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VOLUME 1. SECTION D

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the International Commission on Zoological Nomenclature**

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## FOREWORD

The present Section contains a further instalment of *Directions* rendered by the International Commission on Zoological Nomenclature embodying decisions taken in connection with the review of the entries made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 undertaken in pursuance of a General Directive issued to it by the Thirteenth International Congress of Zoology, Paris, 1948, as extended by a further such Directive issued by the Fourteenth International Congress of Zoology, Copenhagen, 1953. The immediately preceding Section (Section C) of the present volume contained twenty-three (23) instalments of the prescribed review—all in the form of *Directions*. In addition, prior to the commencement of the above Section, thirty-four (34) instalments had been published in other volumes of the *Opinions and Declarations* Series. Of these, thirty-two (32) had been rendered as *Opinions*<sup>1</sup> and two (2) as *Directions*<sup>2</sup>. Accordingly, at the time of the commencement of the present Section the total number of instalments already published amounted to fifty-seven (57). Thus, when account is taken of the eighteen (18) instalments contained in the present Section, the total number of instalments of the prescribed review so far published is seen to amount to seventy-five (75).

2. The present volume (Section D of Volume 1) was published in 19 Parts. It contains 484 pages (T.P.—XIV, 1—470). It is

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<sup>1</sup> The thirty-two *Opinions* here referred to are *Opinions* 136, 149, 158, 180, 192, 194, 196, 201, 210, 225, 226, 238, 239, 240, 242, 244, 259, 260, 261, 262, 271, 272, 274, 278, 279, 283, 299, 312, 320, 333, 334, 356.

<sup>2</sup> The two *Directions* concerned are *Directions* 1 and 4.

thus of substantially the same size as the preceding section (Section C) of the present volume.

3. Eighteen *Directions* are included in the present instalment. Of these, three (*Directions* 40, 42, 52) are concerned exclusively with the determination of the gender to be attributed to generic names placed on the *Official List of Generic Names in Zoology* up to the end of 1936 ; three (*Directions* 37, 44, 56) contain Rulings on various miscellaneous matters relating to the names of genera of particular Classes (Crustacea (Order Decapoda) ; Aves ; Pisces ; Amphibia ; Reptilia) on which decisions were needed as a preliminary to the publication of the foregoing *Official List* in book-form ; three *Directions* (*Directions* 36, 43, 57) contain Rulings placing on the *Official List of Specific Names in Zoology* the specific names of the type species of genera in the Classes referred to above, the names of which were placed on the *Official List of Generic Names in Zoology* in the period in question. The remaining nine *Directions* are concerned with individual cases, seven with particular names and two (*Directions* 38, 48) with the status of particular books. In two of these nine cases (*Directions* 49, 50) the International Commission found it necessary to make use of its Plenary Powers. The seven *Directions* dealing with individual names (*Directions* 39, 45, 47, 49, 50, 51, 55) contain Rulings which validate, correct or complete entries made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936.

4. The cases dealing with individual names in the present Section, including those relating to the determination of the gender of generic names placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 amount to sixteen ; of these, six contain Rulings relating to the names of taxa belonging to more than one Class of the Animal Kingdom, including one (*Direction* 42) which relates to the names of taxa belonging to no less than twenty-two Classes. The total number of cases involved in Rulings given in the *Directions* comprised in the present Section is thus fifty. The distribution by Classes of these cases is shown in the following table :—



TABLE 1

Distribution of cases by Classes in the Animal Kingdom

<i>Name of Class</i>	<i>Number of applications</i>
Rhizopoda	1
Ciliata	1
Mastigophora	1
Sporozoa	1
Neosporidia	1
Hydrozoa	1
Anthozoa	1
Cestoda	1
Trematoda	1
Nematoda	1
Nematomorpha	1
Hirudinea	1
Chaetopoda	1
Crustacea	8
Diplopoda	1
Trilobita	1
Insecta	2
Merostomata	1
Arachnida	1
Gastropoda	1
Scaphopoda	1
Pelecypoda	1
Cephalopoda	1
Brachiopoda	1
Asteroidea	1
Holothuroidea	1
Crinoidea	1
Urochorda	1
Cyclostomata	1
Pisces	2
Amphibia	3
Reptilia	3
Aves	5
Total	50

## VIII

5. The three *Directions* relating exclusively to the gender attributable to generic names placed on the *Official List* in the period up to the end of 1936 to which reference has been made in paragraph 3 above contain determinations of gender in respect of 145 generic names. These *Directions* conclude the review undertaken by the Commission from this point of view of the entries made on the *Official List of Generic Names in Zoology* in the period referred to above, save for a small number of cases where special problems are involved. The total number of generic names placed on the *Official List* in the period up to the end of 1936 amounted to 563. Gender determinations for 394 of these generic names were made in Section C of the present volume, and accordingly the determinations made in the present volume brings the total number of determinations made up to a total of 539. As regards the remaining 24 names, gender determinations have also been made for six names, the number of determinations still to be made being thus reduced to 18. The distribution by Classes of the genera for the names of which gender determinations are made in the *Directions* included in the present Section is shown in the following table :—



TABLE 2

**Distribution by Classes in the Animal Kingdom of the genera  
for the names of which gender determinations have  
been made in the present Section of Volume 1**

<i>Name of Class</i>	<i>Number of generic names for which genders have been determined</i>
Rhizopoda	2
Ciliata	1
Mastigophora	2
Sporozoa	1
Neosporidia	1
Hydrozoa	2
Anthozoa	1
Cestoda	10
Trematoda	6
Nematoda	11
Nematomorpha	2
Hirudinea	3
Chaetopoda	2
Crustacea	9
Diplopoda	1
Trilobita	1
Insecta	22
Merostomata	1
Arachnida	24
Gastropoda	15
Scaphopoda	1
Pelecypoda	6
Cephalopoda	3
Brachiopoda	2
Asteroidea	1
Holothuroidea	1
Crinoidea	5
Urochorda	6
Amphibia	1
Reptilia	1
Aves	1
Total	145

6. The *Directions* comprised in the present Section contain 529 additions to the *Official Lists* and *Official Indexes*. Of the entries so made 522 are in respect of the names of taxa of various categories and two are of the titles of zoological works. Particulars of the additions so made are given in the following table :—

TABLE 3

**Additions to the “ Official Lists ” and “ Official Indexes ” respectively**

<i>Category</i>	<i>Official Lists</i>	<i>Official Indexes</i>
Specific Names	322	22
Generic Names	8	171
Family-Group Names	1	3
Titles of Works	1	1
Totals	332	197

7. The subject index to the present Section of Volume 1 is of the same scope as, and follows the style of the corresponding index for the preceding Section (Section C) of this volume. For this index the Commission is indebted to Mrs. J. H. Newman.

**FRANCIS HEMMING**

*Secretary to the International Commission  
on Zoological Nomenclature*

28 Park Village East,  
Regent's Park,  
LONDON, N.W.1.

31st May 1957.

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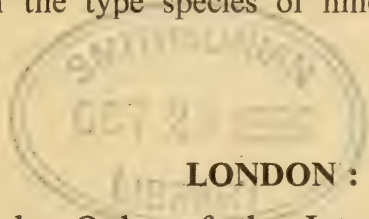
**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.1. Pp. 1—46**

## **DIRECTION 36**

Addition to the *Official List of Specific Names in Zoology* (a) of the specific names of the type species of one hundred and seventy genera of the Order Decapoda (Class Crustacea), the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 and (b) of the specific names currently treated as senior subjective synonyms of the names of the type species of nine other such genera.

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(16th December 1954)



## DIRECTION 36

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF THE TYPE SPECIES OF ONE HUNDRED AND SEVENTY GENERA OF THE ORDER DECAPODA (CLASS CRUSTACEA), THE NAMES OF WHICH WERE PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936 AND (b) OF THE SPECIFIC NAMES CURRENTLY TREATED AS SENIOR SUBJECTIVE SYNONYMS OF THE NAMES OF THE TYPE SPECIES OF NINE OTHER SUCH GENERA

**RULING :—**(1) The under-mentioned specific names of species of the Order Decapoda (Class Crustacea), each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* cited below, are hereby placed on the *Official List of Specific Names in Zoology* with the Names Numbers severally specified against the names in question :—

- (1) *gayi* Milne Edwards (H.) & Lucas, [1844], as published in the combination *Acanthocyclus gayi* (specific name of type species of *Acanthocyclus* Milne Edwards (H.) & Lucas, [1844]) (*Opinion* 73) (Name No. 765) ;
- (2) *erosa* Miers, [1877], as published in the combination *Actaeomorpha erosa* (specific name of type species of *Actaeomorpha* Miers, [1877]) (*Opinion* 73) (Name No. 766) ;
- (3) *tomentosus* Dana, 1852, as published in the combination *Actumnus tomentosus* (specific name of type species of *Actumnus* Dana, 1851) (*Opinion* 73) (Name No. 767) ;



- (4) *erinaceus* Fabricius, 1787, as published in the combination *Cancer erinaceus* (specific name of type species of *Arcania* Leach, 1817) (*Opinion* 73) (Name No. 768) ;
- (5) *sexdentatus* Paulson, 1875, as published in the combination *Archias sexdentatus* (specific name of type species of *Archias* Paulson, 1875) (*Opinion* 73) (Name No. 769) ;
- (6) *cribrarius* Lamarck, 1818, as published in the combination *Portunus cribrarius* (specific name of type species of *Arenaeus* Dana, 1851) (*Opinion* 73) (Name No. 770) ;
- (7) *integerrimus* Lamarck, 1818, as published in the combination *Cancer integerrimus* (specific name of type species of *Atergatis* de Haan, [1833]) (*Opinion* 73) (Name No. 771) ;
- (8) *signatus* Adams & White, [1849], as published in the combination *Carpilius signatus* (specific name of type species of *Atergatopsis* Milne Edwards (A.), 1862) (*Opinion* 73) (Name No. 772) ;
- (9) *armata* Milne Edwards (A.), 1869, as published in the combination *Banareia armata* (specific name of type species of *Banareia* Milne Edwards (A.), 1869) (*Opinion* 73) (Name No. 773) ;
- (10) *picta* Milne Edwards (H.), 1848, as published in the combination *Bellia picta* (specific name of type species of *Bellia* Milne Edwards (H.), 1848) (*Opinion* 73) (Name No. 774) ;
- (11) *hemingi* Alcock & Anderson, 1899, as published in the combination *Benthochascon hemingi* (specific name of type species of *Benthochascon* Alcock & Anderson, 1899) (*Opinion* 73) (Name No. 775) ;
- (12) *rouxii* Guérin-Ménéville, 1832, as published in the combination *Caphyra rouxii* (specific name of type species of *Caphyra* Guérin-Ménéville, 1832) (*Opinion* 73) (Name No. 776) ;

- (13) *maculatus* Linnaeus, 1758, as published in the combination *Cancer maculatus* (specific name of type species of *Carpilius* Desmarest, 1823) (*Opinion* 73) (Name No. 777) ;
- (14) *tristis* Dana, 1852, as published in the combination *Carpilodes tristis* (specific name of type species of *Carpilodes* Dana, 1851) (*Opinion* 73) (Name No. 778) ;
- (15) *papulosus* Stimpson, [1871], as published in the combination *Carpoporus papulosus* (specific name of type species of *Carpoporus* Stimpson, [1871]) (*Opinion* 73) (Name No. 779) ;
- (16) *tenuipes* Dana, 1852, as published in the combination *Carupa tenuipes* (specific name of type species of *Carupa* Dana, 1851) (*Opinion* 73) (Name No. 780) ;
- (17) *melanochirus* Milne Edwards (A.), 1873, as published in the combination *Chlorodopsis melanochirus* (specific name of type species of *Chlorodopsis* Milne Edwards (A.), 1873) (*Opinion* 73) (Name No. 781) ;
- (18) *tridentatus* Milne Edwards (A.), 1879, as published in the combination *Coenophthalmus tridentatus* (specific name of type species of *Coenophthalmus* Milne Edwards (A.), 1879) (*Opinion* 73) (Name No. 782) ;
- (19) *chilensis* Milne Edwards (H.) & Lucas, [1844], as published in the combination *Corystoides chilensis* (specific name of type species of *Corystoides* Milne Edwards (H.), & Lucas [1844]) (*Opinion* 73) (Name No. 783) ;
- (20) *pentagonus* Stimpson, 1858, as published in the combination *Cryptocnemus pentagonus* (specific name of type species of *Cryptocnemus* Stimpson, 1858) (*Opinion* 73) (Name No. 784) ;



- (21) *ornatus* Dana, 1852, as published in the combination *Cyclodius ornatus* (specific name of type species of *Cyclodius* Dana, 1851) (*Opinion* 73) (Name No. 785) ;
- (22) *andreossyi* Audouin, [1826], as published in the combination *Pilumnus andreossyi* (specific name of type species of *Cymo* de Hann, [1833]) (*Opinion* 73) (Name No. 786) ;
- (23) *eremita* Nobili, 1906, as published in the combination *Dacryopilumnus eremita* (specific name of type species of *Dacryopilumnus* Nobili, 1906) (*Opinion* 73) (Name No. 787) ;
- (24) *imitatrix* Hilgendorf, [1869], as published in the combination *Deckenia imitatrix* (specific name of type species of *Deckenia* Hilgendorf, [1869]) (*Opinion* 73) (Name No. 788) ;
- (25) *hispidia* Eydoux & Souleyet, 1842, as published in the combination *Domecia hispidia* (specific name of type species of *Domecia* Eydoux & Souleyet, 1842) (*Opinion* 73) (Name No. 789) ;
- (26) *tuberosus* Pennant, 1777, as published in the combination *Cancer tuberosus* (specific name of type species of *Ebalia* Leach, [1817]) (*Opinion* 73) (Name No. 790) ;
- (27) *cubensis* Stimpson, 1860, as published in the combination *Epilobocera cubensis* (specific name of type species of *Epilobocera* Stimpson, 1860) (*Opinion* 73) (Name No. 791) ;
- (28) *cessacii* Milne Edwards (A.), 1878, as published in the combination *Epimelus cessacii* (specific name of type species of *Epimelus* Milne Edwards (A.), 1878) (*Opinion* 73) (Name No. 792) ;
- (29) *isenbeckii* Brandt, 1848, as published in the combination *Platycorystes* (*Podacanthus*) *isenbeckii* (specific name of type species of *Erimacrus* Benedict, 1892) (*Opinion* 73) (Name No. 793) ;



- (30) *spinosus* Rathbun, 1894, as published in the combination *Erimetopus spinosus* (specific name of type species of *Erimetopus* Rathbun, 1894) (*Opinion* 73) (Name No. 794) ;
- (31) *dovii* Stimpson, 1860, as published in the combination *Euphylax dovii* (specific name of type species of *Euphylax* Stimpson, 1860) (*Opinion* 73) (Name No. 795) ;
- (32) *jacquemontii* Milne Edwards (H.), 1844, as published in the combination *Gecarcinucus jacquemontii* (specific name of type species of *Gecarcinucus* Milne Edwards (H.), 1844) (*Opinion* 73) (Name No. 796) ;
- (33) *amica* Smith (S.I.), 1869, as published in the combination *Hepatella amica* (specific name of type species of *Hepatella* Smith (S.I.), 1869) (*Opinion* 73) (Name No. 797) ;
- (34) *fallax* Henderson, 1893, as published in the combination *Ebalia fallax* (specific name of type species of *Heterolithadia* Alcock, 1896) (*Opinion* 73) (Name No. 798) ;
- (35) *vesiculosa* Alcock, 1896, as published in the combination *Heteronucia vesiculosus* (specific name of type species of *Heteronucia* Alcock, 1896) (*Opinion* 73) (Name No. 799) ;
- (36) *rotundifrons* Milne Edwards (A.), 1867, as published in the combination *Heterozius rotundifrons* (specific name of type species of *Heterozius* Milne Edwards (A.), 1867) (*Opinion* 73) (Name No. 800) ;
- (37) *agilis* Milne Edwards (A.), 1872, as published in the combination *Hydrothelphusa agilis* (specific name of type species of *Hydrothelphusa* Milne Edwards (A.), 1872) (*Opinion* 73) (Name No. 801) ;
- (38) *subglobosa* Stimpson, [1871], as published in the combination *Iliacantha subglobosa* (specific name of type species of *Iliacantha* Stimpson, [1871]) (*Opinion* 73) (Name No. 802) ;

- (39) *spongiosus* Adams & White, [1849], as published in the combination *Iphiculus spongiosus* (specific name of type species of *Iphiculus* Adams & White [1849]) (*Opinion* 73) (Name No. 803) ;
- (40) *cylindricus* Fabricius, 1777, as published in the combination *Cancer cylindricus* (specific name of type species of *Ixa* Leach, 1815) (*Opinion* 73) (Name No. 804) ;
- (41) *jurinei* Saussure, 1853, as published in the combination *Guaia (Ilia) jurinei* (specific name of type species of *Leucosilia* Bell, 1855) (*Opinion* 73) (Name No. 805) ;
- (42) *polybioides* Adams & White, [1849], as published in the combination *Lissocarcinus polybioides* (specific name of type species of *Lissocarcinus* Adams & White, [1849]) (*Opinion* 73) (Name No. 806) ;
- (43) *cumingii* Bell, 1855, as published in the combination *Lithadia cumingii* (specific name of type species of *Lithadia* Bell, 1855) (*Opinion* 73) (Name No. 807) ;
- (44) *rotundatus* Adams & White, [1849], as published in the combination *Lupocyclus rotundatus* (specific name of type species of *Lupocyclus* Adams & White, [1849]) (*Opinion* 73) (Name No. 808) ;
- (45) *lambriformis* Milne Edwards (A.), 1873, as published in the combination *Merocryptus lambriformis* (specific name of type species of *Merocryptus* Milne Edwards (A.), 1873) (*Opinion* 73) (Name No. 809) ;
- (46) *eudactylus* Bell, 1855, as published in the combination *Myrodes eudactylus* (specific name of type species of *Myrodes* Bell, 1855) (*Opinion* 73) (Name No. 810) ;
- (47) *speciosa* Dana, 1852, as published in the combination *Nucia speciosa* (specific name of type species of *Nucia* Dana, 1852) (*Opinion* 73) (Name No. 811) ;



- (48) *hardwickii* Leach, 1817, as published in the combination *Nursia hardwickii* (specific name of type species of *Nursia* Leach, 1817) (*Opinion* 73) (Name 812) ;
- (49) *dentata* Bell, 1855, as published in the combination *Nursilia dentata* (specific name of type species of *Nursilia* Bell, 1855) (*Opinion* 73) (Name No. 813) ;
- (50) *lamelligera* Stimpson, 1858, as published in the combination *Onychomorpha lamelligera* (specific name of type species of *Onychomorpha* Stimpson, 1858) (*Opinion* 73) (Name No. 814) ;
- (51) *horridus* Rüppell, 1830, as published in the combination *Oreophorus horridus* (specific name of type species of *Oreophorus* Rüppell, 1830) (*Opinion* 73) (Name No. 815) ;
- (52) *tuberosa* Stimpson, [1871], as published in the combination *Osachila tuberosa* (specific name of type species of *Osachila* Stimpson, [1871]) (*Opinion* 73) (Name No. 816) ;
- (53) *milneedwardsii* Miers, 1886, as published in the combination *Paracyclois milne-edwardsii* (specific name of type species of *Paracyclois* Miers, 1886) (*Opinion* 73) (Name No. 817) ;
- (54) *tridentata* Milne Edwards (H.), 1853, as published in the combination *Parathelphusa tridentata* (specific name of type species of *Parathelphusa* Milne Edwards (H.), 1853) (*Opinion* 73) (Name No. 818) ;
- (55) *orientalis* Miers, 1886, as published in the combination *Lupocyclus* (*Parathranites*) *orientalis* (specific name of type species of *Parathranites* Miers, 1886) (*Opinion* 73) (Name No. 819) ;
- (56) *alcocki* Wood-Mason, 1891, as published in the combination *Parilia alcocki* (specific name of type species of *Parilia* Wood-Mason, 1891) (*Opinion* 73) (Name No. 820) ;



- (57) *coronata* Alcock & Anderson, 1894, as published in the combination *Randallia coronata* (specific name of type species of *Pariphiculus* Alcock, 1896) (*Opinion* 73) (Name No. 821) ;
- (58) *crassipes* Bell, 1855, as published in the combination *Phlyxia crassipes* (specific name of type species of *Phlyxia* Bell, 1855) (*Opinion* 73) (Name No. 822) ;
- (59) *denticulatus* Montagu, 1808, as published in the combination *Cancer denticulatus* (specific name of type species of *Pirimela* Leach, [1816]) (*Opinion* 73) (Name No. 823) ;
- (60) *gaudichaudii* Milne Edwards (H.), 1837, as published in the combination *Platymera gaudichaudii* (specific name of type species of *Platymera* Milne Edwards (H.), 1837) (*Opinion* 73) (Name No. 824) ;
- (61) *henslowii* Leach, [1820], as published in the combination *Polybius henslowii* (specific name of type species of *Polybius* Leach, [1820]) (*Opinion* 73) (Name No. 825) ;
- (62) *armatus* Milne Edwards (H.), 1853, as published in the combination *Potamocarcinus armatus* (specific name of type species of *Potamocarcinus* Milne Edwards (H.), 1853) (*Opinion* 73) (Name No. 826) ;
- (63) *perlata* Milne Edwards (H.), 1837, as published in the combination *Thelpheusa* [sic] *perlata* (specific name of type species of *Potamonautes* Macleay, 1838) (*Opinion* 73) (Name No. 827) ;
- (64) *tridentata* Miers, 1879, as published in the combination *Pseudophilyra tridentata* (specific name of type species of *Pseudophilyra* Miers, 1879) (*Opinion* 73) (Name No. 828) ;
- (65) *americana* Saussure, 1857, as published in the combination *Pseudothelphusa americana* (specific name of type species of *Pseudothelphusa* Saussure, 1857) (*Opinion* 73) (Name No. 829) ;

- (66) *ornata* Randall, 1840, as published in the combination *Ilia ornata* (specific name of type species of *Randallia* Stimpson, 1857) (*Opinion* 73) (Name No. 830) ;
- (67) *nodosus* Bell, 1855, as published in the combination *Oreophorus nodosus* (specific name of type species of *Speloeophorus* Milne Edwards (A.), 1865) (*Opinion* 73) (Name No. 831) ;
- (68) *bedoti* Zehnter, 1894, as published in the combination *Sphaerocarcinus bedoti* (specific name of type species of *Sphaerocarcinus* Zehnter, 1894) (*Opinion* 73) (Name No. 832) ;
- (69) *serratus* Forskål, 1775, as published in the combination *Cancer serratus* (specific name of type species of *Scylla* de Haan, [1833]) (*Opinion* 73) (Name No. 833) ;
- (70) *admete* Herbst, [1803], as published in the combination *Cancer admete* (specific name of type species of *Thalamita* Latreille, 1829) (*Opinion* 73) (Name No. 834) ;
- (71) *quadridens* Milne Edwards (A.), 1869, as published in the combination *Thalamitoides quadridens* (specific name of type species of *Thalamitoides* Milne Edwards (A.), 1869) (*Opinion* 73) (Name No. 835) ;
- (72) *danae* Milne Edwards (A.), 1869, as published in the combination *Goniosoma danae* (specific name of type species of *Thalamonyx* Milne Edwards (A.), 1873) (*Opinion* 73) (Name No. 836) ;
- (73) *muriger* Adams & White, [1849], as published in the combination *Tlos muriger* (specific name of type species of *Tlos* Adams & White, [1849]) (*Opinion* 73) (Name No. 837) ;
- (74) *corallinus* Faxon, 1893, as published in the combination *Trachycarcinus corallinus* (specific name of type species of *Trachycarcinus* Faxon, 1893) (*Opinion* 73) (Name No. 838) ;



- (75) *fluviatilis* Latreille, [1828], as published in the combination *Trichodactylus fluviatilis* (specific name of type species of *Trichodactylus* Latreille, [1828]) (*Opinion* 73) (Name No. 839) ;
- (76) *nobile* Milne Edwards (A.), 1880, as published in the combination *Trichopeltarion nobile* (specific name of type species of *Trichopeltarion* Milne Edwards (A.), 1880) (*Opinion* 73) (Name No. 840) ;
- (77) *serrata* White, 1847, as published in the combination *Valdivia serrata* (specific name of type species of *Valdivia* White, 1847) (*Opinion* 73) (Name No. 841) ;
- (78) *parvula* Stimpson, 1858, as published in the combination *Acmaeopleura parvula* (specific name of type species of *Acmaeopleura* Stimpson, 1858) (*Opinion* 85) (Name No. 842) ;
- (79) *inaequipes* Stimpson, 1858, as published in the combination *Asthenognathus inaequipes* (specific name of type species of *Asthenognathus* Stimpson, 1858) (*Opinion* 85) (Name No. 843) ;
- (80) *typhlus* Milne Edwards (A.), 1880, as published in the combination *Bathyplox typhlus* (specific name of type species of *Bathyplox* Milne Edwards (A.), 1880) (*Opinion* 85) (Name No. 844) ;
- (81) *sexdentatum* Stimpson, 1858, as published in the combination *Camptandrium sexdentatum* (specific name of type species of *Camptandrium* Stimpson, 1858) (*Opinion* 85) (Name No. 845) ;
- (82) *coppingeri* Miers, 1884, as published in the combination *Camptoplax coppingeri* (specific name of type species of *Camptoplax* Miers, 1884) (*Opinion* 85) (Name No. 846) ;
- (83) *nitidus* Milne Edwards (A.), 1870, as published in the combination *Catoptrus nitidus* (specific name of type species of *Catoptrus* Milne Edwards (A.), 1870) (*Opinion* 85) (Name No. 847) ;



- (84) *ciliatus* Stimpson, 1858, as published in the combination *Ceratoplax ciliatus* (specific name of type species of *Ceratoplax* Stimpson, 1858) (*Opinion* 85) (Name No. 848) ;
- (85) *typicus* Rathbun, 1898, as published in the combination *Chasmocarcinus typicus* (specific name of type species of *Chasmocarcinus* Rathbun, 1898) (*Opinion* 85) (Name No. 849) ;
- (86) *balansae* Milne Edwards (A.), 1873, as published in the combination *Clistocoeloma balansae* (specific name of type species of *Clistocoeloma* Milne Edwards (A.), 1873) (*Opinion* 85) (Name No. 850) ;
- (87) *angulatus* Dana, 1851, as published in the combination *Cyrtograpsus angulatus* (specific name of type species of *Cyrtograpsus* Dana, 1851) (*Opinion* 85) (Name No. 851) ;
- (88) *nitidus* Smith (S.I.), 1870, as published in the combination *Dissodactylus nitidus* (specific name of type species of *Dissodactylus* Smith (S.I.), 1870) (*Opinion* 85) (Name No. 852) ;
- (89) *carinipes* de Man, 1889, as published in the combination *Durckheimia carinipes* (specific name of type species of *Durckheimia* de Man, 1889) (*Opinion* 85) (Name No. 853) ;
- (90) *liguricus* Milne Edwards (H.), 1853, as published in the combination *Euchirograpsus liguricus* (specific name of type species of *Euchirograpsus* Milne Edwards (H.), 1853) (*Opinion* 85) (Name No. 854) ;
- (91) *crenatus* de Haan, [1835], as published in the combination *Cancer (Eucrate) crenatus* (specific name of type species of *Eucrate* de Haan, [1835]) (*Opinion* 85) (Name No. 855) ;

- (92) *agassizii* Milne Edwards (A.), 1880, as published in the combination *Eucratodes agassizii* (specific name of type species of *Eucratodes* Milne Edwards (A.), 1880) (*Opinion* 85) (Name No. 856) ;
- (93) *crassimanus* Dana, 1851, as published in the combination *Eucrate crassimanus* (specific name of type species of *Eucratopsis* Smith (S.I.), 1869) (*Opinion* 85) (Name No. 857) ;
- (94) *deplanatus* Cano, 1889, as published in the combination *Euryetisus deplanatus* (specific name of type species of *Euryetisus* Cano, 1889) (*Opinion* 85) (Name No. 858) ;
- (95) *nitidus* Stimpson, 1859, as published in the combination *Euryplax nitidus* (specific name of type species of *Euryplax* Stimpson, 1859) (Name No. 859) ;
- (96) *limosa* Say, 1818, as published in the combination *Cancer limosa* (specific name of type species of *Eurytium* Stimpson, 1859) (*Opinion* 85) (Name No. 860) ;
- (97) *subquadrata* Dana, 1851, as published in the combination *Fabia subquadrata* (specific name of type species of *Fabia* Dana, 1851) (*Opinion* 85) (Name No. 861) ;
- (98) *bispinosus* Herbst, [1783], as published in the combination *Cancer bispinosus* (specific name of type species of *Galene* de Haan, [1833]) (*Opinion* 85) (Name No. 862) ;
- (99) *tridens* Krøyer, 1837, as published in the combination *Geryon tridens* (specific name of type species of *Geryon* Krøyer, 1837) (*Opinion* 85) (Name No. 863) ;
- (100) *impressus* Smith (S.I.), 1870, as published in the combination *Glyptograpsus impressus* (specific name of type species of *Glyptograpsus* Smith (S.I.), 1870) (*Opinion* 85) (Name No. 864) ;

- (101) *pugnax* Smith (S.I.), 1870, as published in the combination *Glyptoplax pugnax* (specific name of type species of *Glyptoplax* Smith (S.I.), 1870) (*Opinion* 85) (Name No. 865) ;
- (102) *bicornis* Gray (J.E.), 1831, as published in the combination *Gomezia bicornis* (specific name of type species of *Gomezia* Gray (J.E.), 1831) (*Opinion* 85) (Name No. 866) ;
- (103) *fragifer* de Haan, [1835], as published in the combination *Cancer (Halimede) fragifer* (specific name of type species of *Halimede* de Haan, [1835]) (*Opinion* 85) (Name No. 867) ;
- (104) *tridens* de Haan, [1835], as published in the combination *Ocypode (Helice) tridens* (specific name of type species of *Helice* de Haan, [1835]) (*Opinion* 85) (Name 868) ;
- (105) *lugubris* Alcock, 1899, as published in the combination *Hephthopelta lugubris* (specific name of type species of *Hephthopelta* Alcock, 1899) (*Opinion* 85) (Name No. 869) ;
- (106) *sexpes* Fabricius, 1798, as published in the combination *Cancer sexpes* (specific name of type species of *Hexapus* de Haan, [1833]) (*Opinion* 85) (Name No. 870) ;
- (107) *haematocheir* de Haan, [1835], as published in the combination *Grapsus (Pachysoma) haematocheir* (specific name of type species of *Holometopus* Milne Edwards (H.), 1853) (*Opinion* 85) (Name No. 871) ;
- (108) *trapeziformis* Nauck, 1880, as published in the combination *Holothuriophilus trapeziformis* (specific name of type species of *Holothuriophilus* Nauck, 1880) (*Opinion* 85) (Name No. 872) ;



- (109) *rodgersii* Stimpson, 1858, as published in the combination *Lachnopus rodgersii* (specific name of type species of *Lachnopus* Stimpson, 1858) (*Opinion* 85) (Name No. 873) ;
- (110) *exaratus* Milne Edwards (H.), 1834, as published in the combination *Chlorodius exaratus* (specific name of type species of *Leptodius* Milne Edwards (A.), 1863) (*Opinion* 85) (Name No. 874) ;
- (111) *rubromaculatus* de Haan, [1833], as published in the combination *Cancer (Liagore) rubromaculatus* (specific name of type species of *Liagore* de Haan, [1833]) (*Opinion* 85) (Name No. 875) ;
- (112) *nitidus* Milne Edwards (A.), 1867, as published in the combination *Libystes nitidus* (specific name of type species of *Libystes* Milne Edwards (A.), 1867) (*Opinion* 85) (Name No. 876) ;
- (113) *cinctimanus* White, [1849], as published in the combination *Carpilius cinctimanus* (specific name of type species of *Liomera* Dana, 1851) (*Opinion* 85) (Name No. 877) ;
- (114) *leanus* Rathbun, 1898, as published in the combination *Lipaesthesius leanus* (specific name of type species of *Lipaesthesius* Rathbun, 1898) (*Opinion* 85) (Name No. 878) ;
- (115) *bispinosa* Kinahan, 1856, as published in the combination *Litocheira bispinosa* (specific name of type species of *Litocheira* Kinahan, 1856) (*Opinion* 85) (Name No. 879) ;
- (116) *bella* Stimpson, 1860, as published in the combination *Xantho bella* (specific name of type species of *Lophopanopeus* Rathbun, 1898) (*Opinion* 85) (Name No. 880) ;
- (117) *dilatipes* Adams & White, [1849], as published in the combination *Pilumnus dilatipes* (specific name of type species of *Lophopilumnus* Miers, 1886) (*Opinion* 85) (Name No. 881) ;

- (118) *tesselatus* Latreille, 1812, as published in the combination *Grapsus tessellatus* (specific name of type species of *Lybia* Milne Edwards (H.), 1834) (*Opinion* 85) (Name No. 882) ;
- (119) *thalamita* Stimpson, [1871], as published in the combination *Melybia thalamita* (specific name of type species of *Melybia* Stimpson, [1871]) (*Opinion* 85) (Name No. 883) ;
- (120) *rousseauxi* Milne Edwards (H.), 1853, as published in the combination *Metasesarma rousseauxi* (specific name of type species of *Metasesarma* Milne Edwards (H.), 1853) (*Opinion* 85) (Name No. 884) ;
- (121) *truncatus* Stimpson, [1860], as published in the combination *Metopocarcinus truncatus* (specific name of type species of *Metopocarcinus* Stimpson, [1860]) (*Opinion* 85) (Name No. 885) ;
- (122) *sculptipes* Stimpson, [1871], as published in the combination *Micropanope sculptipes* (specific name of type species of *Micropanope* Stimpson, [1871]) (*Opinion* 85) (Name No. 886) ;
- (123) *nitidus* Milne Edwards (A.), 1873, as published in the combination *Notonyx nitidus* (specific name of type species of *Notonyx* Milne Edwards (A.), 1873) (*Opinion* 85) (Name No. 887) ;
- (124) *granulatus* Rathbun, 1893, as published in the combination *Oediplax granulatus* (specific name of type species of *Oediplax* Rathbun, 1893) (*Opinion* 85) (Name No. 888) ;
- (125) *macgillivrayi* White, 1852, as published in the combination *Ommatocarcinus macgillivrayi* (specific name of type species of *Ommatocarcinus* White, 1852) (*Opinion* 85) (Name No. 889) ;
- (126) *transversus* Rathbun, 1893, as published in the combination *Opisthopus transversus* (specific name of type species of *Opisthopus* Rathbun, 1893) (*Opinion* 85) (Name No. 890) ;



- (127) *microps* Alcock & Anderson, 1894, as published in the combination *Xanthodes microps* (specific name of type species of *Orphnoxanthus* Alcock, 1898) (*Opinion* 85) (Name No. 891) ;
- (128) *depressa* Stimpson, [1871], as published in the combination *Panoplax depressa* (specific name of type species of *Panoplax* Stimpson, [1871]) (*Opinion* 85) (Name No. 892) ;
- (129) *neapolitana* Kossmann, 1878, as published in the combination *Paragalene neapolitana* (specific name of type species of *Paragalene* Kossmann, 1878) (*Opinion* 85) (Name No. 893) ;
- (130) *euagora* de Man, 1895, as published in the combination *Parapanope euagora* (specific name of type species of *Parapanope* de Man, 1895) (*Opinion* 85) (Name No. 894) ;
- (131) *roseus* Nobili, 1906, as published in the combination *Parapleurophrycoides roseus* (specific name of type species of *Parapleurophrycoides* Nobili, 1906) (*Opinion* 85) (Name No. 895) ;
- (132) *planissimus* Herbst, [1804], as published in the combination *Cancer planissimus* (specific name of type species of *Percnon* Gistel, 1848) (*Opinion* 85) (Name No. 896) ;
- (133) *excelsus* Heller, 1862, as published in the combination *Perigrapsus excelsus* (specific name of type species of *Perigrapsus* Heller, 1862) (*Opinion* 85) (Name No. 897) ;
- (134) *perlatus* Poeppig, 1836, as published in the combination *Hepatus perlatus* (specific name of type species of *Pilumnoides* Milne Edwards (H.) & Lucas, [1844]) (*Opinion* 85) (Name No. 898) ;
- (135) *hirtellus* Linnaeus, 1761, as published in the combination *Cancer hirtellus* (specific name of type species of *Pilumnus* Leach, 1815) (*Opinion* 85) (Name No. 899) ;



