 | 2821 | 2915 | 2916 | 2917 |
| 2918 | 2921 | 2923 | 2924 | 2926 | 3014 | 3103 | 3105 | 3107 | 3108 | 3109 | 3113 | 3115 | 3116 | 3118 |
| 3120 | 3121 | 3122 | 3126 | 3132 | 3133 | 3134 | 3175 | 3242 | 3243 | 3244 | 3264 | 3265 | 3315 | 3421 |
| 3463 | 3528 | 3544 | 3548 | 3549 | 3559 | 3605 | 3621 | 3713 | 3734 | 3763 | 3789 | 3881 | 3882 | 3969 |
| 4101 | 4102 | 4103 | 4105 | 4107 | 4108 | 4123 | 4131 | 4213 | 4282 | 4343 | 4345 | 4346 | 4348 | 4349 |
| 4350 | 4351 | 4353 | 4354 | 4357 | 4359 | 4361 | 4362 | 4363 | 4364 | 4365 | 4367 | 4368 | 4370 | 4371 |
| 4372 | 4373 | 4375 | 4376 | 4377 | 4379 | 4380 | 4381 | 4383 | 4388 | 4392 | 4393 | 4394 | 4396 | 4397 |
| 4399 | 4401 | 4404 | 4405 | 4407 | 4411 | 4413 | 4414 | 4415 | 4416 | 4417 | 4418 | 4419 | 4420 | 4421 |
| 4425 | 4426 | 4427 | 4430 | 4432 | 4433 | 4434 | 4435 | 4436 | 4437 | 4438 | 4439 | 4441 | 4442 | 4444 |
| 4445 | 4446 | 4447 | 4449 | 4451 | 4452 | 4453 | 4455 | 4457 | 4458 | 4461 | 4464 | 4466 | 4469 | 4472 |
| 4474 | 4477 | 4480 | 4482 | 4483 | 4484 | 4487 | 4583 | 4630 | 4646 | 4675 | 4720 | 4804 | 4846 | 4847 |
| 4848 | 4850 | 4915 | 4970 | 5024 | 5044 | 5068 | 5069 | 5207 | 5345 | 5450 | 5673 | 5736 | 5744 | 5856 |
| 5877 | 5970 | 6035 | 6057 | 6058 | 6060 | 6061 | 6062 | 6063 | 6065 | 6066 | 6067 | 6069 | 6070 | 6072 |
| 6111 | 6130 | 6136 | 6137 | 6150 | 6221 | 6254 | 6360 | 6446 | 6746 | 6747 | 6763 | 6780 | 6868 | 6928 |
| 6967 | 7204 | 7218 | 7252 | 7481 | 7487 | 7488 | 7491 | 7494 | 7554 | 7557 | 7559 | 7560 | 7562 | 7594 |
| 7624 | 7634 | 7686 | 7743 | 7744 | 7746 | 7749 | 7750 | 7751 | 7752 | 7753 | 7757 | 7758 | 7765 | 7766 |
| 7770 | 7772 | 7774 | 7858 | 7864 | 7865 | 7868 | 7877 | 7903 | 8026 | 8028 | 8029 | 8043 | 8055 | 8063 |
| 8120 | 8208 | 8209 | 8212 | 8214 | 8222 | 8228 | 8266 | 8271 | 8272 | 8336 | 8349 | 8351 | 8352 | 8353 |
| 8354 | 8355 | 8356 | 8454 | 8750 | 8755 | 8880 | 9021 | 9100 | 9106 | 9107 | 9110 | 9114 | 9141 | 9144 |
| 9252 | 9354 | 9464 | 9490 | 9491 | 9526 | 9562 | 9564 | 9590 | 9595 | 9856 | 9865 | 9923 | 10124 | 10309 |
| 10311 | 10314 | 10315 | 10316 | 10317 | 10318 | 10320 | 10321 | 10322 | 10323 | 10324 | 10326 | 10327 | 10328 | 10390 |
| 10448 | 10449 | 10450 | 10452 | 10457 | 10460 | 10540 | 10646 | 10664 | 10772 | 10773 | 10812 | 10813 | 10963 | 10980 |
| 10996 | 10997 | 11133 | 11190 | | | | | | | | | | | |

