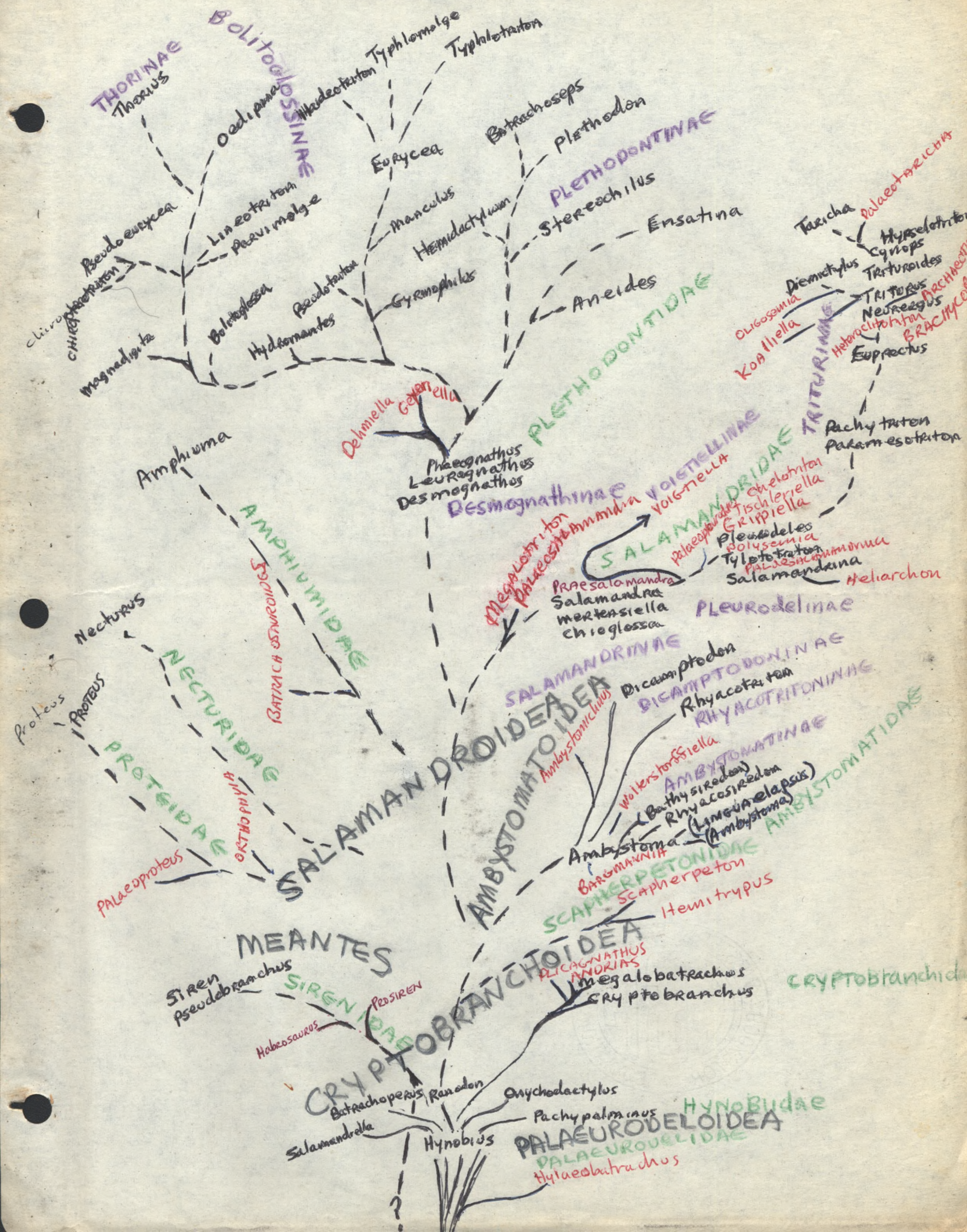


A LIST OF THE WORLD'S RECENT CAUDATA

A.H. BRAME, JR.,
BIOLOGY DEPARTMENT
UNIVERSITY OF SOUTHERN
CALIFORNIA

NOVEMBER 8, 1957

CAUDATA PHYLOGENY



CORRECTIONS

Pp

- 1...Line 5...Bruckeneschen should be spelled Brückenechsen.
- 1...Line 13...Desireable should be spelled desirable.
- 1...Line 16...Synonomies should be spelled synonymies.
- 1...Line 22...Synonymy should be spelled synonymy.
- 1...Line 28...Guibe should have an accent over the "e": Guibé.
- 1...Line 29...Polz should be spelled Pölz.
- 1...Line 31...Suggestians should be spelled suggestions.
- 1...Line 33...Suggestians should be spelled suggestions.
- 2...Change the 1866 following Hynobiidae Cope, to 1859.
- 2...Change Subfamily Pleurodelinae to Subfamily Salamandrinae Gray, 1825
- 3...#28.....The author is Wolterstorff, not Herre.
- 3...Change the author of Subfamily Desmognathinae to Cope, 1866.
- 3...Change the author of Subfamily Plethodontinae to Gray, 1850.
- 3...Change Subfamily Thoriinae to Subfamily Bolitoglossinae Hallowell, 1858
- 3...#50.....Lineotriton should be spelled Lineatriton.
- 3...#57.....Thorius has no dorsal ossification of the skull and therefore should be placed in a separate subfamily: Thoriinae Cope, 1869. See Smith and Taylor, 1948.
- ***Note that on pages 2 and 3 the numbers of species and subspecies have not been corrected.
- 4...Change the 1866 following Hynobiidae Cope, to 1859.
- 4...#8.....Gunther should be spelled Günther.
- 6...After #56 include Ambystoma macrodactylum krausei Peters, 1882. This subspecies is being redefined by Dr. Denzel Ferguson in his revision of Ambystoma macrodactylum. W. T. Neill suggests that it is still an acceptable form as defined by M. B. Mittleman.
- 6...#66.....Neill suggests that Ambystoma texanum includes three races and microstomum is an available name.
- 7...#75, 76, & 78...Duges should have an accent over the "u": Dûges.
- 7...#83.....After Lowe there should be: „1951.
- ✓ 7...Just above #88 include Necturus alabamensis Viosca, 1937. This form has been ignored for no reason at all.
- 7...#88.....Necturus lodingi should be Necturus punctatus lodingi. See Chermock, 1952 and Neill, 1954.
- 8...#94.....This should be Necturus punctatus punctatus.
- 8...Change Subfamily Pleurodelinae to Salamandrinae Gray, 1825.
- 8...#104.....Muller should be spelled Müller.
- 8...#112 & 113...Lacepede should be Lacépède.
- 8...#112.....The date, 1787, should be 1788.
- 9...#120.....Change to Cynops pyrrhogaster ensicaudus (Hallowell, 1860).
- 9...#121.....Change to Cynops pyrrhogaster popei (Inger, 1947).
- 9...#123.....Change to Cynops pyrrhogaster pyrrhogaster (Boie, 1826).
- 9...#129.....The form perstriatus should be regarded as a distinct species. See Neill, 1954.
- 9...#130.....Piarpicola should be spelled piaropicola.
- 9...#131.....Duges should be Dûges.

LANZA in lit. (15.2.58) states that

- no. 324 ambrosii should be spelled ambrosii; moreover
the date should be 1955 instead of 1954 [reprints were
issued in 54] p.
no. 325 gormanii should be corrected to gormanii

CHECK MERTENS, RABB + others for grammatical errors which
need emendation

Pp.

- 10...#146 & 147...This author and others feel that torosa and sierrae are
distinct species as based upon the skull comparisons of
van Frank, 1955.
11...Change the author of the Subfamily Desmognathinae to Cope, 1866.
11...#181.....Change to Desmognathus aeneus aeneus. See Chermock, 1952.
11...#182.....Change to Desmognathus aeneus chermocki. Same as above
12...#187.....Welteri should possibly be replaced by phoca as the type
locality of phoca which = fuscus may lie within welteri's
range. Neill in lit.
✓ 12...#195.....Neill hints in lit. that quadramaculatus should be a syno-
nym of fuscus and therefore amphileucus Bishop, 1941 is the
correct name.
12...Change the author of the Subfamily Plethodontinae to Gray, 1850.
14...#241.....Should be spelled rabunensis.
14...#244.....Reimer should be spelled Riemer.
14...#257.....Noble, 1931 and Dunn, 1926 indicated that the affinities of
Stereochilus are uncertain. They suggested that it appears
closest to Eurycea but as it has no bolitoglossoid tongue
I retain it with the Subfamily Plethodontinae.
14...Change Subfamily Thoriinae to Bolitoglossinae Hallowell, 1850.
15...#260.....Alvaradoi should be spelled alvaradoi.
15...Just below #260, Bolitoglossa andicola (Posada, 1909) should be
placed.
15...#268.....Moreleti should be synonymized with mexicana according to
H. M. Smith.
16...#303.....Neill, H. M. Smith, and P. W. Smith feel pernix should be
sunk.
17...#329.....This should be a Bolitoglossa according to J. M. Savage who
together with A. L. de Carvalho is working on the South
American Bolitoglossas.
20...Just below #402 insert the Subfamily Thoriinae Cope, 1869, which
includes only the genus Thorius.
21...#411, 412, and 413..These are all Bolitoglossinae members.
21...#412.....Typhlotriton nereus according to H. G. Dowling and H. A.
Dundee should be synonymized with spelaeus. M. B. Mittle-
man disagrees.