- (136) *hirtipes* Heller, [1865], as published in the combination *Pinnaxodes hirtipes* (specific name of type species of *Pinnaxodes* Heller, [1865]) (*Opinion* 85) (Name No. 900) ;
- (137) *cylindricum* Say, 1818, as published in the combination *Pinnotheres cylindricum* (specific name of type species of *Pinnixa* White, 1846) (*Opinion* 85) (Name No. 901) ;
- (138) *laevigata* Milne Edwards (H.) & Lucas, [1844], as published in the combination *Pinnotherelia laevigata* (specific name of type species of *Pinnotherelia* Milne Edwards (H.), & Lucas, [1844]) (*Opinion* 85) (Name No. 902) ;
- (139) *spectabilis* de Man, 1896, as published in the combination *Platychirograpsus spectabilis* (specific name of type species of *Platychirograpsus* de Man, 1896) (*Opinion* 85) (Name No. 903) ;
- (140) *gracilipes* Alcock, 1894, as published in the combination *Platypilumnus gracilipes* (specific name of type species of *Platypilumnus* Alcock, 1894) (*Opinion* 85) (Name No. 904) ;
- (141) *orbignyi* Milne Edwards (H.) & Lucas, [1844], as published in the combination *Xantho orbignyi* (specific name of type species of *Platyxanthus* Milne Edwards (A.), 1863) (*Opinion* 85) (Name No. 905) ;
- (142) *cupulifer* Latreille, 1825, as published in the combination *Pilumnus cupulifer* (specific name of type species of *Polydectus* Milne Edwards (H.), 1837) (*Opinion* 85) (Name No. 906) ;
- (143) *spinicarpus* Milne Edwards (H.), 1852, as published in the combination *Prionoplax spinicarpus* (specific name of type species of *Prionoplax* Milne Edwards (H.), 1852) (*Opinion* 85) (Name No. 907) ;

- (144) *gigas* Lamarck, 1818, as published in the combination *Cancer gigas* (specific name of type species of *Pseudocarcinus* Milne Edwards (H.), 1834) (*Opinion* 85) (Name No. 908) ;
- (145) *carinata* Ortmann, 1894, as published in the combination *Pseudopinnixa carinata* (specific name of type species of *Pseudopinnixa* Ortmann, 1894) (*Opinion* 85) (Name No. 909) ;
- (146) *quadridentata* Latreille, 1825, as published in the combination *Melia quadridentata* (specific name of type species of *Pseudorhombila* Milne Edwards (H.), 1837) (*Opinion* 85) (Name No. 910) ;
- (147) *stridulans* Wood-Mason, 1892, as published in the combination *Psopheticus stridulans* (specific name of type species of *Psopheticus* Wood-Mason, 1892) (*Opinion* 85) (Name No. 911) ;
- (148) *glaber* Stimpson, 1858, as published in the combination *Ptychognathus glaber* (specific name of type species of *Ptychognathus* Stimpson, 1858) (*Opinion* 85) (Name No. 912) ;
- (149) *granulosus* Milne Edwards (A.), 1879, as published in the combination *Pyxidognathus granulosus* (specific name of type *Pyxidognathus* Milne Edwards (A.), 1879) (*Opinion* 85) (Name No. 913) ;
- (150) *harrisii* Gould, 1841, as published in the combination *Pilumnus harrisii* (specific name of type species of *Rhithropanopeus* Rathbun, 1898) (*Opinion* 85) (Name No. 914) ;
- (151) *gracilipes* Stimpson, 1858, as published in the combination *Rhizopa gracilipes* (specific name of type species of *Rhizopa* Stimpson, 1858) (*Opinion* 85) (Name No. 915) ;
- (152) *convexus* Milne Edwards (A.), 1867, as published in the combination *Ruppellioides convexus* (specific name of type species of *Ruppellioides* Milne Edwards ((A.), 1867) (*Opinion* 85) (Name No. 916) ;



- (153) *crassum* Dana, 1851, as published in the combination *Samartium crassum* (specific name of type species of *Samartium* Dana, 1851) (*Opinion* 85) (Name No. 917) ;
- (154) *spinosipes* Stimpson, 1858, as published in the combination *Scalopidia spinosipes* (specific name of type species of *Scalopidia* Stimpson, 1858) (*Opinion* 85) (Name No. 918) ;
- (155) *granulatus* Rathbun, 1893, as published in the combination *Scleroplax granulatus* (specific name of type species of *Scleroplax* Rathbun, 1893) (*Opinion* 85) (Name No. 919) ;
- (156) *carolinensis* Stimpson, 1859, as published in the combination *Speocarcinus carolinensis* (specific name of type species of *Speocarcinus* Stimpson, 1859) (*Opinion* 85) (Name No. 920) ;
- (157) *nitidus* Stimpson, 1858, as published in the combination *Sphaerozius nitidus* (specific name of type species of *Sphaerozius* Stimpson, 1858) (*Opinion* 85) (Name No. 921) ;
- (158) *bidentatus* Milne Edwards (A.), 1880, as published in the combination *Xanthodes bidentatus* (specific name of type species of *Tetraxanthus* Rathbun, 1898) (*Opinion* 85) (Name No. 922) ;
- (159) *scabripes* Rathbun, 1898, as published in the combination *Tetrias scabripes* (specific name of type species of *Tetrias* Rathbun, 1898) (*Opinion* 85) (Name No. 923) ;
- (160) *anomalipes* Miers, 1881, as published in the combination *Thaumastoplax anomalipes* (specific name of type species of *Thaumastoplax* Miers, 1881) (*Opinion* 85) (Name No. 924) ;
- (161) *gracilipes* White, 1847, as published in the combination *Utica gracilipes* (specific name of type species of *Utica* White, 1847) (*Opinion* 85) (Name No. 925) ;



- (162) *litteratus* Fabricius, 1798, as published in the combination *Cancer litteratus* (specific name of type species of *Varuna* Milne Edwards (H.), 1830) (*Opinion* 85) (Name No. 926) ;
- (163) *murigera* White, 1846, as published in the combination *Xanthasia murigera* (specific name of type species of *Xanthasia* White, 1846) (*Opinion* 85) (Name No. 927) ;
- (164) *sternberghii* Stimpson, 1859, as published in the combination *Xanthodius sternberghii* (specific name of type species of *Xanthodius* Stimpson, 1859) (*Opinion* 85) (Name No. 928) ;
- (165) *moebii* Richters, 1880, as published in the combination *Xenophthalmodes moebii* (specific name of type species of *Xenophthalmodes* Richters, 1880) (*Opinion* 85) (Name No. 929) ;
- (166) *pinnotheroides* White, 1846, as published in the combination *Xenophthalmus pinnotheroides* (specific name of type species of *Xenophthalmus* White, 1846) (*Opinion* 85) (Name No. 930) ;
- (167) *aeneus* Linnaeus, 1758, as published in the combination *Cancer aeneus* (specific name of type species of *Zosimus* Leach, 1823) (*Opinion* 85) (Name No. 931) ;
- (168) *carinipes* Heller, 1861, as published in the combination *Zozymodes carinipes* (specific name of type species of *Zozymodes* Heller, 1861) (*Opinion* 85) (Name No. 932) ;
- (169) *pagurus* Linnaeus, 1758, as published in the combination *Cancer pagurus* (specific name of type species of *Cancer* Linnaeus, 1758) (*Opinion* 104) (Name No. 933) ;
- (170) *norvegicus* Linnaeus, 1758, as published in the combination *Cancer norvegicus* (specific name of type species of *Nephrops* [Leach], [1814]) (*Opinion* 104) (Name No. 934).

(2) The under-mentioned specific names, each of which is currently regarded as a senior subjective synonym of the specific name of the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the *Opinion* cited against the name in question, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (1) *savignyi* (correction of *savignii*) Milne Edwards (H.), 1834, as published in the combination of *Cancer savignii* (*Opinion* 73) (Name No. 935) ;
- (2) *superba* Costa, 1838, as published in the combination *Portunus superba* (*Opinion* 73) (Name No. 936) ;
- (3) *punctatus* Linnaeus, 1767, as published in the combination *Cancer punctatus* (*Opinion* 73) (Name No. 937) ;
- (4) *vigil* Weber, 1795, as published in the combination *Portunus vigil* (*Opinion* 73) (Name No. 938) ;
- (5) *cheiragonus* Tilesius, 1815, as published in the combination *Cancer cheiragonus* (*Opinion* 73) (Name No. 939) ;
- (6) *frontalis* Milne Edwards (H.), 1834, as published in the combination *Ozius frontalis* (*Opinion* 85) (Name No. 940) ;
- (7) *rhomboides* Linnaeus, 1758, as published in the combination *Cancer rhomboides* (*Opinion* 85) (Name No. 941) ;
- (8) *barbiger* Poeppig, 1836, as published in the combination *Gecarcinus barbiger* (*Opinion* 85) (Name No. 942) ;
- (9) *minutus* Linnaeus, 1758, as published in the combination *Cancer minutus* (*Opinion* 85) (Name No. 943).

(3) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid*



*Specific Names in Zoology* with the Name No. 335 :—  
*savignii* Milne Edwards (H.), 1834, as published in the combination *Cancer savignii* (an Invalid Original Spelling for *savignyi*).

(4) The dates attributed to the under-mentioned specific names in the *Opinions* specified below are hereby corrected as follows :—

- (1) *rouxii* Guérin-Ménéville, as published in the combination *Caphyra rouxii* (*Opinion* 73) : date to be corrected from 1830 to 1832 ;
- (2) *amica* Smith (S.I.), as published in the combination *Hepatella amica* (*Opinion* 73) : date to be corrected from 1870 to 1869 ;
- (3) *signatus* Adams & White, as published in the combination *Carpilius signatus* (*Opinion* 73) : date to be corrected from 1848 to [1849] ;
- (4) *spongiosus* Adams & White, as published in the combination *Iphiculus spongiosus* (*Opinion* 73) : date to be corrected from 1848 to [1849] ;
- (5) *polybioides* Adams & White, as published in the combination *Lissocarcinus polybioides* (*Opinion* 73) : date to be corrected from 1848 to [1849] ;
- (6) *rotundatus* Adams & White, as published in the combination *Lupocyclus rotundatus* (*Opinion* 73) : date to be corrected from 1848 to [1849] ;
- (7) *muriger* Adams & White, as published in the combination *Tlos muriger* (*Opinion* 73) : date to be corrected from 1848 to [1849] ;
- (8) *fluviatilis* Latreille, as published in the combination *Trichodactylus fluviatilis* (*Opinion* 73) : date to be corrected from 1825 to [1828] ;
- (9) *cinctimanus* Adams & White, as published in the combination *Carpilius cinctimanus* (*Opinion* 85) : date to be corrected from 1848 to [1849] ;



- (10) *laevigata* Milne Edwards (H.) & Lucas, as published in the combination *Pinnotherelia laevigata* (*Opinion* 85) : date to be corrected from 1843 to [1844] ;
- (11) *orbignyi* Milne Edwards (H.) & Lucas, as published in the combination *Xantho orbignyi* (*Opinion* 85) : date to be corrected from 1843 to [1844] ;
- (12) *tesselatus* Latreille, as published in the combination *Graspus tessellatus* (*Opinion* 85) : date to be corrected from 1818 to 1812.

## I.—THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific names of the species which are the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* prior to the opening of that Congress should, if the oldest available names for the species concerned, be placed on the *Official List of Specific Names in Zoology* and that in other cases there should be placed on that *List* whatever is currently considered to be the oldest available names for the species concerned. The present, which is the second of this series of *Directions*, is concerned with the names of the type species of genera of the Order Decapoda (Class Crustacea), the names of which were placed on the *Official List of Generic Names in Zoology* in the pre-Lisbon (1935) period. The total number of such generic names is one hundred and ninety. At the time of the submission of the proposals relating to the names with which the present *Direction* is concerned, decisions on three names had been taken on separate *Directions*, proposals on three others had been published in the *Bulletin of Zoological Nomenclature* and were awaiting decision by the Commission, while in two other cases the material so far collected was not considered

sufficient for framing proposals for the consideration of the Commission. The number of names on which proposals were submitted to the Commission amounted therefore to one hundred and eighty-two. In the case of three of these names additional information received during the Prescribed Voting Period led to the withdrawal of the proposals submitted in order to permit of the further examination of the issues so raised (paragraph 4 below). Accordingly, the present *Direction* contains decisions on one hundred and seventy-nine of the names involved. The proposals which formed the basis of the decisions taken by the Commission in the present case were submitted by the Secretary in the following paper on 19th September 1955 :—

**Proposed addition to the “ Official List of Specific Names in Zoology ”  
of the specific names of the type species of one hundred and seventy-  
three genera of the Order Decapoda (Class Crustacea), the  
names of which were placed on the “ Official List of Generic  
Names in Zoology ” in the period up to the end of 1936  
and of nine specific names which are currently  
treated as senior subjective synonyms of the  
names of type species of such genera**

By FRANCIS HEMMING, C.M.G., C.B.E.,  
(*Secretary to the International Commission on Zoological Nomenclature*)

The purpose of the present paper is to lay recommendations before the International Commission to enable it to comply, so far as concerns names of species of the Order Decapoda (Class Crustacea), with a General Directive issued to it by the Thirteenth International Congress of Zoology, Paris, 1948. This Directive stated that the specific names of the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, should be placed on the *Official List of Specific Names in Zoology*, save where any given such name is not the oldest available name for the taxon concerned, in which case the oldest available name, whatever it may be, is to be placed on that *Official List*.

2. It will be recalled that, in a paper (Z.N.(S.) 906) which I submitted to the Commission on 11th February last, with Voting Paper V.P.(O.M.)(55)6, I dealt, so far as the Crustacea Decapoda are concerned, with the first of the two principle stages (namely the determination of the gender of each name) involved in completing the entries on the *Official List of Generic Names in Zoology* made in the pre-Lisbon (1935) period, as a preliminary to the publication of the volume containing the first instalment of the *Official Lists*. In that paper I reported that in the period under review the names of one hundred and ninety genera of Decapoda had been placed on the *Official List*.



3. In compiling the present proposals, I have, as on previous similar occasions, consulted such catalogues, checklists and monographs as are available. I have also consulted Dr. Isobel Gordon (*British Museum (Natural History), London*), who has rendered the most valuable assistance in this matter. In both of the two principal *Opinions* concerned (*Opinions* 73 and 85) a note was added in every case where the applicant (the late Miss Mary Rathbun) was of the opinion that the name of the type species of any given genus was a junior subjective synonym of some other name. Dr. Gordon points out that Miss Rathbun was the leading authority of her day in this group and that it is likely that her synonymisations, which were most carefully made, have been generally followed by later workers. It is accordingly believed that the 173 specific names of type species shown in Annexe 1 to the present paper are the oldest available names for the species concerned. Similarly, it is believed that in the case of the nine genera specified in Column (2) of Annexe 2, the name of the type species is a junior subjective synonym of the name specified in Column (1) in that Annexe.

4. The eight generic names as regards the names of the type species of which no proposals are now submitted are the following :—(1) All outstanding questions have been settled in regard to the following three generic names, which have formed the subject of individual *Directions* by the Commission :—*Astacus* (*Direction* 12) ; *Penaeus* (*Direction* 15) ; *Favus* (*Direction* 25). (2) In the following three cases action under the Plenary Powers is required and proposals have been published in the *Bulletin of Zoological Nomenclature*<sup>1</sup>:—*Iphis* (*Bull.* 11 : 79—81) ; *Homalaspis* (*Bull.* 11 : 83—85) ; *Homarus* (*Bull.* 11 : 114—116). (3) The two remaining names are *Daira* and *Chasmagnathus*. As regards each of these proposals for action under the Plenary Powers will, it is proposed, be submitted at an early date, in the first case for the purpose of validating the generic name *Daira*, in the second case, for the purpose of validating the specific name of the type species of *Chasmagnathus*.

5. In twelve cases investigations undertaken in this Office have shown that the date given for a particular name at the time when it was placed on the *Official List* was incorrect. In some cases (e.g. Adams & White, *The Voyage of H.M.S. Samarang*) Miss Rathbun accepted the date printed on the Title Page as the date of publication, but later investigations have shown that publication did not take place until a later year. In some of the cases of this kind the date of a generic name already placed on the *Official List* is affected as well as the name of the type species of such a genus. Proposals for the necessary corrections, so far as specific names are concerned, are submitted in Annexe 3 to the present paper.

<sup>1</sup> Decisions have since been taken by the International Commission on each of these cases and the decisions have been embodied in *Directions* which will be published in the present Section of Volume 1. The *Directions* concerned are : (i) *Direction* 49 (*Iphis*) ; (ii) *Direction* 50 (*Homalaspis*) ; (iii) *Direction* 51 (*Homarus*).



6. In all cases where a specific name consists of a noun in the genitive singular based upon the modern patronymic of a man, to which was added a double "i" in place of a single "i", the form with a double "i" has been retained in accordance with the decision on that subject taken by the Copenhagen (1953) Congress.<sup>2</sup> In one case, a name based upon a modern patronymic, (Savigny), was incorrectly formed by the substitution of the letter "i" for the letter "y", the name being published in the form "*savignii*". In this case, in accordance with another of the decisions taken by the Copenhagen Congress<sup>3</sup> the form of the name has been corrected to *savignyi*.

7. In two cases (*Ebalia* ; *Portumnus*) the author of a generic name introduced a new name for the type species, at the same time specifying the previously published name for which his new specific name was a substitute. In each of the cases concerned, the new (substitute) name was unnecessary and is invalid as being a junior objective synonym of the name which it was intended to replace. In both these cases the older (valid) specific name and not the objectively identical junior synonym is treated as the name of the type species of the genus concerned.<sup>4</sup>

8. In the case of the name *Podophthalmus* Lamarck, 1801, the name of the type species (*Podophthalmus* [sic] *spinosus* Lamarck, 1801) is currently treated as a junior subjective synonym of *Portunus vigil* Fabricius, 1798 (*Suppl. Ent. syst.* : 363). However, the latter name is a junior homonym of *Portunus vigil* Weber, 1795 (*Nomencl. Ent. syst. Fabric.* : 93). So many of the names in Weber's ill-starred little book are *nomina nuda* that as a first step I consulted it to see what Weber had actually said. For the benefit of anyone who has never had occasion to look at this book, I should explain that Weber did not give individual diagnoses either for the genera or for the species included by him in it. What he did commonly do, however, was to divide up into groups the species placed by him in any given genus and to provide a few words (in Latin) to differentiate from one another the groups so established. It is only on the rare occasions when Weber placed a single species in a group that the words given as a definition for that group become also a definition for the species placed in it. The present is an example of this unusual situation, for in the first of the groups which he established within the genus *Portunus*, Weber placed only one species, *Portunus vigil*. In consequence this name is not a *nomen nudum*, but the indication given is so extremely brief, being simply "thor. utr. bid.", that it might not be sufficient to permit of the identification of Weber's species. In that case the name *Portunus vigil* Weber, though an available name, would be a *nomen dubium*. Weber's book was, as its title indicates, a preview of

<sup>2</sup> See 1953, *Copenhagen Decisions zool. Nomencl.* : 54, Decision 91.

<sup>3</sup> See 1953, *Copenhagen Decisions zool. Nomencl.* : 51—52, Decision 86(1)(b).

<sup>4</sup> This procedure has since been formalised by the Ruling given in *Declaration 21* (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 12 : i—viii).

what Fabricius at that time intended to write in his *Supplementum Entomologiae systematicae*. Where, as happened in the present case, Weber cited a specific name which he knew was a manuscript name destined by Fabricius first to see the light of day in his *Supplementum*, he added the letter "S" after the specific name concerned. The presence of this notation after the name *vigil* in Weber's book opened the possibility that in addition to being a senior primary homonym of *Portunus vigil* Fabricius, 1798 (the year in which that author's *Supplementum* was published), the name *Portunus vigil* Weber might be also a senior objective synonym of *P. vigil* Fabricius. At this point I sought the views of two leading specialists, namely, Dr. Fenner A. Chace, Jr. (U.S. National Museum, Washington, D.C., U.S.A.) and Dr. L. B. Holthuis (Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands). Each of these specialists agreed that the name *Portunus vigil* Weber and *Portunus vigil* Fabricius were applicable to the same species, Dr. Chace pointing out that there are very few Portunid crabs with two lateral teeth on each side of the carapace and Dr. Holthuis drawing attention to the significance to be attached to the addition by Weber of the letter "S" after the name *vigil*. Both explained that the name *Portunus vigil* Weber appeared to have been overlooked in the literature and that this binomen was in consequence currently attributed to Fabricius, 1798. Both were agreed that no confusion or difficulty need be apprehended if in future this name were to be attributed to Weber instead of to Fabricius. Since the change involved is one of authorship and date only and does not involve a change of name, I do not anticipate that anyone would consider it necessary for the Commission to use its Plenary Powers in order to suppress Weber's name for the purpose of validating the same name as used by Fabricius for the same species three years later. I accordingly share the view expressed by the foregoing specialists that this is a case where the normal priority rule can properly be allowed to operate. In the proposals submitted in the present paper I accordingly recommend (Annexe 2) that the name *vigil* Weber, 1795, as published in the combination *Portunus vigil*, should, as the oldest name subjectively available for the type species of the genus *Podophthalmus* Lamarck, 1801, be placed on the *Official List of Specific Names in Zoology*.

9. The recommendations which are now submitted for the consideration of the Commission are as follows :—

- (a) that the one-hundred and seventy-three specific names specified in Annexe 1, each of which is the specific name of the type species of a genus of Crustacea Decapoda, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, should now be placed on the *Official List of Specific Names in Zoology* (paragraph 3);
- (b) that the nine specific names specified in Annexe 2, each of which is a senior subjective synonym of the specific name of the type species of a genus of Crustacea Decapoda, the name of which



was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, should now be placed on the *Official List of Specific Names in Zoology* (paragraph 3) ;

- (c) that in the case of the twelve names specified in Annexe 3, for each of which an incorrect date of publication was cited in the *Opinion* concerned, the correct date, as shown in Column (3) of the said Annexe, be entered on the *Official List of Specific Names in Zoology* (paragraph 5) ;

## ANNEXE 1

Specific names of type species of genera of Decapod Crustacea now proposed for addition to the "Official List of Specific Names in Zoology "

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>Opinion 73</i>		
<i>gayi</i> Milne Edwards & Lucas, [1844]	<i>Acanthocyclus gayi</i>	<i>Acanthocyclus</i> Milne Edwards & Lucas, [1844]
<i>erosa</i> Miers, [1877]	<i>Actaeomorpha erosa</i>	<i>Actaeomorpha</i> Miers, [1877]
<i>tomentosus</i> Dana, 1852	<i>Actumnus tomentosus</i>	<i>Actumnus</i> Dana, 1851
<i>erinaceus</i> Fabricius, 1787	<i>Cancer erinaceus</i>	<i>Arcania</i> Leach, 1817
<i>sexdentatus</i> Paulson, 1875	<i>Archias sexdentatus</i>	<i>Archias</i> Paulson, 1875
<i>cribrarius</i> Lamarck, 1818	<i>Portunus cribrarius</i>	<i>Arenaeus</i> Dana, 1851
<i>integerrimus</i> Lamarck, 1818	<i>Cancer integerrimus</i>	<i>Atergatis</i> de Haan, [1833]
<i>signatus</i> Adams & White, [1849]	<i>Carpilius signatus</i>	<i>Atergatopsis</i> Milne Edwards, 1862
<i>armata</i> Milne Edwards, 1869	<i>Banareia armata</i>	<i>Banareia</i> Milne Edwards, 1869



<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>picta</i> Milne Edwards, 1848	<i>Bellia picta</i>	<i>Bellia</i> Milne Edwards, 1848
<i>hemingi</i> Alcock & Anderson, 1899	<i>Benthochascon hemingi</i>	<i>Benthochascon</i> Alcock & Anderson, 1899
<i>rouxii</i> Guérin- Ménéville, 1832	<i>Caphyra rouxii</i>	<i>Caphyra</i> Guérin- Ménéville, 1832
<i>maculatus</i> Linnaeus, 1758	<i>Cancer maculatus</i>	<i>Carpilius</i> Desmarest, 1823
<i>tristis</i> Dana, 1852	<i>Carpilodes tristis</i>	<i>Carpilodes</i> Dana, 1851
<i>papulosus</i> Stimpson, [1871]	<i>Carpoporus papulosus</i>	<i>Carpoporus</i> Stimpson, [1871]
<i>tenuipes</i> Dana, 1852	<i>Carupa tenuipes</i>	<i>Carupa</i> Dana, 1851
<i>melanochirus</i> Milne Edwards, 1873	<i>Chlorodopsis melanochirus</i>	<i>Chlorodopsis</i> Milne Edwards, 1873
<i>tridentatus</i> Milne Edwards, 1879	<i>Coenophthalmus tridentatus</i>	<i>Coenophthalmus</i> Milne Edwards, 1879
<i>chilensis</i> Milne Edwards & Lucas, [1844]	<i>Corystoides chilensis</i>	<i>Corystoides</i> Milne Edwards & Lucas [1844]
<i>pentagonus</i> Stimpson, 1858	<i>Cryptocnemus pentagonus</i>	<i>Cryptocnemus</i> Stimpson, 1858
<i>ornatus</i> Dana, 1852	<i>Cyclodius ornatus</i>	<i>Cyclodius</i> Dana, 1851
<i>andreossyi</i> Audouin, [1826]	<i>Pilumnus andreossyi</i>	<i>Cymo</i> de Haan, [1833]
<i>ermita</i> Nobili, 1906	<i>Dacryopilumnus ermita</i>	<i>Dacryopilumnus</i> Nobili, 1906
<i>imitatrix</i> Hilgendorf, [1869]	<i>Deckenia imitatrix</i>	<i>Deckenia</i> Hilgendorf, [1869]
<i>hispida</i> Eydoux & Souleyet, 1842	<i>Domecia hispida</i>	<i>Domecia</i> Eydoux & Souleyet, 1842
<i>tuberosus</i> Pennant, 1777	<i>Cancer tuberosus</i>	<i>Ebalia</i> Leach, [1817]
<i>cubensis</i> Stimpson, 1860	<i>Epilobocera cubensis</i>	<i>Epilobocera</i> Stimpson, 1860
<i>cessacii</i> Milne Edwards, 1878	<i>Epimelus cessacii</i>	<i>Epimelus</i> Milne Edwards, 1878

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(1)	(2)	(3)
<i>isenbeckii</i> Brandt, 1848	<i>Platycorystes</i> ( <i>Podacanthus</i> ) <i>isenbeckii</i>	<i>Erimacrus</i> Benedict, 1892
<i>spinosus</i> Rathbun, 1894	<i>Erimetopus</i> <i>spinosus</i>	<i>Erimetopus</i> Rathbun, 1894
<i>dovii</i> Stimpson, 1860	<i>Euphylax dovii</i>	<i>Euphylax</i> Stimpson, 1860
<i>jaquemontii</i> Milne Edwards, 1844	<i>Gecarcinucus</i> <i>jaquemontii</i>	<i>Gecarcinucus</i> Milne Edwards, 1844
<i>amica</i> Smith, 1869	<i>Hepatella amica</i>	<i>Hepatella</i> Smith, 1869
<i>fallax</i> Henderson, 1893	<i>Ebalia fallax</i>	<i>Heterolithadia</i> Alcock, 1896
<i>vesiculosa</i> Alcock, 1896	<i>Heteronucia</i> <i>vesiculosa</i>	<i>Heteronucia</i> Alcock, 1896
<i>rotundifrons</i> Milne Edwards, 1867	<i>Heterozius</i> <i>rotundifrons</i>	<i>Heterozius</i> Milne Edwards, 1867
<i>agilis</i> Milne Edwards, 1872	<i>Hydrothelphusa</i> <i>agilis</i>	<i>Hydrothelphusa</i> Milne Edwards, 1872
<i>sublobosa</i> Stimpson, [1871]	<i>Iliacantha</i> <i>subglobosa</i>	<i>Iliacantha</i> Stimpson, [1871]
<i>spongiosus</i> Adams & White, [1849]	<i>Iphiculus</i> <i>spongiosus</i>	<i>Iphiculus</i> Adams & White, [1849]
<i>cylindricus</i> Fabricius, 1777	<i>Cancer cylindricus</i>	<i>Ixa</i> Leach, 1815
<i>jurinei</i> Saussure, 1853	<i>Guaia</i> ( <i>Ilia</i> ) <i>jurinei</i>	<i>Leucosilia</i> Bell, 1855
<i>polybioides</i> Adams & White, [1849]	<i>Lissocarcinus</i> <i>polybioides</i>	<i>Lissocarcinus</i> Adams & White [1849]
<i>cumingii</i> Bell, 1855	<i>Lithadia cumingii</i>	<i>Lithadia</i> Bell, 1855
<i>rotundatus</i> Adams & White, [1849]	<i>Lupocyclus</i> <i>rotundatus</i>	<i>Lupocyclus</i> Adams & White [1849]
<i>lambriformis</i> Milne Edwards, 1873	<i>Merocryptus</i> <i>lambriformis</i>	<i>Merocryptus</i> Milne Edwards, 1873
<i>eudactylus</i> Bell, 1855	<i>Myrodes eudactylus</i>	<i>Myrodes</i> Bell, 1855
<i>speciosa</i> Dana, 1852	<i>Nucia speciosa</i>	<i>Nucia</i> Dana, 1852
<i>hardwickii</i> Leach, 1817	<i>Nursia hardwickii</i>	<i>Nursia</i> Leach, 1817
<i>dentata</i> Bell, 1855	<i>Nursilia dentata</i>	<i>Nursilia</i> Bell, 1855

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Zoology"*

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name specified in  
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which species  
specified in Col. 1  
is the type species*

(1)

(2)

(3)

<i>lamelligera</i> Stimpson, 1858	<i>Onychomorpha lamelligera</i>	<i>Onychomorpha</i> Stimpson, 1858
<i>horridus</i> Rüppell, 1830	<i>Oreophorus horridus</i>	<i>Oreophorus</i> Rüppell, 1830
<i>tuberosa</i> Stimpson, [1871]	<i>Osachila tuberosa</i>	<i>Osachila</i> Stimpson, [1871]
<i>milne-edwardsii</i> Miers, 1886	<i>Paracyclois milne-edwardsii</i>	<i>Paracyclois</i> Miers, 1886
<i>tridentata</i> Milne Edwards, 1853	<i>Parathelphusa tridentata</i>	<i>Parathelphusa</i> Milne Edwards, 1853
<i>orientalis</i> Miers, 1886	<i>Lupocyclus (Parathranites) orientalis</i>	<i>Parathranites</i> Miers, 1886
<i>alcocki</i> Wood-Mason, 1891	<i>Parilia alcocki</i>	<i>Parilia</i> Wood-Mason, 1891
<i>coronata</i> Alcock & Anderson, 1894	<i>Randallia coronata</i>	<i>Pariphiculus</i> Alcock, 1896
<i>crassipes</i> Bell, 1855	<i>Phlyxia crassipes</i>	<i>Phlyxia</i> Bell, 1855
<i>denticulatus</i> Montagu, 1808	<i>Cancer denticulatus</i>	<i>Pirimela</i> Leach, [1816]
<i>gaudichaudii</i> Milne Edwards, 1837	<i>Platymera gaudichaudii</i>	<i>Platymera</i> Milne Edwards, 1837
<i>henslowii</i> Leach, [1820]	<i>Polybius henslowii</i>	<i>Polybius</i> Leach, [1820]
<i>latipes</i> Pennant, 1777	<i>Cancer latipes</i>	<i>Portumnus</i> [Leach], [1814]
<i>armatus</i> Milne Edwards, 1853	<i>Potamocarcinus armatus</i>	<i>Potamocarcinus</i> Milne Edwards, 1853
<i>perlata</i> Milne Edwards, 1837	<i>Thelphusa</i> [sic] <i>perlata</i>	<i>Potamonautes</i> Macleay, 1838
<i>tridentata</i> Miers, 1879	<i>Pseudophilyra tridentata</i>	<i>Pseudophilyra</i> Miers, 1879
<i>americana</i> Saussure, 1857	<i>Pseudothelphusa americana</i>	<i>Pseudothelphusa</i> Saussure, 1857
<i>ornata</i> Randall, 1840	<i>Ilia ornata</i>	<i>Randallia</i> Stimpson, 1857
<i>nodosus</i> Bell, 1855	<i>Oreophorus nodosus</i>	<i>Speloeophorus</i> Milne Edwards, 1865



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(1)	(2)	(3)
<i>bedoti</i> Zehnter, 1894	<i>Sphaerocarcinus bedoti</i>	<i>Sphaerocarcinus Zehnter, 1894</i>
<i>serratus</i> Forskal, 1775	<i>Cancer serratus</i>	<i>Scylla de Haan, [1833]</i>
<i>admete</i> Herbst, [1803]	<i>Cancer admete</i>	<i>Thalamita Latreille, 1829</i>
<i>quadridens</i> Milne Edwards, 1869	<i>Thalamitoides quadridens</i>	<i>Thalamitoides Milne Edwards, 1869</i>
<i>danae</i> Milne Edwards, 1869	<i>Goniosoma danae</i>	<i>Thalamonyx Milne Edwards, 1873</i>
<i>muriger</i> Adams & White, [1849]	<i>Tlos muriger</i>	<i>Tlos Adams &amp; White, [1849]</i>
<i>corallinus</i> Faxon, 1893	<i>Trachycarcinus corallinus</i>	<i>Trachycarcinus Faxon, 1893</i>
<i>fluviatilis</i> Latreille, [1828]	<i>Trichodactylus fluviatilis</i>	<i>Trichodactylus Latreille, [1828]</i>
<i>nobile</i> Milne Edwards, 1880	<i>Trichopeltarion nobile</i>	<i>Trichopeltarion Milne Edwards, 1880</i>
<i>serrata</i> White, 1847	<i>Valdivia serrata</i>	<i>Valdivia White, 1847</i>

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<i>parvula</i> Stimpson, 1858	<i>Acmaeopleura parvula</i>	<i>Acmaeopleura Stimpson, 1858</i>
<i>inaequipes</i> Stimpson, 1858	<i>Asthenognathus inaequipes</i>	<i>Asthenognathus Stimpson, 1858</i>
<i>typhlus</i> Milne Edwards, 1880	<i>Bathyplox typhlus</i>	<i>Bathyplox Milne Edwards, 1880</i>
<i>sexdentatum</i> Stimpson, 1858	<i>Camptandrium sexdentatum</i>	<i>Camptandrium Stimpson, 1858</i>
<i>coppingeri</i> Miers, 1884	<i>Camptoplax coppingeri</i>	<i>Camptoplax Miers, 1884</i>
<i>nitidus</i> Milne Edwards, 1870	<i>Catoptrus nitidus</i>	<i>Catoptrus Milne Edwards, 1870</i>
<i>ciliatus</i> Stimpson, 1858	<i>Ceratoplax ciliatus</i>	<i>Ceratoplax Stimpson, 1858</i>
<i>typicus</i> Rathbun, 1898	<i>Chasmocarcinus typicus</i>	<i>Chasmocarcinus Rathbun, 1898</i>

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(1)	(2)	(3)
<i>balansae</i> Milne Edwards, 1873	<i>Clistocoeloma balansae</i>	<i>Clistocoeloma</i> Milne Edwards, 1873
<i>angulatus</i> Dana, 1851	<i>Cyrtograpsus angulatus</i>	<i>Cyrtograpsus</i> Dana, 1851
<i>nitidus</i> Smith, 1870	<i>Dissodactylus nitidus</i>	<i>Dissodactylus</i> Smith, 1870
<i>carinipes</i> de Man, 1889	<i>Durckheimia carinipes</i>	<i>Durckheimia</i> de Man, 1889
<i>liguricus</i> Milne Edwards, 1853	<i>Euchirograpsus liguricus</i>	<i>Euchirograpsus</i> Milne Edwards, 1853
<i>crenatus</i> de Haan, [1835]	<i>Cancer (Eucrate) crenatus</i>	<i>Eucrate</i> de Haan, [1835]
<i>agassizii</i> Milne Edwards, 1880	<i>Eucratodes agassizii</i>	<i>Eucratodes</i> Milne Edwards, 1880
<i>crassimanus</i> Dana, 1851	<i>Eucrate crassimanus</i>	<i>Eucratopsis</i> Smith, 1869
<i>deplanatus</i> Cano, 1889	<i>Euryetisus deplanatus</i>	<i>Euryetisus</i> Cano, 1889
<i>nitidus</i> Stimpson, 1859	<i>Euryplax nitidus</i>	<i>Euryplax</i> Stimpson, 1859
<i>limosa</i> Say, 1818	<i>Cancer limosa</i>	<i>Eurytium</i> Stimpson, 1859
<i>subquadrata</i> Dana, 1851	<i>Fabia subquadrata</i>	<i>Fabia</i> Dana, 1851
<i>bispinosus</i> Herbst, [1783]	<i>Cancer bispinosus</i>	<i>Galene</i> de Haan, [1833]
<i>tridens</i> Krøyer, 1837	<i>Geryon tridens</i>	<i>Geryon</i> Krøyer, 1837
<i>impressus</i> Smith, 1870	<i>Glyptograpsus impressus</i>	<i>Glyptograpsus</i> Smith, 1870
<i>pugnax</i> Smith, 1870	<i>Glyptoplax pugnax</i>	<i>Glyptoplax</i> Smith, 1870
<i>bicornis</i> Gray, 1831	<i>Gomeza bicornis</i>	<i>Gomeza</i> Gray, 1831
<i>fragifer</i> de Haan, [1835]	<i>Cancer (Halimede) fragifer</i>	<i>Halimede</i> de Haan, [1835]
<i>tridens</i> de Haan, [1835]	<i>Ocypode (Helice) tridens</i>	<i>Helice</i> de Haan, [1833]