Reproductive system, morphology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110 | 111 | 164 | 222 | 234 | 236 | 239 | 240 | 241 | 246 | 247 | 249 | 250 | 252 | 253 |
| 254 | 255 | 256 | 257 | 272 | 403 | 684 | 762 | 799 | 832 | 895 | 929 | 1020 | 1026 | 1178 |
| 1224 | 1226 | 1273 | 1274 | 1379 | 1380 | 1381 | 1417 | 1606 | 1673 | 1683 | 1725 | 1735 | 1743 | 1833 |
| 1976 | 2307 | 2416 | 2447 | 2457 | 2458 | 2459 | 2464 | 2553 | 2569 | 2643 | 2644 | 2907 | 2908 | 3071 |
| 3128 | 3356 | 3422 | 3509 | 3559 | 3699 | 3700 | 3701 | 3764 | 3766 | 3847 | 3969 | 3970 | 3973 | 3985 |
| 3987 | 3988 | 4035 | 4112 | 4254 | 4427 | 4499 | 4519 | 4536 | 4775 | 4808 | 4811 | 4812 | 4847 | 4850 |
| 5059 | 5075 | 5076 | 5375 | 5543 | 5568 | 5572 | 5676 | 5741 | 5946 | 5979 | 5987 | 6035 | 6138 | 6144 |
| 6173 | 6311 | 6314 | 6365 | 6441 | 6449 | 6555 | 6840 | 7023 | 7025 | 7489 | 7594 | 7624 | 7682 | 7694 |
| 7697 | 7700 | 7760 | 7773 | 7809 | 7903 | 7922 | 7999 | 8017 | 8061 | 8088 | 8219 | 8232 | 8242 | 8300 |
| 8332 | 8366 | 8517 | 8529 | 8534 | 8535 | 8553 | 8623 | 9145 | 9354 | 9559 | 9562 | 9564 | 9565 | 9724 |
| 9801 | 9865 | 9907 | 9986 | 10017 | 10018 | 10020 | 10021 | 10023 | 10024 | 10025 | 10026 | 10027 | 10028 | 10170 |
| 10246 | 10378 | 10384 | 10389 | 10457 | 10541 | 10662 | 10673 | 10674 | 10775 | 10925 | 10937 | 10938 | 11147 | 11165 |

Reproductive system, physiology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 26 | 57 | 97 | 101 | 102 | 108 | 110 | 164 | 165 | 166 | 179 | 218 | 236 | 237 | 239 |
| 240 | 245 | 246 | 250 | 253 | 254 | 255 | 256 | 304 | 326 | 349 | 494 | 558 | 559 | 684 |
| 762 | 832 | 871 | 944 | 950 | 1024 | 1026 | 1062 | 1184 | 1224 | 1256 | 1274 | 1301 | 1338 | 1341 |
| 1342 | 1379 | 1380 | 1381 | 1471 | 1543 | 1544 | 1545 | 1592 | 1683 | 1686 | 1702 | 1711 | 1725 | 1727 |
| 1731 | 1734 | 1735 | 1743 | 1752 | 1794 | 1796 | 1902 | 2093 | 2136 | 2143 | 2160 | 2200 | 2286 | 2307 |
| 2351 | 2416 | 2446 | 2447 | 2459 | 2544 | 2648 | 2667 | 2680 | 2835 | 2907 | 2908 | 2923 | 2949 | 3071 |
| 3236 | 3238 | 3356 | 3405 | 3709 | 3863 | 3973 | 3984 | 4208 | 4427 | 4656 | 4665 | 4673 | 4808 | 4817 |
| 4820 | 4847 | 4850 | 5009 | 5014 | 5326 | 5332 | 5333 | 5343 | 5394 | 5455 | 5479 | 5543 | 5565 | 5566 |
| 5567 | 5568 | 5570 | 5572 | 5573 | 5676 | 5687 | 5741 | 5777 | 5844 | 5946 | 5979 | 5987 | 6035 | 6144 |
| 6172 | 6174 | 6199 | 6256 | 6258 | 6319 | 6365 | 6440 | 6455 | 6461 | 6533 | 6554 | 6555 | 6593 | 6663 |
| 6691 | 6772 | 6823 | 6840 | 6997 | 7023 | 7024 | 7025 | 7028 | 7029 | 7030 | 7103 | 7255 | 7609 | 7622 |
| 7682 | 7695 | 7696 | 7698 | 7809 | 7902 | 7988 | 8047 | 8048 | 8062 | 8088 | 8100 | 8218 | 8226 | 8232 |

Reproductive system, physiology (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8238 | 8260 | 8306 | 8366 | 8529 | 8553 | 8572 | 8623 | 8629 | 8774 | 8776 | 8881 | 8974 | 9098 | 9331 |
| 9386 | 9387 | 9390 | 9391 | 9532 | 9533 | 9534 | 9535 | 9536 | 9565 | 9579 | 9782 | 9800 | 9801 | 9820 |
| 9860 | 9911 | 9952 | 9986 | 10022 | 10040 | 10102 | 10165 | 10168 | 10268 | 10331 | 10344 | 10345 | 10384 | 10444 |
| 10457 | 10521 | 10522 | 10545 | 10603 | 10610 | 10637 | 10674 | 10925 | 10938 | 10987 | | | | |

Respiratory system, morphology

| | | | | | | | | | | | | | | |
|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 222 | 272 | 285 | 939 | 971 | 1068 | 1088 | 1226 | 1274 | 1295 | 1417 | 1467 | 1725 | 2103 | 2223 |
| 2363 | 2501 | 2536 | 2642 | 2666 | 2917 | 2973 | 3101 | 4037 | 4432 | 4808 | 4846 | 4847 | 4848 | 4850 |
| 5543 | 5735 | 6451 | 6452 | 6453 | 6454 | 6590 | 6601 | 6677 | 7015 | 7016 | 7019 | 7594 | 7773 | 7922 |
| 8088 | 8312 | 8623 | 9107 | 9145 | 10128 | 10322 | 10326 | 10457 | 10541 | 10662 | | | | |