A.H.B. JR.
2/5/58

Rabb states that

Pseudoeurycea barbouri + Pseudoeurycea picadori should
be in one genus chiropterotriton
also

The citation for Plethodon dorsalis dorsalis
should read Baird in Cope 1889

Stereochilus marginatum not "us"

Walker + Rabb

Several chiropterotriton read "us"

except chirostegus

In recent years the publishing of many fine systematic and faunal monographs on the various taxa of reptiles and amphibians have made it feasible to compile world check lists at least on the smaller groups. Dr. R. Mertens and Dr. H. Wermuth have compiled the first check list of this type: Die Rezenten Schildkroten, Krokodile und Bruckeneschen. It therefore seems to me to be an opportune time to prepare a world check list of salamanders based upon such splendid treatments as: Handbook of Salamanders, S. C. Bishop; Amphibians of Western North America, R. C. Stebbins; Die Amphibien und Reptilien Europas, R. Mertens and R. Muller; Amphibians of Western China, C. Liu; A Survey of Chinese Amphibia, C. H. Pope and A. M. Boring; Salamanders of Japan, I. Sato; and numerous other recent contributions. Since it will take some time to prepare such a check list, it seems desirable to prepare a preliminary list of the salamanders of the world to give authorities on urodele taxonomy an opportunity to critically analyze the work. The final check list will include: synonyms, ranges, type localities, and the location of type specimens. 4

The present list is not strictly a compilation but is based upon a critical evaluation of published information. Certain species not generally recognized as valid are included as a result. Other forms have been reduced to synonymy. In the list, salamanders are arranged phylogenetically down to subfamily and below the subfamily they are listed alphabetically. 4

I wish to express my gratitude to the following for their aid and encouragement: Mr. J. C. Battersky, Mr. B. H. Brattstrom, Dr. H. G. Dowling, Dr. J. Eiselt, Mr. G. E. Freytag, Dr. J. Guibe, Dr. W. Herre, Dr. R. B. Loomis, Dr. R. Mertens, Mr. F. Pölz, Dr. J. M. Savage, and Dr. G. von Wahlert. I have especially incorporated the suggestions of Dr. Savage and Dr. von Wahlert.

It is the hope of this author that your comments and suggestions will be freely passed along to aid in the development of the final check list.

A.H.B., Jr.
11/8/57

Note - Subtract one
number from each figure
which is marked over by p

Sp. Sp.&Ssp.

ORDER CAUDATA Oppel, 1811

285 415

SUBORDER CRYPTOBRANCHOIDEA Dunn, 1922

31 32

Family Hynobiidae Cope, 1866 ⁵⁹	28	....	28
1. Batrachuperus Boulenger, 1878.....	6	....	6
2. Hynobius Tschudi, 1838.....	17	....	17
3. Onychodactylus Tschudi, 1838.....	2	....	2
4. Pachypalaminus Thompson, 1912.....	1	....	1
5. Ranodon Kessler, 1866.....	1	....	1
6. Salamandrella Dybowski, 1870.....	1	....	1

Family Cryptobranchidae Cope, 1889.....	3	....	4
7. Cryptobranchus Leuckart, 1821.....	1	....	2
8. Megalobatrachus Tschudi, 1837.....	2	....	2

SIRENOIDEA Von Wahlert 1957

SUBORDER MEANTHES Linnaeus, 1766

3 9

Family Sirenidae Gray, 1825.....	3	....	9
9. Pseudobranchius Gray, 1825.....	1	....	5
10. Siren Linnaeus, 1766.....	2	....	4

SUBORDER SALAMANDROIDEA Cope, 1890

250 374

Family Ambystomidae Hallowell, 1858.....	30	....	44
11. Ambystoma Tschudi, 1838.....	21	....	34
12. Bathysiredon Dunn, 1939.....	1	....	1
13. Dicamptodon Strauch, 1870.....	1	....	1
14. Rhyacosiredon Dunn, 1928.....	4	....	4
15. Rhyacotriton Dunn, 1920.....	1	....	2
16. Siredon Wagler, 1830.....	2	....	2

= Ambystoma see Tihen, 1968

Family Proteidae Tschudi, 1839.....	1	....	2
17. Proteus Laurenti, 1768.....	1	....	2

Family Necturidae Stejneger and Barbour, 1923.....	3		7
18. Necturus Rafinesque, 1819.....	3		7

Family Salamandridae Gray, 1825.....	40		84
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Salamandrina ~~subfamily novum~~ Gray, 1858. Subfamily status name

Subfamily Pleurodelinae subfamily novum.....	(14)		(25)
19. Chioglossa Bocage, 1864.....	1	....	1
20. Mertensiella Wolterstorff, 1925.....	2	....	2
21. Pleurodeles Michahelles, 1830.....	2	....	3
22. Salamandra Laurenti, 1768.....	2	....	12
23. Salamandrina Fitzinger, 1826.....	1	....	1
24. Tylototriton Anderson, 1871.....	6	....	6

not
Gronovius
1763?

This name has been used at the family
level, at least, & has its date of proposal established.

It gives author & date of its first proposal at
any level among family group names. Then add
"S. E. & others" (if applicable)

2. Note that Thorius has no dorsal ossification of the skull, ~~as~~ see Taylor's Salini paper. I should like to think of it (it and any close relatives if any) as constituting the Thorinae. Others of your group 44-59 might Notopterygion men well be another Sp. Sp. & Ssp.

Subfamily Triturinae subfamily novum.....	(26)....	(50)
25. Cynops Tschudi, 1839.....	3	2
26. Piemiotylus Rafinesque, 1820.....	3	7
27. Euproctus Gene, 1833.....	3	4
28. Hypselotriton Torre , 1934.....	1	1
29. Neurergus Cope, 1862.....	1	3
30. Pachytriton Boulenger, 1878.....	1	1
31. Paramesotriton Chang, 1935.....	1	1
32. Taricha Gray, 1850.....	3	7
33. Triturides Chang, 1936.....	1	1
34. Triturus Rafinesque, 1815.....	9	30
<i>Paramesotriton chengy</i>		
Family Amphiumidae Cope, 1866.....	2	2
35. Amphiuma Garden, 1821.....	2	2
Family Plethodontidae Gray, 1850.....	175	235
Subfamily Desmognathinae Boulenger, 1882.....	(11)....	(21)
36. Desmognathus Baird, 1850.....	10	16
37. Leurognathus Moore, 1899.....	1	5
<i>Phaeognathus Highton, 1961 Gray 1850</i>		
Subfamily Plethodontinae Boulenger, 1882.....	(28)....	(56)
38. Aneides Baird, 1849.....	5	7
39. Batrachoseps Bonaparte, 1839.....	3	6
40. Ensatina Gray, 1850.....	1	7
41. Hemidactylium Tschudi, 1838.....	1	1
42. Plethodon Tschudi, 1838.....	17	34
43. Stereochilus Cope, 1869.....	1	1
<i>Bolitoglossa Hallan 1856</i>		
Subfamily Thorinae Cope, 1893.....	(136)....	(158)
44. Bolitoglossa Dumeril, Bibron, and Dumeril, 1854.....	24	24
45. Chiropterotriton Taylor, 1944.....	13	13
46. Eurycea Rafinesque, 1822.....	10	17
47. Gyrinophilus Cope, 1869.....	4	8
48. Haideotriton Carr, 1939.....	1	1
49. Hydromantes Gistel, 1848.....	5	7
50. Lineotriton Tanner, 1950.....	1	1
51. Magnadigita Taylor, 1944.....	20	20
52. Manculus Cope, 1869.....	1	1
53. Oedipina Keferstein, 1868.....	17	17
54. Parvimolge Taylor, 1944.....	3	3
55. Pseudoeurycea Taylor, 1944.....	22	24
56. Pseudotriton Tschudi, 1838.....	2	8
57. Thorius Cope, 1869.....	7	8
58. Typhlomolge Stejneger, 1896.....	1	1
59. Typhlotriton Stejneger, 1892.....	2	2
Incertae familiae - Species inquirenda		
60. Haptoglossa Cope, 1893.....	1	1

1. Be sure you have checked all sources for earlier family group names that might be used for genera 44-59. Boulenger Gray Cope are the best sources, & must be thoroughly checked & the you run the serious risk of having a subfamily name dropped & that would be unfortunate.