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(1)	(2)	(3)
<i>lugubris</i> Alcock, 1899	<i>Hephthopelta lugubris</i>	<i>Hephthopelta</i> Alcock, 1899
<i>sexpes</i> Fabricius, 1798	<i>Cancer sexpes</i>	<i>Hexapus</i> de Haan, [1833]
<i>haematocheir</i> de Haan, [1835]	<i>Grapsus (Pachysoma) haematocheir</i>	<i>Holometopus</i> Milne Edwards, 1853
<i>trapeziformis</i> Nauck, 1880	<i>Holothuriophilus trapeziformis</i>	<i>Holothuriophilus</i> Nauck, 1880
<i>rodgersii</i> Stimpson, 1858	<i>Lachnopus rodgersii</i>	<i>Lachnopus</i> Stimpson, 1858
<i>exaratus</i> Milne Edwards, 1834	<i>Chlorodius exaratus</i>	<i>Leptodius</i> Milne Edwards, 1863
<i>rubromaculatus</i> de Haan, [1833]	<i>Cancer (Liagore) rubromaculatus</i>	<i>Liagore</i> de Haan, [1833]
<i>nitidus</i> Milne Edwards, 1867	<i>Libystes nitidus</i>	<i>Libystes</i> Milne Edwards, 1867
<i>cinctimanus</i> White, [1849]	<i>Carpilius cinctimanus</i>	<i>Liomera</i> Dana, 1851
<i>leanus</i> Rathbun, 1898	<i>Lipaesthesius leanus</i>	<i>Lipaesthesius</i> Rathbun, 1898
<i>bispinosa</i> Kinahan, 1856	<i>Litocheira bispinosa</i>	<i>Litocheira</i> Kinahan, 1856
<i>bella</i> Stimpson, 1860	<i>Xantho bella</i>	<i>Lophopanopeus</i> Rathbun, 1898
<i>dilatipes</i> Adams & White, [1849]	<i>Pilumnus dilatipes</i>	<i>Lophopilumnus</i> Miers, 1886
<i>tesselatus</i> Latreille, 1812	<i>Grapsus tessellatus</i>	<i>Lybia</i> Milne Edwards, 1834
<i>thalamita</i> Stimpson, [1871]	<i>Melybia thalamita</i>	<i>Melybia</i> Stimpson, [1871]
<i>rousseauxi</i> Milne Edwards, 1853	<i>Metasesarma rousseauxi</i>	<i>Metasesarma</i> Milne Edwards, 1853
<i>truncatus</i> Stimpson, 1860	<i>Metopocarcinus truncatus</i>	<i>Metopocarcinus</i> Stimpson, [1860]
<i>sculptipes</i> Stimpson, [1871]	<i>Micropanope sculptipes</i>	<i>Micropanope</i> Stimpson, [1871]



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(1)	(2)	(3)
<i>nitidus</i> Milne Edwards, 1873	<i>Notonyx nitidus</i>	<i>Notonyx</i> Milne Edwards, 1873
<i>granulatus</i> Rathbun, 1893	<i>Oediplax granulatus</i>	<i>Oediplax</i> Rathbun, 1893
<i>macgillivrayi</i> White, 1852	<i>Ommatocarcinus macgillivrayi</i>	<i>Ommatocarcinus</i> White, 1852
<i>transversus</i> Rathbun, 1893	<i>Opisthopus transversus</i>	<i>Opisthopus</i> Rathbun, 1893
<i>microps</i> Alcock & Anderson, 1894	<i>Xanthodes microps</i>	<i>Orphnoxanthus</i> Alcock, 1898
<i>depressa</i> Stimpson, [1871]	<i>Panoplax depressa</i>	<i>Panoplax</i> Stimpson, [1871]
<i>neapolitana</i> Kossmann, 1878	<i>Paragalene neapolitana</i>	<i>Paragalene</i> Kossman, 1878
<i>euagora</i> de Man, 1895	<i>Parapanope euagora</i>	<i>Parapanope</i> de Man, 1895
<i>roseus</i> Nobili, 1906	<i>Parapleuophrycoides roseus</i>	<i>Parapleuophrycoides</i> Nobili, 1906
<i>planissimus</i> Herbst, [1804]	<i>Cancer planissimus</i>	<i>Percnon</i> Gistel, 1848
<i>excelsus</i> Heller, 1862	<i>Perigrapsus excelsus</i>	<i>Perigrapsus</i> Heller, 1862
<i>perlatus</i> Poeppig, 1836	<i>Hepatus perlatus</i>	<i>Pilumnoides</i> Milne Edwards & Lucas, [1844]
<i>hirtellus</i> Linnaeus, 1761	<i>Cancer hirtellus</i>	<i>Pilumnus</i> Leach, 1815
<i>hirtipes</i> Heller, [1865]	<i>Pinnaxodes hirtipes</i>	<i>Pinnaxodes</i> Heller, [1865]
<i>cylindricum</i> Say, 1818	<i>Pinnotheres cylindricum</i>	<i>Pinnixa</i> White, 1846
<i>laevigata</i> Milne Edwards & Lucas [1844]	<i>Pinnotherelia laevigata</i>	<i>Pinnotherelia</i> Milne Edwards & Lucas [1844]
<i>pisum</i> Linnaeus, 1767	<i>Cancer pisum</i>	<i>Pinnotheres</i> Latreille, [1802—1803]

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(1)	(2)	(3)
<i>spectabilis</i> de Man, 1896	<i>Platychirograpsus spectabilis</i>	<i>Platychirograpsus</i> de Man, 1896
<i>gracilipes</i> Alcock, 1894	<i>Platypilumnus gracilipes</i>	<i>Platypilumnus</i> Alcock, 1894
<i>orbignyi</i> Milne Edwards & Lucas [1844]	<i>Xantho orbignyi</i>	<i>Platyxanthus</i> Milne Edwards, 1863
<i>cupulifer</i> Latreille, 1825	<i>Pilumnus cupulifer</i>	<i>Polydectus</i> Milne Edwards, 1837
<i>spinicarpus</i> Milne Edwards, 1852	<i>Prionoplax spinicarpus</i>	<i>Prionoplax</i> Milne Edwards, 1852
<i>gigas</i> Lamarck, 1818	<i>Cancer gigas</i>	<i>Pseudocarcinus</i> Milne Edwards, 1834
<i>carinata</i> Ortmann, 1894	<i>Pseudopinnixa carinata</i>	<i>Pseudopinnixa</i> Ortmann, 1894
<i>quadridentata</i> Latreille, 1825	<i>Melia quadridentata</i>	<i>Pseudorhombila</i> Milne Edwards, 1837
<i>stridulans</i> Wood- Mason, 1892	<i>Psopheticus stridulans</i>	<i>Psopheticus</i> Wood- Mason, 1892
<i>glaber</i> Stimpson, 1858	<i>Ptychognathus glaber</i>	<i>Ptychognathus</i> Stimpson, 1858
<i>granulosus</i> Milne Edwards, 1879	<i>Pyxidognathus granulosus</i>	<i>Pyxidognathus</i> Milne Edwards, 1879
<i>harrisii</i> Gould, 1841	<i>Pilumnus harrisii</i>	<i>Rhithropanopeus</i> Rathbun, 1898
<i>gracilipes</i> Stimpson, 1858	<i>Rhizopa gracilipes</i>	<i>Rhizopa</i> Stimpson, 1858
<i>convexus</i> Milne Edwards, 1867	<i>Ruppellioides convexus</i>	<i>Ruppellioides</i> Milne Edwards, 1867
<i>crassum</i> Dana, 1851	<i>Samartium crassum</i>	<i>Samartium</i> Dana, 1851
<i>spinosipes</i> Stimpson, 1858	<i>Scalopidia spinosipes</i>	<i>Scalopidia</i> Stimpson, 1858
<i>granulatus</i> Rathbun, 1893	<i>Scleroplax granulatus</i>	<i>Scleroplax</i> Rathbun, 1893
<i>carolinensis</i> Stimpson, 1859	<i>Speocarcinus carolinensis</i>	<i>Speocarcinus</i> Stimpson, 1859

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(1)	(2)	(3)
<i>nitidus</i> Stimpson, 1858	<i>Sphaerozium nitidus</i>	<i>Sphaerozium</i> Stimpson, 1858
<i>bidentatus</i> Milne Edwards, 1880	<i>Xanthodes bidentatus</i>	<i>Tetraxanthus</i> Rathbun, 1898
<i>scabripes</i> Rathbun, 1898	<i>Tetrias scabripes</i>	<i>Tetrias</i> Rathbun, 1898
<i>anomalipes</i> Miers, 1881	<i>Thaumastoplax anomalipes</i>	<i>Thaumastoplax</i> Miers, 1881
<i>gracilipes</i> White, 1847	<i>Utica gracilipes</i>	<i>Utica</i> White, 1847
<i>litteratus</i> Fabricius, 1798	<i>Cancer litteratus</i>	<i>Varuna</i> Milne Edwards, 1830
<i>murigera</i> White, 1846	<i>Xanthasia murigera</i>	<i>Xanthasia</i> White, 1846
<i>sternberghii</i> Stimpson, 1859	<i>Xanthodius sternberghii</i>	<i>Xanthodius</i> Stimpson, 1859
<i>moebii</i> Richters, 1880	<i>Xenophthalmodes moebii</i>	<i>Xenophthalmodes</i> Richters, 1880
<i>pinnotheroides</i> White, 1846	<i>Xenophthalmus pinnotheroides</i>	<i>Xenophthalmus</i> White, 1846
<i>aeneus</i> Linnaeus, 1758	<i>Cancer aeneus</i>	<i>Zosimus</i> Leach, 1823
<i>carinipes</i> Heller, 1861	<i>Zozymodes carinipes</i>	<i>Zozymodes</i> Heller, 1861

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<i>pagurus</i> Linnaeus, 1758	<i>Cancer pagurus</i>	<i>Cancer</i> Linnaeus, 1758
<i>norvegicus</i> Linnaeus, 1758	<i>Cancer norvegicus</i>	<i>Nephrops</i> [Leach], [1814]
<i>annulicornis</i> Leach, 1815	<i>Pandalus annulicornis</i>	<i>Pandalus</i> Leach, 1815



## ANNEXE 2

Specific names of nine nominal species which are subjectively identified with nominal species of later date which are the type species of genera, the names of which were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936

*Specific name proposed to be placed on the "Official List of Specific Names in Zoology".*

*Remarks*  
(not for inclusion in the entry to be made in the *Official List*)

(1)

(2)

*savignyi* (correction of *savignii*)  
Milne Edwards, 1834, as published in the combination *Cancer savignii*.

The name *savignyi* Milne Edwards, 1834, is a senior subjective synonym of *granulatus* de Haan, [1835], as published in the combination *Cancer (Actaea) granulatus*, the specific name of the type species of *Actaea* de Haan, [1833].

*punctatus* Linnaeus, 1767, as published in the combination *Cancer punctatus*.

The name *punctatus* Linnaeus, 1767, is a senior subjective synonym of *latreilli* Leach, 1817, as published in the combination *Persephona latreilli*, the specific name of the type species of *Persephona* Leach, 1817.

*vigil* Weber, 1795, as published in the combination *Portunus vigil*.

The name *vigil* Weber, 1795, is a senior subjective synonym of *spinosus* Lamarck, 1801, as published in the combination *Podophthalmus* [sic] *spinosus*, the specific name of the type species of *Podophthalmus* Lamarck, 1801.

*cheiragonus* Tilesius, 1815, as published in the combination *Cancer cheiragonus*.

The name *cheiragonus* Tilesius, 1815, is a senior subjective synonym of *serratus* White, 1846, as published in the combination *Telmessus serratus*, the specific name of the type species of *Telmessus* White, 1846.

*Specific name proposed to be placed on the "Official List of Specific Names in Zoology".*

*Remarks*  
(not for inclusion in the entry to be made in the *Official List*)

(1)

(2)

*frontalis* Milne Edwards, 1834, as published in the combination *Ozius frontalis*.

The name *frontalis* Milne Edwards, 1834, is a senior subjective synonym of *kotschii* Heller, 1861, as published in the combination *Epixanthus kotschii*, the specific name of the type species of *Epixanthus* Heller, 1861.

*rhomboides* Linnaeus, 1758, as published in the combination *Cancer rhomboides*.

The name *rhomboides* Linnaeus, 1758, is a senior subjective synonym of *bispinosa* Lamarck, 1801, as published in the combination *Ocypoda* [sic] *bispinosa*, the specific name of the type species of *Goneplax* [Leach], [1814].

*barbiger* Poëppig, 1836, as published in the combination *Gecarcinus barbiger*.

The name *barbiger* Poëppig, 1836, is a senior subjective synonym of *hirtipes* Milne Edwards & Lucas, [1844], as published in the combination *Paraxanthus hirtipes*, the specific name of the type species of *Paraxanthus* Milne Edwards & Lucas, [1844].

*minutus* Linnaeus, 1758, as published in the combination *Cancer minutus*.

The name *minutus* Linnaeus, 1758, is a senior subjective synonym of *clypeatus* Bowditch, 1825, as published in the combination *Planes clypeatus*, the specific name of the type species of *Planes* Bowditch, 1825.

*superba* Costa, 1838, as published in the combination *Portunus superba*.

The name *superba* Costa, 1838, is a senior subjective synonym of *longispina* Stimpson, [1871], as published in the combination *Bathynectes longispina*, the specific name of the type species of *Bathynectes* Stimpson, [1871].

## ANNEXE 3

Correction of the date given for certain specific names in  
" Opinions " 73 and 85

<i>Specific Name concerned</i>	<i>Date cited in the " Opinion "</i>	<i>Corrected date</i>
(1)	(2)	(3)
<i>Opinion 73</i>		
<i>rouxii</i> Guérin-Ménéville, as published in the combination <i>Caphyra rouxii</i> .. .. .	1830	1832
<i>amica</i> Smith, as published in the combination <i>Hepatella amica</i> ..	1870	1869
<i>signatus</i> Adams & White, as published in the combination <i>Carpilius signatus</i> .. .. .	1848	[1849]
<i>spongiosus</i> Adams & White, as published in the combination <i>Iphiculus spongiosus</i> .. .. .	1848	[1849]
<i>polybioides</i> Adams & White, as published in the combination <i>Lissocarcinus polybioides</i> ..	1848	[1849]
<i>rotundatus</i> Adams & White, as published in the combination <i>Lupocyclus rotundatus</i> .. .. .	1848	[1849]
<i>muriger</i> Adams & White, as published in the combination <i>Tlos muriger</i> .. .. .	1848	[1849]
<i>fluviatilis</i> Latreille, as published in the combination <i>Trichodactylus fluviatilis</i> .. .. .	1825	[1828]
<i>Opinion 85</i>		
<i>cinctimanus</i> Adams & White, as published in the combination <i>Carpilius cinctimanus</i> .. .. .	1848	[1849]
<i>laevigata</i> Milne Edwards & Lucas, as published in the combination <i>Pinnotherelia laevigata</i> .. .. .	1843	[1844]
<i>orbignyi</i> Milne Edwards & Lucas, as published in the combination <i>Xantho orbignyi</i> .. .. .	1843	[1844]
<i>tesselatus</i> Latreille, as published in the combination <i>Grapsus tessellatus</i>	1818	1812

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper, the question of placing on the *Official*



*List of Specific Names in Zoology* the specific names of species of the Order Decapoda specified therein was allotted the Registered Number Z.N.(S.) 985.

## II.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)27 :** On 19th September 1955 a Voting Paper (V.P.(O.M.)(55)27) was issued in which each Member of the Commission was asked (1) to state whether he agreed “that, in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, the names referred to in Sections (a) and (b) of paragraph 9 of the paper bearing the Registered Number Z.N.(S.) 985 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] should be placed on the *Official List of Specific Names in Zoology* as there recommended and that the other action recommended in the said paragraph be similarly approved ” and (2), if he did not so agree as regards any given item, to indicate that item.

**4. Withdrawal of the proposals in regard to three of the specific names submitted with Voting Paper V.P.(O.M.)(55)27 in order to permit of a further study of the issues involved in regard thereto :** On 7th October 1955 Mr. Hemming, as Secretary, placed on the Commission's File Z.N.(S.) 985 a Minute withdrawing from the scope of Voting Paper V.P.(O.M.)(55)27 the proposals submitted in regard to three of the specific names dealt with therein, in order to permit of a re-examination of the issues involved in the light of additional information which had just been received. In the same Minute Mr. Hemming drew attention also to the inadvertent omission from the proposals submitted with the foregoing Voting Paper of a recommendation for the addition to

the *Official Index of Rejected and Invalid Specific Names in Zoology* of an Invalid Original Spelling of one of the specific names recommended therein for addition to the *Official List of Specific Names in Zoology*. Mr. Hemming's Minute was in the following terms :—

**Withdrawal of proposals relating to three specific names from the scope of Voting Paper V.P.(O.M.)(55)27**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.,  
(*Secretary to the International Commission on Zoological Nomenclature*)

In the case of three specific names on which proposals were submitted with Voting Paper V.P.(O.M.)(55)27 additional information now furnished by Dr. L. B. Holthuis calls for further study of the action required in these cases before decisions are taken thereon by the Commission. The names concerned are the specific names of the type species of the following genera : (1) *Portumnus* [Leach]. [1814] ; (2) *Pinnotheres* Latreille, [1802—1803] ; (3) *Pandalus* Leach, 1815.

2. Accordingly, as Secretary to the Commission, I hereby withdraw from the scope of the foregoing Voting Paper the proposals submitted therein in regard to the specific names referred to above. I further direct that the issues which have now come to light in regard to these names be studied on the under-mentioned Registered Files and that proposals regarding these names be submitted to the Commission as soon as possible :—(a) Z.N.(S.) 1028 (*Pandalus*)<sup>5</sup> ; (b) Z.N.(S.) 1029 (*Pinnotheres*)<sup>6</sup> ; (c) Z.N.(S.) 1031 (*Portumnus*).<sup>7</sup>

3. I take this opportunity to draw attention to the fact that through some inadvertence the proposal submitted on the foregoing Voting Paper for the addition to the *Official List of Specific Names in Zoology* of the specific name *savignyi* Milne Edwards (H.), as published in the combination *Cancer savignii*, was not accompanied by a corresponding recommendation for the addition of the Invalid Original Spelling *savignii* to the *Official List of Rejected and Invalid Specific Names in Zoology*. Having regard to the fact that in a case such as this the addition of the above name to the *Official Index* is obligatory under the General Directives issued to the Commission by the International Congresses of Zoology, I, as Secretary, hereby direct that a proposal in the foregoing sense be deemed to have been included in the Voting Paper referred to above.

<sup>5</sup> A decision has since been taken on this case and has been embodied in *Direction* 47, which will be published in the present Section (Section D) of Volume 1.

<sup>6</sup> A decision has since been taken on this case and has been embodied in *Direction* 45, which will be published in the present Section of Volume 1.

<sup>7</sup> An application for the settlement of this case by the use of the Commission's Plenary Powers has since been published (Holthuis, 1956, *Bull. zool. Nomencl.* 12 : 99—105 ; Hemming, 1956, *ibid.* 12 : 105—106).



**5. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 19th October 1955.

**6. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)27 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)27 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Boschma ; Holthuis ; Stoll ; Mayr ; Riley ; Sylvester-Bradley ; Vokes ; Hering ; Jaczewski ; Prantl ; Lemche ; Mertens ; Bonnet ; do Amaral ; Hankó ; Esaki ; Key ; Dymond ; Cabrera ; Hemming ; Miller<sup>8</sup> ; Bradley ; (J.C.) ; Kühnelt ; Tortonese ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.

**7. Declaration of Result of Vote :** On 1st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)27, signed a Certificate that the Votes cast were as set out in paragraph 6 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**8. Preparation of the Ruling given in the present “ Direction ” :** On 22nd December 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a

<sup>8</sup> Commissioner Miller exercised in this case the right conferred by the Thirteenth International Congress of Zoology in Paris, 1948, under which a Commissioner may, if he so desires, signify his willingness to support the view or the majority view, of other members of the Commission (1950, *Bull. zool. Nomencl.* 4 : 50—51).



Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)27, subject (a) to the withdrawal therefrom of the proposals relating to the three specific names specified in the Minute executed by the Secretary on 7th October 1955, and (b) to the inclusion in the *Official Index of Rejected and Invalid Specific Names in Zoology* of a specific name specified in the same Minute which had been rejected by the Commission as being objectively invalid in its Vote on the above Voting Paper. The text of the Minute executed by the Secretary on 7th October 1955 has been reproduced in paragraph 4 of the present *Direction*.

**9. Original references :** The original references for the specific names placed on the *Official List* and *Official Index* by the Ruling given in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*, the nominal species bearing the names concerned being either (i) the type species of genera, the names of which have been inscribed on that *List* or (ii) or nominal species which are currently subjectively identified as representing the same taxa as those represented by nominal species which are the type species of such genera.

**10.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**11.** The present *Direction* shall be known as *Direction Thirty-Six* (36) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Second day of December, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.2. Pp. 47—82**

## **DIRECTION 37**

Completion of the entries relating to the names of certain genera of the Order Decapoda (Class Crustacea) placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 37

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

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Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

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Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

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Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, California, U.S.A.*) (29th October 1954)

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Professor Enrico TORTENESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 37

### COMPLETION OF THE ENTRIES RELATING TO THE NAMES OF CERTAIN GENERA OF THE ORDER DECAPODA (CLASS CRUSTACEA) PLACED ON THE “OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY” IN THE PERIOD UP TO THE END OF 1936

**RULING :—**(1) The following particulars relating to the determination under Article 30 of the *Règles* of the type species of the under-mentioned genera of the Order Decapoda (Class Crustacea) the names of which were placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85, are hereby inserted in the said *Official List* :—

(a) Type species by original designation (Rule (a)) :

- (1) *Chasmocarcinus* Rathbun, 1898 ;
- (2) *Eurytium* Stimpson, 1859 ;
- (3) *Geryon* Krøyer, 1837 ;
- (4) *Glyptograpsus* Smith (S.I.), 1870 ;
- (5) *Goneplax* [Leach], [1814] ;
- (6) *Lophopanopeus* Rathbun, 1898 ;
- (7) *Lophopilumnus* Miers, 1886 ;
- (8) *Pseudorhombila* Milne Edwards (H.), 1837 ;

(b) Type species by original designation (Rule (a)) through the formula “n.g., n.sp.” :

- (1) *Durckheimia* de Man, 1889 ;
- (2) *Euryetisus* Cano, 1889 ;
- (3) *Holothuriophilus* Nauck, 1880 ;

- (4) *Pinnaxodes* Heller, [1865] ;
- (5) *Platychirograpsus* de Man, 1896 ;
- (6) *Platypilumnus* Alcock, 1894 ;
- (7) *Thaumastoplax* Miers, 1881 ;
- (8) *Xenophthalmodes* Richters, 1880 ;

(c) Type species by monotypy (Rule (c)) :

- (1) *Acmaeopleura* Stimpson, 1858 ;
- (2) *Asthenognathus* Stimpson, 1858 ;
- (3) *Bathyplox* Milne Edwards (A.), 1880 ;
- (4) *Camptandrium* Stimpson, 1858 ;
- (5) *Camptoplax* Miers, 1884 ;
- (6) *Catoptrus* Milne Edwards (A.), 1870 ;
- (7) *Ceratoplax* Stimpson, 1858 ;
- (8) *Chasmagnathus* de Haan, [1833] ;
- (9) *Clistocoeloma* Milne Edwards (A.), 1873 ;
- (10) *Cyrtograpsus* Dana, 1851 ;
- (11) *Dissodactylus* Smith (S.I.), 1870 ;
- (12) *Epixanthus* Heller, 1861 ;
- (13) *Euchirograpsus* Milne Edwards (H.), 1853 ;
- (14) *Eucrate* de Haan, [1835] ;
- (15) *Eucratodes* Milne Edwards (A.), 1880 ;
- (16) *Eucratopsis* Smith (S.I.), 1869 ;
- (17) *Euryplax* Stimpson, 1859 ;
- (18) *Fabia* Dana, 1851 ;
- (19) *Galene* de Haan, [1833] ;
- (20) *Glyptoplax* Smith (S.I.), 1870 ;
- (21) *Gomezia* Gray (J.E.), 1831 ;

- (22) *Halimede* de Haan, [1835] ;
- (23) *Helice* de Haan, [1833] ;
- (24) *Hephthopelta* Alcock, 1899 ;
- (25) *Hexapus* de Haan, [1833] ;
- (26) *Holometopus* Milne Edwards (H.), 1853 ;
- (27) *Lachnopodus* Stimpson, 1858 ;
- (28) *Leptodius* Milne Edwards (A.), 1863 ;
- (29) *Liagore* de Haan, [1833] ;
- (30) *Libystes* Milne Edwards (A.), 1867 ;
- (31) *Liomera* Dana, 1851 ;
- (32) *Lipaesthesius* Rathbun, 1898 ;
- (33) *Litocheira* Kinahan, 1856 ;
- (34) *Lybia* Milne Edwards (H.), 1834 ;
- (35) *Melybia* Stimpson, [1871] ;
- (36) *Metasesarma* Milne Edwards (H.), 1853 ;
- (37) *Metopocarcinus* Stimpson, [1860] ;
- (38) *Micropanope* Stimpson, [1871] ;
- (39) *Notonyx* Milne Edwards (A.), 1873 ;
- (40) *Oediplax* Rathbun, 1893 ;
- (41) *Ommatocarcinus* White, 1852 ;
- (42) *Opisthopus* Rathbun, 1893 ;
- (43) *Orphnoxanthus* Alcock, 1898 ;
- (44) *Panoplax* Stimpson, [1871] ;
- (45) *Paragalene* Kossmann, 1878 ;
- (46) *Parapanope* de Man, 1895 ;
- (47) *Parapleurophrycoides* Nobili, 1906 ;
- (48) *Paraxanthus* Milne Edwards (H.) & Lucas,  
[1844] ;



- (49) *Perigrapsus* Heller, 1862 ;
- (50) *Pilumnoides* Milne Edwards (H.) & Lucas, [1844] ;
- (51) *Pilumnus* Leach, 1815 ;
- (52) *Pinnixa* White, 1846 ;
- (53) *Pinnotherelia* Milne Edwards (H.) & Lucas, [1844] ;
- (54) *Planes* Bowditch, 1825 ;
- (55) *Platyxanthus* Milne Edwards (A.), 1863 ;
- (56) *Polydectus* Milne Edwards (H.), 1837 ;
- (57) *Prionoplax* Milne Edwards (H.), 1852 ;
- (58) *Pseudopinnixa* Ortmann, 1894 ;
- (59) *Psopheticus* Wood-Mason, 1892 ;
- (60) *Ptychognathus* Stimpson, 1858 ;
- (61) *Pyxidognathus* Milne Edwards (A.), 1879 ;
- (62) *Rhithropanopeus* Rathbun, 1898 ;
- (63) *Rhizopa* Stimpson, 1858 ;
- (64) *Ruppellioides* Milne Edwards (A.), 1867 ;
- (65) *Samartium* Dana, 1851 ;
- (66) *Scalopidia* Stimpson, 1858 ;
- (67) *Scleroplax* Rathbun, 1893 ;
- (68) *Speocarcinus* Stimpson, 1859 ;
- (69) *Sphaerozius* Stimpson, 1858 ;
- (70) *Tetraxanthus* Rathbun, 1898 ;
- (71) *Tetrias* Rathbun, 1898 ;
- (72) *Utica* White, 1847 ;
- (73) *Varuna* Milne Edwards (H.), 1830 ;
- (74) *Xanthasia* White, 1846 ;

- (75) *Xanthodius* Stimpson, 1859 ;
- (76) *Xenophthalmus* White, 1846 ;
- (77) *Zosimus* Leach, 1823 ;
- (78) *Zozymodes* Heller, 1861 ;

(d) Type species by subsequent selection (Rule (g)) :

- (1) *Percnon* Gistel, 1848 : by selection by Rathbun (1925) ;
- (2) *Pseudocarcinus* Milne Edwards (H.), 1834 : by selection by Miers (1886).

(2) The type species of the under-mentioned genera were selected under Rule (g) in Article 30 by Miss Mary Rathbun in the application which formed the basis of, and which was reproduced in, *Opinion* 73 published in 1922 (*Smithson. misc. Coll.* 73 (No. 1)) and it is hereby directed that a note to the above effect be entered in the *Official List of Generic Names in Zoology*, the page references for the type selections so made being as specified below :—

- (a) *Actaea* de Haan, [1833] (: 26) ;
- (b) *Actumnus* Dana, 1851 (: 26) ;
- (c) *Atergatis* de Haan, [1833] (: 26) ;
- (d) *Chlorodopsis* Milne Edwards (A.), 1873 (: 26) ;
- (e) *Cyclodius* Dana, 1851 (: 26) ;
- (f) *Ebalia* Leach, [1817] (: 26) ;
- (g) *Iliacantha* Stimpson, [1871] (: 27) ;
- (h) *Pariphiculus* Alcock, 1896 (: 27) ;
- (i) *Persephona* Leach, 1817 (: 28) ;
- (j) *Phlyxia* Bell, 1855 (: 28) ;
- (k) *Pseudophilyra* Miers, 1879 (: 28) ;
- (l) *Speloeophorus* Milne Edwards (A.), 1865 (: 28) ;

(m) *Thalamitoides* Milne Edwards (A.), 1869 (: 28) ;

(n) *Thalamonyx* Milne Edwards (A.), 1873 (: 28).

(3) It is hereby directed that the corrections specified below be made in the entries on the *Official List of Generic Names in Zoology* relating to the under-mentioned generic names made by the Rulings given in the *Opinions* severally cited below :—

(a) *Bathynectes* Stimpson (*Opinion* 73) : The date for this name is to be cited as [1871] and not as 1871.

(b) *Bathynectes* Stimpson, [1871] (*Opinion* 73) : The incorrect statement that *Bathynectes longispina* Stimpson, [1871], became the type species of the above genus by original designation is to be deleted and to be replaced by the entry that this species became the type species by monotypy.

(c) *Caphyra* Guérin-Ménéville (*Opinion* 73) : The incorrect entries relating to the date and place of publication of the above generic name and its type species are to be deleted and the following revised entries are to be substituted therefor :—

(a) *Caphyra* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris **25**(99) : 285 ;

(b) *Caphyra rouxii* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris **25**(99) : 287.

(d) *Hepatella* Smith and *Hepatella amica* Smith (*Opinion* 73) : The incorrect entry “ 1870 ” relating to the date of publication of the above names is to be deleted and the date “ July 1869 ” (printed on the Part (Part 5) of volume 3 of the *American Naturalist* in which these names were published) is to be substituted therefor.

(e) *Five generic names by Bell (T.) published in 1855* (*Opinion* 73) : The under-mentioned generic names



by Bell (T.) were first published in 1855 not in volume 21 of the *Transactions of the Linnean Society of London* (the reference cited in *Opinion* 73) but in volume 2 of the *Proceedings* of the above Society, and the entries relating to these names are to be amended accordingly, the pages on which these names appeared being as specified below :—

- (a) *Leucosilia* Bell, 1855 (: 431) ;
  - (b) *Lithadia* Bell, 1855 (: 434) ;
  - (c) *Myrodes* Bell, 1855 (: 432) ;
  - (d) *Nursilia* Bell, 1855 (: 434) ;
  - (e) *Phlyxia* Bell, 1855 (: 433).
- (f) *Speloeophorus* Milne Edwards (A.), 1865 (*Opinion* 73) : For reasons similar to those specified in relation to the generic names enumerated in (e) above the incorrect entry (*Trans. linn. Soc. Lond.* 21) given for the name *Oreophorus nodosus* Bell (T.), 1855 (name of type species of *Speloeophorus* Milne Edwards (A.), 1865) is to be deleted and the following revised entry to be inserted in its place :—*Oreophorus nodosus* Bell (T.), 1855, *Proc. linn. Soc. Lond.* 2 : 434.
- (g) *Correction of date attributed to certain names published in Part 2 of the Crustacea Section of Arthur White's "The Voyage of H.M.S. Samarang"* (*Opinion* 73) : The date "1848" incorrectly attributed to the under-mentioned names published in Part 2 of the Crustacea Section of White (A.), *The Voyage of H.M.S. Samarang* (which commenced at page 33) is to be deleted and the date "1849" is to be inserted in its place :—
- (a) *Carpilius signatus* Adams & White, [1849] (: 37) (type species of *Atergatopsis* Milne Edwards (A.), 1862) ;

- (b) *Iphiculus* Adams & White, [1849] (: 57) ;
  - (c) *Iphiculus spongiosus* Adams & White, [1849] (: 57) (type species of *Iphiculus* Adams & White, [1849]) ;
  - (d) *Lissocarcinus* Adams & White, [1849] (: 45) ;
  - (e) *Lissocarcinus polybioides* Adams & White, [1849] (: 46) (type species of *Lissocarcinus* Adams & White, [1849]) ;
  - (f) *Lupocyclus* Adams & White, [1849] (: 46) ;
  - (g) *Lupocyclus rotundatus* Adams & White, [1849] (: 47) (type species of *Lupocyclus* Adams & White, [1849]) ;
  - (h) *Tlos* Adams & White, [1849] (: 57) ;
  - (i) *Tlos muriger* Adams & White, [1849] (: 58) (type species of *Tlos* Adams & White, [1849]).
- (h) *Trichodactylus* Latreille (*Opinion* 73) : The incorrect entry of the date of publication of the above name as “ 1825 ” is to be deleted and the date “ 1828 ” (the date of publication of Part 2 of the Crustacea Section of the *Ency. méth.*, in which this name first appeared) is to be inserted in its place.
- (i) *Cymo* de Haan, [1833] (*Opinion* 73) : The incorrect entry of the date of publication of the name *Pilumnus andreossyi* Audouin (the type species of *Cymo* de Haan, [1833]) as “ 1825 ” is to be deleted and the date “ [1826] ” is to be inserted in its place.
- (j) *Scylla* de Haan, [1833] (*Opinion* 73) : The incorrect entry that *Cancer serratus* Forskål, 1775, is the type species of *Scylla* de Haan, [1833], by monotypy is to be deleted and is to be replaced by an entry that the above species is the type species

of the foregoing genus by selection by Rathbun (1922, *Smithson. misc. Coll.* 73 (No. 1) : 28).

- (k) *Correction of date attributed to certain names published in the Crustacea Section of d'Orbigny's "Voyage dans l'Amerique Méridionale" (Opinion 85) :* The date "1843" incorrectly attributed to the under-mentioned names published in the Crustacea Section of d'Orbigny's *Voyage dans l'Amerique Méridionale* is to be deleted and the date "[1844]" inserted in its place :—

(a) *Paraxanthus* Lucas, [1844] ;

(b) *Pilumnoides* Lucas, [1844] ;

(c) *Pinnotherelia* Lucas, [1844] ;

- (l) *Nephrops* [Leach] (*Opinion* 104) : The incorrect entry of the date of publication of the above name as "1815" is to be deleted and the date "1814" (in which year the foregoing name was published in an anonymous paper of Leach's in Part 2 of volume 7 of Brewster's *Edinburgh Encyclopaedia*) is to be inserted in its place, the revised entry to be made being as follows :—*Nephrops* [Leach], [1814], in Brewster's *Edinburgh Ency.* 7(2) : 398—400.