Respiratory system, physiology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15 | 105 | 205 | 206 | 271 | 304 | 326 | 494 | 498 | 562 | 597 | 599 | 671 | 932 | 937 |
| 950 | 971 | 973 | 974 | 1068 | 1088 | 1104 | 1105 | 1181 | 1205 | 1213 | 1311 | 1467 | 1468 | 1556 |
| 1652 | 1705 | 1739 | 1739 | 1783 | 1795 | 1925 | 1926 | 1928 | 2064 | 2104 | 2207 | 2214 | 2225 | 2349 |
| 2377 | 2379 | 2382 | 2383 | 2384 | 2385 | 2386 | 2388 | 2491 | 2493 | 2495 | 2496 | 2536 | 2556 | 2642 |
| 2739 | 2944 | 3010 | 3011 | 3039 | 3040 | 3044 | 3227 | 3228 | 3283 | 3377 | 3379 | 3714 | 3740 | 3743 |
| 3758 | 3876 | 3984 | 4036 | 4155 | 4165 | 4166 | 4168 | 4245 | 4276 | 4278 | 4509 | 4679 | 4735 | 4808 |
| 4847 | 4850 | 5006 | 5017 | 5110 | 5126 | 5165 | 5174 | 5276 | 5297 | 5394 | 5543 | 5735 | 5794 | 5795 |
| 5796 | 5797 | 5808 | 5937 | 6018 | 6038 | 6334 | 6335 | 6336 | 6369 | 6450 | 6451 | 6452 | 6453 | 6454 |
| 6456 | 6458 | 6459 | 6460 | 6462 | 6463 | 6464 | 6472 | 6590 | 6597 | 6598 | 6601 | 6602 | 6626 | 6646 |
| 6673 | 6677 | 6690 | 7015 | 7016 | 7032 | 7033 | 7034 | 7108 | 7122 | 7213 | 7678 | 7679 | 7681 | 7825 |
| 7918 | 7978 | 7981 | 8052 | 8099 | 8307 | 8405 | 8436 | 8538 | 8652 | 8687 | 8689 | 8709 | 8775 | 8801 |
| 8802 | 8819 | 8968 | 9028 | 9029 | 9030 | 9200 | 9587 | 9779 | 9781 | 9782 | 9783 | 9886 | 9900 | 9950 |
| 9988 | 10008 | 10009 | 10044 | 10152 | 10259 | 10273 | 10371 | 10411 | 10521 | 10522 | 10565 | 10642 | 10643 | 10644 |
| 10645 | 10676 | 10754 | 10767 | 10902 | | | | | | | | | | |

Salinity

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 111 | 509 | 672 | 830 | 932 | 1386 | 1482 | 1667 | 1739 | 1905 | 1938 | 2335 | 2584 | 2590 | 2753 |
| 3444 | 3538 | 3744 | 3775 | 4253 | 4751 | 5073 | 5165 | 5167 | 5179 | 5329 | 5330 | 5387 | 6018 | 6184 |
| 6185 | 6339 | 6380 | 6380 | 6484 | 6597 | 6757 | 6766 | 6768 | 6769 | 6770 | 6773 | 6776 | 6995 | 6996 |
| 7004 | 7005 | 7007 | 7718 | 7805 | 7807 | 7808 | 7826 | 7976 | 8031 | 8100 | 8339 | 8343 | 8527 | 8681 |
| 8682 | 8683 | 8684 | 8686 | 8687 | 8725 | 8726 | 8856 | 8857 | 8858 | 8859 | 8862 | 8863 | 8864 | 8865 |
| 8866 | 8867 | 8868 | 8880 | 8969 | 9010 | 9108 | 9353 | 10260 | 10454 | 10641 | 10642 | 10643 | 10644 | 10645 |

Serology (see Descriptions)**Seasonal rhythm (see Circadian rhythm)****Skeletal system, morphology**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 65 | 71 | 72 | 87 | 99 | 111 | 112 | 113 | 114 | 119 | 121 | 122 | 123 | 152 | 160 |
| 211 | 216 | 222 | 238 | 239 | 241 | 248 | 256 | 272 | 281 | 373 | 403 | 441 | 582 | 635 |
| 684 | 687 | 702 | 727 | 746 | 799 | 806 | 807 | 817 | 818 | 820 | 821 | 878 | 928 | 929 |
| 930 | 964 | 969 | 983 | 993 | 1018 | 1020 | 1131 | 1133 | 1141 | 1145 | 1150 | 1153 | 1154 | 1155 |
| 1163 | 1165 | 1178 | 1184 | 1201 | 1226 | 1273 | 1274 | 1295 | 1412 | 1413 | 1417 | 1444 | 1528 | 1533 |
| 1580 | 1581 | 1588 | 1674 | 1676 | 1677 | 1678 | 1718 | 1720 | 1721 | 1762 | 1763 | 1874 | 1875 | 1884 |
| 1886 | 1887 | 1888 | 1889 | 1901 | 1954 | 1976 | 1991 | 2092 | 2093 | 2103 | 2144 | 2259 | 2278 | 2280 |
| 2282 | 2304 | 2322 | 2323 | 2324 | 2400 | 2431 | 2434 | 2445 | 2449 | 2450 | 2451 | 2478 | 2479 | 2481 |
| 2482 | 2532 | 2572 | 2688 | 2802 | 2894 | 2917 | 2973 | 3063 | 3102 | 3107 | 3108 | 3123 | 3126 | 3134 |
| 3244 | 3258 | 3261 | 3264 | 3311 | 3320 | 3384 | 3385 | 3386 | 3387 | 3509 | 3651 | 3706 | 3797 | 3811 |
| 3855 | 3938 | 3956 | 3957 | 3969 | 3970 | 3973 | 3985 | 3986 | 3987 | 3988 | 4023 | 4035 | 4037 | 4112 |
| 4113 | 4174 | 4295 | 4327 | 4331 | 4352 | 4358 | 4398 | 4401 | 4404 | 4411 | 4418 | 4419 | 4420 | 4423 |
| 4426 | 4430 | 4432 | 4434 | 4436 | 4438 | 4439 | 4445 | 4446 | 4448 | 4452 | 4453 | 4455 | 4457 | 4458 |
| 4461 | 4467 | 4472 | 4477 | 4482 | 4509 | 4536 | 4547 | 4552 | 4583 | 4629 | 4630 | 4635 | 4637 | 4645 |