ORDER CAUDATA Oppel, 1811

SUBORDER CRYPTOBRANCHOIDEA Dunn, 1922

Family Hynobiidae Cope, 1865 59

- ✓ 1. Batrachuperus cochranæ Liu, 1950
- ✓ 2. Batrachuperus karlschmidti Liu, 1950
3. Batrachuperus mustersi Smith, 1940
4. Batrachuperus pinchonii (David, 1871)
- ✓ 5. Batrachuperus tibetanus Schmidt, 1927
- ✓ 6. Batrachuperus yenyuanensis Liu, 1950
- ✓ 7. Hynobius abei Sato, 1934
8. Hynobius chinensis Günther, 1889
- ✓ 9. Hynobius dunni Tago, 1931
- ✓ 10. Hynobius kimurai Dunn, 1923
Hynobius formosanus Maki, 1921
11. Hynobius leechii Boulenger, 1887
12. Hynobius lichenatus Boulenger, 1883
13. Hynobius naevius (Schlegel, 1838)
14. Hynobius nebulosus^{nebulosus} (Schlegel, 1838)
- ✓ 15. Hynobius nigrescens Stejneger, 1907
16. Hynobius okiensis Sato, 1940
- ✓ 17. Hynobius retardatus Dunn, 1923
- ✓ 18. Hynobius sadoensis Sato, 1940
- ✓ 19. Hynobius shihi Liu, 1950
20. Hynobius sonani (Maki, 1921)
- ✓ 21. Hynobius stejnegeri Dunn, 1923
- ✓ 22. ~~Hynobius tokyoensis Tago, 1931~~ - to be sunk by Hynobius nebulosus
22. Hynobius nebulosus tokyoensis Tago, 1931

- 23. Hynobius tsuensis Abe, 1922
- 24. Onychodactylus fischeri (Boulenger, 1886)
- 25. Onychodactylus japonicus (Houttuyn, 1782)
- ✓ 26. Pachypalaminus boulengeri Thompson, 1912
- 27. Ranodon sibiricus Kessler, 1866
- Ranodon wushanensis Liu, Hu, and Yang, 1960
- 28. Salamandrella keyserlingii Dybowski, 1870

✓ Family Cryptobranchidae Cope, 1889

- 29. Cryptobranchus alleganiensis alleganiensis (Daudin, 1802)
- ✓ 30. Cryptobranchus alleganiensis bishopi Grobman, 1942
- 31. Megalobatrachus davidianus (Blanchard, 1871)
- Andrias
- 32. Megalobatrachus japonicus (Temminck, 1837)

SIRENOIDEA ~~replaced by 1957~~
SUBORDER MEANTES Linnaeus, 1766 Goodrich, 1930

Family Sirenidae Gray, 1825

- 33. Pseudobranchus striatus striatus (Le Conte, 1824)
- ✓ 34. Pseudobranchus striatus axanthus Netting and Goin, 1942
- ✓ 35. Pseudobranchus striatus belli Schwartz, 1952
- ✓ 36. Pseudobranchus striatus lustricolus Neill, 1951
- ✓ 37. Pseudobranchus striatus spheniscus Goin and Crenshaw, 1949
- 38. Siren lacertina Linnaeus, 1766
- 39. Siren intermedia intermedia Le Conte, 1827
- ✓ 40. Siren intermedia nettingi Goin, 1942
- ✓ 41. Siren intermedia texana Goin, 1957

? SUBORDER ~~AMPHISTOMOIDEA~~ Cope, 1890 ? NO

Family Ambystomatidae Hallowell, 1858

- ✓ 42. Ambystoma amblycephalum Taylor, 1939

~~SALAMANDROIDEA~~ Salamandrina Cope, 1890

- ? 43. Ambystoma annulatum Cope, 1886
- ✓ 44. Ambystoma bombypellum Taylor, 1938
- ✓ 45. Ambystoma cingulatum cingulatum Cope, 1867
- ✓ 46. Ambystoma cingulatum bishopi Goin, 1950
- ? 47. Ambystoma gracile gracile (Baird, 1859)
A. dumerilii dumerilii
- ? 48. Ambystoma gracile decorticatum Cope, 1886
- ✓ 49. Ambystoma granulosum Taylor, 1944
- ✓ 50. Ambystoma flavipiperatum Dixon, 1963 *for true being placed in tigrinum group*
~~Ambystoma flavipiperatum Taylor, 1941~~
51. Ambystoma jeffersonianum (Green, 1827)
- ✓ 52. Ambystoma lacustris Taylor and Smith, 1945
53. Ambystoma laterale Hallowell, 1858
54. Ambystoma mabeei Bishop, 1928
A. lermaensis
- ✓ 55. Ambystoma macrodactylum macrodactylum Baird, 1849
~~Ambystoma macrodactylum *macrodactylum* Cope, 1883~~
- ✓ 56. Ambystoma macrodactylum croceum Russell and Anderson, 1956
~~Ambystoma macrodactylum *macrodactylum* *brucei* Peters, 1882~~
- ✓ 57. Ambystoma maculatum (Shaw, 1802)
~~Ambystoma maculatum *maculatum* Ferguson, 1961~~
58. Ambystoma opacum (Gravenhorst, 1807)
A. mexicanum
- ✓ 59. Ambystoma ordinarium Taylor, 1939 *Ambystoma platineum*
- ✓ 60. Ambystoma rosaceum rosaceum Taylor, 1941
- ✓ 61. Ambystoma rosaceum nigrum Shannon, 1951
- ✓ 62. Ambystoma rosaceum sonoraensis Shannon, 1951
- ✓ 63. Ambystoma schmidtii Taylor, 1938
- ✓ 64. Ambystoma subsalsum Taylor, 1943
65. Ambystoma talpoideum (Holbrook, 1838)
66. Ambystoma texanum (Matthes, 1855)
67. Ambystoma tigrinum tigrinum (Green, 1825)
- Cope, 1867

- ✓ 68. Ambystoma tigrinum californiense Gray, 1853
✓ 69. Ambystoma tigrinum diaboli Dunn, 1940
✓ 70. Ambystoma tigrinum mavortium Baird, 1850
71. Ambystoma tigrinum melanostictum (Baird, 1860)
72. Ambystoma tigrinum nebulosum Hallowell, 1854
✓ 73. Ambystoma tigrinum stebbinsi Lowe, 1954
✓ 74. Ambystoma tigrinum utahense Lowe, 1955
75. Ambystoma tigrinum velasci Duges, 1888 — Ambystoma tremlayi Comea 194
76. Bathysiredon dumerillii (Duges, 1870) ^{Ambystoma dumerillii}
77. Dicamptodon ensatus (Eschscholtz, 1833) ^{queretorensis (Maldonado-Koerdell, 1948)}
78. Rhyacosiredon altamirani (Duges, 1895) ^{mem Acad Nat Cien Mexico, 5-6-1946}

- ✓ 79. Rhyacosiredon leorae Taylor, 1943
✓ 80. Rhyacosiredon rivularis Taylor, 1940
✓ 81. Rhyacosiredon zempoalaensis Taylor and Smith, 1945
✓ 82. Rhyacotriton olympicus olympicus (Gaige, 1917)
✓ 83. Rhyacotriton olympicus variegatus Stebbins and Lowe, 1951
✓ 84. Siredon lermaensis Taylor, 1939 ^{Ambystoma lermaensis}
85. Siredon mexicanum (Shaw, 1789) ^{Ambystoma mexicanum}