(4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (i) *Acanthocyclus* Dybowski, 1873 (a junior homonym of *Acanthocyclus* Milne Edwards (H.) & Lucas, [1844]) (Name No. 461) ;
- (ii) *Acanthopus* Oken, 1816 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 462) ;
- (iii) *Acanthopus* Dahl, 1823 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 463) ;



- (iv) *Acanthopus* Latreille, 1829 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 464) ;
- (v) *Acanthopus* de Haan, [1835] (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 465) ;
- (vi) *Acanthopus* Muenster, 1839 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 466) ;
- (vii) *Acanthopus* Giebel, 1872 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 467) ;
- (viii) *Acanthopus* Vernet, 1877 (a junior homonym of *Acanthopus* Klug, 1807) (Name No. 468) ;
- (ix) *Asthenognathus* Bocourt, 1884 (a junior homonym of *Asthenognathus* Stimpson, 1858 (Name No. 469) ;
- (x) *Asthenognathus* Broom, 1915 (a junior homonym of *Asthenognathus* Stimpson, 1858) (Name No. 470) ;
- (xi) *Bathynectes* Guenther, 1878 (a junior homonym of *Bathynectes* Stimpson, [1871] (Name No. 471) ;
- (xii) *Bathynectes* Brinkman, 1913 (a junior homonym of *Bathynectes* Stimpson, [1871] (Name No. 472) ;
- (xiii) *Bellia* Bate, 1851 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 473) ;
- (xiv) *Bellia* Gray (J.E.), 1869 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 474) ;
- (xv) *Bellia* Tutt, 1902 (a junior homonym of *Bellia* Milne Edwards (H.), 1848) (Name No. 475) ;
- (xvi) *Caphyra* Barrande, 1846 (a junior homonym of *Caphyra* Guérin-Ménéville, 1832 (Name No. 476) ;
- (xvii) *Chlorodopsis* Milne Edwards (A.), 1863 (a *nomen nudum*) (Name No. 477) ;

- (xviii) *Cyrtograpsus* Carruthers, 1867 (a junior homonym of *Cyrtograpsus* Dana, 1851) (Name No. 478) ;
- (xix) *Eucrate* Rafinesque, 1815 (a *nomen nudum*) (Name No. 479) ;
- (xx) *Euryplax* Klapalek, 1909 (a junior homonym of *Euryplax* Stimpson, 1859) (Name No. 480) ;
- (xxi) *Gecarcinicus* Dana, 1852 (an Erroneous Subsequent Spelling for *Gecarcinucus* Milne Edwards (H.), 1844) (Name No. 481) ;
- (xxii) *Goneplat* [Leach], [1814] (an Invalid Original Spelling for *Goneplax* [Leach], [1814]) (Name No. 482) ;
- (xxiii) *Gonoplax* Leach, 1815 (an Invalid Emendation of *Goneplax* [Leach], [1814]) (Name No. 483) ;
- (xxiv) *Halimede* Rathke, 1843 (a junior homonym of *Halimede* de Haan, [1835]) (Name No. 484) ;
- (xxv) *Halimede* Oberthuer & Houlbert, 1922 (a junior homonym of *Halimede* de Haan, [1835]) (Name No. 485) ;
- (xxvi) *Helice* Chambers, 1873 (a junior homonym of *Helice* de Haan, [1833]) (Name No. 486) ;
- (xxvii) *Holometopus* Angelin, 1854 (a junior homonym of *Holometopus* Milne Edwards (H.), 1853) (Name No. 487) ;
- (xxviii) *Homalaspis* Brunner von Wattenwyl, 1895 (a junior homonym of *Homalaspis* Milne Edwards (A.), 1863) (Name No. 488) ;
- (xxix) *Homalaspis* Kaier, 1932 (a junior homonym of *Homalaspis* Milne Edwards (A.), 1863) (Name No. 489) ;
- (xxx) *Homarus* Broun, 1881 (a junior homonym of *Homarus* Weber, 1795) (Name No. 490) ;

- (xxxix) *Iphiculus* White, 1847 (a *nomen nudum*) (Name No. 491) ;
- (xxxii) *Iphis* Koch (C.L.), 1835 (a junior homonym of *Iphis* Leach, 1817) (Name No. 492) ;
- (xxxiii) *Iphis* Laporte, 1836 (a junior homonym of *Iphis* Leach, 1817) (Name No. 493) ;
- (xxxiv) *Liagora* Gistel, 1848 (an Erroneous Subsequent Spelling of *Liagore* de Haan, [1833]) (Name No. 494) ;
- (xxxv) *Lissocarcinus* Adams & White, 1847 (a *nomen nudum*) (Name No. 495) ;
- (xxxvi) *Lupocyclus* White, 1847 (a *nomen nudum*) (Name No. 496) ;
- (xxxvii) *Persephona* Leach, 1852 (a junior homonym of *Persephona* Leach, 1817) (Name No. 497) ;
- (xxxviii) *Pilumnus* Rafinesque, 1815 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 498) ;
- (xxxix) *Pilumnus* Dejean, 1821 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 499) ;
- (xl) *Pilumnus* Koch (C.L.), 1837 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 500) ;
- (xli) *Pilumnus* Gistel, 1848 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 501) ;
- (xlii) *Pilumnus* Bonaparte, 1854 (a junior homonym of *Pilumnus* Leach, 1815) (Name No. 502) ;
- (xliii) *Planes* Saussure, 1862 (a junior homonym of *Planes* Bowditch, 1825) (Name No. 503) ;
- (xliv) *Planes* Rondani, 1864 (a junior homonym of *Planes* Bowditch, 1825) (Name No. 504) ;
- (xlv) *Podacanthus* Brandt, 1848 (a junior homonym of *Podacanthus* Gray (J.E.), 1833) (Name No. 505) ;



- (xlvi) *Podophthalmus* Lamarck, 1801 (an Invalid Original Spelling for *Podophthalmus* Lamarck, 1801) (Name No. 506) ;
- (xlvii) *Polydectus* Rafinesque, 1815 (a *nomen nudum*) (Name No. 507) ;
- (xlviii) *Pseudopinnixa* Holmes, 1895 (a junior homonym of *Pseudopinnixa* Ortmann, 1894) (Name No. 508) ;
- (xlix) *Ptychognathus* Owen, 1860 (a junior homonym of *Ptychognathus* Stimpson, 1858) (Name No. 509) ;
- (l) *Telmessus* Stål, 1866 (a junior homonym of *Telmessus* White, 1846) (Name No. 510) ;
- (li) *Tlos* White, 1847 (a *nomen nudum*) (Name No. 511) ;
- (lii) *Trichodactylus* Dufour, 1839 (a junior homonym of *Trichodactylus* Latreille, 1828) (Name No. 512) ;
- (liii) *Utica* Hewitson, [1865] (a junior homonym of *Utica* White, 1847) (Name No. 513) ;
- (liv) *Valdivia* Ragonot, 1888 (a junior homonym of *Valdivia* White, 1847) (Name No. 514) ;
- (lv) *Valdivia* Shannon, 1927 (a junior homonym of *Valdivia* White, 1847) (Name No. 515) ;
- (lvi) *Zosimus* Schaufuss, 1886 (a junior homonym of *Zosimus* Leach, 1825) (Name No. 516) ;
- (lvii) *Zozymus* Milne Edwards (H.), 1834 (an Erroneous Subsequent Spelling for *Zosimus* Leach, 1825) (Name No. 517).

(5) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (i) *granulatus* de Haan, [1835], as published in the combination *Cancer (Actaea) granulatus* (a junior

- homonym of *granulatus* Linnaeus, 1758, as published in the combination *Cancer granulatus*) (Name No. 336) ;
- (ii) *pennanti* Leach, [1817], as published in the combination *Ebalia pennanti* (a junior objective synonym of *tuberosus* Pennant, 1777, as published in the combination *Cancer tuberosus*) (Name No. 337) ;
- (iii) *tresselata* Milne Edwards (H.), 1834, as published in the combination *Lybia tresselata* (an Erroneous Subsequent Spelling for *tesselatus* Latreille, 1812, as published in the combination *Grapsus tessellatus*) (Name No. 338) ;
- (iv) *jurinii* Bell, 1855, as published in the combination *Leucosilia jurinii* (an Erroneous Subsequent Spelling for *jurinei* Saussure, 1853, as published in the combination *Guaia (Ilia) jurinei*) (Name No. 339) ;
- (v) *vigil* Fabricius, 1798, as published in the combination *Portunus vigil* (a junior objective synonym of *vigil* Weber, 1795, as published in the combination *Portunus vigil*) (Name No. 340).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* is the third of a series containing decisions by the International Commission on Zoological Nomenclature in regard to names of genera of the Order Decapoda (Class Crustacea) placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 taken by the International Commission under General Directives issued to it by the Thirteenth International Congress of Zoology, Paris, 1948, with the object of completing the entries made on the *Official List* in the foregoing period. The first of the *Directions* already rendered (*Direction* 11) contained decisions by the Commission as to the gender to be attributed to the generic names in question, while the second



of these *Directions* (*Direction* 36) was concerned with the placing on the *Official List of Specific Names in Zoology* of the specific names of the type species of the foregoing genera in all cases where those names were the oldest available for the species concerned and, in other cases, of the specific names subjectively considered to be the oldest available for the species in question. The present *Direction* is concerned with various miscellaneous matters on which decisions by the Commission are needed in order to enable it to comply fully with the General Directives referred to above. Apart from a few names which have been reserved for separate consideration, the present *Direction*, coupled with its two predecessors, completes the action required in the case of the names of genera of the Order Decapoda placed on the *Official List* in the period under review. The proposals which formed the basis of the decisions embodied in the present *Direction* were submitted by the Secretary in the following paper on 19th September 1955 :—

**Names of genera of the Order Decapoda in the Class Crustacea placed  
on the " Official List of Generic Names in Zoology " in the period  
up to the end of 1936 : proposed determination of certain out-  
standing matters additional to those dealt with in the  
proposals submitted with in Voting Papers  
V.P.(O.M.)(55)6 and V.P.(O.M.)(55)27**

By FRANCIS HEMMING, C.M.G., C.B.E.,

(*Secretary to the International Commission on Zoological Nomenclature*)

The present paper contains a final instalment of proposals relating to the names of genera of the Order Decapoda in the Class Crustacea placed on the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* rendered in the period up to the end of 1936. The two earlier instalments were concerned respectively with the determination of the gender to be attributed to the generic names concerned (proposals submitted with Voting Paper V.P.(O.M.)(55)6) and with the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of the genera in question (proposals submitted with Voting Paper V.P.(O.M.)(55)27). The present paper is concerned with various other matters on which decisions by the Commission are required before this large block of entries on the *Official List of Generic Names in Zoology* can be regarded as having



been brought up to the standard required for inclusion in the forthcoming volume containing particulars of all names so far placed on the *Official List*.

2. The first point which calls for note is that, whereas in *Opinions* 73 and 104 some information (though often of a meagre character) was given on the question of how the species there cited as the type species of the genera concerned acquired that status under Article 30 of the *Règles*, no information of any sort bearing on this subject was provided in respect of the ninety-eight genera, the names of which were placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85. In the case of these names it has been necessary to examine the book or serial in which each was published in order to ascertain whether the species cited in *Opinion* 85 was one of the included species and whether that species was there either designated or indicated as the type species. In those cases where none of the included species was so designated or indicated, it was necessary, in conjunction with interested specialists, to examine the later literature for the purpose of ascertaining by whom, when and where one of the originally included species was first selected to be the type species of the genus concerned. The results of these laborious investigations are set out in Annexe 1 to the present paper.

3. It is necessary next to note that in the case of fourteen names placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 73, the only note given as to the manner in which the type species of the genera concerned had been determined under Article 30 was the insertion of the formula "tpd", i.e. type by present designation. Since these type selections have sometimes been attributed to the Commission, it should be noted that the portion of the *Opinion* in which this formula is used consists of the application submitted to the Commission by Miss Mary Rathbun, the applicant, to whom therefore these type selections are attributable. The names concerned are the following :—*Actaea* ; *Actumnus* ; *Atergatis* ; *Chlorodopsis* ; *Cyclodius* ; *Ebalia* ; *Iliacantha* ; *Pariphiculus* ; *Persephona* ; *Phlyxia* ; *Pseudophilyra* ; *Speloeophorus* ; *Thalamitoides* ; *Thalamonyx*.

4. In a number of cases wrong dates or erroneous attributions for generic names were given in the *Opinions* in which the names concerned were placed upon the *Official List*. The necessary corrections are set out in Annexe 2 to the present paper. In the same Annexe particulars are given also regarding the dates of publication of certain books which were issued in Parts and which therefore present certain difficulties in dating.

5. Annexe 3 gives particulars of certain objectively invalid names which are involved in one way or another with the names of genera

placed on the *Official List* in the period up to the end of 1936 and which under the General Directives issued to the Commission by the International Congress of Zoology should now be placed on the appropriate *Official Index of Rejected and Invalid Names*. This Annexe is divided into two Sections : Section A which contains a list of invalid generic names, Section B, which contains a list of invalid specific names.

6. Although the number of generic names of the Order Decapoda placed on the *Official List* in the period up to the end of 1936 is large, the genera concerned are in many cases closely allied to one another. In consequence, the number of family-group names involved is relatively small. These names are now being investigated and proposals in regard to them will be submitted in due course.

7. The proposals now submitted are that, in accordance with the Directives issued by the International Congress of Zoology, the Commission should complete the Rulings in relation to the names of genera in the Order Decapoda (Class Crustacea) given in *Opinions* rendered in the period up to the end of 1936 by :—

- (a) entering on the *Official List of Generic Names in Zoology* the particulars specified in Annexe 1 regarding the manner in which type species for the genera there enumerated were determined under Article 30 of the *Règles* ;
- (b) taking note that the type species for the genera specified in paragraph 3 above were selected under Rule (g) in Article 30 by Miss Mary Rathbun in her application to the Commission published in *Opinion* 73 ;
- (c) entering on the foregoing *Official List* the corrections, specified in Annexe 2, of wrong dates and erroneous attributions given in the *Opinions* in which generic names of Decapoda were placed on that *List* ;
- (d) placing on the *Official Index of Rejected and Invalid Generic Names in Zoology* the generic names specified in Section A of Annexe 3 and on the corresponding *Official Index* of specific names the specific names specified in Section B of that Annexe.

8. The proposals now submitted complete the action required for the completion and, where necessary, the correction, of entries relating to the names of genera of Decapoda placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, except as regards two names which are being further investigated and on which proposals will be submitted to the Commission as soon as possible.



## ANNEXE 1

Particulars as to the determination, under Article 30 of the "Règles", of the type species of certain genera in the Order Decapoda (Class Crustacea), the names of which were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936

Name of Genus	Entry relating to the determination of the type species of the genus specified in Col. 1 now proposed to be inserted in the "Official List of Generic Names in Zoology"
(1)	(2)
<i>Acmaeopleura</i> Stimpson, 1858	by monotypy
<i>Asthenognathus</i> Stimpson, 1858	by monotypy
<i>Bathyplox</i> Milne Edwards, 1880	by monotypy
<i>Camptandrium</i> Stimpson, 1858	by monotypy
<i>Camptoplax</i> Miers, 1884	by monotypy
<i>Catoptrus</i> Milne Edwards, 1870	by monotypy
<i>Ceratoplax</i> Stimpson, 1858	by monotypy
<i>Chasmagnathus</i> de Haan, [1833]	by monotypy
<i>Chasmocarcinus</i> Rathbun, 1898	by original designation
<i>Clistocoeloma</i> Milne Edwards, 1873	by monotypy
<i>Cyrtograpsus</i> Dana, 1851	by monotypy
<i>Dissodactylus</i> Smith, 1870	by monotypy
<i>Durckheimia</i> de Man, 1889	by original designation through the formula "n.g., n.sp."
<i>Epixanthus</i> Heller, 1861	by monotypy
<i>Euchirograpsus</i> Milne Edwards, 1853	by monotypy
<i>Eucrate</i> de Haan, [1835]	by monotypy
<i>Eucratodes</i> Milne Edwards, 1880	by monotypy
<i>Eucratopsis</i> Smith, 1869	by monotypy
<i>Euryetisus</i> Cano, 1889	by original designation through the formula "n.g., n.sp."
<i>Euryplax</i> Stimpson, 1859	by monotypy
<i>Eurytium</i> Stimpson, 1859	by original designation
<i>Fabia</i> Dana, 1851	by monotypy
<i>Galene</i> de Haan, [1833]	by monotypy
<i>Geryon</i> Krøyer, 1837	by original designation
<i>Glyptograpsus</i> Smith, 1870	by original designation
<i>Glyptoplax</i> Smith, 1870	by monotypy
<i>Gomezia</i> Gray, 1831	by monotypy
<i>Goneplax</i> [Leach], [1814]	by original designation



## Name of Genus

Entry relating to the determination  
of the type species of the genus  
specified in Col. 1 now proposed  
to be inserted in the "Official List  
of Generic Names in Zoology"

(1)

(2)

<i>Halimede</i> de Haan, [1835]	by monotypy
<i>Helice</i> de Haan, [1833]	by monotypy
<i>Hepthopelta</i> Alcock, 1899	by monotypy
<i>Hexapus</i> de Haan, [1833]	by monotypy
<i>Holometopus</i> Milne Edwards, 1853	by monotypy
<i>Holothuriophilus</i> Nauck, 1880	by original designation through the formula "n.g., n.sp."
<i>Lachnopus</i> Stimpson, 1858	by monotypy
<i>Leptodius</i> Milne Edwards, 1863	by monotypy
<i>Liagore</i> de Haan, [1833]	by monotypy
<i>Libystes</i> Milne Edwards, 1867	by monotypy
<i>Liomera</i> Dana, 1851	by monotypy
<i>Lipaesthesius</i> Rathbun, 1898	by monotypy
<i>Litocheira</i> Kinahan, 1856	by monotypy
<i>Lophopanopeus</i> Rathbun, 1898	by original designation
<i>Lophopilumnus</i> Miers, 1886	by original designation
<i>Lybia</i> Milne Edwards, 1834	by monotypy
<i>Melybia</i> Stimpson, [1871]	by monotypy
<i>Metasesarma</i> Milne Edwards, 1853	by monotypy
<i>Metopocarcinus</i> Stimpson, [1860]	by monotypy
<i>Micropanope</i> Stimpson, [1871]	by monotypy
<i>Notonyx</i> Milne Edwards, 1873	by monotypy
<i>Oediplax</i> Rathbun, 1893	by monotypy
<i>Ommatocarcinus</i> White, 1852	by monotypy
<i>Opisthopus</i> Rathbun, 1893	by monotypy
<i>Orphnoxanthus</i> Alcock, 1898	by monotypy
<i>Panoplax</i> Stimpson, [1871]	by monotypy
<i>Paragalene</i> Kossmann, 1878	by monotypy
<i>Parapanope</i> de Man, 1895	by monotypy
<i>Parapleuophrycoides</i> Nobili, 1906	by monotypy
<i>Paraxanthus</i> Milne Edwards & Lucas, [1844]	by monotypy
<i>Percnon</i> Gistel, 1848	by subsequent selection by Rath- bun, 1925, <i>Smiths. misc. Publ.</i> 73(2) : 16
<i>Perigrapsus</i> Heller, 1862	by monotypy
<i>Pilumnoides</i> Milne Edwards & Lucas, [1844]	by monotypy
<i>Pilumnus</i> Leach, 1815	by monotypy
<i>Pinnaxodes</i> Heller, [1865]	by original designation through the formula "n.g., n.sp."

Name of Genus	Entry relating to the determination of the type species of the genus specified in Col. 1 now proposed to be inserted in the "Official List of Generic Names in Zoology"
(1)	(2)
<i>Pinnixa</i> White, 1846	by monotypy
<i>Pinnotherelia</i> Milne Edwards & Lucas, [1844]	by monotypy
<i>Pinnotheres</i> Latreille, [1802—1803]	by monotypy
<i>Planes</i> Bowditch, 1825	by monotypy
<i>Platychiropsus</i> de Man, 1896	by original designation through the formula "n.g., n.sp."
<i>Platypilumnus</i> Alcock, 1894	by original designation through the formula "n.g., n.sp."
<i>Platyxanthus</i> Milne Edwards, 1863	by monotypy
<i>Polydectus</i> Milne Edwards, 1837	by monotypy
<i>Prionoplax</i> Milne Edwards, 1852	by monotypy
<i>Pseudocarcinus</i> Milne Edwards, 1834	by subsequent selection by Miers, 1886, <i>Rep. Voy. Challenger</i> (Zool.) 17(no. 2) : 141, nota 1.
<i>Pseudopinnixa</i> Ortmann, 1894	by monotypy
<i>Pseudorhombila</i> Milne Edwards, 1837	by original designation
<i>Psopheticus</i> Wood-Mason, 1892	by monotypy
<i>Ptychognathus</i> Stimpson, 1858	by monotypy
<i>Pyxidognathus</i> Milne Edwards, 1879	by monotypy
<i>Rhithropanopeus</i> Rathbun, 1898	by monotypy
<i>Rhizopa</i> Stimpson, 1858	by monotypy
<i>Ruppellioides</i> Milne Edwards, 1867	by monotypy
<i>Samartium</i> Dana, 1851	by monotypy
<i>Scalopidia</i> Stimpson, 1858	by monotypy
<i>Scleroplax</i> Rathbun, 1893	by monotypy
<i>Speocarcinus</i> Stimpson, 1859	by monotypy
<i>Sphaerozius</i> Stimpson, 1858	by monotypy
<i>Tetraxanthus</i> Rathbun, 1898	by monotypy
<i>Tetrias</i> Rathbun, 1898	by monotypy
<i>Thaumastoplax</i> Miers, 1881	by original designation through the formula "n.g., n.sp."
<i>Utica</i> White, 1847	by monotypy
<i>Varuna</i> Milne Edwards, 1830	by monotypy
<i>Xanthasia</i> White, 1846	by monotypy
<i>Xanthodius</i> Stimpson, 1859	by monotypy
<i>Xenophthalmodes</i> Richters, 1880	by original designation through the formula "n.g., n.sp."

Name of Genus

Entry relating to the determination  
of the type species of the genus  
specified in Col. 1 now proposed  
to be inserted in the "Official List  
of Generic Names in Zoology"

(1)

(2)

*Xenophthalmus* White, 1846

by monotypy

*Zosimus* Leach, 1823

by monotypy

*Zozymodes* Heller, 1861

by monotypy

## ANNEXE 2

**Proposals for the correction of certain erroneous dates and attributions cited for the names of genera of the Order Decapoda (Class Crustacea) when placed on the "Official List of Generic Names in Zoology" by Rulings given in "Opinions" 73, 85 and 104 or for the names of the type species of such genera**

## (a) Corrections of entries in "Opinion" 73

## (1) "Bathynectes" Stimpson

Two questions arise in connection with this generic name: first, the date on which it was published; second, the manner in which the type species was determined. These matters are discussed separately below.

The name *Bathynectes* Stimpson was published in Part 2 of vol. 2 of the *Bull. Mus. comp. Zool.* of Harvard. This name (and other new names occurring in the same paper) are treated as having been published in 1870 in some catalogues and in others as having been published in 1871. In order to clear up this matter, I appealed to my colleague the late Dr. James L. Peters, who, as a member of the staff of the Museum of Comparative Zoology, was in a specially good position for investigating the dates of publication of parts of the *Bulletin* of that Museum. On 1st June 1944, Dr. Peters replied as follows:—

The early numbers of the M.C.Z. *Bulletin* were issued without covers and no printed date of publication. The number in question bears the date and inscription at the end of the article, "Chicago Academy of Science, December 1, 1870". This apparently is when the manuscript was completed and should not be accepted as the publication date. The accession catalogue in the Museum Library shows that a bound copy of No. 2, Vol. 2, was entered on April 12, 1871. Inquiring of the librarian of the Boston Society of Natural History reveals that a copy in paper covers,



as issued, was received there on February 17, 1871. On the other hand, the price list of Museum publications claims December 1870 as the date. This evidence seems to show that the actual date of publication was probably about the middle of Feb. 1871 and the fact that our Museum catalogue doesn't show an entry until April 12th is accounted for by the fact that the issue was not entered until it had been returned from the bindery.

Further check-up with the Museum price-list and the date of receipt of the unbound parts at the Boston Society of Natural History shows that, in each case, the numbers of Vol. 2 were received by that institution a month to six weeks after the date claimed in the Museum price-list.

In view of the information supplied by Dr. Peters and having regard to the fact that, as he shows, Stimpson's paper was still in manuscript at the Chicago Academy as late as 1st December 1870, it must certainly be concluded that publication did not take place until some date in 1871.

In the application published in *Opinion* 73 Miss Rathbun stated that the type species of *Bathynectes* Stimpson was "tod. *B. superba* = *Portunus superba* Costa, 1838 ? = *B. longispina* Stimpson, 1871". This statement is incorrect in two respects. First Stimpson made no mention of *Portunus superba* Costa, which was therefore not an originally-included species and is accordingly ineligible for selection as the type species of *Bathynectes*. Second, contrary to the statement given by the abbreviated entry "tod." (= type by original designation) Stimpson did not designate a type species for the genus *Bathynectes*. All that he did was to include in it two new nominal species, namely *Bathynectes longispina* (: 146) and *Bathynectes brevispina* (: 147) and to add as regards the latter, that he was doubtful whether it was specifically distinct from *longispina*. This latter statement, however, made the nominal species *Bathynectes brevispina* a *species inquirenda* from Stimpson's standpoint. Accordingly, under the second subsection of Rule (e) in Article 30, the nominal species *Bathynectes brevispina* becomes ineligible for selection as the type species of *Bathynectes*. As a result, that genus is left with only one eligible included species, namely, *Bathynectes longispina* Stimpson, which thus becomes the type species of this genus, not by original designation as stated in *Opinion* 73, but by monotypy.

## (2) "Caphyra" Guérin-Ménéville

Both the place and date of publication given for this generic name in *Opinion* 73, as also for the name of its type species, are incorrect. The entry given in this *Opinion* reads as follows :—" *Caphyra* Guérin, 1830, 26, mt. *C. rouxii* Guérin, 1830." Reference to the list of papers given earlier (: 24) in *Opinion* 73 shows that the expression "Guérin,

1830 ” was intended to be interpreted as meaning “ Guérin, 1830, Voy. Coquille, Zool., v.2, Crust.” Reference to the *Voy. Coquille* shows that these names were published in vol. 2 (No. 2) (Part 1) of the Zoology Section (*Caphyra* on page 26 and *C. rouxii* on page 28). The point to be noted here is that a detailed analysis of the evidence relating to the dates of publication of the *Voy. Coquille* made by Sherborn in 1905 (*Ann. Mag. nat. Hist.* (7) 17 : 335) shows that the Crustacea portion was issued as Livraison 28 (which contained 60 sheets, i.e. the whole of Vol. 2, No. 2) and that this Livraison was not published until 1838. Thus if *Caphyra* had first been published in the *Voy. Coquille*, it would be necessary to attribute it to the year “ 1838 ” and not to the year “ 1830 ” (the year cited in *Opinion* 73). But in fact that generic name and the name of the type species of the genus so named were first published in a paper in the *Ann. Sci. nat.* of Paris which appeared in 1832. The correct references for the two names in question are thus :—*Caphyra* Guérin-Ménéville, 1832, *Ann. Sci. nat.*, Paris 25(99) : 285 ; *Caphyra rouxii* Guérin-Ménéville, 1832, *ibid.* 25(99) : 287.

### (3) “ *Hepatella* ” Smith

The name *Hepatella* Smith and the name (*Hepatella amica* Smith) of the type species of the genus so named were published in volume 3 of the *American Naturalist*. These names were assigned the date “ 1870 ” in *Opinion* 73. Inspection of this volume shows that Part 5 (the part in which the foregoing names appeared) bears the date “ July 1869 ”. It also bears the following legend :—

“ Entered according to Act of Congress in the year 1869, by the Peabody Academy of Science, in the clerk’s office of the District Court of the District of Massachusetts.”

On the other hand, the title page of the volume as a whole bears the date “ 1870 ” and it was no doubt from this source that this date was cited in *Opinion* 73. There are no grounds for rejecting the evidence cited above and it is reasonable therefore to conclude that this volume appeared partly in 1869 and partly in 1870 and that the Part containing the names here under consideration was published in the earlier of these two years.

### (4) Relative dates of publication in 1855 of two papers by Bell (T.), each containing identical names as new names.

A number of names dealt with in *Opinion* 73 were first published in 1855 in a paper by Bell (T.), the place of publication being cited in that *Opinion* as volume 21 of the *Transactions of the Linnean Society of London*. It appears from the Minutes of the Society that the paper was read at a meeting held under Bell’s Presidency on 5th June 1855. It was published later in the same year in the *Transactions*, but previous to this an abstract of it containing new names with the requisite indications appeared in the issue of the *Proceedings* of the Society,



published on the 19th October 1855. The names concerned should therefore be attributed to the *Proceedings* and not to the *Transactions*.

The names to which the foregoing correction applies and the number of the page in vol. 2 of the *Proceedings* in which those names first appeared are as follows :—*Leucosilia* (: 431) ; *Lithadia* (: 434) ; *Myrodes* (: 432) ; *Nursilia* (: 434) ; *Phlyxia* (: 433) ; the name *Oreophorus nodosus* (: 434) (specific name of type species of *Speloeophorus*).

**(5) Date of publication of the “Crustacea” Section of Arthur White’s “The Voyage of H.M.S. Samarang”.**

A number of names first published in the Crustacea Section of Adams (A.), *The Voyage of H.M.S. Samarang* were dealt with in *Opinion 73* where they were all treated as having been published in 1848. Sherborn, however, has shown (1922, *Index Anim.*, Sectio secund. (1) : cxi) that the Crustacea Section of this book was published in two parts, the first, containing pp. 1—32, in July 1848 ; the second, containing pp. 33—66, in April 1849. Re-examination of the dates assigned in *Opinion 73* to names published in this work shows that the following names must be dated “1849” instead of “1848” :—(i) *Carpilius signatus* (: 37) (type species of *Atergatopsis*) ; (ii) *Iphiculus* (: 57) and its type species *Iphiculus spongiosus* (: 57) ; (iii) *Lissocarcinus* (: 45) and its type species *Lissocarcinus polybioides* (: 46) ; (iv) *Lupocyclus* (: 46) and its type species *Lupocyclus rotundatus* (: 47) ; *Tlos* (: 57) and its type species *Tlos muriger* (: 58).

**(6) “Trichodactylus” Latreille**

This name was published in Part 2 of volume 10 (Crustacea) of the *Ency. méth.*, and in *Opinion 73* the date “1825” was attributed to it. This is, however, incorrect, being the date of publication of the first part of the volume. Part 2 was published in 1828.

**(7) “Cymo” de Haan, [1833]**

In *Opinion 73* the date “1825” was attributed to *Pilumnus andreossyi* Audouin, the name of the type species of the genus *Cymo*. This matter, however, was investigated by Sherborn (1923, *Index Anim.*, Sectio secund. : 305) who ascertained that the above name should be treated as having been published in 1826.

**(8) “Scylla” de Haan, [1833]**

This genus was stated by Miss Rathbun in *Opinion 73* to be monotypical with *Cancer serratus* Forskål, 1775, as type species. Miss Rathbun was aware that de Haan had placed a second nominal species in this genus, namely, *Portunus tranquebaricus* Fabricius, 1798, for she noted this fact in the application published in the *Opinion*, and added that these species “are synonymous”. Although she was of the opinion that only one valid taxon had been placed by de Haan in this genus,



it was erroneous from the nomenclatorial point of view to state that the genus was monotypical. She herself in the application referred to above definitely selected *C. serratus* Forskål to be the type species of *Scylla* de Haan, and this appears to be the first, and therefore the valid, type selection for this genus.

(b) Corrections of entries in "Opinion" 85

(9) Date of publication of the Crustacea Section of d'Orbigny's "Voyage dans l'Amerique Meridionale"

Both in *Opinion* 73 and in *Opinion* 85 there are names which were first published in the Crustacea Section of d'Orbigny's *Voyage dans l'Amerique Meridionale*. There is no consistency as to the dates assigned to those names in those *Opinions*. The dates given in *Opinion* 73 are correct but those given in *Opinion* 85 for the following names were incorrectly given as "1843" instead of "1844":—*Paraxanthus*; *Pilumnoides*; *Pinnotherelia*.

(10) "Pinnotheres" Latreille

The name *Pinnotheres* Latreille was published in volume 3 of the *Hist. nat. gen. partic. Crust. Ins.* in Sonnini's Buffon. In *Opinion* 85 the date given for this name was "1801—2" and it was stated that the volume concerned was published in An X of the French Revolutionary Calendar. This ran from September 1801 to September 1802. While "An X" is the date given on the title page of the volume, it has now been established that it cannot have been published before some date in "An XI", i.e. in the period September 1802 to September 1803 (see Hemming, 1946, *Bull. zool. Nomencl.* 1 : 205, footnote 7).

(c) Corrections of entries in "Opinion" 104

(11) "Nephrops" [Leach]

Two points call for notice in connection with the name *Nephrops*. First, it must be noted that it is sometimes cited in the literature as having been first published in 1816 in the Supplementary Volume to the 4th—6th Editions of the *Encyclopedia Britannica*. In fact, however, it was first published in an anonymous article by Leach in Brewster's *Edinburgh Encyclopedia* (7(2) : 398—400). Second, it should be noted that Part 2 of vol. 7 of Brewster's *Edinb. Ency.* was published in 1814 and not in 1815, the year attributed to it in *Opinion* 104. (For a note on the date of publication of this portion of the *Edinb. Ency.* see Rathbun, 1897, *Proc. biol. Soc. Wash.* 11 : 154, *nota.*).

(12) "Pandalus" Leach, 1815

The name *Pandalus* was published by Leach twice in the year 1815. The first occasion was in the text to Plate 40(2) of his *Malac. podophth. Brit.* The second occasion was in the *Trans. linn. Soc. Lond.* (11(2) : 346). By some oversight it was the latter instead of the former of these references which was cited in *Opinion* 104 as the original reference for this name.