Skeletal system, morphology (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4646 | 4656 | 4773 | 4777 | 4779 | 4783 | 4804 | 4811 | 4812 | 4819 | 4834 | 4846 | 4847 | 4848 | 4850 |
| 4970 | 4972 | 5000 | 5018 | 5033 | 5060 | 5071 | 5072 | 5111 | 5138 | 5150 | 5187 | 5188 | 5207 | 5208 |
| 5237 | 5276 | 5324 | 5374 | 5375 | 5423 | 5450 | 5531 | 5542 | 5543 | 5552 | 5554 | 5664 | 5736 | 5758 |
| 5783 | 5855 | 5856 | 5868 | 5891 | 5900 | 5908 | 5935 | 5948 | 5968 | 6035 | 6036 | 6080 | 6111 | 6136 |
| 6137 | 6138 | 6173 | 6188 | 6221 | 6242 | 6284 | 6302 | 6305 | 6313 | 6320 | 6362 | 6402 | 6439 | 6573 |
| 6589 | 6617 | 6618 | 6634 | 6676 | 6677 | 6678 | 6697 | 6699 | 6758 | 6775 | 6780 | 6784 | 6785 | 6786 |
| 6816 | 6817 | 6818 | 6819 | 6820 | 6821 | 6824 | 6825 | 6826 | 6828 | 6837 | 6838 | 6877 | 6926 | 6927 |
| 6932 | 6967 | 6990 | 7045 | 7060 | 7135 | 7136 | 7137 | 7157 | 7210 | 7218 | 7278 | 7341 | 7346 | 7431 |
| 7478 | 7481 | 7482 | 7483 | 7484 | 7486 | 7487 | 7493 | 7494 | 7513 | 7514 | 7554 | 7557 | 7559 | 7560 |
| 7594 | 7597 | 7604 | 7605 | 7624 | 7642 | 7643 | 7667 | 7669 | 7694 | 7700 | 7707 | 7709 | 7711 | 7742 |
| 7743 | 7744 | 7745 | 7746 | 7748 | 7749 | 7750 | 7751 | 7752 | 7753 | 7754 | 7757 | 7758 | 7759 | 7760 |
| 7761 | 7762 | 7765 | 7766 | 7771 | 7772 | 7773 | 7829 | 7839 | 7840 | 7858 | 7864 | 7865 | 7866 | 7868 |
| 7878 | 7922 | 7978 | 7993 | 8001 | 8022 | 8026 | 8029 | 8063 | 8088 | 8098 | 8101 | 8102 | 8103 | 8109 |
| 8120 | 8122 | 8127 | 8151 | 8186 | 8187 | 8208 | 8209 | 8212 | 8214 | 8228 | 8266 | 8271 | 8272 | 8280 |
| 8284 | 8299 | 8300 | 8309 | 8312 | 8336 | 8349 | 8350 | 8351 | 8352 | 8353 | 8354 | 8355 | 8356 | 8420 |
| 8434 | 8454 | 8517 | 8518 | 8565 | 8613 | 8616 | 8623 | 8639 | 8659 | 8715 | 8716 | 8717 | 8718 | 8720 |
| 8722 | 8745 | 8749 | 8750 | 8755 | 8765 | 8771 | 8879 | 8943 | 8995 | 8999 | 9058 | 9094 | 9095 | 9097 |
| 9098 | 9100 | 9106 | 9107 | 9144 | 9145 | 9234 | 9261 | 9335 | 9354 | 9355 | 9370 | 9372 | 9377 | 9424 |
| 9426 | 9427 | 9430 | 9434 | 9464 | 9465 | 9481 | 9491 | 9531 | 9559 | 9565 | 9573 | 9576 | 9579 | 9590 |
| 9591 | 9628 | 9659 | 9666 | 9668 | 9679 | 9680 | 9726 | 9801 | 9823 | 9861 | 9862 | 9863 | 9864 | 9865 |
| 9866 | 9867 | 9868 | 9896 | 9899 | 9910 | 9969 | 9970 | 9971 | 9972 | 9974 | 10017 | 10022 | 10028 | 10058 |
| 10059 | 10060 | 10064 | 10124 | 10128 | 10148 | 10308 | 10309 | 10310 | 10311 | 10312 | 10313 | 10314 | 10315 | 10316 |
| 10317 | 10318 | 10321 | 10322 | 10323 | 10324 | 10326 | 10327 | 10328 | 10348 | 10358 | 10369 | 10371 | 10388 | 10390 |
| 10429 | 10436 | 10448 | 10449 | 10450 | 10452 | 10457 | 10487 | 10492 | 10540 | 10541 | 10542 | 10660 | 10662 | 10689 |
| 10746 | 10772 | 10773 | 10775 | 10812 | 10813 | 10815 | 10817 | 10895 | 10896 | 10897 | 10899 | 10900 | 10901 | 10903 |
| 10908 | 10947 | 10985 | 10986 | 10987 | 10996 | 10997 | 11024 | 11140 | 11142 | 11159 | | | | |