~~SUBORDER SALICINAE PROVIDEA, Gope, 1890~~

Family Proteidae Tschudi, 1839

86. Proteus anguineus anguineus Laurenti, 1768

87. Proteus anguineus zisli Fitzinger, 1850

✓ Family Necturidae Stejneger and Barbour, 1923

- ✓ 88. Necturus iodingi Viosca, 1937 ^{Necturus latibankensis Viosca, 1937}

89. Necturus maculosus maculosus (Rafinesque, 1818)

- ✓ 90. Necturus maculosus beyeri Viosca, 1937 ^{beyeri}

- n^o 91. Necturus maculosus lewisi Brimley, 1924
 ✓ 92. Necturus maculosus louisianensis Viosca, 1938
 ✓ 93. Necturus maculosus stictus Bishop, 1941
 94. Necturus punctatus ^{punctatus} (Gibbes, 1850)

Family Salamandridae Gray, 1825

Subfamily ^{Salamandrinae} Pleurodelinae ~~subfamily novum~~ Gray, 1858

95. Chioglossa lusitanica Bocage, 1864
 96. Mertensiella caucasica (Waga, 1876)
 ✓ 97. Mertensiella luschani ^{luschani} (Steindachner, 1891)
mertensiella luschani helverseni Pieper, 1963
 98. Pleurodeles poireti ~~poireti~~ (Gervais, 1835)
 ? 99. Pleurodeles poireti hagenmuelleri (Lataste, 1881)
 100. Pleurodeles waltl Michahelles, 1830
 101. Salamandra atra Laurenti, 1768
 102. Salamandra salamandra salamandra (Linnaeus, 1758)
 103. Salamandra salamandra algira Bedriaga, 1883
 ? 104. Salamandra salamandra almanzoris Müller and Hellmich, 1935
 ? 105. Salamandra salamandra bejare Wolterstorff, 1934
 106. Salamandra salamandra corsica Savi, 1838
 ✓ 107. Salamandra salamandra fastuosa Schreiber, 1912
 108. Salamandra salamandra gallaica Seoane, 1884
 ✓ 109. Salamandra salamandra gigliolii Eiselt and Lanza, 1956
 110. Salamandra salamandra infraimmaculata Martens, 1885
 111. Salamandra salamandra seminovi Nesterov, 1916
 ✓ 112. Salamandra salamandra terrestris Lacépède, 1788 = 1788
 ✓ 113. Salamandrina terdigitata (Lacépède, 1788) ~~pleurodelinae~~

Platydelphinae

- 114. Tylototriton andersoni Boulenger, 1892
- ✓ 115. Tylototriton asperrimus Unterstein, 1930
- ? 116. Tylototriton chinhalensis Chang, 1932
- ? 117. Tylototriton kweichowensis Fang and Chang, 1932
- ✓ 118. Tylototriton taliangensis Liu, 1950
- 119. Tylototriton verrucosus Anderson, 1871
- Subfamily Triturinae subfamily novum
Cynops cyanurus Liu, Hu, and Yang, 1962
- 120. Cynops ensicaudus ensicaudus (Hallowell, 1860)
pyrrhogaster
- ✓ 121. Cynops ensicaudus popei (Inger, 1947)
pyrrhogaster
- 122. Cynops orientalis (David, 1875)
- 123. Cynops pyrrhogaster (Boie, 1826)
- ✓ 124. Diemictylus kallerti (Wolterstorff, 1930)
- ✓ 125. Diemictylus meridionalis Cope, 1880
- 126. Diemictylus viridescens viridescens Rafinesque, 1820
- ✓ 127. Diemictylus viridescens dorsalis (Harlan, 1828)
- ✓ 128. Diemictylus viridescens louisianensis Wolterstorff, 1914
- ✓ 129. Diemictylus viridescens perstriatus (Bishop, 1941)
- ✓ 130. Diemictylus viridescens piarpicola Schwartz and Duellman, 1952
- 131. Euproctus asper asper (Duges, 1852)
- ✓ 132. Euproctus asper castelmouliensis Wolterstorff, 1925
- 133. Euproctus montanus (Savi, 1839)
- 134. Euproctus platycephalus (Gravenhorst, 1829)
- ✓ 135. Hypselotriton wolterstorffi (Boulenger, 1905)
- ✓ 136. Neurergus crocatus crocatus Cope, 1862
Neurergus crocatus derjugini (Nesterov, 1916)
- ✓ 137. Neurergus crocatus kaiseri Schmidt, 1952
Neurergus crocatus microspilotus (Nesterov, 1916)

25 24
 if this checklist includes ~~all~~ recent forms (not the same as 10.
 living) it should include
 + Taricha torosa clausenii
 extinct as a subspecies within the past 10-20 yrs.

- ✓ 138. Neurergus crocatus strauchi (Steindachner, 1887)
 139. Pachytriton brevipes (Sauvage, 1877)
 140. Paramesotriton deloustali (Bourret, 1934)
 141. Taricha granulosa granulosa (Skilton, 1849)
 ✓ 142. Taricha granulosa mazamae (Myers, 1942) — ecotype
 ✓ 143. Taricha granulosa similans (Twitty, 1935)
 ✓ 144. Taricha granulosa twittyi (Bishop, 1941) — synonymized by Kiemer, 58
 ✓ 145. Taricha rivularis (Twitty, 1935)
 146. Taricha ~~torosa~~ ^{torosa} ~~torosa~~ (Rathke, 1833) ^{IV Eschscholtz}
 ✓ 147. Taricha ~~torosa~~ ^{torosa} sierrae (Twitty, 1942)
 ✓ 148. ~~Paramesotriton~~ ^{Paramesotriton} chinensis (Gray, 1859)
 149. ~~Paramesotriton~~ ^{Paramesotriton} hongkongensis (Myers and Leviton, 1962)
 150. Triturus alpestris alpestris (Laurenti, 1768)
 151. Triturus alpestris apuanus (Bonaparte, 1839)
 ? 151. Triturus alpestris cyreni Wolterstorff, 1932
 152. Triturus alpestris lacusnigri (Seliskar and Pehani, 1935)
 ✓ 153. Triturus alpestris montenegrensis Radovanović, 1951 — twice — 2 different forms
 154. Triturus alpestris piperianus Radovanović, 1961
 155. Triturus boscai (Lataste, 1879) — Triturus alpestris sedarus Radovanović 1961
 156. Triturus cristatus cristatus (Laurenti, 1768)
 157. Triturus cristatus carnifex (Laurenti, 1768)
 158. Triturus cristatus dobrogius (Kiritzescu, 1903)
 159. Triturus cristatus karelinii (Strauch, 1870)
 160. Triturus cristatus smederevana (Karaman, 1948) = T. c. dobrogius
 161. Triturus helveticus helveticus (Razoumowsky, 1789)
 162. Triturus helveticus sequeirai (Wolterstorff, 1905)

163. Triturus italicus (Peracca, 1898)
- ✓ 164. Triturus marmoratus marmoratus (Latreille, 1800)
165. Triturus marmoratus pygmaeus (Wolterstorff, 1905)
- com 166. Triturus montandoni (Boulenger, 1880)
167. Triturus vittatus vittatus (Gray, 1835)
168. Triturus vittatus chuldaensis (Bodenheimer, 1926)
169. Triturus vittatus cilic^{ensis} (Wolterstorff, 1906)
170. Triturus vittatus ^{exubitor} ~~exubitor~~ (Wolterstorff, 1905)
171. Triturus vittatus ophryticus (Berthold, 1846)
- com 172. Triturus vulgaris ^{ampelensis} vulgaris (Linnaeus, 1758)
173. Triturus vulgaris ^{basalis} ~~basalis~~ ^{caucasicus} ~~caucasicus~~ (Wolterstorff, 1905) Triturus vulgaris dalmaticus (Kolombatovic, 1900)
- ✓ 174. Triturus vulgaris kosswigi Freytag, 1955
- ✓ 175. Triturus vulgaris lantzi (Wolterstorff, 1914)
176. Triturus vulgaris meridionalis (Boulenger, 1882)
- ✓ 177. Triturus vulgaris schreiberi (Wolterstorff, 1914)
- ✓ 178. Triturus vulgaris tomasinii (Wolterstorff, 1908)
- ? Family Amphiumidae Cope, 1866

179. Amphiuma means Garden, 1821
Amphiuma pholeter Neill, 1964
180. Amphiuma tridactylum Cuvier, 1827

Family Plethodontidae Gray, 1850

Subfamily Desmognathinae Boulenger, 1882 Cope 1866

- ✓ 181. Desmognathus ^{aeneus} aeneus Brown and Bishop, 1947
- ✓ 182. Desmognathus ^{aeneus} chermocki Bishop and Valentine, 1950
183. Desmognathus fuscus fuscus (Rafinesque, 1820)
184. Desmognathus fuscus auriculatus (Holbrook, 1838)