## ANNEXE 3

**Proposed addition of certain objectively invalid names to the "Official Indexes of Rejected and Invalid Names"**

**Section A:—Proposed addition of fifty-one generic names to the "Official Index of Rejected and Invalid Generic Names in Zoology"**

1. *Acanthocycilus* Dybowski, 1873, *Arch. Naturk. Liv-, Ehst-u. Kuhl. Dorpat* (I)5 : 333 (a junior homonym of *Acanthocycilus* Milne Edwards (H.) & Lucas, [1844], placed on the *Official List* in *Opinion* 73)
2. *Acanthopus* de Haan, [1835], in Siebold, *Fauna japon. (Crust.)* : 29 (a junior homonym of *Acanthopus* Klug, 1807, *Mag. f. Insektenk. (Illiger)* 6 : 199, 226) (replaced by *Percnon* Gistel, 1848, placed on the *Official List* in *Opinion* 85)
3. The under-mentioned junior homonyms of *Asthenognathus* Stimpson, 1858, placed on the *Official List* in *Opinion* 85 :—
  - (a) *Asthenognathus* Bocourt, 1884, *Bull. Sci. Soc. Philomat. Paris* (7)8 : 149
  - (b) *Asthenognathus* Broom, 1915, *Bull. Amer. Mus. nat. Hist* 25 : 125
4. The under-mentioned junior homonyms of *Bathynectes* Stimpson, [1871], placed on the *Official List* in *Opinion* 73 :—
  - (a) *Bathynectes* Guenther, 1878, *Ann. Mag. nat. Hist.* (5)2 : 20
  - (b) *Bathynectes* Brinkman, 1913, *Bergens Mus. Aarb.* 1912 (9) : 1
5. The under-mentioned junior homonyms of *Bellia* Milne Edwards (H.), 1848 placed on the *Official List* in *Opinion* 73 :—
  - (a) *Bellia* Bate, 1851, *Ann. Mag. nat. Hist.* (2)7 : 318
  - (b) *Bellia* Gray (J.E.), 1869, *Proc. zool. Soc. Lond.* 1869 : 197
  - (c) *Bellia* Tutt, 1902, *Nat. Hist. Brit. Lep.* 3 : 386
6. *Caphyra* Barrande, 1846, *Not. prélim. Syst. Silur. Trilob. Bohême* : 32 (a junior homonym of *Caphyra* Guérin-Ménéville, 1832, placed on the *Official List* in *Opinion* 73)
7. *Chlorodopsis* Milne Edwards, 1863, *Ann. Sci. nat., Paris, Zool.* (4)20 : 292 (a *nomen nudum*)
8. *Cyrtograpsus* Carruthers, 1867, *Intell. Observ.* 11 : 369 (a junior homonym of *Cyrtograpsus* Dana, 1851, placed on the *Official List* in *Opinion* 85)
9. *Eucrate* Rafinesque, 1915, *Analyse Nature* : 136 (a *nomen nudum*)
10. *Euryplax* Klapalek, 1909, *Wien. ent. Ztg.* 28 : 255 (a junior homonym of *Euryplax* Stimpson, 1859, placed on the *Official List* in *Opinion* 85)



11. *Gecarcinicus* Dana, 1852, *U.S. Explor. Exped.* 13 (Crust.) : 375, pl. 1 (an Erroneous Subsequent Spelling for *Gecarcinucus* Milne Edwards (H.), 1844, placed on the *Official List* in *Opinion* 73)
12. *Goneplat* [Leach], [1814], Brewster's *Edinb. Ency.* 7 : 393 (an Invalid Original Spelling for *Goneplax* [Leach], [1814], placed on the *Official List* in *Opinion* 85)
13. *Gonoplax* Leach, 1815, *Trans. linn. Soc. Lond.* 11(2) : 323 (an Invalid Emendation of *Goneplax* [Leach], [1814], placed on the *Official List* in *Opinion* 85)
14. The under-mentioned junior homonyms of *Halimede* de Haan, [1835], placed on the *Official List* in *Opinion* 85 :—
  - (a) *Halimede* Rathke, 1843, *Nova Acta Acad. Caes. Leop. Carol.* 20(1) : 166
  - (b) *Halimede* Oberthuer & Houlbert, 1922, *C.R. Acad. Sci. Paris* 174 : 190
15. *Helice* Chambers, 1873, *Canad. Ent.* 5 : 187 (a junior homonym of *Helice* de Haan, [1833], placed on the *Official List* in *Opinion* 85)
16. *Holometopus* Angelin, 1854, *Pal. Scand.* (ed. 1) fasc. 2 : 58 (a junior homonym of *Holometopus* Milne Edwards (H.), 1853, placed on the *Official List* in *Opinion* 85)
17. The under-mentioned junior homonyms of *Homalaspis* Milne Edwards (A.), 1863, placed on the *Official List* in *Opinion* 85 :—
  - (a) *Homalaspis* Brunner von Wattenwyl, 1895, *Monogr. Pseudophylliden* 9 : 217
  - (b) *Homalaspis* Kaier, 1932, *Skr. Svalbard Ishavet*, Oslo, 52 : 14
18. *Homarus* Broun, 1881, *Man. N.Z. Coleopt.* (fasc. 2) : 740 (a junior homonym of *Homarus* Weber, 1795, placed on the *Official List* in *Opinion* 104)
19. *Iphiculus* White, 1847, *List. Crust. Coll. B.M.* : 51 (a *nomen nudum*)
20. The under-mentioned junior homonyms of *Iphis* Leach, 1817, placed on the *Official List* in *Opinion* 73 :—
  - (a) *Iphis* Koch (C.L.), 1835, *Deutschl. Crust. Myriap. Arach.* (Heft 2) : tab. 6
  - (b) *Iphis* Laporte, 1836, *Revue Entom.* 4(1) : 7



21. *Liagora* Gistel, 1848, *Nat. Thierr.* : ix (an Erroneous Subsequent Spelling for *Liagore* de Haan, [1833], placed on the *Official List* in *Opinion* 85)
22. *Lissocarcinus* Adams & White, 1847, in White's *List. Crust. coll. B.M.* : 126 (a *nomen nudum*)
23. *Lupocyclus* White, 1847, *List Crust. Coll. B.M.* : 127 (a *nomen nudum*)
24. *Persephona* Leach, 1852, *Syn. Moll. Gt. Brit.* : 146, 189 (a junior homonym of *Persephona* Leach, 1817, placed on the *Official List* in *Opinion* 73)
25. The under-mentioned junior homonyms of *Pilumnus* Leach, 1815, placed on the *Official List* in *Opinion* 85 :—
  - (a) *Pilumnus* Rafinesque, 1815, *Analyse Nature* : 122
  - (b) *Pilumnus* Dejean, 1821, *Cat. Coll. Coléopt. Dejean* [1821 ed.] : 86 ; id., 1823, *Col. u. Lepid.* : 56
  - (c) *Pilumnus* Koch (C.L.), 1837, *Uebers Arachnidensyst.* 1 : 38
  - (d) *Pilumnus* Gistel, 1848, *Nat. Thierr.* : xi (nom. nov. pro *Alphus* Dejean, 1833)
  - (e) *Pilumnus* Bonaparte, 1854, *Ateneo Ital.* 2 : 123
26. The under-mentioned junior homonyms of *Planes* Bowditch, 1825, placed on the *Official List* in *Opinion* 85 :—
  - (a) *Planes* Saussure, 1862, *Rev. Mag. Zool.* (2)14 : 228
  - (b) *Planes* Rondani, 1864, *Arch. Zool. anat. Fisiol.* 3 (fasc. 1) : 9
27. *Podacanthus* Brandt, 1848, *Bull. Acad. Sci. St. Petersb.* 7(12/13) : 180 (a junior homonym of *Podacanthus* Gray, 1833) (replaced by *Erimacrus* Benedict, 1892, placed on the *Official List* in *Opinion* 73)
28. *Podophtalmus* Lamarck, 1801, *Syst. Anim.* : 152 (an Invalid Original Spelling for *Podophthalmus* Lamarck, 1801, placed on the *Official List* in *Opinion* 73)
29. *Polydectus* Rafinesque, 1815, *Analyse Nature* : 142 (a *nomen nudum*)
30. *Pseudopinnixa* Holmes, 1895, *Proc. Cal. Acad. Sci.* (2)4 : 565 (a junior homonym of *Pseudopinnixa* Ortmann, 1894, placed on the *Official List* in *Opinion* 85)
31. *Ptychognathus* Owen, 1860, *Quart. J. geol. Soc. Lond.* 16 : 49 (a junior homonym of *Ptychognathus* Stimpson, 1858, placed on the *Official List* in *Opinion* 85)

32. *Telmessus* Stål, 1866, *Hemipt. Afric.* 4 : 211 (a junior homonym of *Telmessus* White, 1846, placed on the *Official List* in *Opinion* 73)
33. *Tlos* White, 1847, *List Crust. Coll. B.M.* : 129 (a *nomen nudum*)
34. *Trichodactylus* Dufour, 1839, *Ann. Sci. nat., Paris (Zool.)* 11 : 276 (a junior homonym of *Trichodactylus* Latreille, 1828, placed on the *Official List* in *Opinion* 73)
35. *Utica* Hewitson, [1865], *Ill. diurn. Lep. Lycaenidae* 1 : 56 (a junior homonym of *Utica* White, 1847, placed on the *Official List* in *Opinion* 85)
36. The under-mentioned junior homonyms of *Valdivia* White, 1847, placed on the *Official List* in *Opinion* 73 :—
  - (a) *Valdivia* Ragonot, 1888, *Nouv. gen. esp. Phycit. Gall.* : 27
  - (b) *Valdivia* Shannon, 1927, *Proc. U.S. nat. Mus.* 70 (art. 9) : 31
37. *Zosimus* Schaufuss, 1886, *Tijdschr. Ent.* 29 : 293 (a junior homonym of *Zosimus* Leach, 1825, placed on the *Official List* in *Opinion* 85)
38. *Zozymus* Milne Edwards (H.), 1834, Roret's Suite à Buffon (Crust.) 1 : 383 (an Erroneous Subsequent Spelling for *Zosimus* Leach, 1825, placed on the *Official List* in *Opinion* 85)

**Section B :—Proposed addition of six specific names to the  
“ Official Index of Rejected and Invalid Specific Names  
in Zoology ”**

1. *granulatus* de Haan, [1835], as published in the combination *Cancer (Actaea) granulatus* (in Siebold, *Fauna japon. (Crust.)* : 4, 18) (a junior homonym of *granulatus* Linnaeus, 1758, as published in the combination *Cancer granulatus*)
2. *ponnanti* Leach, [1817], as published in the combination *Ebalia pennanti* (*Malac. podophth. Brit.* (14) : text to pl. 25) (a junior objective synonym of *tuberosus* Pennant, 1777, as published in the combination *Cancer tuberosus*).
3. *tresselata* Milne Edwards, 1834, as published in the combination *Lybia tresselata* (Roret's Suite à Buffon, *Hist. nat. Crust.* 1 : 431) (an Erroneous Subsequent Spelling for *tesselatus* Latreille, 1812, as published in the combination *Grapsus tesselatus*)
4. *variegatus* [Leach], [1814], as published in the combination *Portumnus variegatus* (Brewster's *Edinb. Ency.* 7(2) : 391) (a junior objective synonym of *latipes* Pennant, 1777, as published in the combination *Cancer latipes*)



5. *jurinii* Bell, 1855 (as published in the combination *Leucosilia jurinii* *Proc. linn. Soc. Lond.* **2** : 431 ; id., 1855, *Trans. linn. Soc. Lond.* **21** : 295) (an Erroneous Subsequent Spelling for *jurinei* Saussure, 1853, as published in the combination *Guaia* (*Ilia*) *jurinei*)
6. *vigil* Fabricius, 1798, as published in the combination *Portunus vigil* (*Suppl. Ent. syst.* : 363) (a junior objective synonym of *vigil* Weber, 1795, as published in the combination *Portunus vigil*)

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper the question of making the additions to the *Official Lists* and *Official Indexes* recommended therein was allotted the Registered Number Z.N.(S.) 987.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)28 :** On 19th September 1955 a Voting Paper (V.P.(O.M.)(55)28) was issued in which each Member of the Commission was asked (1) to state whether he agreed " that, in accordance with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, and other matters on which action is required in order to complete, to clarify, or to correct Rulings given in *Opinions* rendered in the foregoing period, the action recommended in paragraph 7 of the paper numbered Z.N.(S.) 987, regarding names in the Order Decapoda (Class Crustacea), submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] be now taken as there recommended ", and (2), if he did not so agree as regards any given item, to indicate that item.



**4. Withdrawal of the proposals in regard to three specific names submitted with Voting Paper V.P.(O.M.)(55)28 :** Consequential upon a decision to withdraw from the scope of V.P.(O.M.)(55)27 the proposals submitted therewith in relation to the names *Pandalus* Leach 1815, *Pinnotheres* Latreille [1802—1803] and *Portumnus* Leach, 1814, in order to permit of the consideration of certain new information received in regard to those names, the Secretary on 7th October 1955 executed the following Minute withdrawing from the scope of Voting Paper V.P.(O.M.)(55)28 certain supplementary proposals relating to the foregoing names for the purpose of enabling the Commission to deal simultaneously with all outstanding problems in regard to these names when it should have before it revised proposals prepared in the light of the additional information referred to above :—

**Withdrawal of proposals relating to three specific names from the scope of Voting Paper V.P.(O.M.)(55)28**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.,

(Secretary to the International Commission on Zoological Nomenclature)

In the light of additional information now furnished by Dr. L. B. Holthuis I have this day by a Minute numbered Z.N.(S.) 985 withdrawn from the scope of Voting Paper V.P.(O.M.)(55)27 certain proposals submitted therewith in relation to the names *Pandalus* Leach, 1815, *Pinnotheres* Latreille, [1802—1803] and *Portumnus* Leach, 1814, in order to permit of the further study of the issues involved before decisions were taken by the Commission thereon. In completion of the action taken in the foregoing Minute I now, as Secretary, withdraw from the scope of Voting Paper V.P.(O.M.)(55)28 certain other proposals regarding the foregoing names for the purpose of enabling all aspects of the questions outstanding in regard to the above names to be taken into consideration by the Commission simultaneously.

**5. The Prescribed Voting Period :** As Voting Paper V.P.(O.M.)(55)28 was issued under the One-Month Rule, the Prescribed Voting Period therefor closed on 19th October 1955.

**6. Addition to the "Official Index of Rejected and Invalid Generic Names in Zoology" of six additional junior homonyms**

of the name "*Acanthopus*" Klug, 1807 : On 1st November 1955, Mr. Hemming, as Secretary, placed the following Minute on the Commission's File Z.N.(S.) 987 :—

**Addition to the " Official Index of Rejected and Invalid Generic Names in Zoology " of certain junior homonyms of "*Acanthopus*" Klug, 1807, additional to that specified in Annexe 3 to the paper submitted with Voting Paper V.P.(O.M.)(55)28**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.,  
(Secretary to the International Commission on Zoological Nomenclature)

In returning his copy of Voting Paper V.P.(O.M.)(55)28, Mr. Sylvester-Bradley drew attention to the fact that in Annexe 3 to the paper numbered Z.N.(S.) 987 submitted with the foregoing Voting Paper<sup>1</sup> one only of a number of junior homonyms of *Acanthopus* Klug, 1807, had been put forward for addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* and expressed the view that all of these ought now to be placed on the above *Official Index*.

2. Having regard to the Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that all objectively invalid names dealt with in, or otherwise involved in connection with, cases submitted to the Commission for decision be placed on the appropriate *Official Index*, I now, as Secretary, hereby direct that the following names each of which is a junior homonym of *Acanthopus* Klug, 1807, be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* and that the said additions to the *Official Index* be included in the Ruling in the *Direction* embodying the decisions of the Commission in its vote on Voting Paper V.P.(O.M.)(55)28 :—

- (a) *Acanthopus* Oken, 1816, *Lehrbuch Naturgesch.* 3(2) : iii, 122
- (b) *Acanthopus* Dahl, 1823, *Col. u. Lepid.* : 45
- (c) *Acanthopus* Latreille, 1829, in Cuvier (G.L.C.F.D.), *Règn. anim.* (ed. 2) 5 : 38
- (d) *Acanthopus* Muenster, 1839, *Beitr. Petref.* (1) : 94
- (e) *Acanthopus* Giebel, 1872, *Thesaur. Orn.* 1 : 260
- (f) *Acanthopus* Vernet, 1877, *Arch. Sci. phys. nat. Genève* (n.s.) 60 : 334

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<sup>1</sup> For the text of the paper here referred to see the first paragraph of the present *Direction*.



**7. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)28 :**  
At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)28 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Boschma ; Holthuis ; Stoll ; Mayr ; Riley ; Vokes ;  
Hering ; Jaczewski ; Prantl ; Lemche ; Mertens ; Bonnet ;  
do Amaral ; Hankó ; Esaki ; Key ; Dymond ; Cabrera ;  
Hemming ; Miller<sup>2</sup> ; Bradley (J.C.) ; Kühnelt ; Sylvester-  
Bradley ; Tortonese ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.

**8. Declaration of Result of Vote :** On 1st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)28, signed a Certificate that the Votes cast were as set out in paragraph 7 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**9. Preparation of the Ruling given in the present “ Direction ” :**  
On 29th December 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord

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<sup>2</sup> Commissioner Miller exercised in this case the right conferred by the Thirteenth International Congress of Zoology in Paris, 1948, under which a Commissioner may, if he so desires, signify his willingness to support the view or the majority view, of other members of the Commission (1950, *Bull. zool. Nomencl.* 4 : 50—51).



with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)28, subject (a) to the withdrawal therefrom of the proposals relating to the two generic names specified in the Minute executed by the Secretary on 7th October 1955, and (b) to the addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* of the junior homonyms specified in the Secretary's Minute of 1st November 1955. The Minutes referred to above have been reproduced in paragraph 4 and paragraph 6 respectively of the present *Direction*.

**10. Original References :** The original references for the generic names specified in Rulings (1) and (2) of the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*. The references for the names specified in Ruling (3) have been similarly noted except in so far as they have been supplemented by additional information given in Annexe 2 to the application reproduced in the first paragraph of the present *Direction*. The original references for the names specified in Rulings (4) and (5) are given in Annexe 3 to the paper referred to above, with the exception of those for six junior homonyms of *Acanthopus* Klug, 1807, the references for which are given in the Minute executed by the Secretary on 1st November 1955, the text of which is given in paragraph 6 of the present *Direction*.

**11.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**12.** The present *Direction* shall be known as *Direction Thirty-Seven (37)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Ninth day of December, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

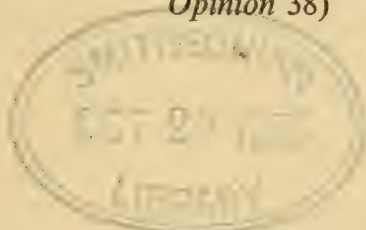
**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.3. Pp. 83—94**

## **DIRECTION 38**

Rejection for nomenclatorial purposes of the anonymously published work entitled *Ornithologia britannica* issued in 1771 and believed to have been written by Marmaduke Tunstall and matters incidental thereto (cancellation of *Opinion 38*)



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 38

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)*

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 38

REJECTION FOR NOMENCLATORIAL PURPOSES OF  
THE ANONYMOUSLY PUBLISHED WORK ENTITLED  
“ORNITHOLOGIA BRITANNICA” ISSUED IN 1771  
AND BELIEVED TO HAVE BEEN WRITTEN BY  
MARMADUKE TUNSTALL AND MATTERS  
INCIDENTAL THERETO (CANCELLATION OF  
“ OPINION ” 38)

**RULING :—**(1) It is hereby ruled that in the anonymous work published in 1771 under the title *Ornithologia britannica* the author, who is reputed to have been Marmaduke Tunstall, did not apply the principles of binominal nomenclature, that in consequence no new name published in the foregoing work acquired the status of availability in virtue of being so published and therefore that the acceptance of that work for nomenclatorial purposes signified in *Opinion* 38 was incorrect.

(2) In view of (1) the Ruling given in *Opinion* 38 is hereby cancelled for all except historical purposes.

(3) The title of the work specified in (1) above is hereby placed on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* with the Title No. 48.

(4) Attention is drawn to the action taken by the Commission by the Ruling given in *Opinion* 404 under which the generic name *Pyrrhocorax* [Tunstall], 1771, the only new generic name published in the *Ornithologia britannica*, was validated under the Plenary Powers and placed on the *Official List of Generic Names in Zoology*.

(5) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Ampelis* Nozeman & Vosmaer, 1758 (a name published in a work rejected for nomenclatorial purposes<sup>1</sup>) (Name No. 518) ;
- (b) *Columbus* [Tunstall], 1771 (an Erroneous Subsequent Spelling for *Columba* Linnaeus, 1758) (Name No. 519) ;
- (c) *Columbus* Linnaeus, 1758 (an Invalid Original Spelling for *Colymbus* Linnaeus, 1758) (Name No. 520).

(6) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 1015 :—*Columba* Linnaeus, 1758 (gender : feminine) (type species, by selection by Vigors (1825) : *Columba oenas* Linnaeus, 1758).

(7) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 944 :—*oenas* Linnaeus, 1758, as published in the combination *Columba oenas* (specific name of type species of *Columba* Linnaeus, 1758).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* contains a revised Ruling regarding the status for nomenclatorial purposes of the anonymously published work entitled *Ornithologia britannica* commonly attributed to Marmaduke Tunstall which was published in 1771. It will be

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<sup>1</sup> For the rejection for nomenclatorial purposes of Nozeman & Vosmaer, 1758, *Geslachten der Vogelen*, see *Opinion* 241 (1954, *Ops. Decls. int. Comm. zool. Nomencl.* 4 : 13—21).

recalled that, when on 1st September 1955 the Commission was invited on Voting Paper V.P.(O.M.)(55)22 to codify the Rulings in regard to the status of individual books and papers given by it in *Opinions* rendered up to the end of 1936, it was explained that further investigations were in progress in regard to the foregoing work and that in consequence it was not proposed on that occasion to submit any proposal for the codification of the Ruling given in *Opinion* 38, the *Opinion* in which in 1912 the Commission had previously dealt with the present subject<sup>2</sup>. For various reasons the issue of the Voting Paper referred to above did not take place at as early date as had originally been expected with the result that the above Voting Paper was issued concurrently with the Voting Paper covering the Secretary's promised Supplementary Report on the *Ornithologia britannica* of 1771. That Report, which was also submitted on 1st September 1955, was as follows :—

**Proposed cancellation of “ Opinion ” 38 and matters  
incidental thereto**

By FRANCIS HEMMING, C.M.G., C.B.E.,

(*Secretary to the International Commission on Zoological Nomenclature*)

Under decisions taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953 (*Copenhagen Decisions zool. Nomencl.* 24, Decision 24 ; *ibid.* : 23, Decision 23), an *Official List of Works Approved as Available for Zoological Nomenclature* and an *Official Index of Rejected and Invalid Works in Zoological Nomenclature* were established and the Commission was instructed to place on this new *Official List* and *Official Index* the titles of works which it had, in the one case, accepted and, in the other case, rejected for nomenclatorial purposes. The Commission has already complied with the above Directive as regards all *Opinions* rendered since 1936. Proposals are now being submitted<sup>2</sup>, in connection with Voting Paper V.P.(O.M.)(55)22, to enable it to do so in respect of all *Opinions* rendered before the above date, except in the present case which it was considered could be more conveniently dealt with separately, and four others, which for various reasons are also dealt with separately.

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<sup>2</sup> For the decision taken by the International Commission on Voting Paper V.P.(O.M.)(55)22 see *Direction* 32 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 307—328.



2. *Opinion* 38, with which the present paper is concerned, was published in 1912 (*Smithson. Publ.* 2060 : 89—90) under the title “On the Status of the Latin Names in Tunstall, 1771”. The work dealt with is a very slim large folio consisting of six unnumbered pages (T.P. and Verso blank, [1]—[4]). Its full title is as follows :—“*Ornithologia Britannica : seu Avium omnium Britannicarum tam Terrestrium quam Aquaticarum Catalogus, Sermone Latino, Anglico, & Gallico redditus : cui subjicitur Appendix, Aves alienigenas, in Angliam rara advenientes, complectens.* The Title Page states that this work was “Printed for the Author by J. Dixwell in *St. Martin’s Lane*” and bears the date “1771”. The work is anonymous but is attributed to Marmaduke Tunstall (1743—1790).

3. This book consists entirely of a tabular presentation of the names for the British birds known to the author. The entry in these tables for each species contains four columns devoted to (i) the Latin name of the genus, (ii) a Latin name for the species, (iii) an English vernacular name, (iv) a French vernacular name. The work has no pretention to originality, being, as is clearly shown by the following footnote, no more than a compilation from earlier works :—“*Nomina Latina vel ex Linnaeo vel ex ultima editione Zoologiae Britannicae, Gallica vero ornithologia Brissonii plerumque decerpta sunt.*” No bibliographical references are given for any of the 53 generic names cited and very few such references are supplied for the names used for species, there being references for only 14 of the Latin specific names and for one of the English names cited. Thus for 226 out of the 241 “species” recognised no bibliographical references are supplied. For fourteen of the species cited, polyverbal Latin specific names are employed.

4. It was recognised by the Commission that in this book Tunstall did not apply the principles of binominal nomenclature, it being stated in the Section of *Opinion* 38 headed “Discussion” that “the nomenclature is binary”. That the Commission felt able to accept names in Tunstall’s *Ornithologia* as possessing the status of availability was due to the fact that at that time it was guiding itself by the interpretation of Proviso (b) to Article 25 which it had given in 1910 in *Opinion* 20. In that *Opinion* it had ruled that the generic names but not the specific names, in the *Zoophylacium Gronovianum* of Gronovius were available, because, although that author had not applied the principles of binominal nomenclature, he had used a “binary” system of nomenclature, that is, he had realised that the scientific name for an animal must be so constructed as to recognise the twofold concept of genus and species. In Paris in 1948 the International Congress of Zoology rejected as defective the Ruling given in *Opinion* 20 and underlined its decision in this matter by substituting the expression “nomenclature binominale” for the expression “nomenclature binaire” wherever it occurred in the *Règles*. Following this decision the Commission during its Paris Session dealt with a number of its older *Opinions* in which the so-called “binary” system of nomenclature had been

recognised as conferring availability upon names published in the works concerned. Tunstall's *Ornithologia* had not then been re-examined from the foregoing point of view, and accordingly the disposal of generic names published in that work was left over for later consideration.

5. It is necessary therefore to examine the generic names used by Tunstall, to see which of them require to be validated, now that, the *Ornithologia*, contrary to the statement in *Opinion* 38, is found to be unavailable for nomenclatorial purposes. It is here that a paradoxical situation is disclosed, for of the 46 generic names cited by Tunstall, 41 were first published by Linnaeus in 1758, 3 by Brisson in 1760, and one by Linnaeus in 1766. Thus one new generic name only was published in this work. The names concerned are:—

- (1) *Names published by Linnaeus, 1758, forty-one (41)* :  
*Falco* ; *Strix* ; *Lanius* ; *Corvus* ; *Picus* ; *Jynx* ; *Cuculus* ; *Sitta* ;  
*Alcedo* ; *Certhia* ; *Tetrao* ; *Otis* ; *Columbus* ; (ex err. pro  
*Columba*) ; *Turdus* ; *Sturnus* ; *Alauda* ; *Hirundo* ; *Motacilla* ;  
*Loxia* ; *Fringilla* ; *Emberiza* ; *Parus* ; *Ardea* ; *Scolopax* ;  
*Tringa* ; *Haematopus* ; *Charadrius* ; *Rallus* ; *Fulica* ; *Colymbus* ;  
*Recurvirostra* ; *Alca* ; *Mergus* ; *Larus* ; *Sterna* ; *Procellaria* ;  
*Anas* ; *Pelecanus* ; *Coracias* ; *Upupa* ; *Platalea* ;
- (2) *Names published by Brisson, 1760, three (3)* :  
*Gallinula* ; *Phaleropus* ; *Merganser* ;
- (3) *Name published by Linnaeus, 1766, one (1)* :  
*Ampelis* ;
- (4) *Name first published in Tunstall's "Ornithologia", one (1)* :  
*Pyrrhacorax*.

6. We see therefore that the only purpose to be served by validating Tunstall's *Ornithologia* would be to provide a valid basis for the name *Pyrrhacorax* as the generic name for the Chough. That action is not now needed even for this purpose since in 1954 the Commission by its vote on Voting Paper V.P.(54)69 used its Plenary Powers to validate the name *Pyrrhacorax* [Tunstall] when dealing with Application Z.N.(S.) 492 (1952, *Bull. zool. Nomencl.* 9 : 53—61)<sup>3</sup>.

7. Both the name *Pyrrhacorax* and the name *Ampelis* were published in 1758 in Nozeman & Vosmaer's *Gesl. Vogel.* : 1, 15 (*Pyrrhacorax*) 2, 25 (*Ampelis*) and, as Tunstall's *Ornithologia* makes no pretension to being an original work, it is likely that Tunstall obtained these two names, if not direct from Nozeman & Vosmaer, at least from some book

<sup>3</sup> The decision taken by the Commission on Application Z.N.(S.)492 (*Pyrrhacorax*) has since been embodied in *Opinion* 404 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 13 : 87—106).



containing a reference to these names. Nozeman & Vosmaer were not binominal authors and the work referred to above has for this reason been rejected by the Commission in *Opinion* 241 (1954, *Ops. Decls. int. Comm. zool. Nomencl.* **5** : 13—22). Since the two names referred to above found their way into Neave's *Nomenclator*, they are liable to mislead the unwary and it is desirable therefore that they should both now be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

8. It will be observed that in paragraph 5(1) above the name *Columbus*, as used by Tunstall, is treated as being a variant, accidental or intentional, of *Columba* Linnaeus, 1758. That this interpretation is correct is shown by the fact that the three species cited by Tunstall under *Columbus* (Stock-Dove ; Ring-Dove ; Turtle-Dove) were all included by Linnaeus in his genus *Columba*. It is desirable that the name *Columbus* [Tunstall] be now disposed of by being placed on the *Official Index* as an Erroneous Subsequent Spelling. At the same time the generic name *Columba* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) **1** : 162) (gender : feminine) (type species, by selection by Vigors, 1825 (*Trans. linn. Soc. Lond.* **14** : 481) : *Columba oenas* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 162) should be placed on the *Official List of Generic Names in Zoology*, and the name *oenas* Linnaeus, 1758, as published in the foregoing combination, should be placed on the *Official List of Specific Names in Zoology*. Finally, it would be well to take note that there is an even earlier invalid usage of the name *Columbus*, namely, that by Linnaeus himself in 1758 in his preliminary section entitled "Classis II. Aves. Characteres Avium" (: 84) where he used this spelling for the genus numbered "68" which on page 134 he dealt with fully under the name *Colymbus*. This Invalid Original Spelling should now be placed on the *Official Index*. (No action is required in connection with the Valid Original Spelling *Colymbus* Linnaeus, 1758, for that name has already formed the subject of a decision by the Commission in its vote on Voting Paper V.P.(54)62)<sup>4</sup>.

9. The specific names cited by Tunstall have not been examined in detail, for even under the erroneous Ruling given in *Opinion* 20 (relating to the *Zoophylacium* of Gronovius), on which the Ruling given in *Opinion* 38 was based, the generic names only, of "binary but not binominal" authors, were acceptable. An inspection of Tunstall shows, it may be noted, that the great majority, if not all, the specific names which he cited in binominal combinations, as contrasted with his polyverbal specific names, were derived from Linnaeus. If any specific name were to be found to be currently accepted as from

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<sup>4</sup> The decision in regard to the generic name *Colymbus* Linnaeus, 1758, taken by the International Commission in its vote on Voting Paper V.P.(54)62 has since been embodied in *Opinion* 401 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* **13** : 1—64).



Tunstall's *Ornithologia*, it would be necessary to treat that name as constituting a separate case, for that usage would not have been justified under the Ruling given in *Opinion* 38, even if that Ruling had been correct which, as shown in paragraph 4 above, it is now seen not to have been.

10. In the light of the particulars furnished above, I recommend the International Commission :—

(1) to take note :—

(a) that in the anonymous work published in 1771 under the title *Ornithologia britannica*, the author, who is believed to have been Marmaduke Tunstall, did not apply the principles of binominal nomenclature and therefore that the names published in the above work do not satisfy the requirements of Proviso (b) to Article 25 and accordingly that the acceptance of the above work for nomenclatorial purposes by the Ruling given in *Opinion* 38 was incorrect ;

(b) that in the above work the only new generic name introduced was the name *Pyrrhocorax* which has already been validated under the Plenary Powers by the vote taken by the Commission on Voting Paper V.P.(54)69, when dealing with Application Z.N.(S.) 492 which was expressly concerned with that name<sup>5</sup>;

(2) for the reasons specified in (1) above, to cancel *Opinion* 38 for all except historical purposes ;

(3) to place the under-mentioned title on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* :—  
[Tunstall (M.)], 1771, *Ornithologia britannica* ;

(4) to place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

(a) *Pyrrhocorax* Nozeman & Vosmaer, 1758 (a name published in a work rejected for nomenclatorial purposes) ;

(b) *Ampelis* Nozeman & Vosmaer, 1758 (a name published in a work rejected for nomenclatorial purposes) ;

(c) *Columbus* [Tunstall], 1771 (an Erroneous Subsequent Spelling for *Columba* Linnaeus, 1758) ;

(d) *Columbus* Linnaeus, 1758 (an Invalid Original Spelling for *Colymbus* Linnaeus, 1758) ;

(5) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—*Columba* Linnaeus, 1758

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<sup>5</sup> See footnote 3.

(gender : feminine) (type species, by selection by Vigors (1825) : *Columba oenas* Linnaeus, 1758) ;

- (6) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—*oenas* Linnaeus, 1758, as published in the combination *Columba oenas* (specific name of type species of *Columba* Linnaeus, 1758).

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's Report, the question whether the International Commission should give a revised Ruling on the status of Tunstall's *Ornithologia britannica* of 1771 was allotted the Registered Number Z.N.(S.) 944.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)23 :** On 1st September 1955, a Voting Paper (V.P.(O.M.)(55)23) was issued in which each Member of the Commission was asked (1) to state whether he agreed that, " in conformity with the General Directive relating to the recording on the various *Official Lists* and *Official Indexes* of decisions in regard to particular names and particular books issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, and with the General Directive supplementary thereto issued to the Commission by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the entries on *Official Lists* and *Official Indexes* specified in paragraph 10 of the paper in regard to Tunstall's *Ornithologia britannica* of 1771 numbered Z.N.(S.) 944 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the application reproduced in the first paragraph of the present *Direction*], together with the other recommendations specified in that paragraph, be approved ", and (2), if he did not so agree as regards any given item, to indicate the item concerned.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 1st October 1955.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)23 :**

At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)23 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Bodenheimer ; Holthuis ; Lemche ; Hering ; Riley ; Mayr ; Vokes ; Miller ; Prantl ; Key ; Esaki ; Bradley (J.C.) ; Cabrera ; Stoll ; do Amaral ; Boschma ; Kühnelt ; Hemming ; Dymond ; Sylvester-Bradley ; Jaczewski ; Tortonese ; Mertens ; Bonnet ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

**6. Declaration of Result of Vote :** On 4th October 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)23, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present “ Direction ” :** On 9th January 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)23, subject to the exclusion from the said Ruling of the addition of the name *Pyrrhocorax Nozeman & Vosmaer, 1758*, to the *Official Index of Rejected and Invalid Generic Names in Zoology* in view of the fact that in the meantime the said action had been taken by the Ruling given in *Opinion 404*<sup>6</sup>.

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<sup>6</sup> See Footnote 3 of the present *Direction*.



**8. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Ampelis* Nozeman & Vosmaer, 1758, *Geslacht. Vogel.* (Dutch translation of Moehring, 1752, *Avium Genera*) : 1, 2, 25

*Columba* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 162

*Columbus* Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 84

*Columbus* [Tunstall], 1771, *Ornith. brit.* : [2]

*oenas*, *Columba*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 162

**9.** The following is the reference for the selection of a type species for *Columba* Linnaeus, 1758, specified in the Ruling given in the present *Direction* :—Vigors, 1825, *Trans. linn. Soc. Lond.* **14** : 481.

**10. Family-group-name position :** The generic name *Columba* Linnaeus, 1758, placed on the *Official List of Generic Names in Zoology* by the Ruling given in the present *Direction* is the type genus of the well-known family COLUMBIDAE. It has not so far been possible to determine where this family-group name was first published. This matter is at present being investigated on a File numbered Z.N.(G.) 133, which has been specially opened for this purpose.

**11.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**12.** The present *Direction* shall be known as *Direction Thirty-Eight* (38) of the International Commission on Zoological Nomenclature.

DONE in London, this Ninth day of January, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

**OPINIONS AND DECLARATIONS  
RENDERED BY THE INTER-  
NATIONAL COMMISSION ON  
ZOOLOGICAL NOMENCLATURE**

*Edited by*

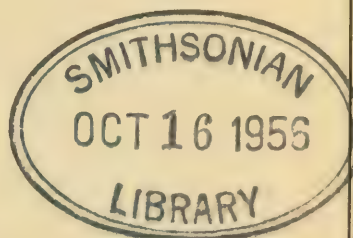
**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.4. Pp. 95—138, 1 pl.**

**DIRECTION 39**

Substitution of *Gallinago* Brisson, 1760, for *Gallinago* Koch, 1816 (Class Aves) on the *Official List of Generic Names in Zoology* (correction of an error in the Ruling given in *Opinion* 67)



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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 39

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N. Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953).

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology*)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N. Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N. Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernest MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo do Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 39

### SUBSTITUTION OF "GALLINAGO" BRISSON, 1760, FOR "GALLINAGO" KOCH, 1816 (CLASS AVES) ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" (CORRECTION OF AN ERROR IN THE RULING GIVEN IN "OPINION " 67)

**RULING :—**(1) The following entry is to be inserted in the *Official List of Generic Names in Zoology* in place of the name *Gallinago* Koch, 1816, made by the Ruling given in *Opinion* 67 :—

*Gallinago* Brisson, 1760 (gender : feminine) (type species, by absolute tautonymy : *Scolopax gallinago* Linnaeus, 1758) (Name No. 58).

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 945 : *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago* (specific name of type species of *Gallinago* Brisson, 1760).

(3) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Names Numbers 521 to 523 respectively :—

- (a) *Gallinago* Koch, 1816 (a junior homonym of, and a junior objective synonym of, *Gallinago* Brisson, 1760) ;
- (b) *Capella* Frenzel, 1801 (a name published in synonymy without an independent description and rejected by its author) ;
- (c) *Capella* Keyserling & Blasius, 1840 (a junior objective synonym of *Rupicapra* Blainville, 1816).

(4) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Number 341 : *media* Koch, 1816, as published in the combination *Gallinago media* (a junior objective synonym of *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*).

# I.—THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

On 23rd August 1952 Mr. Francis Hemming, as Secretary, submitted the following paper to the Commission in which he drew attention to an erroneous entry regarding the generic name *Gallinago* Koch, 1816 (Class Aves) made in the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 67 published in 1916 :—

**Proposed use of the Plenary Powers to suppress the name “ *Gallinago* ”  
Brisson, 1760 (Class Aves), and proposed substitution of “ *Capella* ”  
Frenzel, 1801, for “ *Gallinago* ” Koch, 1816, on the “ *Official*  
*List of Generic Names in Zoology* ” (proposed correction  
of an Erroneous Entry in “ *Opinion* ” 67)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The subject matter of the present application came to notice in the course of the checking of the entries on the *Official List of Generic Names in Zoology* in connection with the projected publication of the *Official List* in book form and is concerned with the generic name *Gallinago* Koch, 1816 (*Syst. baier. Zool.* 1 : 312) which was placed on the *Official List* in *Opinion* 67 published in 1916 (*Smithson. Publ.* 2409 : 180).

2. The generic name *Gallinago* Koch, 1816, was stated in *Opinion* 67 to have as its type species, *Scolopax gallinago* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 147) by absolute tautonymy, through the “*media* of Koch” (i.e. *Gallinago media* Koch, 1816, *loc. cit.* 1 : 314). This name was therefore a generic name applied to the Common Snipe.