Skeletal system, physiology

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15 | 40 | 41 | 57 | 65 | 67 | 68 | 69 | 70 | 74 | 76 | 77 | 78 | 79 | 103 |
| 105 | 171 | 206 | 235 | 558 | 559 | 565 | 566 | 567 | 710 | 716 | 969 | 976 | 993 | 1012 |
| 1031 | 1033 | 1035 | 1044 | 1061 | 1102 | 1131 | 1168 | 1207 | 1233 | 1249 | 1311 | 1413 | 1417 | 1492 |
| 1497 | 1528 | 1580 | 1609 | 1674 | 1676 | 1722 | 1727 | 1736 | 1737 | 1874 | 1875 | 1954 | 2019 | 2235 |
| 2236 | 2262 | 2263 | 2270 | 2282 | 2434 | 2435 | 2448 | 2479 | 2493 | 2532 | 2557 | 2572 | 2684 | 2688 |
| 2894 | 3017 | 3064 | 3066 | 3188 | 3234 | 3246 | 3316 | 3475 | 3482 | 3483 | 3644 | 3740 | 3743 | 3836 |
| 3837 | 3838 | 3839 | 3886 | 3984 | 4230 | 4258 | 4260 | 4268 | 4269 | 4270 | 4672 | 4684 | 4685 | 4762 |
| 4814 | 4815 | 4816 | 4847 | 4850 | 4997 | 5071 | 5111 | 5256 | 5273 | 5375 | 5423 | 5543 | 5554 | 5571 |
| 5669 | 5687 | 5758 | 5779 | 6080 | 6257 | 6258 | 6304 | 6307 | 6308 | 6309 | 6310 | 6313 | 6335 | 6336 |
| 6362 | 6617 | 6618 | 6619 | 6625 | 6777 | 6816 | 6817 | 6823 | 6824 | 6826 | 6828 | 6849 | 6863 | 7135 |
| 7136 | 7137 | 7138 | 7139 | 7156 | 7347 | 7590 | 7591 | 7604 | 7605 | 7810 | 7866 | 8000 | 8057 | 8074 |
| 8285 | 8299 | 8312 | 8434 | 8617 | 8765 | 8968 | 8999 | 9151 | 9167 | 9212 | 9214 | 9226 | 9360 | 9361 |
| 9424 | 9425 | 9426 | 9428 | 9430 | 9434 | 9435 | 9436 | 9440 | 9531 | 9567 | 9627 | 9861 | 10022 | 10058 |
| 10059 | 10060 | 10061 | 10062 | 10099 | 10101 | 10102 | 10103 | 10105 | 10106 | 10110 | 10111 | 10116 | 10118 | 10121 |
| 10123 | 10152 | 10261 | 10262 | 10263 | 10287 | 10348 | 10405 | 10406 | 10407 | 10409 | 10457 | 10521 | 10522 | 10571 |
| 10593 | 10661 | 10935 | 11020 | | | | | | | | | | | |

Species lists, state or regional (see also Checklists)

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 48 | 108 | 138 | 172 | 216 | 219 | 259 | 288 | 496 | 731 | 732 | 733 | 734 | 735 | 736 |
| 737 | 738 | 804 | 805 | 810 | 853 | 857 | 858 | 859 | 862 | 863 | 872 | 879 | 882 | 883 |
| 884 | 886 | 934 | 935 | 951 | 980 | 981 | 991 | 995 | 1063 | 1083 | 1091 | 1106 | 1107 | 1108 |
| 1109 | 1116 | 1120 | 1156 | 1202 | 1262 | 1290 | 1302 | 1305 | 1312 | 1349 | 1368 | 1403 | 1425 | 1433 |
| 1452 | 1462 | 1479 | 1506 | 1537 | 1553 | 1596 | 1603 | 1624 | 1656 | 1669 | 1738 | 1742 | 1748 | 1831 |