✓ 185. Desmognathus fuscus brimleyorum Stejneger, 1895

✓ 186. Desmognathus fuscus carri Neill, 1951

✓ 187. Desmognathus fuscus conanti Rossman, 1958 — Desmognathus fuscus welteri Barbour, 1950

Went this recently
sunk as a synonym
should be phoca

✓ 188. Desmognathus monticola monticola Dunn, 1916

✓ 189. Desmognathus monticola jeffersoni Hoffman, 1951

190. Desmognathus ochrophaeus ochrophaeus Cope, 1859

✓ 191. Desmognathus ochrophaeus carolinensis Dunn, 1916

✓ 192. Desmognathus ocoee Nicholls, 1949

✓ 193. Desmognathus perlapsus Neill, 1950

= D. ocoee
Valentine 1961 copied 3

✓ 194. Desmognathus planiceps Newman, 1955

= Desmognathus fuscus

see Martof, 1962

195. Desmognathus quadramaculatus (Holbrook, 1840)

✓ 196. Desmognathus wrighti King, 1936

✓ 197. Leurognathus marmorata marmorata Moore, 1899

✓ 198. Leurognathus marmorata aureata Martof, 1956

✓ 199. Leurognathus marmorata intermedia Pope, 1928

✓ 200. Leurognathus marmorata melania Martof, 1956

✓ 201. Leurognathus marmorata roborata Martof, 1956

Phacognathus hubrichti Highton, 1961

Subfamily Plethodontinae Boulenger, 1882 Gray, 1850

202. Aneides aeneus (Cope and Packard, 1881)

203. Aneides ferreus Cope, 1869

204. Aneides flavipunctatus flavipunctatus (Strauch, 1870)

✓ 205. Aneides flavipunctatus niger Myers and Maslin, 1948

✓ 206. Aneides hardyi (Taylor, 1941)

✓ 207. Aneides lugubris lugubris (Hallowell, 1849)

~~208. Aneides lugubris farallonensis Van Denburgh, 1895~~
1905

+ Dr. J. M. Savage
+ Dr. E. R. Dunn

I feel this
is unworthy
of a separate
name

209. Batrachoseps attenuatus (Eschscholtz, 1833)
- ? 210. Batrachoseps pacificus pacificus (Cope, 1865)
- ✓ 211. Batrachoseps pacificus catalinae, Dunn, 1922 → may be sunk
- ✓ 212. Batrachoseps pacificus leucopus Dunn, 1922 → may be sunk
- ✓ 213. Batrachoseps pacificus major Camp, 1915
- ✓ 214. Batrachoseps wrighti (Bishop, 1937)
215. Ensatina eschscholtzii eschscholtzii Gray, 1850
- ✓ 216. Ensatina eschscholtzii croceator (Cope, 1867)
- ✓ 217. Ensatina eschscholtzii klauberi Dunn, 1929
- ✓ 218. Ensatina eschscholtzii oregonensis (Girard, 1857) (56)
- ✓ 219. Ensatina eschscholtzii picta Wood, 1940 (may be sunk)
220. Ensatina eschscholtzii platensis (Espada, 1875)
- ✓ 221. Ensatina eschscholtzii xanthoptica Stebbins, 1949
222. Hemidactylum scutatum (Schlegel, 1838)
- ✓ 223. Plethodon caddoensis Pope and Pope, 1951
- ✓ 224. Plethodon cinereus cinereus (Green, 1818)
- ✓ 225. Plethodon cinereus polycentratus Highton and Grobman, 1956
- ✓ 226. Plethodon cinereus serratus Grobman, 1944
- ✓ 227. Plethodon ^{wehrlei} dixi Pope and Fowler, 1949
- ✓ 228. Plethodon dorsalis dorsalis ^{Baird W} Cope, 1889
- ✓ 229. Plethodon dorsalis angusticlavius Grobman, 1944
- ✓ 230. Plethodon dunni Bishop, 1934
- ✓ 231. Plethodon elongatus Van Denburgh, 1916
- ✓ 232. Plethodon glutinosus glutinosus (Green, 1818)
- ✓ 233. Plethodon glutinosus albagula Grobman, 1944

- ✓ 234. Plethodon glutinosus chlorobryonis Mittleman, 1951 ? } may be sunk
✓ 235. Plethodon glutinosus grobmani Allen and Neill, 1949 ?
✓ 236. Plethodon^{Adamsi} hubrichti Thurow, 1957
237. Plethodon jordani jordani Blatchley, 1901
✓ 238. Plethodon jordani clemsonae Brimley, 1927
✓ 239. Plethodon jordani melaventris Pope and Hairston, 1948
✓ 240. Plethodon jordani metcalfi Brimley, 1912
✓ 241. Plethodon jordani rabuensisⁿ Pope and Hairston, 1948
✓ 242. Plethodon jordani shermani Stejneger, 1906
✓ 243. Plethodon jordani teyahalee Hairston, 1950
✓ 244. Plethodon^{Plethodon longirostris} neomexicanus Stebbins and Reimer^{ie}, 1950
✓ 245. Plethodon ouachitae Dunn and Heintze, 1933
✓ 246. Plethodon richmondi richmondi Netting and Mittleman, 1938
✓ 247. Plethodon richmondi nettingi Green, 1938 → see Plethodon hubrichti
✓ 248. Plethodon richmondi popei Highton and Grobman, 1956
✓ 249. Plethodon^{Plethodon stormi} vandykei vandykei Van Denburgh, 1906
✓ 250. Plethodon vandykei idahoensis Slater and Slip, 1940
✓ 251. Plethodon~~larselli~~ larselli Burns, 1953
✓ 252. Plethodon vehiculum (Cooper, 1860)
✓ 253. Plethodon wehrlei^{= see P. dixi} Fowler and Dunn, 1917
✓ 254. Plethodon welleri welleri Walker, 1931
✓ 255. Plethodon welleri ventromaculatum Thurow, 1956
✓ 256. Plethodon yonahlossee Dunn, 1917
257. Stereochilus marginatus^m (Hallowell, 1857)
Subfamily Thorinae^{Bolitoglossinae} Cope, 1893^{Hallowell, 1856}

Bolitoglossa adspersa (Peters, 1863)

- 258. Bolitoglossa ahli (Unterstein, 1930) = lignicolor? - see Dunn
- 259. Bolitoglossa altamazonicus (Cope, 1874)
- ✓ 260. Bolitoglossa alvaradoi Taylor, 1954 ✓
~~260. Bolitoglossa andicola (Posada, 1909)~~ = B. adspersa
- ✓ 261. Bolitoglossa arborescendens Taylor, 1954 ✓
~~Bolitoglossa biseriata Tanner, 1962~~ = B. bilineata Lynch and Smith
- 262. Bolitoglossa borburata Trapido, 1942 ^{first done}
~~Bolitoglossa chica Brame and Wake, 1963~~ Bolitoglossa capitania Brame and Wake, 1963
- ✓ 263. Bolitoglossa colonnea (Dunn, 1924) ✓
- ✓ 264. Bolitoglossa dofleini (Werner, 1903) ✓
~~Bolitoglossa epimela Wake and Brame, 1963~~
- ✓ 265. Bolitoglossa flaviventris (Schmidt, 1936) ✓
- 266. Bolitoglossa lignicolor (Peters, 1873) ✓
- 267. Bolitoglossa mexicana ~~mexicana~~ (Dumeril, Bibron and Dumeril, 1854) See H. M. S. Herpetologica 1938
- ✓ 268. Bolitoglossa moreletii Smith, 1945 ✓
- 269. Bolitoglossa mulleri (Brocchi, 1883) ✓
^{mexicana} I'd use mexicana
- ✓ 270. Bolitoglossa occidentalis Taylor, 1941 ✓ + drop moreletii, for c
- ✓ 271. Bolitoglossa odonnelli (Stuart, 1943) ✓ one of the two can
~~Bolitoglossa palmata (Werner, 1897)~~ be used as at now
- ✓ 272. Bolitoglossa palustris Taylor, 1949 = B. lignicolor have you seen the
~~Bolitoglossa orestes Brame and Wake, 1962~~
- 273. Bolitoglossa paraensis (Unterstein, 1930) = B. altamazonica discussion of the
~~Bolitoglossa nicefori Brame and Wake, 1963~~
- 274. Bolitoglossa peruviana (Boulenger, 1883) ✓ problem by Matthews
- 275. Bolitoglossa phalarosoma Wake and Brame, 1962 + me, (Juron Way)
- 276. Bolitoglossa platydactyla (Gray, 1831) ✓
~~Bolitoglossa pumila Brame and Wake, 1963~~ Bolitoglossa resplendens McCoy and Walker, Acad. Sci., 38 (9), 1948
~~Bolitoglossa rufescens (Cope, 1869)~~ ^{riletti Holman, 1964} 318-320, 1948) ?
- 277. Bolitoglossa salvinii (Gray, 1868) ✓
~~Bolitoglossa senegalensis Brame and Wake, 1963~~
- ✓ 278. Bolitoglossa schmidtii (Dunn, 1924) Bolitoglossa ^{Schicodactyla Wake and Brame, 1966} The Commission has
~~Bolitoglossa sigma (Vallant, 1911)~~ not ruled on the
- ✓ 279. Bolitoglossa striatula (Noble, 1918) ✓ application mention
- ✓ 280. Bolitoglossa veracrucis Taylor, 1951 ✓ Therein + I don't
- 281. Bolitoglossa yucatana (Peters, 1882) ✓ expect it ever
- ✓ 282. Chiropterotriton abscondens Taylor, 1948 to do so. At any
- Bolitoglossa sooyorum Vial, 1963 rate it seems the