3. When checking this part of *Opinion* 67, I observed that Hartert, after using the generic name *Gallinago* Koch for the Snipe in the main portion of his work relating to the genus concerned (Hartert, 1916, *Vögel paläarkt. Fauna* (2) : 1655), had later in the same work (1921, *ibid.* (3) : 2213) published a correction pointing out that *Gallinago*, Koch was a junior synonym of *Capella* Frenzel, 1801 (*Beschr. Vögel Wittenberg* : 58), the type species of which was the nominal species *Capella coelestis* Frenzel, 1801 (*ibid.* : 58), a nominal species which represented the same taxonomic species as did the nominal species *Scolopax gallinago* Linnaeus. I noted also that my colleague Commissioner James L. Peters (1934, *Check List Birds World* 2 : 274) accepted the name *Capella* Frenzel, sinking *Gallinago* Koch as a synonym.

4. As it was clearly not possible in these circumstances to leave the name *Gallinago* Koch on the *Official List* without prior re-submission to the International Commission, I wrote a letter (on 14th October 1945) to Dr. Peters asking for his views as to the action which it was desirable should be taken. Dr. Peters in his reply (of 6th December 1945) wrote : “After *Capella* Frenzel was shown to be an earlier name than *Gallinago* Koch and of equal applicability, it was immediately adopted and is now in current use for the different species of Snipe. For this reason I believe the *Gallinago* should be expunged from the *Official List* and *Capella* substituted in its place. No useful purpose would be served by reinstating *Gallinago* Koch under suspension of the rules and suppressing *Capella*”.

5. Quite recently I was led, for the reasons which I have explained in Application Z.N.(S.) 701 (relating to the generic names *Bubo*, *Coturnix*, *Egretta*, and *Oriolus*)<sup>1</sup> to examine carefully M. J. Brisson's *Ornithologie* published in 1760, for I had already discovered that one name (*Egretta* Forster, 1817) that was already on the *Official List of Generic Names in Zoology* was an invalid junior homonym of a totally overlooked name published in Brisson's *Ornithologie*. This search brought to light the existence of the name *Gallinago* Brisson, 1760 (*Ornithologie* 5 : 298—310), which thus greatly antedates, the name *Capella* Frenzel, 1801. The name *Gallinago* was used by Brisson as the name for a subdivision of the genus *Scolopax* ; he placed in it all except the first of the five species which he referred to *Scolopax*. All the species described in the *Ornithologie* are described

<sup>1</sup> The decision regarding these names has since been taken by the Commission and incorporated in *Direction* 21 (*Ops. Decls. int. Comm. Zool. Nomencl.* 1, Section C : 161—178).



initially under a French name, followed by a Latin diagnosis, at the end of which is given, in different type, the Latin name accepted by Brisson for the species in question, this in turn being followed, in the case of previously described species, by a detailed synonymy. The first of the species placed by Brisson in his *Gallinago* was cited under the French name "La Beccassine", the scientific name at the end of the Latin diagnosis being given simply as "*Gallinago*" (not because Brisson was a mononominalist, but because he customarily cited in this way the names of species when the "species" portion of the name consisted of the same word (i.e. was a single word) tautonymous with the generic name). In the synonymy of this species Brisson quoted the diagnosis given by Linnaeus in 1758 for his *Scolopax gallinago*, finishing this quotation as follows: "*Gallinago*. *Linn. Syst. Nat.* ed. 10 *Gen.* 77 *sp.* 11" (*Scolopax* being the 77th genus of birds in the 10th edition of the *Syst. Nat.* and *Scolopax gallinago* being the eleventh of the species referred by Linnaeus to this genus). Thus, we see clearly that this species is *Scolopax gallinago* Linnaeus, 1758 (: 147) and that, as its trivial name is tautonymous with the generic name selected by Brisson, it is the type species of *Gallinago* Brisson by absolute tautonymy. Accordingly, the name *Gallinago* Brisson, 1760, is not only a senior homonym of *Gallinago* Koch, 1816, but in addition is a senior synonym of Koch's generic name, Brisson's and Koch's nominal genera each having the same nominal species as its type species. The position so established created a new situation and one under which the entry on the *Official List* relating to *Gallinago* Koch was not only (as previously) subjectively defective (because of the subjective identification of the nominal species which are respectively the type species of *Capella* Frenzel, 1801, and of *Gallinago* Koch, 1816), but also objectively incorrect (through *Gallinago* Koch, being both an objective junior homonym, and an objective junior synonym, of *Gallinago* Brisson, 1760). Faced with this situation, it seemed to me that, since (as Dr. Peters had explained) the name *Capella* Frenzel had by now completely replaced the name *Gallinago* Koch, it would be confusing if now that transition had to be reversed, the name *Capella* Frenzel being displaced by *Gallinago* Brisson.

6. At this stage I consulted Colonel Richard Meinertzhagen, Chairman of the Standing Committee on Ornithological Nomenclature who in his reply (dated 12th September 1952) wrote as follows: "If, as at first appeared, the question to be considered in the case of the name *Gallinago* had been whether the name *Gallinago* Koch, 1816, should be replaced on the *Official List* by its senior subjective synonym *Capella* Frenzel, 1801, I should have been strongly in favour of that course, for now that *Gallinago* Koch has been completely replaced by the name *Capella* Frenzel, I should have thought it most unfortunate if, through *Gallinago* Koch being already on the *Official List*, it had been necessary to abandon current practice by reverting to the use of the name *Gallinago* Koch. Now that it appears that the oldest generic name for the Common Snipe is *Gallinago* Brisson, 1760, I hold the

same view for the same reason. I accordingly consider that the best course will be for the International Commission to suppress Brisson's *Gallinago*, to remove Koch's *Gallinago* from the *Official List* and to insert in its place the name *Capella* Frenzel. The trivial name *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*, should, I agree, now be placed on the *Official List of Specific Trivial Names*. Naturally, however, the trivial name *coelestis* Frenzel, 1801 (the trivial name of the type species of *Capella* Frenzel) ought not to be placed on that *Official List*, for, although nomenclatorially it is an available name, it is only a junior synonym of *gallinago* Linnaeus and therefore can never be needed”.

7. A settlement of this case is urgently required, for at present the problem presented by the name *Gallinago* Koch represents one of the obstacles which is holding up the publication of the *Official List of Generic Names in Zoology* in book form. In view of the advice received in this case—as set out in paragraphs 4 and 6 above—I recommend that the International Commission on Zoological Nomenclature should :—

- (1) use its Plenary Powers to suppress the generic name *Gallinago* Brisson, 1760, for the purposes of the Law of Priority but not for those of the Law of Homonymy ;
- (2) delete the name *Gallinago* Koch, 1816, from the *Official List of Generic Names in Zoology*, at the same time correcting *Opinion* 67 to the extent necessary ;
- (3) substitute on the foregoing *Official List* the name *Capella* Frenzel, 1801 (type species, by monotypy : *Capella coelestis* Frenzel, 1801) for the name proposed, under (2) above, to be removed therefrom ;
- (4) place the trivial name *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*, on the *Official List of Specific Trivial Names in Zoology* ;
- (5) place the under-mentioned names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
  - (a) *Gallinago* Brisson, 1760, as proposed, under (1) above, to be suppressed under the Plenary Powers ;
  - (b) *Gallinago* Koch, 1816 (junior homonym of *Gallinago* Brisson, 1760) ;
  - (c) *Capella* Keyserling & Blasius, 1840, *Wirbelth. Europas* 1 : 9 (junior homonym of *Capella* Frenzel, 1801).



## II.—THE SUBSEQUENT HISTORY OF THE PRESENT CASE

**2. Registration of the present application :** When in 1951 Mr. Hemming deposited with the Office of the Commission certain preliminary notes regarding the generic name *Gallinago* Koch, the question of the rectification of the entry on the *Official List of Generic Names in Zoology* in regard to the foregoing name was allotted the Registered Number Z.N.(S.) 575.

**3. Publication of the present application :** The present application was sent to the printer on 24th August 1952 and was published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* on 15th October of the same year (Hemming, 1952, *Bull. zool. Nomencl.* 9 : 93—95).

**4. Issue of Public Notices :** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56) Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 15th October 1952 (a) in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* (the Part in which the application by the Standing Committee on Ornithological Nomenclature was published), (b) to the other prescribed serial publications and (c) to certain general zoological serials. In addition, such Notice was given also to fourteen serial publications or institutions specially concerned with ornithology. The names of the serials and institutions in question have been given in the *Opinion* (*Opinion* 401)<sup>2</sup> relating to the generic name *Colymbus* Linnaeus, the *Opinion* in which the Commission dealt with the first of the series of applications submitted by the Standing Committee on Ornithological Nomenclature.

**5. Comments of a general character :** The issue of the Public Notices specified above elicited thirty-seven comments of a general character relating to the cases of ornithological nomen-

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<sup>2</sup> *Opinion* 401 has been published as Part 1 of volume 13 of the *Opinions and Declarations Series*.



clature published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature*. These comments came from ornithological institutions, groups of ornithologists and individual specialists. Of these comments, the authors of thirty-six gave general support to the applications published in the foregoing Triple-Part. The single remaining comment was from a specialist who was opposed to any use of the Commission's Plenary Powers. The communications so received have been reproduced in the Appendix annexed to *Opinion 401 (Colymbus)*,<sup>3</sup> those supporting the applications referred to above being given in Part 1, the single comment in opposition to the above applications being given in Part 2.

**6. Comments directly related to the present application :** Six communications directly concerned with the present application were received in the Office of the Commission. Of these communications one was signed by six specialists. Seven of the specialists who commented on this case supported the action recommended, while four were opposed to that action. The communications so received are reproduced in the following paragraphs.

**7. Support received from Colonel Richard Meinertzhagen (London) :** On 5th December 1952 Colonel Richard Meinertzhagen (*London*) addressed a letter to the Commission commenting upon a number of applications relating to the names of birds then recently published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature*. The portion of Colonel Meinertzhagen's letter relating to the present case was as follows : "I wish to register my whole-hearted agreement with Recommendations Nos. . . . 17<sup>4</sup> [*Gallinago*]".

**8. Support received from Dr. Josselyn Van Tyne and five other United States ornithologists :** On 18th March 1953 Dr. Josselyn Van Tyne (*Ann Arbor, Michigan, U.S.A.*) and the five under-

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<sup>3</sup> See Footnote 2 above.

<sup>4</sup> The number here cited is that which was allotted to the present case in the list of papers published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* which was printed on the back wrapper of that Part (cover).

mentioned specialists addressed a letter to the Commission in support of the present application:—(a) Robert W. Storer (*Museum of Zoology, University of Michigan, Ann Arbor, U.S.A.*) ; (b) Andrew J. Berger (*Ann Arbor, Michigan, U.S.A.*) ; (c) Olin Sewall Pettingill, Jr. (*Northfield, Minnesota, U.S.A.*) ; (d) Frank A. Pitelka (*Berkeley, California, U.S.A.*) ; (e) John Davis (*Los Angeles, California, U.S.A.*). The letter so received was as follows :—

We, the under-signed, wish to express our strong approval of proposal No. 12<sup>5</sup> (concerning *Capella* Frenzel) published on page 3 of vol. 9 of the *Bulletin of Zoological Nomenclature*. We hope that your Commission will take favorable action on it.

**9. Objection received from Dr. Ernst Mayr (then of the American Museum of Natural History, New York) :** On 8th January 1953 Dr. Ernst Mayr (then of the *American Museum of Natural History, New York*, and now of the *Museum of Comparative Zoology, Cambridge, Massachusetts, U.S.A.*) addressed a letter to the Office of the Commission commenting upon certain of the applications relating to the names of birds published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* and as regards the present application raising objection to the action proposed. The following is the portion of Dr. Mayr's letter relating to the present case :—

The present point concerns the generic name *Gallinago* (Z.N.(S.) 575). It seems to me that in the statement contained on page 93 [of volume 9 of the *Bulletin of Zoological Nomenclature*] there are several inaccuracies. To begin with, as pointed out by you, the name *Gallinago*, with Brisson as author, has priority over *Capella*, and Peters' reasons for supporting *Capella* are therefore invalid. Equally erroneous is the assertion that *Capella* is now the name in universal use. It is true that Dr. Peters had overlooked that the name *Gallinago* was on the *Official List* when he published volume 2 of his checklist. I am guilty of the same negligence when publishing my list of New Guinea birds (1941 : 32). However, several correspondents brought this error to my attention and in the *Birds of the Southwest Pacific* and *Birds of*

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<sup>5</sup> The number here cited is that which was allotted to the present case in the Public Notice of cases involving the possible use of the Commission's Plenary Powers given at the beginning of Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature*.



*the Philippines*, I have used the name *Gallinago*, as have other authors working in the Australian, Papuan, Malayan and India region. For instance it is the name used in Delacour's *Birds of Malaysia* and his recent publications on Indo-Chinese birds.

**10. Objection received from Dr. John T. Zimmer (The American Museum of Natural History, New York) :** On 9th January 1953 Dr. John T. Zimmer (*American Museum of Natural History, New York*) addressed a letter to the Office of the Commission commenting upon certain of the applications relating to the names of birds which had been published in Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* and in the present case raising objection to the action proposed. After stressing the importance of maintaining the principle of permanency for entries made in the *Official List of Generic Names in Zoology*, Dr. Zimmer proceeded as follows :—

The principle of permanency is completely upset, however, by the proposal to remove *Gallinago* from the *List* and replace it by *Capella*. It would be less objectionable to alter the authority for, and reference to, *Gallinago* and credit Brisson with the name, although I am not convinced that this is not also an infraction of the authority of the *List*, but to supplant it by *Capella* destroys all faith in the *Official List* as a permanent standard.

**11. Objection received from M. Noël Mayaud (Faculté des Sciences de Paris) :** Under cover of a letter dated 17th March 1953 M. Noël Mayaud (*Faculté des Sciences de Paris*) furnished the following comment amounting to an objection to the action proposed in the present case : “ *Gallinago* Brisson, 1760, est un nom d'espèce, qui n'invalide pas *Capella* Frenzel<sup>6</sup> ”.

**12. Objection received from Dr. D. L. Serventy (Commonwealth Scientific and Industrial Research Organisation, Wildlife Survey Section, Perth, Western Australia) :** On 22nd April 1953 Dr. D. L. Serventy (*Commonwealth Scientific and Industrial*

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<sup>6</sup> For a full account of the usage of the generic name *Gallinago* by Brisson in 1760 see paragraph 5 of the application reproduced in the first paragraph of the present *Direction*.



*Research Organisation, Wildlife Survey Section, Perth, Western Australia*) addressed the following letter to the Office of the Commission objecting to the action proposed in the present case :—

I was interested in your article in *The Emu*, 53(1), 1953 : 71,<sup>7</sup> concerning certain applications relating to the names of birds submitted to the International Commission.

I would like to offer some comments on the case cited above. It would be a very retrograde step in my opinion to remove any name from the *Official List of Generic Names* merely because, after the acceptance of such a *List*, a prior name is subsequently discovered. Such a *List* is surely prepared and authorised to preserve names *in perpetuity* and, to quote the late Joseph Grinnell (*Condor*, xli, 1939 : 118) to place them “ permanently beyond the reach of name-shifters ”.

It must be confessed that in the *Gallinago* case, the majority of ornithologists followed Gregory Mathews in defying the Commission in this matter and used *Capella*. The Royal Australasian Ornithologists Union was an exception and Australian publications have almost invariably continued to use *Gallinago*. It is pleasing to find that some overseas ornithologists, after having used *Capella*, are now reverting to *Gallinago*. I may quote Ernst Mayr (*Birds of the Southwest Pacific*, 1945, p. 44), Jean Delacour and Ernst Mayr (*Birds of the Philippines*, 1946, p. 72) and Jean Delacour (*Birds of Malaysia*, 1947, p. 87).

If the Commission gives way on this point an unfortunate precedent will have been established and one which will undermine one's faith in the security of any other name on the *Official List*.

**13. Supplementary Report submitted by the Secretary in October 1955 :** In May 1954 there was issued to the Members of the Commission a Voting Paper (V.P.(54)78) in which particulars were given of the comments received in the present case and a decision invited on the action recommended in the application submitted in 1952. From comments received from certain of the Members of the Commission during the Prescribed Voting

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<sup>7</sup> The article here referred to is the Public Notice regarding the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case referred to in paragraph 4 of the present *Direction* which was issued to, and published in, *The Emu* and other ornithological serial publications.

Period on the foregoing Voting Paper it was evident that, having regard to the fact that this was not a case where the only action possible was a straight choice between two opposing alternatives, the Commissioners concerned found it difficult to decide how to record their vote. Accordingly, at the close of the Prescribed Voting Period the Secretary took the view that the best course would be to resubmit this case to the Commission for a fresh vote, the Revised Voting Paper so to be issued to be prepared in such a way that instead of being asked to vote affirmatively or negatively on a single proposal Commissioners would have before them alternative proposals of an affirmative character from which they could choose whichever seemed to them best calculated to serve the general interest. In pursuance of this decision Mr. Hemming on 4th August 1954 executed a Minute of Direction withdrawing the proposals submitted on the Voting Paper referred to above. In the ensuing period, Mr. Hemming carried out, as opportunity offered, a survey of the extent to which during the years 1916 to 1954 the names *Gallinago* and *Capella* respectively had been used as the generic name for the Common Snipe. On 27th October 1955 Mr. Hemming submitted to the Commission the following Supplementary Report in which he summarised the history of the present case, gave particulars of the information which he had collected regarding the relative usage of the foregoing generic names during the last forty years and submitted alternative proposals for arriving at a decision on the action to be taken in this matter :—

Request for a Ruling on the question whether the generic name  
“ *Gallinago* ” or the name “ *Capella* ” shall be the generic name  
correctly applicable to the Common Snipe (Class Aves)  
(proposed review of an erroneous Ruling given in  
“ Opinion ” 67)

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

In the present note I re-submit with additional considerations the problem whether the name *Gallinago* or the name *Capella* should be accepted as the generic name for the Common Snipe, a question which I submitted to the Commission in 1952 but on which no decision has as yet been promulgated.



2. The main features of this case were set out in a paper of mine which was published in Triple Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature* (Hemming, *Bull. zool. Nomencl.* 9 : 93—95), and it is necessary here to recapitulate only the following points :—

- (a) In 1916 by the Ruling given in *Opinion* 67 the generic name *Gallinago* Koch, 1816 (type species : *Scolopax gallinago* Linnaeus, 1758) was placed on the *Official List of Generic Names in Zoology*.
- (b) In the process of checking against recent monographs, catalogues, etc., the entries made in the *Official List* in the pre-Lisbon (1935) period, I observed that, whereas in 1916 Hartert in the main portion of his *Vögel pal. Faun.* had used the generic name *Gallinago* Koch for the Common Snipe, he had replaced that name by the name *Capella* Frenzel, 1801 in the supplementary volume published in 1921.
- (c) The nominal genus *Capella* Frenzel, 1801, has as its type species by monotypy the nominal species *Capella coelestis* Frenzel, 1801, which species is subjectively identified by ornithologists with *Scolopax gallinago* Linnaeus, 1758, the type species of *Gallinago* Koch, 1816. The latter generic name is therefore a junior subjective synonym of *Capella* Frenzel, 1801.
- (d) On becoming aware of the substitution by Hartert of the name *Capella* Frenzel, 1801, for the name *Gallinago* Koch, 1816, I made further enquiries as to current usage. This showed that Peters (in vol. 2 of his *Checklist*) has used the name *Capella* Frenzel and that he had been widely followed by later authors. Since my paper of 1952 I have ascertained, however, that several important authors have continued to use the name *Gallinago* Koch, despite the priority of *Capella* Frenzel. I attach as Appendix 1 to this note particulars of recent and comparatively recent usage of the names *Capella* and *Gallinago* respectively which have been gleaned from a search of standard works and from a study of the annual volumes of the *Zoological Record* undertaken by this Office. Though doubtless not complete, the list so given is, I believe, representative in the picture which it gives.
- (e) In 1951/52 I undertook for quite a different purpose a survey of the names used in Brisson's *Ornithologia* of 1760, a work which, considering its early date, its intrinsic importance and the large numbers of well-known names which it contains, has been surprisingly neglected by ornithologists in many respects. This survey disclosed amongst many other things the existence of a generic name *Gallinago* Brisson (type species by absolute tautonymy : *Scolopax gallinago* Linnaeus, 1758). The name *Gallinago* Brisson, 1760, is therefore a senior subjective synonym of *Capella* Frenzel, 1801, and a senior



objective synonym of *Gallinago* Koch, 1816. Moreover, the name *Gallinago* Koch is not merely (as previously thought) a junior subjective synonym of *Capella* Frenzel but is also an objectively invalid name, being a junior homonym of *Gallinago* Brisson.

3. In my paper of 1952 I suggested, after consultation with Colonel Richard Meinertzhagen, at that time Chairman of the Standing Committee of Ornithological Nomenclature established by the Tenth International Ornithological Congress, Uppsala, 1950, that the situation discussed in the preceding paragraph should be resolved by the use by the Commission of its Plenary Powers for the purpose of suppressing the name *Gallinago* Brisson, 1760, thereby validating the name *Capella* Frenzel. I submitted this recommendation because on the evidence then available it seemed to be the one best calculated to promote stability in the nomenclature of the group concerned.

4. In the period following the publication in October 1952 of Triple-Part 1/3 of volume 9 of the *Bulletin of Zoological Nomenclature*, the Part which contained a large number of applications relating to ornithological nomenclature, including the application relating to the present case, communications intimating general support for the action proposed in all these applications were received from thirty-six institutions, groups of ornithologists and individual specialists. In addition, communications specifically concerned with the present problem were received from nine ornithologists, of whom eight were Americans and one was an Australian. Of these specialists six favoured the suppression of *Gallinago* Brisson and the consequent validation of *Capella* Frenzel, while three favoured the retention of the name *Gallinago*.

5. The following are the names of the six American ornithologists who supported the proposal to validate the name *Capella* Frenzel, for which they expressed their "strong approval" and intimated their hope that the Commission would "take favorable action on it":—Josselyn Van Tyne (*Ann Arbor, Michigan*); Robert W. Storer (*Ann Arbor*); Andrew J. Berger (*Ann Arbor*); Olin Sewall Pettingill, Jr. (*Northfield, Minnesota*); Frank A. Pitelka (*Berkeley, California*); John Davis (*Los Angeles, California*).

6. The three ornithologists who objected to the substitution of *Capella* for *Gallinago* on the *Official List* were: Ernst Mayr (then of *New York*); John T. Zimmer (*New York*); D. L. Serventy (*Perth, Western Australia*). All three of these specialists made the point that the name *Gallinago* had been placed on the *Official List* and that it would be wrong in principle to remove it therefrom (in favour of *Capella*), for the utility of the *Official List* would be seriously impaired if names were to be removed from it if later they were found to be

technically defective in some nomenclatorial respect. Mayr pointed out that the change-over from *Gallinago* to *Capella* had not been so complete as had been suggested in my 1952 paper, and in this connection he wrote : " In the *Birds of the Southwest Pacific* and *Birds of the Philippines* I have used the name *Gallinago*, as have other authors working on the Australian, Papuan, Malayan and India region. For instance, it is the name used in Delacour's *Birds of Malaysia* and in his recent publications on Indo-Chinese birds ". Serventy wrote : " It must be confessed that in the *Gallinago* case, the majority of ornithologists followed Gregory Mathews in defying the Commission in this matter and used *Capella*. The Royal Australasian Ornithologists' Union was an exception and Australian publications have almost invariably continued to use *Gallinago* ". As regards the name *Capella* Mayr pointed out that it " was published in an ornithologically worthless publication which has been wisely ignored for 150 years and of which, to my knowledge, only a single copy is extant—that in the Library of Cambridge University ".

7. It is very unfortunate that, when the name *Capella* Frenzel, 1801, was unearthed as a senior subjective synonym of the name *Gallinago* Koch, 1816, the matter was not at once brought to the attention of the Commission, for there would have been the strongest grounds for the use by the Commission of its Plenary Powers for the purpose of promoting stability in the nomenclature of the group of birds concerned, having regard to the fact (1) that the generic name *Gallinago* Koch was extremely well-known and had been in use for well over one hundred years, (2) that this generic name had already been placed on the *Official List of Generic Names in Zoology*, (3) that the name *Capella* Frenzel, 1801, had been totally ignored for upwards of one hundred and twenty years, and (4) that it was published in a work of (as Mayr explains) no ornithological value of which only one copy survives and which therefore has not been seen and will never be seen by any but a very few ornithologists. The failure by ornithologists to bring this matter before the Commission at the time when the name *Capella* Frenzel first came to light has, however, created a difficult situation, for a return to the name *Gallinago* would mean a reversal of much modern practice. On the other hand, the use of *Capella* in place of *Gallinago* in recent decades has not been so unanimous as I had supposed in 1952, and from this point of view the substitution of *Capella* for *Gallinago* would be a hardship for those workers who have throughout continued to use the name *Gallinago* in the belief that this was the correct course, having regard to the fact that the name *Gallinago* had been placed on the *Official List* before the rival claims of *Capella* were advanced. If such a case were to arise today, the rejection of *Gallinago* Koch in favour of the older name *Capella* Frenzel by individual workers without resort to the Commission, would in fact be contrary to the *Règles*, for in 1948 (1950, *Bull. zool. Nomencl.* 4 : 268, Point (c)) the Thirteenth International Congress of Zoology adopted a provision protecting generic names which had



been placed on the *Official List* from attacks of this kind until the matter had been brought before, and decided by, the International Commission.

8. It is essential that the Commission should now take a decision in this matter, for the entry on the *Official List* of the name *Gallinago Koch* must be regularised in one way or another before the *Official List* can be published in book-form. For the reasons explained above it seems certain that some inconvenience will be inevitable, for whatever the decision now taken by the Commission some ornithologists will need to change the generic name which they are currently using for the Common Snipe. When in 1954 the stage was reached for asking the Commission to vote on the present case, I prepared for its consideration a Voting Paper (V.P.(54)78) in which the Members of the Commission were invited to vote on the proposal submitted in 1952, namely that *Gallinago Brisson*, 1760, should be suppressed under the Plenary Powers and that its junior subjective synonym *Capella Frenzel*, 1801, thus validated, should be placed on the *Official List* in place of the objectively invalid name *Gallinago Koch*. From communications received from certain of the Members of the Commission it was evident that, having regard to the fact that this was not a case where the only action possible was a straight choice between two opposing alternatives, some Commissioners had found it difficult to decide how to record their vote. Accordingly, at the close of the Prescribed Voting Period I took the view, as Secretary, that the best course would be to re-submit this case to the Commission for a fresh vote, the Revised Voting Paper so to be issued to be prepared in such a way that instead of being asked to vote affirmatively or negatively on a single proposal Commissioners would have before them alternative proposals of an affirmative character from which they could choose whichever seemed to them best calculated to serve the general interest.

**Alternative Proposals on which it is proposed  
that the Commission now be asked to vote**

9. There are two issues of substance on which it is now proposed that Members of the Commission should be asked to vote. The *first* issue of substance is whether the generic name properly applicable to the Common Snipe shall be *Gallinago* or *Capella*. On this question two alternatives are now submitted for decision, namely *Alternative "A"* (acceptance of *Gallinago*) and *Alternative "B"* (acceptance of *Capella*). The *second* issue of substance is whether, if *Gallinago* is to be accepted, that name shall rank from Brisson, 1760 (as it does at present) or whether it shall be credited to Koch, 1816, the author and date to which it has always been attributed in the literature. This question is submitted because it is clear that some specialists (e.g. Zimmer) are of the opinion not only that the name *Gallinago* should be accepted but also that it should be attributed to the author and date by which it has always been known and not to Brisson, 1760, whose



prior responsibility for this name has only come to light in the course of the last year or so. On this question also two alternatives are now submitted, namely *Alternative "X"* (acceptance of Koch, 1816, as the author and date of the name *Gallinago*) and *Alternative "Y"* (acceptance of Brisson, 1760, as the author and date of the name *Gallinago*). It is particularly hoped that all members of the Commission will vote on the foregoing question and not merely those who favour the acceptance of the name *Gallinago*, for, if the proposal in favour of that name (*Alternative "A"* above) is adopted by a majority of the Commission, it is desired to have on record the views of all Commissioners on the question of the authorship and date to be attributed to it.

10. While the simplified titles given above for the various alternatives now submitted will, it is hoped, be of convenience to the Members of the Commission in deciding how to cast their votes in the present case, I feel that it is desirable also to set out in full the Ruling which would be given by the Commission according to whichever of the alternative Rulings it decides to adopt. These particulars are given in Appendix 2 to the present paper and it is only necessary to note here that the broad effect of the adoption of each of the alternative decisions now submitted for consideration would be as follows :—

- (1) An affirmative vote on *Alternative "A"* (acceptance of the name *Gallinago* as against *Capella Frenzel*), on Part 1 of the annexed Voting Paper, if coupled with an affirmative vote on *Alternative "X"* (acceptance of *Gallinago* as from Koch, 1816) in Part 2 of the annexed Voting Paper, would lead to the adoption of the Ruling given as Draft Ruling No. 1 in Appendix 2 to the present paper.
- (2) An affirmative vote on *Alternative "A"* (acceptance of the name *Gallinago* as against *Capella Frenzel*, 1801) on Part 1 of the annexed Voting Paper, if coupled with an affirmative vote on *Alternative "Y"* (acceptance of *Gallinago* as from Brisson, 1760) in Part 2 of the annexed Voting Paper would lead to the adoption of the Ruling given as Draft Ruling No. 2 in Appendix 2 to the present paper.
- (3) An affirmative vote on *Alternative "B"* (acceptance of *Capella Frenzel*, 1801, as against the name *Gallinago*) on Part 1 of the annexed Voting Paper would lead to the adoption of the Ruling given as Draft Ruling No. 3 in Appendix 2 to the present paper.

#### **A Proposal on Procedure which Members of the Commission are invited to approve**

11. The method of voting by way of a series of alternative affirmative proposals, which has been adopted in the present case, is well adapted

for securing decisions from the Commission when the issue involved is one where a direct vote on a single proposition would not necessarily exhaust the possible courses of action which might be taken. This procedure, however, does not fit in very readily with the procedure prescribed for dealing with cases where the proposal submitted involves the use of the Commission's Plenary Powers. The required Public Notices have been duly given in the present case and no difficulty arises under that head. However, in order to secure a decision under the Plenary Powers procedure, it is now necessary not only that there should be a majority of votes in the Commission in favour of the action proposed, but also that that majority shall consist of not less than two out of every three votes cast (1950, *Bull. zool. Nomencl.* 4 : 51, Point (b)). This creates a procedural problem in the present case which must be faced, for under the foregoing rule a vote by the majority of the Commission could be negatived by a vote of a minority of only just over one-third of the total number of votes cast. Moreover, the fact that some of the alternatives do not involve the use of the Plenary Powers (and therefore can be approved by a simple majority), while others do involve the use of those Powers (and therefore require for their adoption a two-thirds majority) might result in the adoption, on the separate Parts of the Voting Paper now submitted, of decisions which were irreconcilable with one another. Leaving aside the question whether the two-thirds rule for Plenary Powers cases represents the most suitable procedure for new applications, it will, I think, be agreed that it is not necessarily appropriate in a case such as the present which is concerned with the regularisation in one manner or another of an erroneous decision already taken. Although it is desirable that cases of all types should be handled as expeditiously as possible, there is an element of urgency attaching to the correction of former errors which does not normally arise in the case of new applications. For it is particularly important that errors of the past should be corrected as quickly as possible, so that specialists in the groups concerned may be relieved without delay of the uncertainties created by those errors. In cases such as the present which are concerned with correcting former errors in entries made in the *Official List* there is at the present time a further element of special urgency, for all such errors must be regularised by the Commission in one way or another before arrangements can be made for the publication in book-form of the instalments so far placed on the *Official Lists*. The preparations for the publication of this volume are now well advanced and it is of the highest importance that the completion of this task should not be impeded by any failure to provide decisions on outstanding questions. Accordingly I recommend that, in order to ensure the adoption of a definitive decision in the present case, a twofold procedure should be adopted, namely (i) that the Commission should vote first on the nomenclatorial issues involved in the present case, and (ii) that, having done so, it should vote on a procedure designed to ensure that the decisions so taken shall be effectively binding as decisions of the Commission as a body, irrespective of whether, if in



the case of any of the proposals which involve the use of the Plenary Powers there is a majority in favour of the use of those Powers, the majority of votes cast is a two-thirds majority. The Voting Paper now submitted consists therefore of three separate Parts. As already explained (paragraph 10 above), Parts 1 and 2 each deal with alternative decisions on the nomenclatorial issues involved in the present case as between which the Commission is invited to make a choice. Part 3 is concerned with a proposal designed to secure that decisions taken on Parts 1 and 2 shall not be upset by the operation of the technical conditions attaching to the use of the Plenary Powers procedure. In this Part a proposal is submitted that, if a majority of the Members of the Commission vote in favour of a course involving the use of the Plenary Powers either on Part 1 or on Part 2 of the annexed Voting Paper but the majority of votes so cast does not amount to a majority of two out of every three votes cast, this fact shall nevertheless not render ineffective the majority vote taken on the earlier Part or Parts of the Voting Paper. The procedure recommended above is in full conformity with the provisions prescribed by the International Congress of Zoology regarding the procedure to be observed in voting upon applications involving the use of the Plenary Powers, for the two-thirds majority rule prescribed by the Congress will apply to the vote on Part 3 of the Voting Paper. All that in effect the proposal submitted in Part 3 does is to transfer the application of the two-thirds majority rule from the votes on Parts 1 and 2 to the vote on Part 3, thus leaving the questions specified in Parts 1 and 2 to be dealt with by a simple majority if the proposal submitted in Part 3 is approved by at least two votes out of every three cast.

## APPENDIX 1

**An indication of the extent to which during the years 1916 to 1954 authors used the generic names "Capella" and "Gallinago" respectively as the generic name for the Common Snipe**

Neither the supporters of the generic name *Capella* nor those of the generic name *Gallinago* as the name for the Common Snipe have furnished detailed analyses of the relative usage of these names in recent times such as were furnished in the case of the Decapod names *Crangon* Fabricius, 1798, *Crangon* Weber, 1795, and *Crago* Lamarck, 1801, by Dr. L. B. Holthuis (*Leiden*) and Dr. Fenner A. Chace, Jr. (*Washington, D.C.*) (*Opinion* 334). It appeared to me, however, that it would be useful in the present case to lay before the Commission some particulars as to current usage, even though the list so compiled could not claim to do more than give a general indication of the practice of ornithologists in this matter. The following particulars have therefore been compiled in the Office of the Commission, mainly by consulting well-known recent works but partly also by reference to the annual volumes of the *Zoological Record* and from information supplied by ornithologists who have offered comments as to the action



which it is desirable should be taken by the International Commission. The list which has been compiled has not been prepared in the form of a detailed bibliography, for it has been considered that for the present purposes it would be sufficient to record the name of each author, and the date of the work concerned and to give some indication of the nature of that work.

2. Subject to the foregoing reservations the following particulars are submitted of usage during the period since the publication in 1916 of *Opinion 67* (in which the name *Gallinago* Koch, 1816, was placed on the *Official List of Generic Names in Zoology*) up to the present time :—

- (a) *Works in which the generic name “ Capella ” Frenzel, 1801, has been used in place of “ Gallinago ” Koch, 1816*

*American Ornithologists’ Union Checklist, 1931*

Peters, *Checklist of Birds of the World, 1934*

*Handbook of British Birds, 1940, vol. 4*

Gregory Mathews, 1920, *Australian Avian Record* 4 : 131

Jackson, 1926 (Kenya and Uganda)

Belcher, 1930 (Nyasaland)

Bates, 1930 (West Africa)

Friedemann, 1930 (Ethiopia and Kenya)

Wait, 1931 (Ceylon)

Wetmore & Swales, 1931 (Haiti)

Priest, 1934 (Rhodesia)

Taverner, 1934 (Canada)

Roberts, 1940 (South Africa)

Woods, 1943 (Michigan birds)

Moltoni, 1944 (Italian East Africa)

Bond, 1945 (West Indies)

Bailey, 1948 (Alaska)

Bannerman, 1951 (Tropical West Africa)

Glenister, 1951 (Malaya, Singapore and Penang)

Bannerman, 1953 (West and Tropical Africa)

Cave and McDonald, 1955 (Sudan)

Phillips, 1953 (Ceylon)

Salim Ali, 1953 (Travancore and Cochin)

Macleod, 1954 (Key to names of British Birds)

Meinertzhagen, 1954 (Arabia)

(b) *Works in which the generic name "Gallinago" Koch 1816, has been retained*

Royal Australasian Ornithologists' Union

Almost all Australian publications (letter from D. L. Serventy)

Authors working in the Australian, Papuan, Malayan and India Regions (letter from E. Mayr)

Priest, 1929 (Southern Rhodesia)

Mayr, 1945 (Southwest Pacific)

Delacour and Mayr, 1946 (Philippines)

Delacour, 1947 (Malaysia ; also publications by this author on Indo-Chinese birds)

3. It must be emphasised again that the foregoing particulars could no doubt be greatly extended if the literature of the last thirty years were to be carefully examined by ornithologists for this purpose. It is, however, clear that, as stated *in litt.* by Serventy, one of the advocates of the name *Gallinago*, the weight of usage since the time of Gregory Mathews has been on the side of *Capella* rather than on that of *Gallinago*. Against this due regard must, however, be given to the fact that prior to the re-awakening of the name *Capella* some thirty years ago, the name *Gallinago* Koch possessed an undisputed supremacy in the literature, having been used by leading authors for over one hundred years.