Species lists, state or regional (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1844 | 1848 | 1868 | 1904 | 1986 | 1990 | 2027 | 2028 | 2062 | 2063 | 2102 | 2218 | 2229 | 2251 | 2252 |
| 2253 | 2284 | 2339 | 2341 | 2405 | 2420 | 2427 | 2443 | 2456 | 2469 | 2480 | 2520 | 2522 | 2767 | 2800 |
| 2814 | 2915 | 2918 | 2919 | 2926 | 2940 | 2988 | 3117 | 3224 | 3245 | 3255 | 3312 | 3373 | 3409 | 3412 |
| 3430 | 3449 | 3487 | 3488 | 3497 | 3518 | 3520 | 3552 | 3587 | 3598 | 3676 | 3794 | 3795 | 3803 | 3814 |
| 3878 | 3903 | 3967 | 3971 | 3972 | 3973 | 4041 | 4103 | 4106 | 4171 | 4172 | 4233 | 4347 | 4351 | 4361 |
| 4408 | 4424 | 4427 | 4428 | 4466 | 4479 | 4500 | 4536 | 4550 | 4590 | 4667 | 4697 | 4703 | 4843 | 4952 |
| 5040 | 5113 | 5151 | 5205 | 5206 | 5211 | 5223 | 5224 | 5225 | 5259 | 5291 | 5336 | 5338 | 5358 | 5360 |
| 5362 | 5366 | 5367 | 5368 | 5385 | 5440 | 5447 | 5481 | 5507 | 5574 | 5709 | 5722 | 5756 | 5761 | 5762 |
| 5838 | 5858 | 5927 | 5928 | 5967 | 5985 | 6059 | 6061 | 6063 | 6066 | 6067 | 6068 | 6072 | 6140 | 6143 |
| 6298 | 6299 | 6382 | 6388 | 6470 | 6504 | 6505 | 6641 | 6661 | 6685 | 6743 | 6744 | 6764 | 6839 | 6888 |
| 6891 | 6927 | 6945 | 7058 | 7105 | 7217 | 7231 | 7232 | 7233 | 7279 | 7302 | 7304 | 7305 | 7306 | 7361 |
| 7409 | 7470 | 7477 | 7479 | 7565 | 7579 | 7582 | 7601 | 7623 | 7625 | 7710 | 7713 | 7740 | 7762 | 7773 |
| 7776 | 7916 | 7949 | 7954 | 7961 | 7967 | 7968 | 7984 | 7992 | 8118 | 8119 | 8123 | 8128 | 8170 | 8171 |
| 8172 | 8173 | 8177 | 8178 | 8179 | 8180 | 8185 | 8197 | 8209 | 8210 | 8233 | 8269 | 8288 | 8289 | 8290 |
| 8292 | 8464 | 8469 | 8471 | 8501 | 8502 | 8503 | 8505 | 8515 | 8522 | 8524 | 8638 | 8655 | 8671 | 8691 |
| 8692 | 8693 | 8694 | 8727 | 8734 | 8755 | 9045 | 9104 | 9142 | 9201 | 9311 | 9357 | 9383 | 9393 | 9417 |
| 9422 | 9466 | 9467 | 9519 | 9568 | 9762 | 9784 | 9853 | 9875 | 9876 | 9879 | 9881 | 9885 | 9947 | 10010 |
| 10022 | 10087 | 10134 | 10137 | 10155 | 10252 | 10391 | 10419 | 10422 | 10425 | 10474 | 10475 | 10544 | 10549 | 10653 |
| 10654 | 10663 | 10756 | 10773 | 10775 | 10904 | 10939 | 11105 | 11135 | 11148 | 11194 | | | | |

Stamps, postage (see Art)

Statocysts (see Skeletal system, morphology, and Nervous system, sensory physiology)

Temnocephalid associations

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 691 | 692 | 693 | 694 | 695 | 3211 | 3591 | 3980 | 4042 | 4043 | 4044 | 4045 | 4046 | 4048 | 4051 |
| 4056 | 5027 | 5196 | 6354 | 6695 | 6698 | 6702 | 6956 | 7239 | 10238 | 10789 | 10790 | 10791 | 10792 | 10793 |
| 10794 | 10795 | 10796 | 10805 | 10806 | | | | | | | | | | |