most reasonable com.
is to go back
to mexicana for

- Chiroptera triton sp.
- ✓ 283. Chiroptero triton arbores (Taylor, 1941)
Chiroptero triton barbouri (Schmidt, 1936)
- ✓ 284. Chiroptero triton bromeliacia (Schmidt, 1936)
- ? 285. Chiroptero triton chiroptero (Cope, 1863)
- ✓ 286. Chiroptero triton chondrostega (Taylor, 1941)
Chiroptero triton chondrostega cracens Rabb, 1958
- ✓ 287. Chiroptero triton dimidiata (Taylor, 1939)
- ✓ 288. Chiroptero triton lavae (Taylor, 1942) — Chiroptero triton magnipes Rabb, 1960
- ✓ 289. Chiroptero triton mosaueri (Woodall, 1941)
Chiroptero triton megarhinus Rabb, 1960
- ✓ 290. Chiroptero triton multidentata (Taylor, 1938)
- ✓ 291. Chiroptero triton nasalis (Dunn, 1924)
Chiroptero triton pica see Pseudoeurycea
- ✓ 292. Chiroptero triton prisca Rabb, 1956
- ✓ 293. Chiroptero triton terrestris (Taylor, 1941)
- ✓ 294. Chiroptero triton xolocalcae (Taylor, 1941)
Eurycea aquatica Rose & Bush, 1963
- ✓ 295. Eurycea bislineata bislineata (Green, 1818)
- ✓ 296. Eurycea bislineata cirrigeria (Green, 1830)
- ✓ 297. Eurycea bislineata rivicola Mittleman, 1949 no good - Conant
- ⊙ 298. Eurycea bislineata wilderiae Dunn, 1920
- ✓ 299. Eurycea latitans Smith and Potter, 1946
neotoma
- ✓ 300. Eurycea longicauda longicauda (Green, 1818)
301. Eurycea longicauda guttolineata (Holbrook, 1838)
- ✓ 302. Eurycea longicauda melanopleura (Cope, 1893)
- ✓ 303. Eurycea longicauda pernix Mittleman, 1942
304. Eurycea lucifuga Rafinesque, 1822
305. Eurycea multiplicata multiplicata (Cope, 1869)
- ✓ 306. Eurycea multiplicata griseogaster Moore and Hughes, 1941
- ✓ 307. Eurycea nana Bishop, 1941

Hasn't this
been sunk? It
isn't any good. Phil
Smith will not recognize
in his collection
reps of
ILL.

- ✓ 308. Eurycea ^{neotenes} neotenes Bishop and Wright, 1937
- ✓ 309. Eurycea ^{apterophila} apterophila Burger, Smith and Potter, 1950
- ✓ 310. Eurycea troglydites Baker, 1957
- ✓ 311. Eurycea tynerensis Moore and Hughes, 1939
312. Gyrinophilus ^{porphyriticus} danielsi (Blatchley, 1901)
- ✓ 313. Gyrinophilus ^{porphyriticus} danielsi dunni (Mittleman and Jopson, 1941)
- ✓ 314. Gyrinophilus ^{porp} danielsi polystictus (Reese, 1950) = p. danielsi
315. Gyrinophilus lutescens (Rafinesque, 1832) no good - Corant
- ✓ 316. Gyrinophilus ^{palleucus} palleucus McCrady, 1954
317. Gyrinophilus porphyriticus porphyriticus (Green, 1827) Gyrinophilus palleucus guttolineatus Brandon, 1965
- no 318. Gyrinophilus porphyriticus duryi (Weller, 1930)
- ✓ 319. Gyrinophilus porphyriticus inagnoscus (Mittleman, 1942) = p. porphyriticus
- ✓ 320. Haideotriton wallacei Carr, 1939
- ✓ 321. Hydromantes brunus Gorman, 1954
322. Hydromantes genei (Schlegel, 1838)
- ✓ 323. Hydromantes italicus italicus Dunn, 1923
- ✓ 324. Hydromantes italicus ambronii Lanza, 1954
- ✓ 325. Hydromantes italicus gormanii Lanza, 1952
- ✓ 326. Hydromantes italicus strimati Aellen, 1958
- ✓ 326. Hydromantes platycephalus (Camp, 1916)
- ✓ 327. Hydromantes shastae Gorman and Camp, 1953
- ✓ 328. Lineatriton lineola (Cope, 1865)
329. Magnadigita adpersa (Peters, 1863) = Bolitoglossa
- ✓ 330. Magnadigita brevipes Bumzahem and Smith, 1955 ✓
- ✓ 331. Magnadigita cerroensis Taylor, 1952 ✓
- ✓ 332. Magnadigita cuchumatanus (Stuart, 1943) ✓

- ✓ 333. Magnadigita dunni (Schmidt, 1933) ✓
✓ 334. Magnadigita engelhardti (Schmidt, 1936) ✓
✓ 335. Magnadigita flavimembris (Schmidt, 1936) ✓
✓ 336. Magnadigita franklini (Schmidt, 1936) ✓
✓ 337. Magnadigita helmrichi (Schmidt, 1936) ✓
✓ 338. Magnadigita hypacra Braine and Wake, 1962
✓ 338. Magnadigita lincolni (Stuart, 1943) ✓
✓ 339. Magnadigita macrinii (Lafrentz, 1930) ✓
✓ 340. Magnadigita marmorea Turner and Braine, 1961
340. Magnadigita morio (Cope, 1869) ✓
✓ 341. Magnadigita nigrescens Taylor, 1949 ✓
✓ 342. Magnadigita nigroflavescens (Taylor, 1941) ✓
✓ 343. Magnadigita omniumsanctorum Stuart, 1952 ✓
✓ 344. Magnadigita pesrubra Taylor, 1952 ✓
✓ 345. Magnadigita robusta (Cope, 1894) ✓
346. Magnadigita rostrata (Brocchi, 1883) ✓
✓ 347. Magnadigita subpalmata (Boulenger, 1896)
✓ 348. Magnadigita sulcata (Brocchi, 1883) ✓ only one specimen. The type is known + generic assignment is indeterminate.
✓ 349. Magnadigita torresi Taylor, 1952 ✓
350. Manculus quadridigitatus (Holbrook, 1842)
✓ 351. Oedipina alfaroi Dunn, 1921
✓ 352. Oedipina alleni Taylor, 1954 = ?
✓ 353. Oedipina bonitaensis Taylor, 1952 = O. uniformis
✓ 354. Oedipina collaris (Stejneger, 1907)
✓ 355. Oedipina complex (Dunn, 1924)
✓ 356. Oedipina cyclocauda Taylor, 1952 = Honduras to Panama (what Taylor considered) as uniformis
✓ 357. Oedipina elongatus (Schmidt, 1936)