4. In judging the particulars of usage given in paragraph 2 above, it must be noted also that those authors who changed over from *Gallinago* Koch, 1816, to *Capella* Frenzel, 1801, did so in the belief that *Capella* was the oldest available generic name subjectively applicable to the Common Snipe and therefore that this was the correct name to be used for the genus containing this species. The authors concerned were not aware that the oldest available name objectively applicable to the Common Snipe was *Gallinago* Brisson, 1760, a name having more than forty years' priority over *Capella* Frenzel. Most of the authors cited in section (a) of paragraph 2 above are well known for their orthodoxy in matters of nomenclature and it cannot be doubted that, if they had been aware of the existence of the name *Gallinago* Brisson, 1760, they would not have taken up the name *Capella* Frenzel but would have continued to use the name *Gallinago*, attributing it, however, to Brisson, 1760, instead of to Koch, 1816. But it was not only those authors who substituted the name *Capella* for that of *Gallinago* who thought that in so doing they were following the strict letter of the law, for some of those who continued to use the name *Gallinago* Koch believed that thereby they also were acting in strict conformity with the *Règles*, having regard to the fact that the name *Gallinago* Koch had been placed on the

*Official List of Generic Names in Zoology.* For the period since the Paris Congress of 1948 this belief was well-founded, for that Congress laid it down that a name which has been placed on the *Official List*, even if later found to be technically defective, is not to be discarded in favour of some other name without the prior consent of the Commission.

## APPENDIX 2

### Drafts of Alternative Rulings submitted in relation to the generic names “*Gallinago*” and “*Capella*”

#### Draft Ruling No. 1

(validation of the generic name “*Gallinago*” as from Koch, 1816 (author and date customarily attributed to this name) and confirmation of the entry of this name on the “*Official List*” made in 1916)

(1) Under the Plenary Powers (a) *Gallinago* Brisson, 1760, to be suppressed for the purposes both of the Law of Priority and of the Law of Homonymy and (b) *Capella* Frenzel, 1801, to be suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) The entry on the *Official List of Generic Names in Zoology* of the name *Gallinago* Koch, 1816 (gender : feminine) (type species, by absolute tautonymy : *Scolopax gallinago* Linnaeus, 1758) made by the Ruling given in *Opinion* 67 to be confirmed.

(3) The specific name *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago* (specific name of type species of *Gallinago* Koch, 1816) to be placed on the *Official List of Specific Names in Zoology*.

(4) The generic names specified in (1) above as there suppressed under the Plenary Powers, together with *Capella* Keyserling & Blasius, 1840 (a junior homonym of *Capella* Frenzel, 1801), to be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

(5) The specific name *media* Koch, 1816, as published in the combination *Gallinago media* (a junior objective synonym of *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*, to be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

#### Draft Ruling No. 2

(acceptance of the name “*Gallinago*” Brisson, 1760, and substitution on the “*Official List*” of that name in place of the name “*Gallinago*” Koch, 1816)

(1) The following entry to be inserted in the *Official List of Generic Names in Zoology* in place of the entry thereon of the name *Gallinago* Koch, 1816, made by the Ruling given in *Opinion* 67 : *Gallinago*



Brisson, 1760 (gender : feminine) (type species, by absolute tautonomy : *Scolopax gallinago* Linnaeus, 1758).

(2) The specific name *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago* (specific name of type species of *Gallinago* Brisson, 1760) to be placed on the *Official List of Specific Names in Zoology*.

(3) The names *Gallinago* Koch, 1816 (a junior homonym, and a junior objective synonym, of *Gallinago* Brisson, 1760) and *Capella* Keyserling Blasius, 1840 (a junior homonym of *Capella* Frenzel, 1801) to be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

(4) The name *media* Koch, 1816, as published in the combination *Gallinago media* (a junior objective synonym of *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*) to be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

### Draft Ruling No. 3

(validation of the generic name “*Capella*” Frenzel, 1801, and substitution of that name for “*Gallinago*” Koch, 1816, on the “*Official List of Generic Names in Zoology*”)

(1) Under the Plenary Powers, the generic name *Gallinago* Brisson, 1760, to be suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) The entry on the *Official List of Generic Names in Zoology* of the name *Gallinago* Koch, 1816, to be replaced by the following entry : *Capella* Frenzel, 1801 (gender : feminine) (type species by monotypy : *Capella coelestis* Frenzel, 1801 (see Note below)).

(3) The specific name *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago* to be placed on the *Official List of Specific Names in Zoology*.

(4) The generic name (a) *Gallinago* Brisson, 1760, as suppressed under the Plenary Powers under (1) above, and (b) *Gallinago* Koch, 1816 (a junior homonym of *Gallinago* Brisson, 1760), and (c) *Capella* Keyserling & Blasius, 1840 (a junior homonym of *Capella* Frenzel 1801) to be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

(5) The name *media* Koch, 1816, as published in the combination *Gallinago media* (a junior objective synonym of *gallinago* Linnaeus,

1758, as published in the combination *Scolopax gallinago*), to be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

*NOTE (to all three Draft Rulings)* : I have not yet been able to obtain a photostat copy of the portion of Frenzel's book containing his generic name *Capella*, but I hope to do so at an early date<sup>8</sup>. It seems likely that, just as Koch later gave the substitute name *Gallinago media* to *Scolopax gallinago* Linnaeus, so also earlier Frenzel gave the substitute name *Capella coelestis* to that species. If this proves to be the case, the name *coelestis* Frenzel, 1801 (like *media* Koch, 1816) is a junior objective synonym of *gallinago* Linnaeus, 1758, as published in the combination *Scolopax gallinago*, and the invalid name *coelestis* Frenzel, 1801, should now be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*, as well as *media* Koch, 1816.

### III.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**14. Issue of Voting Paper V.P.(O.M.)(55)36** : On 27th October 1955 a Revised Voting Paper numbered Voting Paper V.P.(O.M.)(55)36 was issued to the Members of the Commission in regard to the present case. This Voting Paper was divided into three Parts on which the Members of the Commission were invited to vote separately. Parts 1 and 2 were each concerned directly with the subject matter of the present case. On each of these Parts the Members of the Commission were asked to vote affirmatively on one or other of alternative affirmative courses. Part 3 was concerned with a question of procedure on which the Members of the Commission were invited to vote either affirmatively or negatively on the proposition submitted. Details of the proposals so submitted in the several Parts of the foregoing Voting Paper are given in paragraphs 16, 17 and 18 below, in which paragraphs are given also particulars of the votes cast thereon by the Members

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<sup>8</sup> For later developments see paragraph 21 of, and the Appendix to, the present *Direction*.

of the Commission. The following explanatory note referring to all three Parts appeared at the end of the Voting Paper :—

**IMPORTANT NOTE :—**This Voting Paper is divided into Three Parts, on each of which each Member of the Commission is invited to record his vote. For an explanation of the reason for the adoption of this procedure see paragraphs 9, 10 and 11 of the memorandum bearing the same Registered Number as the present Voting Paper submitted by the Secretary simultaneously therewith.<sup>9</sup>

**15. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 27th November 1955.

**16. Particulars of the question voted upon in Part 1 of Voting Paper V.P.(O.M)(55)36 and of the votes cast thereon :** In Part I of Voting Paper V.P.(O.M)(55)36 the Members of the Commission were invited to vote either “for Alternative ‘A’ (acceptance of name *Gallinago*) or for Alternative ‘B’ (acceptance of the name *Capella*)”. At the close of the Prescribed Voting Period the state of the voting on Part 1 of Voting Paper V.P.(O.M)(55)36 was as follows :—

(a) *In favour of Alternative “A” (acceptance of “Gallinago”), twenty-two (22) votes :*

Riley ; Holthuis ; Bonnet ; Hering ; Mertens ; Stoll ; Vokes ; Boschma ; Bodenheimer ; Mayr ; Esaki ; Dymond ; Key ; Bradley (J.C.) ; do Amaral ; Hankó ; Cabrera ; Kühnelt ; Hemming ; Tortonese ; Sylvester-Bradley ; Lemche ;

(b) *In favour of Alternative “B” (acceptance of “Capella”), three (3) votes :*

Jaczewski ; Prantl ; Miller ;

(c) *Voting Papers not returned :*

None.

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<sup>9</sup> The memorandum here referred to has been reproduced in paragraph 13 of the present *Direction*.



**17. Particulars of the question voted upon in Part 2 of Voting Paper V.P.(O.M.)(55)36 and of the votes cast thereon :** In Part 2 of Voting Paper V.P.(O.M.)(55)36 the Members of the Commission were invited to vote either “ for Alternative ‘ X ’ (acceptance of *Gallinago* as from Koch, 1816) or for Alternative ‘ Y ’ (acceptance of *Gallinago* as from Brisson, 1760) ”. At the close of the Prescribed Voting Period the state of the Voting on Part 2 of Voting Paper V.P.(O.M.)(55)36 was as follows :—

(a) *In favour of Alternative “ X ” (acceptance of “ Gallinago ” as from Koch, 1816), four (4) votes :*

Hering ; Esaki ; Key ; Miller ;

(b) *In favour of Alternative “ Y ” (acceptance of “ Gallinago ” as from Brisson, 1760), twenty-one (21) votes :*

Riley ; Holthuis ; Bonnet ; Mertens ; Stoll ; Vokes ; Boschma ; Bodenheimer ; Mayr ; Dymond ; Bradley (J.C.) ; do Amaral ; Hankó ; Cabrera ; Jaczewski ; Kühnelt ; Hemming ; Tortonese ; Prantl ; Sylvester-Bradley ; Lemche ;

(c) *Voting Papers not returned :*

None.

**18. Particulars of the question voted upon in Part 3 of Voting Paper V.P.(O.M.)(55)36 and of the votes cast thereon :** In Part 3 of Voting Paper V.P.(O.M.)(55)36 the Members of the Commission were invited to vote either for, or against, “ the proposal set out in paragraph 11 of the paper submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in paragraph 13 of the present *Direction*], that for the reasons there explained, if in the vote either on Part 1 or on Part 2 of the present Voting Paper a majority of votes is cast in favour of the use of the Plenary Powers but that majority is not a two-thirds majority, this fact

shall nevertheless not render ineffective the majority vote or votes so taken on the earlier Parts of the present Voting Paper ”. At the close of the Prescribed Voting Period the state of the voting on Part 3 of Voting Paper V.P.(O.M.)(55)36 was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-one (21) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Bonnet ; Hering ; Mertens ; Stoll ; Vokes ;  
Bodenheimer ; Mayr ; Esaki ; Dymond ; do Amaral ;  
Hankó ; Cabrera ; Jaczewski ; Kühnelt ; Hemming ;  
Tortonese ; Prantl ; Sylvester-Bradley ; Miller ;  
Lemche ;

- (b) *Negative Votes, four (4) :*

Holthuis ; Boschma ; Key ; Bradley (J.C.) ;

- (c) *Voting Papers not returned :*

None.

**19. Deferment by the Secretary in November 1955 of the Declaration of the Result of the Vote on Voting Paper V.P.(O.M.)(55)36 :** On 28th November 1955, the day following the close of the Prescribed Voting Period, Mr. Hemming, as Secretary, placed a Minute on the Commission's File Z.N.(S.) 575, directing that the Declaration of the Result of the Vote on Voting Paper V.P.(O.M.)(55)36 be deferred until such time as a photostat copy of the relevant portion of Frenzel's *Beschreibung* of 1801 had been obtained and until in consequence it was possible to determine whether the name for the Snipe published in that work was an available name or whether it was invalid and in consequence required under the terms of the vote taken by the Commission on the foregoing Voting Paper to be placed on the appropriate *Official Index of Rejected and Invalid Names*.



**20. Addition of the generic name “ Capella ” Frenzel, 1801, to the “ Official Index of Rejected and Invalid Generic Names in Zoology ” :** On 8th February 1956 Mr. Hemming, as Secretary, placed on the Commission's File Z.N.(S.) 575 the following Minute recording the receipt of a photostat copy of the relevant portion of Frenzel's *Beschreibung*, directing that in accordance with the vote taken on Voting Paper V.P.(O.M.)(55)36 the objectively invalid name *Capella* Frenzel, 1801, be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*, and confirming the decision that the generic name *Capella* Keyserling & Blasius, 1840, be entered on the foregoing *Official Index*, subject to an amendment of the explanatory note to be attached to the said entry :—

**Addition of the name “ Capella ” Frenzel, 1801, to the “ Official Index of Rejected and Invalid Generic Names in Zoology ”**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

At the time of the submission of the proposals in regard to the *Capella/Gallinago* problem, laid before the International Commission with Voting Paper V.P.(O.M.)(55)36, I reported that I was attempting to obtain a photostat copy of the portion of Frenzel's *Beschreibung der Vögel und ihrer Eier in der Gegend von Wittenberg* of 1801 in which the generic name *Capella* was published in order to make sure that *Capella coelestis* was in fact an available name and recommended that, if this proved not to be the case, an addition should be made to the appropriate *Official Index of Rejected and Invalid Names*. This proposal, together with the other proposals then submitted, was approved by the Commission in its vote on the foregoing Voting Paper.

2. At the time of the submission of the above proposal I had been informed by Dr. Ernst Mayr that, so far as he knew, there was only one copy extant of Frenzel's book and that this copy was at Cambridge. After some enquiry I ascertained that the copy in question was in the Balfour Library in the Department of Zoology at Cambridge University. Through the kindness of the Librarian of that Institution in depositing the copy of Frenzel's book at the University Library in order that it might be photographed, I have now obtained photostats of the relevant pages (pp. 58—59). The grateful thanks of the Commission are due to the Librarians of both these Institutions for the prompt and willing help rendered by them in this matter.

3. The information required is found to be on page 58 of Frenzel's book where his account of the Snipe starts, page 59 containing only a continuation of the description of that bird. Now that at last a copy of the relevant portion of Frenzel's *Beschreibung* is available for study the situation is found to be quite different from that hitherto supposed. The chief points to be noted are :—

- (a) Contrary to the statements in modern works Frenzel did not introduce for the Snipe a new generic name consisting of the word *Capella* and he did not call that bird by the name *Capella coelestis*.
- (b) Frenzel placed the Snipe in the same genus—*Scolopax*—as that in which it had been placed by Linnaeus in 1758 when it was given the name *Scolopax gallinago*.
- (c) Frenzel did use for the Snipe the new specific name *coelestis*. In doing so, he gave no explanation of why he considered that a new name was needed for this species or why he considered the Linnean name *gallinago* unsuitable. Indeed, he made no reference whatever to Linnaeus.
- (d) In the early part of the discussion of this species Frenzel observed that the Snipe was the bird which sportsmen called the "Becasse" and that by some writers it was known as *Capella coelestis*. His actual words were : "Es ist die Schnepfe, welche die Jäger eigentlich 'Becasse' und einige Schriftsteiler *Capella coelestis* nennen". This is the only mention by Frenzel of the word "*Capella*".

4. Frenzel's statement that the name or expression "*Capella coelestis*" had been applied to the Snipe by some writers prompted me to undertake a further investigation of the literature with the object of determining, if possible, who were the authors referred to. So far as concerns the use of this expression as a scientific zoological name in the period from the starting point of zoology (1st January 1758) to the appearance in 1801 of Frenzel's *Beschreibung*, these investigations were completely negative in their results. These investigations did, however, throw some very interesting light on the origin and history of the expression "*Capella coelestis*" as a vernacular (Latin) denomination applied to the Snipe in the XVIIIth century and either to that bird or to some other marsh bird both in the Middle Ages and, in a Greek equivalent, as far back as classical times. Though only of indirect concern to the question of the scientific name to be used for the Snipe, the information so collected is of such antiquarian and historical interest that it should, in my opinion, be placed on permanent record. I have accordingly summarised this information in a separate note which I hereby direct be annexed as an Appendix to the Commission's *Direction* on this case. I am happy to take this opportunity of expressing the grateful thanks of the International



Commission to the two eminent scholars who have taken part in this interesting and unusual investigation, namely: Professor the Rev. L. W. Grensted, M.A., D.D., the Commission's Consulting Classical Adviser, and Professor Charles Singer, M.A., D.Litt., M.D., D.Sc., F.R.C.P. (London), Professor Emeritus of the History of Science in the University of London.

5. As regards the so-called generic name *Capella* Frenzel, 1801, the information provided by the photostat supplied by the Cambridge authorities which has been summarised in paragraph 3 above shows that Frenzel did not publish the above name as a new name nor did he adopt this name from some manuscript source. All that he did was to cite a binomen containing it—the binomen *Capella coelestis*—as a name or term which had been used by some writers to denote the Snipe. He did not suggest even that the writers to whom he was referring were binominal writers of works published subsequent to the appearance in 1758 of the Tenth Edition of the *Systema Naturae* and the investigations since undertaken (paragraph 4 above) confirm the view expressed in modern ornithological works that Frenzel was the first author subsequent to the starting point of zoological nomenclature to include the term “*Capella*” in a work on ornithology. Thus, on the most favourable view of the status of the term *Capella*, that name, if it can be recognised as ranking as a name, could not be rated higher than a manuscript name published by Frenzel in synonymy without an independent description or indication of its own. On the less favourable of the two possible views as to its status—and the view which is almost certainly the correct view—the term “*Capella*” was not used by any binominal author even as a manuscript scientific name and that it owes its origin entirely to usages as an expression to denote the Snipe by authors prior to the starting point of zoological nomenclature, i.e. prior to the year 1758. In this connection we have to take particular note that the Fourteenth International Congress of Zoology, Copenhagen, 1953, decided that a name published in a synonymy and without an independent description, shall, as from a date to be specified, possess no status of availability under the *Règles* (1953, *Copenhagen Decisions zool. Nomencl.* : 63, *Decision* 115). The Congress decided also that none of the decisions on nomenclature taken by it should come into force until the first day of January of the year following that in which the revised text of the *Règles* was promulgated (*ibid.* : 103, *Decision* 196) but that in its day-to-day work the International Commission should guide itself by the decisions taken by that Congress (*ibid.* : 103, *Decision* 199). In these circumstances the Commission is already bound to apply *Decision* 115 where cases of the type covered thereby come up for decision. Thus, even on the most favourable of the possible views which can be taken as to the status of the term *Capella* as published by Frenzel in 1801 (namely, that it is a manuscript generic name rejected by Frenzel and published by him in a synonymy without an independent description) the generic

name *Capella* Frenzel, 1801, would be invalid under *Decision* 115 of the Copenhagen Congress. Accordingly, as Secretary to the International Commission, I hereby direct that, in accordance with the General Directive relating to the recording of objectively invalid names on the appropriate *Official Indexes of Rejected and Invalid Names in Zoology* issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, and in compliance also with the decision taken by the Commission provisionally in its vote on Voting Paper V.P.(O.M.)(55)36 in anticipation of the possibility of its later being found that the name *Capella* Frenzel, 1801, was invalid, the foregoing name, being a name published in synonymy and without an independent description, be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* in the Ruling to be given in the *Direction* embodying the decision taken by the Commission in its vote on the Voting Paper referred to above.

6. The rejection of *Capella* Frenzel, 1801, as a name possessing no status of availability makes it necessary to re-examine the position of the generic name *Capella* Keyserling & Blasius, 1840, a name which by its vote on the Voting Paper specified above the Commission directed should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* as being a junior homonym of *Capella* Frenzel, 1801. Now that Frenzel's *Capella* is seen to possess no status of availability the name *Capella* Keyserling & Blasius, 1840, is no longer invalid as being a junior homonym of Frenzel's name and, other things being equal, would become an available name nomenclatorially even though it might not be required for taxonomic purposes. In fact, however, the name *Capella* Keyserling & Blasius is invalid for quite a different reason, for it is a junior objective synonym of *Rupicapra* Blainville, 1816 (*Bull. Soc. Sci. philomat.*, Paris **1816** : 75), both genera having *Capra rupicapra* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) **1** : 68) as type species. Accordingly, the name *Capella* Keyserling & Blasius, 1840, being an objectively invalid name, remains eligible for admission to the *Official Index of Rejected and Invalid Generic Names in Zoology* and there is therefore no call to modify the decision taken on Voting Paper V.P.(O.M.)(55)36 that it be inscribed on the foregoing *Index*. It will be necessary, however, to revise the note of explanation to be added to this entry, so that instead of stating that this name is a junior homonym of *Capella* Frenzel, 1801, it shall state that it is a junior objective synonym of *Rupicapra* Blainville, 1816. As Secretary, I hereby direct that this change be made.

**21. Declaration of the Result of Vote :** On 8th February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Votes taken on Voting Paper V.P.(O.M.)(55)36, signed a Certificate that the Votes cast were as set out in paragraphs 16, 17 and 18 above and declaring



(i) that as regards Part I of the foregoing Voting Paper, the proposal there styled "Alternative 'A' (acceptance of the name *Gallinago*)" had been duly adopted, that (ii) as regards Part 2 of the said Voting Paper, the proposal there styled "Alternative 'Y' (acceptance of *Gallinago* as from Brisson, 1760)" had been similarly adopted, (iii) that the proposal submitted in Part 3 of the said Voting Paper had been likewise adopted, (iv) that the name *Capella* Frenzel, 1801, had been duly placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*, (v) that the decisions so taken were the decisions of the Committee in the matters aforesaid but (vi), having regard to the fact that neither the decision taken on Part 1, nor the decision taken on Part 2 of the foregoing Voting Paper nor that relating to the name *Capella* Frenzel involved the use of the Commission's Plenary Powers, no occasion arose for giving effect to the decision taken in Part 3 of the said Voting Paper, subject to the clarifications specified in the Minute executed by the Secretary on 8th February 1956 (reproduced in paragraph 20 of the present *Direction*).

**22. Preparation of the Ruling given in the present "Direction" :** On 8th February 1956 Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in full accord with the decision taken by the International Commission in its Votes on the several portions of Voting Paper V.P.(O.M.)(55)36.

**23. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Capella* Frenzel, 1801, *Beschr. Vögel und Eier Wittenberg* : 56

*Capella* Keyserling & Blasius, 1840, *Wirbelth. Europas* 1 : 9

*Gallinago* Koch, 1816, *Syst. baier. Zool.* 1 : 312

*gallinago*, *Scolopax*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) 1 : 147

*media*, *Gallinago* Koch, 1816, *Syst. baier. Zool.* 1 : 314

**24. Family-Group Names :** No family-group-name problem arises in connection with the generic names dealt with in the present *Direction*.

25. At the time of the submission of the present application the name applicable to the second portion of a binomen was "trivial name". This was altered to "specific name" by the Fourteenth International Congress of Zoology, Copenhagen, 1953, which at the same time made corresponding changes in the titles of the *Official List* and *Official Index* of names of this category. These changes in terminology have been incorporated in the Ruling given in the present *Direction*.

26. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

27. The present *Direction* shall be known as *Direction* Thirty-Nine (39) of the International Commission on Zoological Nomenclature.

DONE in London, this Eighth day of February, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING



## APPENDIX

### ON THE USE OF THE EXPRESSION “ CAPELLA COELESTIS ” TO DENOTE THE SNIPE

by

FRANCIS HEMMING, C.M.G., C.B.E.

*Secretary to the International Commission on Zoological  
Nomenclature*





On the use of the expression “*Capella coelestis*” to denote  
the Snipe

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on  
Zoological Nomenclature*)

(1 plate)

The object of the present note is to place on record certain information which has been collected regarding the origin of the use of the Latin expression “*Capella coelestis*” to denote the Snipe.

2. By way of introduction it is necessary to recall that for a number of years past an attempt has been made to replace as the generic name for the Snipe the name *Gallinago* Koch, 1816 by the name *Capella* Frenzel, 1801, on the ground that the latter had priority over the former. In an application (Z.N.(S.) 575) which I recently submitted to the Commission in connection with the preparations for the publication of the *Official List of Generic Names in Zoology* in book-form, I recommended that the entry thereon of the name *Gallinago* Koch, 1816, should be removed and that the name *Gallinago* Brisson, 1760, which was undoubtedly the oldest available generic name for the Snipe should be entered on the *Official List* in place of the name *Gallinago* Koch, 1816, which, whatever might be its subjective relationship to the name *Capella* Frenzel, 1801, was invalid as a junior homonym of *Gallinago* Brisson, 1760. This application involved, incidentally, consideration being given to the name *Capella* Frenzel, 1801, and to the binomen *Capella coelestis* which Frenzel was reputed to have published for the Snipe. The book by Frenzel in which these names were reputed to have been published is entitled *Beschreibung der Vögel und ihrer Eier in der Gegend von Wittenberg*. This little work, of which the original (and only) edition was no doubt very small is excessively scarce but ultimately with the assistance of Professor Ernst Mayr I ascertained that there was a copy in the Balfour Library of the Department of Zoology at Cambridge University. The Librarian

of that Institution very kindly made available his Library's copy of Frenzel's book to the Librarian of the University Library who most obligingly had indicated his willingness to arrange for photographs to be made of the relevant pages. Very shortly after this the much desired photographs were received in the Office of the Commission. The warmest thanks of the Commission are due to the great assistance rendered by the Librarians of these Institutions. Examination of the photographs received at once showed that of the pages concerned the page which contained the information of which I was in search was page 58. A facsimile reproduction of this page is given in the plate annexed to the present paper.

3. The receipt of the photograph of page 58 of Frenzel's book made it possible at last to determine what in fact was the action in this matter taken by Frenzel in 1801. This proved to be totally different from that which had been attributed to him in all ornithological works in which his *Beschreibung* had found a notice. Frenzel, we now see, did apply the specific name *coelestis* to the Snipe but he did not introduce a new generic name consisting of the "*Capella*", still less did he use a generic name consisting of this word as the generic name for this bird. On the contrary he placed the Snipe in the genus *Scolopax* as *Scolopax coelestis*, thus assigning it to the same genus as did Linnaeus when forty-three years earlier he gave it the name *Scolopax gallinago* in the Tenth Edition of the *Systema Naturae* of 1758. The word "*Capella*" occurs only once in Frenzel's book, being used as a vernacular (Latin) name for the Snipe and cited as a name comparable with the vernacular (German) name "*Becasse*", which, as Frenzel explained, was the name applied to it by sportsmen ("*die Jäger*"). The sentence in question reads as follows: "*Es ist der Schnepfe, welche die Jäger eigentlich 'Becasse' und einige Schriftsteiler Capella coelestis nennen*".

4. The particulars given above dispose completely of the claims which have been advanced by which Frenzel has been credited with having introduced the generic name *Capella* in his little book of 1801 and with having used this name for the Snipe. This discovery, interesting as it is, has, however, been robbed of the practical significance which it would otherwise have possessed by the other discovery made in this case, namely that Brisson



in 1760 established the nominal genus *Gallinago* for the Snipe and therefore that, even if there had been such a generic name as *Capella* Frenzel, 1801, that name would not have been required, as it would have been a junior subjective synonym of *Gallinago* Brisson, 1760. Nevertheless, it is very satisfactory that the reputed generic name *Capella* Frenzel, 1801, should have been shown up in its true colours as a mere phantom engendered of careless copying.

5. While Frenzel's book is now seen to have contained no new generic name consisting of the word "*Capella*", a subject which proves to be of great antiquarian and historical interest is opened up by Frenzel's statement that the Latin expression "*Capella coelestis*" had been used for the Snipe by several writers. This tantalising observation prompted me to undertake an investigation which, before it had run its course, was to give rise to the most surprising discoveries and was to show that the expression "*Capella coelestis*" applied to the Snipe by Frenzel—or an equivalent Greek expression—was one of the greatest antiquity.

6. As a start of the proposed investigation, I made a search in all likely places in the literature of ornithology in the period from 1758 to 1801 for the purpose of making sure that the binomen *Capella coelestis* or at least the generic name *Capella* had not been used by some obscure author as scientific names for the Snipe. In view of the extent to which the literature of this period had already been combed through by ornithologists, it was no matter for surprise that I was unable to find a trace of any such usage in the period subsequent to the publication in 1758 of the Tenth Edition of the *Systema Naturae* of Linnaeus and prior to the publication of Frenzel's *Beschreibung* in 1801. Concurrently with the above investigation I attempted also to ascertain whether during the same period either of the foregoing expressions had been applied to the Snipe not as scientific zoological names but as vernacular (Latin) designations. This search also proved entirely fruitless. It was just when I was on the point of abandoning the search that light was thrown on this subject from a most unexpected source. For, although no one subsequent to Linnaeus could be found to have used the elusive expression "*Capella coelestis*", it suddenly came to light that in

1758 this expression had been applied to the Snipe by no less a writer than Linnaeus himself (*Syst. Nat.* (ed. 10) 1 : 147). Linnaeus then gave the name *Scolopax gallinago* to the Snipe and, after describing this species, citing some bibliographical references and indicating its distribution, added a brief comment in which he applied the expression "*Capella coelestis*" to this species. Linnaeus's comment was as follows :—

*Haec Capella coelestis cujus mas tam alte celerrimeque  
volitat, ut audiri, non vero oculis attingi possit.*

7. Other works of Linnaeus were examined after the astonishing discovery described above but these threw no new light on this subject. In the Twelfth Edition of the *Systema Naturae* published in 1766 (*Syst. Nat.* (ed. 12) 1(1) : 244) the comment quoted above was taken over from the Tenth Edition, though in a slightly amended form. It read as follows : "*haec Capella coelestis, cujus mas tam alte celerrimeque volitat cadendo, ut audiri, vix vero oculis attingi possit, dum femina sedit humi*".

8. On making the surprising discovery described in paragraph 6 above, I at once consulted Professor L. W. Grensted, Consulting Classical Adviser to the International Commission, who on 29th March 1956 replied as follows :—

An intriguing problem—even after the primary question is settled. I think that the expression "*Capella coelestis*" was used by some author before Linnaeus and without a definitely binominal intention. The sentence you quote from Linnaeus i.e. the sentence quoted in paragraph 4 above] can only mean :—

“ This [is] *Capella coelestis*, whose male flies so high and so swiftly that it can be heard but not reached by the eyes ”.

In other words Linnaeus is saying (presumably as against somebody else) that what some earlier writers have called *Capella coelestis*—the Heavenly Goat—is the Snipe and not some other bird, probably the Woodcock.

The point would be that the Cock Snipe, when “ roding ”, does go up to a great height (up to 400 ft. according to the books), while the Woodcock flies quite low—at tree-top height.



Is there a connection with the star called “Capella”—also the Heavenly Goat? Some fanciful writer may easily have compared the roding of the Woodcock or the Snipe with bleating and linked up the bird with the star?

9. In a further letter (dated 9th April 1956) Professor Grensted supplemented his earlier report as follows :—

I did a little search round in our Oriel Library yesterday and found very little to help. The big Ducange *Glossarium* has nothing relevant. And the only thing I found in the early English books is that in Willughby's *Ornithology*, page 228, the “Lapwing” or Green Plover is called *Capella sive Vanellus*. This book was edited or revised by John Ray, and is dated 1676.

In mediaeval Latin “capella” seems to be entirely used for a chapel. It is derived from a very late Latin “cappella” (from “cappa”, a cloak—originally the cloak cut in half by St. Martin of Tours). The classical meaning, a goat (more often “capra”), survived in the star “capella”. How Willughby came to use it for a plover (probably from the star in some way) is quite obscure.

10. At this point I consulted Professor Charles Singer, Professor Emeritus of the History of Science in the University of London, who, if anyone, I knew would be able to throw some light upon the mediaeval usage of the word “capella”. The following is the interesting letter (dated 11th April 1956) received from Professor Singer in reply to this enquiry :—

I cannot answer your question or explain “capella” but I can connect, from classical sources, the word “capella” with a goat, a bird, and the constellation “Capella”. This association may, at least, explain the term *coelestis*.

Aristotle's *Historia Animalium*, 593b23 mentions a marsh bird  $\alpha\lambda\acute{\iota}\xi$  (genitive  $\alpha\lambda\gamma\acute{o}\varsigma$ ) which D'Arcy Thompson conjecturally translates “horned grebe”. The term “goat like”,  $\alpha\lambda\gamma$ -, is applied to other birds, e.g.  $\alpha\lambda\gamma\iota\theta\omicron\varsigma$  in 609a31 and 616b10.

The early Greco-Latin and Latino-Greek glossaries before the 12th century have been collected and indexed. They yield an equation  $\alpha\lambda\acute{\iota}\xi$  = “capra” = “capella” and also the equation “Capricornus” =  $\alpha\lambda\gamma\omicron\kappa\acute{\epsilon}\rho\omega\varsigma$  = “signum in coelo”. The star in Auriga that we name “Capella” is already so named by Pliny in *Historia naturalis*.

Thus the classical association seems there, right enough, though its meaning is beyond me. Could the note of a snipe be compared to any noise made by a goat?



11. The following is a copy of a letter (dated 14th April 1956) from Professor Grensted, to whom I had forwarded a copy of Professor Singer's letter :—

Queerer and queerer—and also nearer. Charles Singer's letter is useful and revealing. I ought to have thought of looking at the Greek. Not only is there  $\alpha\lambda\gamma$  = "capella" (both as goat and as some sort of bird) but  $\alpha\lambda\gamma \text{ οὐράνιος}$  (= "capella coelestis") occurs more than once in a proverbial form in the Greek comic poets. "The heavenly goat brings wealth". What is wanted next is Maass on the Scholiasts on Aratus (the Greek astronomer-poet, who uses  $\alpha\lambda\gamma$  of the star known, after him, as "Capella": see line 170 of his poem) and any evidence of the current astronomers or astrologers Linnaeus may have read. It will probably turn out, when we get at it, that some late mediaeval or sixteenth century writer makes the link—quite possibly with a knowledge of this Greek proverbial phrase—between the bird and the star, and gives the Latin form of the Greek. It might well have been in Pliny, but apparently isn't.

12. Further light was thrown on this matter by Professor Grensted in the following letter dated 19th June 1956 :—

*Capella coelestis*: I made one more effort when I was recently in Oxford and I got out all the major works of Aldrovandus—which Linnaeus certainly knew. There is nothing directly relevant, and the one reference to *Capella* is a queer one under the heading "Stymphalides Aves". It reads: "Hinc author [sic] obscurus, qui de natura rerum scripsit, Vanellum avem vulgo dictam, seu Capellam Aristotelis, Stymphalidem Plinii esse arbitratus est". ("Hence an obscure author who wrote 'On the Nature of Things' thought that the bird commonly called Vanellus, or the Capella of Aristotle, is the Stymphalis of Pliny".) This of course merely links *Vanellus*, *Capella* and  $\alpha\lambda\gamma$  with some marsh bird, but it is interesting as showing that "Capella" and not the usual "*Capra*" was used in some mediaeval version of Aristotle. But I got no further there. The reference to Aldrovandus is 1590, *Ornithologia*, Lib. X: 622. (The most curious thing about the passage quoted above is that Aldrovandus should have written "author" for the ordinary "auctor".)

13. It occurred to me on receiving the foregoing letter that it might be possible to obtain some further light on this subject by ascertaining whether Linnaeus had any astronomical or astrological works in his library. There is no separate catalogue of that library which for catalogue—though not for other—purposes has been incorporated in the general library of the Linnean Society of London. It is easy, however, to ascertain

Heidelerche, *Alauda arborea*. Die Farbe ist der übrigen ziemlich gleich, auch hat sie die Art, wo Gefahr zu befürchten, sich niederzudrücken; nur der Kopf ist mehr weißlich. Sie fliegt im Fluge haufenweise, und läßt sich auf Bäumen nieder. Das Ey gleicht den übrigen, jedoch ist es etwas weißer, und weniger punktiert.

Beerschneepfe, Himmelsziege, *Scelopax coelestis*, eine bekannte Art Schneepfe, die von ihren Tönen, die wie das Meckern der Ziegen klingen, den Namen erhalten hat. Wenn dieser Vogel das Meckern hervorbringen will, so erhebt er sich jederzeit sehr hoch in die Luft, und macht alsdann einen Bogen unterwärts nach der rechten Seite, um mit seinem rechten Flügel die nachahmenden Töne hervorzubringen. Dieses wiederholt er so lange, als er Gefahr zu befürchten hat; dann schießt er in einem Fluge sehr schnell zu seinem Neste. Es ist folglich kein Gesang des Vogels, oder Töne der Kehle, wie bey andern Vögeln. Der Kiebitz bringt auch eigene Töne mit seinen Flügeln hervor, sobald man sich dessen Heuze und Herde nähert.

Es ist die Schneepfe, welche die Jäger eigentlich Becasse und einige Schriftsteller *Capella coelestis* nennen. Sie lebt an den Sümpfen einsam mit ihrem Weibchen, und äußerst selten wird man auch an großen Seen mehrere finden.