Temperature

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 23 | 26 | 36 | 38 | 39 | 44 | 54 | 69 | 77 | 77 | 99 | 100 | 101 | 102 | 103 |
| 105 | 110 | 111 | 130 | 147 | 178 | 179 | 222 | 299 | 317 | 324 | 329 | 330 | 331 | 332 |
| 333 | 334 | 335 | 336 | 337 | 338 | 340 | 342 | 343 | 344 | 347 | 355 | 356 | 358 | 359 |
| 360 | 361 | 362 | 366 | 367 | 368 | 369 | 388 | 389 | 396 | 397 | 404 | 405 | 407 | 446 |
| 537 | 558 | 559 | 561 | 562 | 582 | 641 | 643 | 644 | 662 | 708 | 746 | 755 | 756 | 768 |
| 771 | 772 | 776 | 847 | 848 | 849 | 849 | 870 | 949 | 949 | 965 | 1031 | 1040 | 1045 | 1051 |
| 1105 | 1138 | 1159 | 1181 | 1190 | 1203 | 1204 | 1204 | 1205 | 1205 | 1207 | 1209 | 1209 | 1213 | 1220 |
| 1233 | 1235 | 1245 | 1259 | 1259 | 1322 | 1359 | 1450 | 1466 | 1473 | 1474 | 1482 | 1498 | 1512 | 1531 |
| 1532 | 1534 | 1590 | 1609 | 1632 | 1637 | 1649 | 1650 | 1651 | 1652 | 1663 | 1708 | 1719 | 1720 | 1721 |
| 1759 | 1790 | 1791 | 1793 | 1797 | 1837 | 1896 | 1898 | 1899 | 1899 | 1900 | 1905 | 1932 | 1955 | 2003 |
| 2012 | 2015 | 2042 | 2042 | 2074 | 2075 | 2076 | 2077 | 2078 | 2078 | 2094 | 2095 | 2103 | 2150 | 2154 |
| 2185 | 2188 | 2200 | 2205 | 2277 | 2311 | 2324 | 2325 | 2330 | 2335 | 2387 | 2410 | 2491 | 2496 | 2601 |
| 2673 | 2770 | 2819 | 2838 | 2895 | 2897 | 2905 | 2906 | 2921 | 2979 | 3021 | 3038 | 3080 | 3081 | 3083 |
| 3149 | 3152 | 3153 | 3211 | 3231 | 3244 | 3282 | 3314 | 3331 | 3378 | 3379 | 3434 | 3444 | 3560 | 3561 |
| 3562 | 3562 | 3604 | 3604 | 3605 | 3606 | 3614 | 3686 | 3714 | 3737 | 3753 | 3789 | 3792 | 3876 | 3888 |
| 3913 | 3917 | 3917 | 3960 | 3961 | 3972 | 3973 | 4024 | 4062 | 4065 | 4066 | 4107 | 4133 | 4155 | 4156 |
| 4166 | 4166 | 4168 | 4229 | 4295 | 4296 | 4302 | 4351 | 4355 | 4393 | 4399 | 4445 | 4447 | 4459 | 4466 |
| 4467 | 4492 | 4508 | 4512 | 4514 | 4528 | 4529 | 4533 | 4542 | 4543 | 4545 | 4570 | 4575 | 4651 | 4681 |
| 4695 | 4770 | 4774 | 4778 | 4782 | 4785 | 4795 | 4798 | 4808 | 4810 | 4818 | 4857 | 4888 | 4907 | 4942 |
| 4943 | 4994 | 4995 | 4996 | 5000 | 5012 | 5016 | 5030 | 5030 | 5034 | 5059 | 5073 | 5108 | 5134 | 5143 |
| 5204 | 5229 | 5292 | 5297 | 5328 | 5372 | 5394 | 5395 | 5396 | 5397 | 5398 | 5399 | 5400 | 5401 | 5402 |
| 5403 | 5404 | 5433 | 5568 | 5572 | 5615 | 5708 | 5715 | 5723 | 5724 | 5725 | 5748 | 5777 | 5787 | 5788 |
| 5798 | 5800 | 5822 | 5855 | 5870 | 5871 | 5872 | 5935 | 6106 | 6153 | 6173 | 6217 | 6221 | 6243 | 6250 |
| 6257 | 6325 | 6335 | 6405 | 6442 | 6443 | 6445 | 6447 | 6448 | 6458 | 6472 | 6474 | 6475 | 6479 | 6481 |
| 6597 | 6601 | 6603 | 6625 | 6628 | 6663 | 6677 | 6696 | 6712 | 6769 | 6776 | 6794 | 6808 | 6809 | 6867 |

Temperature (cont.)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6870 | 6870 | 6892 | 6898 | 6911 | 6992 | 6994 | 6996 | 7000 | 7004 | 7005 | 7006 | 7007 | 7022 | 7033 |
| 7034 | 7138 | 7158 | 7180 | 7212 | 7298 | 7430 | 7431 | 7440 | 7451 | 7469 | 7489 | 7489 | 7560 | 7594 |
| 7624 | 7628 | 7631 | 7631 | 7632 | 7632 | 7638 | 7675 | 7691 | 7697 | 7700 | 7701 | 7706 | 7708 | 7726 |
| 7727 | 7728 | 7739 | 7758 | 7804 | 7863 | 7867 | 7887 | 7972 | 7978 | 7983 | 7995 | 7997 | 8017 | 8027 |
| 8030 | 8037 | 8052 | 8053 | 8088 | 8150 | 8163 | 8164 | 8214 | 8227 | 8338 | 8405 | 8413 | 8425 | 8444 |
| 8481 | 8526 | 8528 | 8539 | 8543 | 8546 | 8561 | 8562 | 8587 | 8598 | 8629 | 8663 | 8707 | 8755 | 8756 |
| 8757 | 8783 | 8945 | 8999 | 9101 | 9234 | 9238 | 9245 | 9412 | 9495 | 9497 | 9563 | 9565 | 9591 | 9592 |
| 9604 | 9726 | 9734 | 9738 | 9759 | 9774 | 9797 | 9799 | 9887 | 9891 | 9891 | 9894 | 9963 | 9965 | 10095 |
| 10128 | 10194 | 10219 | 10259 | 10260 | 10260 | 10268 | 10279 | 10280 | 10282 | 10366 | 10556 | 10565 | 10591 | 10609 |
| 10610 | 10614 | 10615 | 10618 | 10658 | 10659 | 10676 | 10753 | 10754 | 10782 | 10798 | 10804 | 10860 | 10868 | 10964 |
| 10965 | 10996 | 10996 | 11145 | | | | | | | | | | | |