- ✓ 358. Oedipina gracilis Taylor, 1952
 ✓ 359. Oedipina ignea Stuart, 1952
 ✓ 360. Oedipina inusitata Taylor, 1952
 ✓ 361. Oedipina longissima Taylor, 1952
 ✓ 362. Oedipina pacificensis Taylor, 1952
 363. Oedipina parvipes (Peters, 1879)
 ✓ 364. Oedipina ~~salvadorensis~~ ^{taylori} ~~Rand, 1952~~ ^{Stuart, 1952}
 ✓ 365. Oedipina ~~serpens~~ ^{poelzi} ~~Taylor, 1949~~ ^{Brane, 1963}
 ✓ 366. Oedipina syndactyla Taylor, 1948
 367. Oedipina uniformis Keferstein, 1868
 ✓ 368. Parvimolge praecellens Rabb, 1955
 ✓ 369. Parvimolge richardi Taylor, 1949
 ✓ 370. Parvimolge townsendi (Dunn, 1922)
 ✓ 371. Pseudoeurycea altamontana (Taylor, 1938)
 ✓ 372. Pseudoeurycea barbouri (Schmidt, 1936)
 373. Pseudoeurycea bellii (Gray, 1849)
 ✓ 374. Pseudoeurycea brunnata Bumzahem and Smith, 1955
 ? 375. Pseudoeurycea cephalica cephalica (Cope, 1865)
 ✓ 376. Pseudoeurycea cephalica manni (Taylor, 1938)
 ✓ 377. Pseudoeurycea cephalica rubrimembris (Taylor and Smith, 1945)
 ✓ 378. Pseudoeurycea cochranae (Taylor, 1943)
 ✓ 379. Pseudoeurycea expectata Stuart, 1954
 ✓ 380. Pseudoeurycea firscheini Shannon and Werler, 1955
 ✓ 381. Pseudoeurycea gadovii (Dunn, 1926)
 ✓ 382. Pseudoeurycea galeanae (Taylor, 1941)
- = uniformis
 = uniformis
 = Chiropterotriton
 = P. sulcata mamtain
- collaris
 vermicularis (Gray, 1868)

- ✓ 383. Pseudoeurycea gigantea (Taylor, 1938)
- ✓ 384. Pseudoeurycea goebeli (Schmidt, 1936) •
Pseudoeurycea suarezi Regal, 1966
385. Pseudoeurycea leprosa (Cope, 1869)
- ✓ 386. Pseudoeurycea melanomolga (Taylor, 1941)
- ✓ 387. Pseudoeurycea nigromaculata (Taylor, 1941)
- ✓ ~~388. Pseudoeurycea picadoi (Stejneger, 1911)~~ = chiropterotriton
- ✓ 389. Pseudoeurycea rex (Dunn, 1921) ○
- ✓ 390. Pseudoeurycea robertsi (Taylor, 1938)
- ✓ 391. Pseudoeurycea scandens Walker, 1955 •
- ✓ 392. Pseudoeurycea smithi (Taylor, 1938)
- ✓ Pseudoeurycea solcata (Brocchi, 1883)
- ✓ 393. Pseudoeurycea unguidentis (Taylor, 1941)
- ✓ 394. Pseudoeurycea werleri Darling and Smith, 1954 ⊗
- ✓ 395. Pseudotriton montanus montanus Baird, 1849
- ✓ 396. Pseudotriton montanus diastictus Bishop, 1941
397. Pseudotriton montanus flavissimus Hallowell, 1856
- ✓ 398. Pseudotriton montanus floridanus Netting and Goin, 1942
399. Pseudotriton ruber ruber (Sonnini, 1802)
- ✓ 400. Pseudotriton ruber nitidus Dunn, 1920
- ✓ 401. Pseudotriton ruber schencki (Brimley, 1912)
- ✓ 402. Pseudotriton ruber vioscai Bishop, 1928
- ✓ 403. Thorius dubitus Taylor, 1941
- ✓ 404. Thorius macedougalli Taylor, 1949
- ✓ Thorius maxillabrochus Gehlbach, 1959
- ✓ 405. Thorius minutissimus Taylor, 1949
- ✓ 406. Thorius narisovalis Taylor, 1939
407. Thorius pennatulus pennatulus Cope, 1869

- ✓ 408. Thorius pennatulus narismagnus Shannon and Werler, 1955
- ✓ 409. Thorius pulmonaris Taylor, 1939
- ✓ 410. Thorius schmidtii Gehlbach, 1959
- ✓ 410. Thorius troglodytes Taylor, 1941
- ✓ 411. Typhlomolge rathbuni (Stejneger, 1896)
- ✓ 412. Typhlomolge tridentata (Mitchell and Reddell, 1965)
- ✓ 412. Typhlotriton nereus Bishop, 1944 - Dowling & Boudée said this should be synonymized with spelaeus
- ✓ 413. Typhlotriton spelaeus Stejneger, 1892

Incertae familiae - Species inquirenda

414. Haptoglossa pressicauda Cope, 1893

A LIST OF THE WORLD'S FOSSIL CAUDATA

A.H.BRAME, JR.,
BIOLOGY DEPARTMENT
UNIVERSITY OF SOUTHERN
CALIFORNIA

JANUARY 15, 1958

The recent salamanders, consisting of a relatively small group, are being organized into a world check list by this author. Towards this goal, "A List of the World's Recent Caudata" was just prepared privately. It therefore seems appropriate at this time to present "A List of the World's Fossil Caudata" and it has been suggested that these forms be incorporated into the final check list. There are only a small number of fossil forms so far described (82) whereas there are some (414) recent urodeles recognized.

The author patterns this list largely upon the classification of Dr. Wolf Herre of Kiel, Germany, who is the foremost authority on the fossil salamanders. Dr. Herre's "Der derzeitige Stand unseres Wissens über die fossilen Urodelen, zugleich einige kritische Bemerkungen über Boombardia salamandriformis v. Huene", Neues Jahrb. Miner. Geol. Paläont., Monatsheft B, 1950, includes a list of the world's fossil salamanders. I do not include the Carboniferous amphibians, Cocytinus and Eriperpeton nor the Permian Lysorophus which Herre placed in his suborder Palaeurodeloidea. Furthermore, it seems best to me to retain Scapherpeton and Hemitrypus in the family Ambystomidae, suborder Salamandroidea rather than in the conglomerate Palaeurodeloidea as Herre has done. This leaves only Hylaeobatrachus croyi Dollo, 1884 in that latter suborder.

The encouragement and aid towards the development of this list comes from Dr. T. Downs, Dr. M. K. Hecht, Dr. F. E. Peabody, Dr. J. M. Savage, and Dr. R. G. Zweifel.

A.H.B. JR.
1/15/58

~~Vaughniellia~~ Kuhn, 1964
Vaughniella vrodoloides

ORDER CAUDATA Oppel, 1811

~~SUBORDER PALAEURODELOIDEA Herre, 1950~~

Hylaeobatrachidae von Huene, 1931
 Family Palaeurodelidae family novum

1. Hylaeobatrachus croyi Dollo, 1884 - L. Cret.; Belgium

SUBORDER CRYPTOBRANCHOIDEA Dunn, 1922

Family Cryptobranchidae Cope, 1889

2. ~~Andrias bohemicus~~ Laube, 1898 - Mioc.; Czechoslovakia
3. Andrias scheuchzeri (Tschudi, 1835) - U. Mioc.; Switzerland
4. ~~Andrias tschudii~~ von Meyer, 1859 - Mioc.; Switzerland
5. Cryptobranchus sp. Hay, 1923 - Pleist.; Pennsylvania & Virginia
~~Cryptobranchus mealli~~ Tihen and Chantell - L. Plioc., Nebraska
6. Cryptobranchus sp. Peterson, 1925/26 - Pleist.; Pennsylvania = Andrias matthewi (Cook)
7. Cryptobranchus alleganiensis (Daudin, 1802) - Pleist.; West Virg.
8. ~~Pliocognathus~~ Andrias matthewi Cook, 1917 - U. Mioc.- Plioc.; Nebraska

Habrosaurus dilatatus Gilmore, 1933 Sirenioidea Goodrich, 1930
~~Adelphosiren elmorei~~ Goin + Auffenberg, 1958 - Upper Cretaceous, Wyoming

Family Sirenidae Gray, 1825

- ✓ 9. Pseudobranchus robustus Goin & Auffenberg, 1955 - Pleist.; Flor.
- ✓ 10. Pseudobranchus vetustus Goin & Auffenberg, 1955 - Plioc.; Florida
- ✓ 11. Siren dunni Goin & Auffenberg, 1957 - Eoc.; Wyoming
- ✓ 12. Siren hesternus Goin & Auffenberg, 1955 - Mioc.; Florida
- ✓ 13. Siren lacertina Linnaeus, 1766 - Pleist.; Florida
- ✓ 14. Siren simpsoni Goin & Auffenberg, 1955 - Plioc.; Florida

AMBYSTOMATOIDEA
 SUBORDER SALAMANDROIDEA Cope, 1890

Family Ambystomatidae Hallowell, 1858

15. Ambystoma sp. Brown, 1909 - Pleist.; Arkansas
16. Ambystoma sp. Peabody, unpub. M.S. 1941 - Plioc.; California

1963

Ambystoma minshalli Tihen and Chantell, 1963 - L. Plioc.; Nebraska

- ✓ 17. Ambystoma hibbardi Tihen, 1955 - U. Plioc.; Kansas
~~Ambystoma kansense (Adams and Martin, 1929) M. Plioc.; Kansas~~
 ✓ 18. Ambystoma tigrinum (Green, 1825) - Pleist.; Arizona, Kans., & Ok.

19. Ambystomichnus montanensis (Peabody, 1954) - Paleoc.; Montana

- ✓ 20. Baromannia wettsteini Herre, 1955 - Mioc.; Austria

~~21. Dicamptodon sp. Peabody, unpub. M.S. 1944 - Plioc.; California~~

FAMILY SCAPHERPETONIDAE

- ✓ 22. Hemitrypus jordanianus Cope, 1876 - Cret.; Montana

~~23. Pleuroambystoma kansense (Adams and Martin, 1929) M. Plioc.; Kansas~~

Lisserpeton bairdi Estes, 1965

24. Scapherpeton excisum Cope, 1876 - Cret.; Montana

25. Scapherpeton favosum Cope, 1876 - Cret.; Montana

26. Scapherpeton laticolle Cope, 1876 - Cret.; Montana

27. Scapherpeton tectum Cope, 1876 - Cret.; Montana

- ✓ 28. Wolterstorffiella wiggeri Herre, 1950 - Paleoc.; Germany

~~SUBORDER SALAMANDROIDEA Cope, 1890~~
 Family Proteidae Tschudi, 1839

29. Orthophylia longa von Meyer, 1845 - Mioc.; Switzerland

30. Orthophylia solida von Meyer, 1853 - Mioc.; Switzerland

- ✓ 31. Palaeoproteus klatti Herre, 1935 - Eoc.; Germany

32. Proteus bavaricus Brunner, 1956 - Pleist.; Germany

~~SUBORDER~~
 Family Salamandridae Gray, 1825

Subfamily Pleurodelinae Gray, 1858 (P)

Subfamily Salamandrinae Gray, 1825 (S)

33. Chelotriton paradoxus Pomel, 1853 - Mioc.; W. Europe to So. Germ.

- ✓ 34. Gripiella mohrae Herre, 1949 - Mioc.; Germany

35. Heliarchon furcillatus von Meyer, 1864 - L. Mioc.; Switzerland

36. Megalotriton filholi Zittel, 1890 - Eoc.- Olig.; Germany

37. Megalotriton portisi De Stefano, 1903 - Eoc.- Olig.; France

- ✓ 38. Palaeopleurodeles hauffi Herre, 1941 - Mioc.; Germany

not Ambystomidae
 according to
 Coen + Pilsbry

CRYPTOBRANCHIOIDAE
 Family Scapherpetonidae

Necturidae
Comonecturoides marshi
 Reicht, Estes Jurassic, Wyoming

P
 P
 P
 S
 S
 P

- ✓ 39. Palaeosalamandra kohlitzii Herre, 1949 - Mioc.; Germany S
- ✓ 40. Palaeosalamandra renschi Herre, 1949 - Mioc.; Germany S
- ✓ 41. Palaeosalamandrina dehmi Herre, 1949 - Mioc.; Germany P
Polysemia rusconi (Costa, 1851) Cretaceous; Italy
42. Polysemia ogygia (Goldfuss, 1831) - Mioc.; Switzerland P Pleist. ~~And~~
Praesalamandra goessweinsteinia Brunner, 1957
43. Salamandra broilii Schlosser, 1922 - Olig.- Mioc.; Germany S
44. Salamandra goussardiana Lartet, 1839 - Mioc.; W. Europe S Pleist. ~~And~~
Salamandra mimula Brunner, 1957
45. Salamandra laticeps von Meyer, 1858 - Mioc.; W. Europe S Pleist. ~~And~~
Salamandra perversa Brunner, 1957
46. Salamandra pottensteinia (Brunner, 1956) - Pleist.; Germany S
Praesalamandra Salamandra sirenioides Brunner, 1957 Pleist. Germany
47. Salamandra sansaniense Lartet, 1839 - Mioc.; W. Europe S
- ✓ 48. Tischleriella buddenbrocki Herre, 1949 - Olig.; Germany P
- ✓ 49. Tischleriella langi Herre, 1949 - Mioc.; Germany P
- ✓ 50. Tischleriella remanei Herre, 1949 - Olig.; Germany P Ribes albos formid.
- ✓ 51. Tylototriton kosswigi Herre, 1949 - Mioc.; Germany P Olig. ¹ spawn (See Noble 1922)
Tylototriton sp. Sompelaro, H. and Cincunegui, m., 1926 -
- 45 Tylototriton laticeps (von Meyer, 1860) Mioc.; W. Europe P
52. Tylototriton primigenius Noble, 1928 - Mioc.; Germany P
- ✓ 53. Tylototriton weigelti Herre, 1935 - Eoc.; Germany P
- Subfamily ~~Voigtiellinae~~ subfamily novum
- ✓ 54. Voigtiella ludwigi Herre, 1949 - Mioc.; Germany
- Subfamily ~~Triturinae~~ subfamily novum
55. Archaeotriton basalticus von Meyer, 1859 - Mioc.; Czechoslovakia
56. Archaeotriton menzeli Laube, 1898 - Mioc.; W. Europe
57. Brachycormus noachicus (Goldfuss, 1831) - Mioc.; Switzerland
58. Heteroclitotriton zitteli De Stefano, 1903 - Eoc.-Olig.; France
- ✓ 59. Koalliella genzeli Herre, 1950 - Paleoc.; Germany
- ✓ 60. Oligosemia ankeli Herre, 1949 - Mioc.; Germany
- ✓ 61. Oligosemia gerhardti Herre, 1949 - Mioc.; Germany

62. Oligosemia spinosa Navas, 1922 - Olig.; Spain

✓ 63. Palaeotaricha oligocenica van Frank, 1955 - Olig.; Oregon

Notophthalmus robustus Estes, 1963 - L. Miocene; Florida

64. Taricha sp. Peabody, unpub. M.S. 1941 - Plioc.; California

65. Taricha torosa (Rathke, 1833) - Pleist.; California

66. Triturus sp. Schlosser, 1924 - Tertiary; Mongolia

67. Triturus sp. Brunner, 1956 - Pleist.; Germany (boscai like)

68. Triturus alpestris (Laurenti, 1768) - ; Germany

69. Triturus lacasianum (Lartet, 1839) - Mioc.; W. Europe

Triturus megacephalus (Costa, 1864) Cretaceous; Italy

70. Triturus opalinus (von Meyer, 1851) - Mioc.; W. Europe

✓ 71. Triturus rohri Herre, 1955 - Mioc.; Austria

72. Triturus sansaniense (Lartet, 1839) - Mioc.; W. Europe

✓ 73. Triturus schnaitheimi Herre and Lunau, 1950 - Mioc.; Germany

✓ 74. Triturus wintershofi Lunau, 1949 - Mioc.; Germany

Family Amphiumidae Cope, 1866

75. Amphiuma sp. Voigt IN Weigelt, 1932 - Eoc.; W. Europe *unlikely

76. Amphiuma means Garden, 1821 - Pleist.; Florida Brattstrom's records are doubtful

See Neill, 57

77. Amphiuma norica Brunner, 1956 - Pleist.; Germany *unlikely

✓ 78. Batrachosauroides dissimulans Taylor and Hesse, 1943 - U. Mioc.; Texas

Family Plethodontidae Gray, 1850

Subfamily Plethodontinae Gray, 1850

79. undescribed form Peterson, 1925/26 - Pleist.; Pennsylvania

*not of genus Plethodon

80. Batrachoseps sp. Peabody, unpub. M.S. 1941 - Plioc.; Calif.

Subfamily ~~Geyeriellinae~~ subfamily novum

Bolitoglossinae

see Tihen

✓ 81. Dehmiella schindewolfi Herre and Lunau, 1950 - Mioc.; Germany

✓ 82. Geyeriella mertensi Herre, 1950 - Paleoc.; Germany

Subfamily Desmognathinae

Opisthotriton kagi Auffenberg, 1961 U. Cretaceous, Wyoming

Prodesmodon copei Estes, 1964 - U. Cretaceous, Wyoming