Toxic chemicals (see Chemicals, toxic)**Trace metals (see Metals, trace)****Transportation**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|
| 222 | 299 | 304 | 339 | 344 | 362 | 383 | 431 | 575 | 1289 | 1353 | 1776 | 1798 | 1949 | 2045 |
| 2046 | 2404 | 2510 | 3136 | 3426 | 3771 | 3848 | 4769 | 4773 | 4777 | 4804 | 4808 | 5059 | 5521 | 5523 |
| 5537 | 5543 | 5715 | 6162 | 6513 | 6742 | 6841 | 7037 | 7207 | 7246 | 7291 | 7431 | 7511 | 7594 | 7990 |
| 8088 | 8310 | 8573 | 9234 | 9240 | 10105 | 10467 | 10801 | | | | | | | |

Trematoda (see Fluke parasites)**Uses, miscellaneous commercial**

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 217 | 375 | 421 | 445 | 1636 | 1773 | 1774 | 2310 | 2422 | 2726 | 2790 | 3852 | 5080 | 5626 | 5841 |
| 6230 | 6378 | 6716 | 6942 | 7511 | 7861 | 8601 | 9034 | 10189 | | | | | | |

Vernacular names

| | | | | | | | | | | | | | | |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 66 | 104 | 161 | 199 | 273 | 274 | 275 | 278 | 279 | 280 | 286 | 287 | 290 | 391 | 392 |
| 393 | 466 | 554 | 555 | 689 | 843 | 851 | 953 | 979 | 1069 | 1272 | 1319 | 1320 | 1365 | 1375 |
| 1451 | 1491 | 1509 | 1600 | 1648 | 1929 | 1995 | 2006 | 2221 | 2518 | 2530 | 2548 | 2655 | 2677 | 2720 |
| 2721 | 2797 | 2911 | 2986 | 3073 | 3360 | 3371 | 3424 | 3469 | 3600 | 3619 | 3694 | 3773 | 3845 | 3853 |
| 3872 | 3962 | 3982 | 3996 | 4164 | 4222 | 4225 | 4248 | 4544 | 4582 | 4852 | 4885 | 4928 | 5082 | 5173 |
| 5282 | 5350 | 5356 | 5605 | 5714 | 5717 | 5720 | 5771 | 5867 | 5958 | 6131 | 6220 | 6266 | 6476 | 6513 |
| 6664 | 6665 | 6666 | 6957 | 7037 | 7044 | 7109 | 7159 | 7312 | 7333 | 7600 | 7639 | 7671 | 7672 | 7673 |
| 7841 | 7893 | 7914 | 7915 | 7916 | 7922 | 7944 | 7964 | 8023 | 8066 | 8110 | 8471 | 8472 | 8532 | 8723 |
| 8724 | 8739 | 9022 | 9037 | 9109 | 9111 | 9309 | 9473 | 9477 | 9492 | 9630 | 9631 | 9786 | 10127 | 10913 |
| 10936 | 10952 | | | | | | | | | | | | | |

Zoogeography

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 39 | 51 | 52 | 53 | 54 | 73 | 112 | 121 | 122 | 124 | 214 | 222 | 242 | 582 | 739 |
| 740 | 742 | 766 | 770 | 943 | 992 | 999 | 1045 | 1133 | 1143 | 1144 | 1150 | 1158 | 1291 | 1296 |
| 1311 | 1426 | 1465 | 1530 | 1571 | 1591 | 1614 | 1716 | 1719 | 2101 | 2102 | 2103 | 2105 | 2214 | 3105 |
| 3106 | 3110 | 3118 | 3125 | 3126 | 3130 | 3287 | 3406 | 3448 | 3708 | 3957 | 3980 | 3981 | 3997 | 4128 |
| 4351 | 4368 | 4385 | 4387 | 4422 | 4438 | 4442 | 4445 | 4466 | 4482 | 4503 | 4533 | 4590 | 4601 | 4608 |
| 4609 | 4616 | 4641 | 4655 | 4808 | 4847 | 4850 | 5033 | 5042 | 5543 | 6021 | 6405 | 6516 | 6517 | 6518 |
| 6677 | 6698 | 6926 | 6927 | 6959 | 6960 | 7480 | 7481 | 7487 | 7492 | 7560 | 7561 | 7719 | 7725 | 7773 |
| 7774 | 7864 | 7978 | 8209 | 8222 | 8223 | 8266 | 8275 | 8282 | 8283 | 8284 | 8351 | 8431 | 8480 | 8521 |
| 8740 | 8749 | 8817 | 8852 | 9106 | 9132 | 9314 | 9381 | 9573 | 9627 | 9855 | 10128 | 10185 | 10319 | 10322 |
| 10325 | 10326 | 10372 | 10423 | 10455 | 10544 | 10774 | 10804 | 10812 | 11150 | | | | | |

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