Der Vogel hat die Größe eines halbwüchsigen Rebhuhns; nur ist er länger gestreckt. Der Schnabel hat fast die Länge des halben Körpers, ist vorne zugerundet, oder vielmehr breit zu nennen, der obere ein wenig länger, an der Spitze schwarz und mit dergleichen Wörzchen besetzt, als ob er mit Chagrin überzogen wäre; dann wird der Schnabel bräunlich, unten gelblich, an der Wurzel aber grünlich; die Nasenlöcher sind





what were the books which Linnaeus actually possessed for every such book is indicated by a Gothic capital "L" in brackets (parentheses) in the *Catalogue of the Printed Books and Pamphlets* in the Society's Library published in 1925. In hope of the clue suggested by Professor Grensted in his letter of 14th April the Society's *Catalogue* was examined both by Professor Grensted and myself. Unfortunately, the results were negative. The library of Linnaeus is mainly medical and botanical. It contains no astronomical works—not even Tycho Brahe, or the much earlier Copernicus. There is an Aristotle—*Aristoteles Stagarita de Historia Animalium*—but this is only a translation published in 1504 (1514) and not likely to be of help in the present connection. There are two works on astrology in the library, namely Albinus Petrus Constantius, *Magia astrologica*, Hamburgi, 1716; Lemnius, *De Astrologia*, Antwerpiae, 1553. Neither of these seems very likely. Unfortunately, it was not practicable to examine either of these works, for Professor Grensted found on enquiry that neither is in the Bodleian Library. It looks therefore as though Linnaeus must have derived his information about the use of the expression "*Capella coelestis*" from some book which was not in his own library.

14. In communicating to me the results of his examination of the Linnean Society's *Catalogue* (*in litt.*, 4th July 1956) Professor Grensted added the following additional interesting note :—

While in the Bodleian I looked up Aratus (the Greek astronomer, c. 270 B.C.) and found that he actually calls Capella *Ἀἴξ ἱερή* "the Sacred Goat", which is coming near. But the mediaeval commentaries which have been edited by E. Maass don't help any further. There is no sign of the above expression having been used in connection with a bird. Still the phrase is interesting, coming on the way to the proverbial *ἄἰξ οὐράνιος* and to *Capella coelestis*.

15. While it has not been possible definitely to establish from whom was derived the expression "*Capella coelestis*", as used by Linnaeus, in 1758 as a vernacular (Latin) expression to denote the Snipe, the information supplied by Professor Grensted and by Professor Singer is of the greatest interest as showing that from the times of Classical antiquity down the centuries words meaning "goat" and "goat-like" have been applied to some

kind of marsh bird. There can be little doubt that this association is based, as has been suggested by both the above authorities and as Colonel Richard Meinertzhagen (with whom I have discussed this matter), agrees upon a real or fancied resemblance between the note of the birds concerned and the bleating of a goat.

16. The grateful thanks of the Commission are due to Professor Grensted and to Professor Singer for the invaluable assistance which they have rendered in this interesting and unusual investigation.

Ref

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

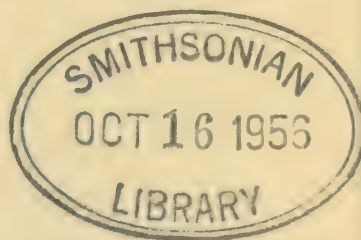
**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.5. Pp. 139—152**

## **DIRECTION 40**

Determination of the gender to be attributed to the names of fifty-five genera of the Phylum Arthropoda, exclusive of genera of Decapod Crustacea, placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936



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## DIRECTION 40

### DETERMINATION OF THE GENDER TO BE ATTRIBUTED TO THE NAMES OF FIFTY-FIVE GENERA OF THE PHYLUM ARTHROPODA, EXCLUSIVE OF GENERA OF DECAPOD CRUSTACEA, PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936

**RULING :—**(1) The gender to be attributed to each of the under-mentioned names of genera in the Phylum Arthropoda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* severally specified below, is hereby determined as being the masculine gender :—

(a) Class Insecta (12 names) :

(i) Name included in *Opinion* 81 :

*Cimex* Linnaeus, 1758 ;

(ii) Names included in *Opinion* 104 :

*Anthocoris* Fallén, 1814 ; *Nabis* Latreille, [1802—1803] ; *Reduvius* Fabricius, 1775 ; *Ectobius* Stephens, 1835 ; *Gryllus* Linnaeus, 1758 ; *Pediculus* Linnaeus, 1758 ; *Phthirus* Leach, 1815 ; *Pulex* Linnaeus, 1758 ;

(iii) Names included in *Opinion* 106 :

*Gasterophilus* Leach, 1817 ; *Oedemagena* Latreille, 1818 ; *Oestrus* Linnaeus, 1758 ;

(b) Class Diplopoda (one name) (*Opinion* 104) :

*Polydesmus* Latreille, [1802—1803] ;

(c) Class Crustacea (4 names) (*Opinion* 104) :

*Diaptomus* Westwood, 1836 ; *Oniscus* Linnaeus, 1758 ; *Porcellio* Latreille, [1803—1804] ; *Gammarus* Fabricius, 1775 ;

(d) Class Merostomata (one name) (*Opinion* 104) :

*Limulus* Müller (O.F.), 1785 ;

## (e) Class Arachnida (16 names) :

(i) Names included in *Opinion* 73 :

*Argas* Latreille, 1795 ; *Dermacentor* Koch, 1844 ; *Ixodes* Latreille, 1795 ; *Rhipicentor* Nuttall & Warburton, 1908 ; *Rhipicephalus* Koch, 1844 ;

(ii) Names included in *Opinion* 104 :

*Dendryphantes* Koch, 1837 ; *Latrodectus* Walckenaer, 1805 ; *Scorpio* Linnaeus, 1758 ; *Cheyletus* Latreille, 1796 ; *Chorioptes* Gervais & van Beneden, 1859 ; *Demodex* Owen, 1843 ; *Dermanyssus* Dugès, 1834 ; *Glyciphagus* Hering, 1838 ; *Psoroptes* Gervais, 1841 ; *Rhizoglyphus* Claparède, [1869] ;

(iii) Name included in *Opinion* 113 :

*Sarcoptes* Latreille, [1802—1803].

(2) The gender to be attributed to each of the under-mentioned names of genera in the Phylum Arthropoda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* severally specified below, is hereby determined as the feminine gender :—

## (a) Class Insecta (9 names) :

(i) Name included in *Opinion* 82 :

*Musca* Linnaeus, 1758 ;



(ii) Names included in *Opinion* 104 :

*Podura* Linnaeus, 1758 ; *Notonecta* Linnaeus, 1758 ; *Triatoma* Laporte, [1832] ; *Forficula* Linnaeus, 1758 ; *Blatta* Linnaeus, 1758 ; *Periplaneta* Burmeister, 1838 ;

(iii) Name included in *Opinion* 106 :

*Cephenemyia* Latreille, 1818 ;

(iv) Name included in *Opinion* 128 :

*Nycteribia* Latreille, 1796 ;

(b) Class Crustacea (one name) (*Opinion* 77) :

*Lepas* Linnaeus, 1758 ;

## (c) Class Arachnida (5 names) :

(i) Name included in *Opinion* 73 :

*Haemaphysalis* Koch, 1844 ;

(ii) Names included in *Opinion* 104 :

*Avicularia* Lamarck, 1818 ; *Dysdera* Latreille, [1804] ; *Segestria* Latreille, [1804] ;

(iii) Name included in *Opinion* 128 :

*Spinturnix* Heyden, 1826.

(3) The gender to be attributed to each of the under-mentioned names of genera in the Phylum Artropoda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* severally specified below, is hereby determined as the neuter gender :—

(a) Class Insecta (one name) (*Opinion* 106) :

*Hypoderma* Latreille, 1818 ;

(b) Class Crustacea (one name) (*Opinion* 104) :

*Armadillidium* Brandt & Ratzeburg, [1831] ;

(c) Class Trilobita (one name) (*Opinion* 88) :

*Otarion* Zenker, 1833 ;

(d) Class Arachnida (3 names) :

(i) Names included in *Opinion* 73 :

*Amblyomma* Koch, 1844 ; *Hyalomma* Koch, 1844 ;

(ii) Name included in *Opinion* 104 :

*Trombidium* Fabricius, 1775.

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* contains the fifth instalment of determinations of the gender attributable to the names of genera placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. The following is the paper which formed the basis of the decisions taken by the Commission in the present case, which was submitted to the Commission on 29th September 1955 :—

**Determination of the gender of names placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 : Fifth Instalment (names of genera of Arthropods, excluding Decapod Crustacea)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The present paper contains the fifth instalment of proposals for the determination of the gender to be attributed to generic names placed on the *Official List of Generic Names in Zoology* during the period up to the end of 1936 ; it is concerned with the names of genera of the Phylum Arthropoda other than those of Decapod Crustacea, which were dealt with in Voting Paper V.P.(O.M.)(55)6<sup>1</sup>.

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<sup>1</sup> The decision taken by the International Commission by its vote on the above Voting Paper has since been embodied in *Direction* 11 (1955, *Ops. Decls. int. Comm. zool. Nomencl.* 1(c) : 15—34).

2. The pre-Lisbon *Opinions* contain Rulings placing the names of fifty-six genera of the above group of Arthropods on the *Official List*. The distribution of names by *Opinions* is as follows :—*Opinion* 73 : 8 names ; *Opinions* 77, 81, 82, 88 and 113 : one name each ; *Opinion* 104 : 36 names ; *Opinion* 106 : 5 names ; *Opinion* 128 : 2 names.

3. As in the case of the previous instalments of proposals relating to genders, the present recommendations are based upon the Report furnished by Mr. F. J. Lelievre (at that time of the Classical Languages Department of Bedford College, London University), on the gender to be assigned to each name placed on the *Official List* in the period prior to the Paris (1948) Congress. Also, current checklists, catalogues and monographs have been consulted to ascertain whether the genders now proposed to be assigned to the names in question are those currently used by specialists in the various groups. Finally, drafts of the relevant portions of the list forming Annexe 2 to this paper were sent to various specialists for comment. The Commission is much indebted to the following specialists for their co-operation in this matter :—

Insecta :	Dr. Theresa Clay, Mr. H. Oldroyd, and Dr. W. E. China (British Museum (Natural History), London).
Crustacea :	Dr. J. P. Harding (British Museum (Natural History), London). Prof. A. Vandel (Université de Toulouse, Toulouse, France).
Myriapoda & Arachnida :	Dr. G. O. Evans and Dr. A. C. Townsend (British Museum (Natural History), London).
Trilobita :	Dr. C. J. Stubblefield (Geological Survey and Museum, London).

In only three cases were comments made by specialists on the genders proposed in the list submitted by Mr. Lelievre. These cases are discussed in the immediately following paragraphs.

4. *Lepisma* Linnaeus, 1758 : This is a Greek neuter word, but it was treated as feminine by the original author and, Miss Clay informs me, has been consistently used as such ever since. One species (*L. saccharina*) is widely used in the non-specialist literature and the change to the correct gender would inevitably lead to confusion. A separate application (File Z.N.(S.) 988) is therefore being made for the use of the Plenary Powers to vary the gender correctly attributable to this name<sup>2</sup>.

<sup>2</sup> For the separate application subsequently submitted in regard to the gender to be attributed to the generic name *Lepisma* Linnacus see Hemming, 1955, *Bull. zool. Nomencl.* **11** : 299—300.



5. *Oedemagena* Latreille, 1818 : Mr. Lelievre reports that this word is "common, on the analogy of *Trojugena*", and should therefore be treated as masculine. This view is in agreement with the Rules adopted by the Copenhagen Congress (1953, *Copenhagen Decisions Zool. Nomencl.*, Decision 84(4)). Mr. Oldroyd informs me that it is a relatively obscure genus with a single known species (*O. tarandi*, the Warble Fly of Reindeer) and therefore the attribution of the correct gender will cause no difficulty.

6. *Nabis* Latreille, [1802—1803] : Mr. Lelievre reports that this name is feminine. Dr. China, in a letter dated 6th January, 1955, reproduced in Annexe 1 to this paper, states that it has always been treated by hemipterists as masculine. Lewis & Short give a feminine usage of the word "nabis", meaning a cameleopard, and as a masculine word it was the name of a king of Sparta. Since it is uncertain which meaning was intended for the generic name *Nabis* by the author, Latreille, it is proposed, on the basis of Dr. China's letter, to treat it as masculine.

7. No difficulties have been found as regards the remaining fifty-three names ; in each case there appears to be no doubt as to the gender correctly attributable, and this is also the gender commonly used.

8. The genders attributable to the fifty-five names dealt with in this paper are given in Annexe 2, and for the reasons set out above, I recommend that the International Commission should render a *Direction* that the gender specified in that Annexe for each of the names concerned be now entered against that name in the *Official List of Generic Names in Zoology*.

## ANNEXE 1

### Gender proposed to be assigned to the generic name "Nabis" Latreille

*Extract from a letter, dated 6th January, 1955, from Dr. W. E. China (British Museum (Natural History), London)*

*Nabis* Latreille, 1802, which you list as feminine, is always regarded by Hemipterists as masculine.

Amyot, 1848, *Rhynchotes, Méthode Mononymique* (a work which is invalid) gives the meaning of *Nabis* as "Brebis sauvage", a wild

ewe, presumably with the idea that the predatory *Nabis* is "a wolf in sheep's clothing". If *Nabis* really was a classical word meaning ewe, it would, of course, be feminine, but I can trace no Latin or Greek word *Nabis* meaning a female sheep. *Nabis* was a King of Sparta about 200 B.C. which would make the genus masculine. *Nabis* is also an African word for Giraffe.

## ANNEXE 2

**Gender proposed to be inscribed in the "Official List of Generic Names in Zoology" in respect of the names of genera of Arthropoda other than those of Decapod Crustacea, placed on that "List" in the period up to the end of 1936**

Generic Name	Gender proposed to be assigned to name speci- fied in Col. 1	"Opinion" in which name specified in Col. 1 was placed on "Official List"
(1)	(2)	(3)
<i>Class Insecta</i>		
<i>Podura</i> Linnaeus, 1758	Feminine	104
<i>Musca</i> Linnaeus, 1758	Feminine	82
<i>Cephenemyia</i> Latreille, 1818	Feminine	106
<i>Gasterophilus</i> Leach, 1817	Masculine	"
<i>Hypoderma</i> Latreille, 1818	Neuter	"
<i>Oedemagena</i> Latreille, 1818	Masculine	"
<i>Oestrus</i> Linnaeus, 1758	Masculine	"
<i>Nycteribia</i> Latreille, 1796	Feminine	128
<i>Cimex</i> Linnaeus, 1758	Masculine	81
<i>Anthocoris</i> Fallèn, 1814	Masculine	104
<i>Nabis</i> Latreille, [1802—1803]	Masculine	"
<i>Notonecta</i> Linnaeus, 1758	Feminine	"
<i>Reduvius</i> Fabricius, 1775	Masculine	"
<i>Triatoma</i> Laporte, [1832]	Feminine	"
<i>Forficula</i> Linnaeus, 1758	Feminine	"
<i>Blatta</i> Linnaeus, 1758	Feminine	"
<i>Ectobius</i> Stephens, 1835	Masculine	"
<i>Gryllus</i> Linnaeus, 1758	Masculine	"
<i>Periplaneta</i> Burmeister, 1838	Feminine	"
<i>Pediculus</i> Linnaeus, 1758	Masculine	"
<i>Phthirus</i> Leach, 1815	Masculine	"
<i>Pulex</i> Linnaeus, 1758	Masculine	"

Generic Name (1)	Gender proposed to be assigned to name speci- fied in Col. 1 (2)	"Opinion" in which name specified in Col. 1 was placed on "Official List" (3)
<i>Class Diplopoda</i>		
<i>Polydesmus</i> Latreille, [1802—1803]	Masculine	104
<i>Class Crustacea</i>		
<i>Diaptomus</i> Westwood, 1836	Masculine	104
<i>Lepas</i> Linnaeus, 1758	Feminine	77
<i>Armadillidium</i> Brandt & Ratzeburg, [1831]	Neuter	104
<i>Oniscus</i> Linnaeus, 1758	Masculine	„
<i>Porcellio</i> Latreille, [1803—1804]	Masculine	„
<i>Gammarus</i> Fabricius, 1775	Masculine	„
<i>Class Merostomata</i>		
<i>Limulus</i> Müller (O.F.), 1785	Masculine	104
<i>Class Trilobita</i>		
<i>Otarion</i> Zenker, 1833	Neuter	88
<i>Class Arachnida</i>		
<i>Avicularia</i> Lamarck, 1818	Feminine	104
<i>Dendryphantes</i> Koch, 1837	Masculine	„
<i>Dysdera</i> Latreille, [1804]	Feminine	„
<i>Latrodectus</i> Walckenaer, 1805	Masculine	„
<i>Segestria</i> Latreille, [1804]	Feminine	„
<i>Scorpio</i> Linnaeus, 1758	Masculine	„
<i>Amblyomma</i> Koch, 1844	Neuter	73
<i>Argas</i> Latreille, 1795	Masculine	„
<i>Dermacentor</i> Koch, 1844	Masculine	„
<i>Haemaphysalis</i> Koch, 1844	Feminine	„



<i>Generic Name</i> (1)	<i>Gender proposed to be assigned to name speci- fied in Col. 1</i> (2)	<i>“ Opinion ” in which name specified in Col. 1 was placed on “ Official List ”</i> (3)
<i>Hyalomma</i> Koch, 1844	Neuter	73
<i>Ixodes</i> Latreille, 1795	Masculine	„
<i>Rhipicentor</i> Nuttall & Warburton, 1908	Masculine	„
<i>Rhipicephalus</i> Koch, 1844	Masculine	„
<i>Cheyletus</i> Latreille, 1796	Masculine	104
<i>Choriotptes</i> Gervais & van Beneden, 1859	Masculine	„
<i>Demodex</i> Owen, 1843	Masculine	„
<i>Dermanyssus</i> Dugès, 1834	Masculine	„
<i>Glycyphagus</i> Hering, 1838	Masculine	„
<i>Psoroptes</i> Gervais, 1841	Masculine	„
<i>Rhizoglyphus</i> Claparède, [1869]	Masculine	„
<i>Trombidium</i> Fabricius, 1775	Neuter	„
<i>Sarcoptes</i> Latreille, [1802—1803]	Masculine	113
<i>Spinturnix</i> Heyden, 1826	Feminine	128

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper, the question of the gender to be assigned to the names of genera of the Phylum Arthropoda dealt with therein was allotted the Registered Number Z.N.(S.) 989.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)29 :** On 29th September 1955, a Voting Paper (V.P.(O.M.)(55)29) was issued in which

each Member of the Commission was asked (1) to state whether he agreed " that, in conformity with the General Directive relating to the recording in the *Official List of Generic Names in Zoology* of the gender of each name placed thereon prior to 1948, issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, the gender of the fifty-five generic names in the Phylum Arthropoda specified in Column (2) of Annexe 2 to the paper by the Secretary bearing the Registered Number Z.N.(S.) 989, submitted simultaneously with the present Voting Paper [i.e. in the corresponding column in the Annexe numbered as above attached to the paper reproduced in the first paragraph of the present *Direction*] be entered in the *Official List of Generic Names in Zoology* in respect of the names enumerated in the first column of the said Annexe ", and (2), if he did not agree as regards any given item, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 29th October 1955.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)29 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)29 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Boschma ; Holthuis ; Vokes ; Hering ; Stoll ;  
Prantl ; Lemche ; Mayr ; Key ; do Amaral ; Esaki ;  
Mertens ; Miller ; Bradley (J.C.) ; Kühnelt ; Dymond ;  
Jaczewski ; Hemming ; Sylvester-Bradley ; Tortonese ;  
Bonnet ; Cabrera ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.

**6. Declaration of Result of Vote :** On 29th October 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(55)29, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present “ Direction ” :** On 22nd February 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)29.

**8.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.



9. The present *Direction* shall be known as *Direction Forty* (40) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-second day of February, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**  
Secretary to the Commission

**VOLUME 1. SECTION D. Part D.6. Pp. 153—170**

## **DIRECTION 42**

Determination of the gender to be attributed to the names of seventy-eight genera of various Classes of Invertebrates and of six genera of the Class Urochorda placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936

**LONDON :**

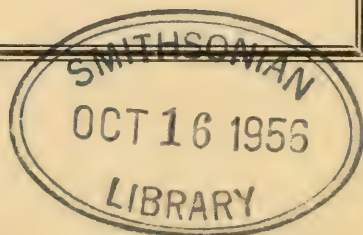
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*Issued 17th September, 1956*



# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 42

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

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Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernest MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 42

### DETERMINATION OF THE GENDER TO BE ATTRIBUTED TO THE NAMES OF SEVENTY-EIGHT GENERA OF VARIOUS CLASSES OF INVERTEBRATES AND OF SIX GENERA OF THE CLASS UROCHORDA PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936

**RULING :—**(1) The gender to be attributed to each of the under-mentioned names of genera of the Classes of Invertebrates severally specified below and of the Class Urochorda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* specified in each case against the generic name concerned is hereby determined as being the masculine gender :—

(a) Class Trematoda (3 names) :

- (i) *Hemiurus* Rudolphi, 1809 (*Opinion* 77) ;
- (ii) *Gastrodiscus* Cobbold, 1877 ; *Heterophyes* Cobbold, 1866 (both in *Opinion* 84) ;

(b) Class Cestoda (1 name) :

*Echinococcus* Rudolphi, 1801 (*Opinion* 84) ;

(c) Class Nematoda (5 names) :

- (i) *Dracunculus* Reichard, 1759 ; *Strongyloides* Grassi, 1879 ; *Trichostrongylus* Looss, 1905 (all in *Opinion* 66) ;
- (ii) *Strongylus* Müller, 1780 ; *Syngamus* Siebold, 1836 (both in *Opinion* 104) ;

(d) Class Nematomorpha (2 names) :

*Gordius* Linnaeus, 1758 ; *Paragordius* Camerano, 1897 (both in *Opinion* 66) ;

(e) Class Chaetopoda (2 names) :

- (i) *Lumbricus* Linnaeus, 1758 (*Opinion* 75) ;
- (ii) *Enchytraeus* Henle, 1837 (*Opinion* 104) ;

- (f) Class Gastropoda (1 name) :  
*Limax* Linnaeus, 1758 (*Opinion* 94) ;
- (g) Class Pelecypoda (1 name) :  
*Mytilus* Linnaeus, 1758 (*Opinion* 94) ;
- (h) Class Cephalopoda (1 name) :  
*Argonauta* Linnaeus, 1758 (*Opinion* 94) ;
- (i) Class Brachiopoda (1 name) :  
*Spirifer* Sowerby, 1816 (*Opinion* 100) ;
- (j) Class Crinoidea (4 names) :  
*Bathycrinus* Thomson, 1872 ; *Holopus* d'Orbigny, 1837 ; *Metacrinus* Carpenter, 1882 ;  
*Rhizocrinus* Sars, [1865] (all in *Opinion* 73) ;
- (k) Class Urochorda (1 name) :  
*Botryllus* Gaertner, 1774 (*Opinion* 94).

(2) The gender to be attributed to each of the under-mentioned names of genera of the Classes of Invertebrates severally specified below and of the Class Urochorda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* specified in each case against the generic name concerned is hereby determined as being the feminine gender :—

- (a) Class Rhizopoda (2 names) :
  - (i) *Arcella* Ehrenberg, [1830] (*Opinion* 77) ;
  - (ii) *Lepidocyclina* Gumbel, [1870] (*Opinion* 127) ;
- (b) Class Mastigophora (1 name) :  
*Volvox* Linnaeus, 1758 (*Opinion* 75) ;
- (c) Class Ciliata (1 name) :  
*Bursaria* Müller, 1773 (*Opinion* 104) ;
- (d) Class Sporozoa (1 name) :  
*Eimeria* Schneider, 1875 (*Opinion* 104) ;

## (e) Class Neosporidia (1 name) :

*Sarcocystis* Lankester, 1882 (*Opinion* 104) ;

## (f) Class Hydrozoa (2 names) :

(i) *Hydra* Linnaeus, 1758 (*Opinion* 77) ;

(ii) *Physalia* Lamarck, 1801 (*Opinion* 80) ;

## (g) Class Trematoda (1 name) :

*Fasciola* Linnaeus, 1758 (*Opinion* 84) ;

## (h) Class Cestoda (7 names) :

(i) *Anoplocephala* Blanchard, 1848 ; *Hymenolepis* Weinland, 1858 ; *Moniezia* Blanchard, 1891 ; *Stilesia* Stiles & Hassall, 1893 (all in *Opinion* 77) ;

(ii) *Davainea* Blanchard & Railliet, 1891 ; *Taenia* Linnaeus, 1758 (both in *Opinion* 84) ;

(iii) *Ligula* Bloch, 1782 (*Opinion* 104) ;

## (i) Class Nematoda (4 names) :

(i) *Ascaris* Linnaeus, 1758 (*Opinion* 66) ;

(ii) *Filaria* Müller, 1787 ; *Heterodera* Schmidt, 1871 ; *Rhabditis* Dujardin, 1845 (all in *Opinion* 104) ;

## (j) Class Hirudinea (3 names) :

(i) *Hirudo* Linnaeus, 1758 (*Opinion* 75) ;

(ii) *Haemadipsa* Tennent, 1859 ; *Limnatis* Moquin-Tandon, 1827 (both in *Opinion* 104) ;

## (k) Class Gastropoda (11 names) :

(i) *Calyptraea* Lamarck, 1799 ; *Columbella* Lamarck, 1799 ; *Helix* Linnaeus, 1758 ; *Physa* Draparnaud, [1801] ; *Succinea* Draparnaud, [1801] (all in *Opinion* 94) ;

(ii) *Leucochila* von Martens, 1860 (*Opinion* 115) ;



- (iii) *Oleacina* Röding, 1798 ; *Neritina* Lamarck, 1816 ; *Clausilia* Draparnaud, [1805] ; *Vitrina* Draparnaud, [1801] ; *Tornatellina* Pfeiffer, 1842 (all in *Opinion* 119) ;
- (l) Class Pelecypoda (4 names) :  
*Anodonta* Lamarck, 1799 ; *Mya* Linnaeus, 1758, *Teredo* Linnaeus, 1758 ; *Macra* Linnaeus, 1767 (all in *Opinion* 94) ;
- (m) Class Cephalopoda (1 name) :  
*Sepia* Linnaeus, 1758 (*Opinion* 94) ;
- (n) Class Brachiopoda (1 name) :  
*Syringothyris* Winchell, 1863 (*Opinion* 100) ;
- (o) Class Asteroidea (1 name) :  
*Luidia* Forbes, 1839 (*Opinion* 129) ;
- (p) Class Holothuroidea (1 name) :  
*Holothuria* Linnaeus, 1767 (*Opinion* 80) ;
- (q) Class Crinoidea (1 name) :  
*Antedon* Fréminville, 1811 (*Opinion* 73) ;
- (r) Class Urochorda (4 names) :  
*Clavelina* Savigny, 1816 ; *Diazona* Savigny, 1816 ; *Distaplia* Della Valle, 1881 ; *Molgula* Forbes, 1848 (all in *Opinion* 94).

(3) The gender to be attributed to each of the under-mentioned names of genera of the Classes of Invertebrates severally specified below and of the Class Urochorda which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* specified in each case against the generic name concerned is hereby determined as being the neuter gender :—

- (a) Class Mastigophora (1 name) :  
*Trypanosoma* Gruby, 1843 (*Opinion* 95) ;

- (b) Class Anthozoa (1 name) :  
*Lithostrotion* Fleming, 1828 (*Opinion* 117) ;
- (c) Class Trematoda (2 names) :
  - (i) *Schistosoma* Weinland, 1858 (*Opinion* 77) ;
  - (ii) *Dicrocoelium* Dujardin, [1844] (*Opinion* 84) ;
- (d) Class Cestoda (2 names) :
  - (i) *Thysanosoma* Diesing, 1835 (*Opinion* 77) ;
  - (ii) *Dipylidium* Leuckart, 1863 (*Opinion* 84) ;
- (e) Class Nematoda (2 names) :  
*Ancylostoma* Dubini, 1843 ; *Gnathostoma* Owen, 1837 (both in *Opinion* 66) ;
- (f) Class Gastropoda (3 names) :
  - (i) *Buccinum* Linnaeus, 1758 (*Opinion* 94) ;
  - (ii) *Cerion* Röding, 1798 (*Opinion* 119) ;
  - (iii) *Agasoma* Gabb, [1869] (*Opinion* 12) ;
- (g) Class Scaphopoda (1 name) :  
*Dentalium* Linnaeus, 1758 (*Opinion* 94) ;
- (h) Class Pelecypoda (1 name) :  
*Sphaerium* Scopoli, 1777 (*Opinion* 94) ;
- (i) Class Cephalopoda (1 name) :  
*Lytoceras* Suess, 1865 (*Opinion* 130) ;
- (j) Class Urochorda (1 name) :  
*Pyrosoma* Peron, 1804 (*Opinion* 77).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* contains the sixth instalment of determinations of the gender attributable to the names of genera placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. In all, eighty-four generic names are dealt with in the present *Direction* ; of these, seventy-eight are the names of genera of Classes of invertebrates belonging to

various Phyla, other than the Phylum Arthropoda, and six are the names of genera belonging to the Class Urochorda. The adoption of the present *Direction* marks the close of the survey of the gender to be attributed to each of the five hundred and sixty-three names placed on the *Official List* up to the end of 1936 undertaken by the International Commission in compliance with a Directive issued to it by the Thirteenth International Congress of Zoology, Paris, 1948. Of the total number of names involved the gender attributable to five hundred and forty-six names has now been determined by the Commission, and proposals are now before it in the case of the remaining seventeen names. The paper on which the present *Direction* is based was submitted by the Secretary on 29th September 1955 and was as follows :—

**Determination of the gender of names placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 :**

**Sixth Instalment (names of genera of Invertebrates, other than Arthropods, and of genera of the Class Urochorda)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretaty to the International Commission on Zoological Nomenclature*)

This paper contains the sixth and last instalment of proposals for the determination of the gender to be attributed to names placed on the *Official List of Generic Names in Zoology* during the period up to the end of 1936 ; it is concerned with genera belonging (a) to various Invertebrate Phyla, excluding the Arthropods (which have been dealt with in two previous Voting Papers, namely V.P.(O.M.)(55)6 and V.P.(O.M.)(55)29<sup>1</sup> and (b) to the Class Urochorda.

2. The pre-Lisbon *Opinions* contain Rulings placing the names of ninety genera of the foregoing groups on the *Official List*. The distribution of names by *Opinions* is as follows : *Opinion* 66 : 9 names ; *Opinions* 73 : 5 names ; *Opinion* 75 : 3 names ; *Opinion* 77 : 10 names ; *Opinion* 84 : 9 names ; *Opinion* 94 : 22 names ; *Opinion* 104 : 14 names ; *Opinion* 119 : 7 names ; *Opinions* 80, 95 and 100 : 2 names each ; *Opinions* 115, 117, 127, 129 and 130 : one name each.

3. As in the case of the previous instalments of proposals relating to the gender to be attributed to generic names on the *Official List*,

<sup>1</sup> The decisions taken by the International Commission by its votes on the foregoing Voting Papers have since been embodied in *Direction* 11 (1955, *Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 15—34) and *Direction* 40 (pp. 139—152 of the present Section (Section D) of Volume 1 of the present Series) respectively.



the present recommendations are based upon the Report furnished by Mr. F. J. Lelievre (at that time of the Classical Language Department of Bedford College, London University). Also, current checklists, catalogues and monographs have been consulted to ascertain whether the genders now proposed to be assigned to the names in question are those currently used by specialists in the various groups. Finally, drafts of the relevant portions of the list now submitted as Annexe 2 to this paper were sent to various specialists for comment. The Commission is much indebted to the following specialists for their co-operation in this matter :—

Dr. Ellsworth C. Dougherty (*University of California*) (Protozoa, Trematoda, Cestoda and Nematoda)

Dr. W. J. Rees, D.Sc. (*British Museum (Natural History)*) (Coelenterata)

Mr. N. Tebble, B.Sc. (*British Museum (Natural History)*) (Hirudinea)

Mr. R. V. Melville, M.Sc. (*Geological Survey & Museum, London*) (Cephalopoda)

Dr. L. Bairstow, M.A., Ph.D. (*British Museum (Natural History)*) (Cephalopoda)

4. Of the ninety names concerned, the gender attributable to five has already been dealt with. These are *Necator* Stiles, 1903 (*Opinion* 201) ; *Endamoeba* Leidy, 1879 (*Opinion* 312) ; *Plasmodium* Marchiafava & Celli, 1885 and *Laverania* Feletti & Grassi, 1889 (*Opinion* 283) ; *Ostrea* Linnaeus, 1758 (*Opinion* 356).

5. In the case of one further name, *Gigantorhynchus* Hamann, 1892, an application has been submitted for the use of the Plenary Powers to vary the gender correctly attributable to it. (File Z.N.(S.) 942 ; see *Bull. Zool. Nomencl.* **11** : 260—262.)

6. Proposals regarding the remaining 84 names are now placed before the Commission. Only two of them call for special comment, namely *Argonauta* Linnaeus, 1758, and *Antedon* Fréminville, 1811. These are discussed in the immediately following paragraphs.

7. *Argonauta* : This, according to the Latin dictionaries, is a masculine word, although it has an apparently feminine termination. Both Mr. Melville and Dr. Bairstow have been consulted in this case and it seems that, in spite of the fact that many authors have treated this name as being feminine, no serious inconvenience would result from attributing to it the correct (masculine) gender. The letters from these specialists are reproduced in Annexe 1.

8. *Antedon* : This name is commonly treated as being of the feminine gender, but doubts have been expressed as to whether this is correct. Dr. L. W. Grensted, the Commission's Consulting Classical

Adviser, has reported (Annexe 2) that *Antedon* is probably an error for *Anthedon*, which is a feminine word. The likelihood that this is the correct explanation is strengthened by the fact that Agassiz (1846, *Nomencl. Zool. Index Univ.* : 25) emended it to *Anthedon*. Fréminville himself did not give any information regarding the derivation of his new generic name, and the name of the single originally included species (*gorgonia*) is a feminine noun in apposition. In these circumstances, and having regard to Dr. Grensted's Report, I recommend that the Commission should assign the feminine gender to this name.

9. As regards the remaining 82 names, in each case there appears to be no doubt as to the gender correctly attributable, and that gender is also the one commonly used.

10. I accordingly recommend that, in compliance with the General Directive issued by the Thirteenth International Congress of Zoology, Paris, 1948, the Commission should now render a *Direction* that in respect of the seventy-eight generic names of Invertebrates and six generic names of Urochordates specified in Annexe 3 of the present paper, the gender to be inserted in the entry on the *Official List of Generic Names in Zoology* be that shown against each name in column (2) of the said Annexe.

11. It will, I am confident, be a source of satisfaction to the Commission—as it is to myself as Secretary—that when it has taken decisions on the proposals now submitted, it will have completed the determination of the gender to be attributed to all the generic names placed on the *Official List* prior to the Paris Congress of 1948, with the exception of a small group of names as regards which special problems arise and on which separate proposals have been, or shortly will be, submitted for decision. The taking of these decisions marks an important stage in the preparations needed before the urgently awaited volume containing particulars of all names so far placed on the *Official Lists* and *Official Indexes* can be sent to the printer for publication.

#### ANNEXE 1

##### **The gender attributable to the generic name “Argonauta” Linnaeus, 1758**

(a) *Extract from a letter from R. V. Melville, M.Sc. (Geological Survey and Museum, London), dated 10th January 1955*

. . . . .

*Argonauta* is obviously more difficult, since it is a masculine noun with an apparently feminine ending. I have looked it up in Sherborn's *Index Animalium* and find (apart from nouns in apposition, e.g. *argo*, patronymics in the genitive, e.g. *sismondai*, and adjectives with indifferent endings, e.g. *hians*) five feminine and one masculine specific names in the 1758—1800 section, where ten names are listed ; and in the



1801—1850 section, eleven feminine and five masculine out of 26 specific names. On this basis usage is clearly in favour of a feminine gender. On balance, I consider that the correct (masculine) gender should be accepted for the name *Argonauta*.

(b) *Letter from L. Bairstow, M.A., Ph.D. (British Museum (Natural History), London), dated 14th January 1955*

I see from a Latin dictionary that *nauta* -ae and *Argonautae* -arum are masculine ; thus these entries confirm the claim that the correct gender of *Argonauta* is indeed masculine.

Nevertheless, *Argonauta* has customarily been treated as feminine. Of specific names that have been used in combination with *Argonauta*, those that are adjectives have been employed with feminine terminations in the great majority of instances. Most of the comparatively few instances of their employment with masculine terminations occurred between the years 1790 and 1830.

However, though the species of *Argonauta* have been known by many different names, the number of well-established species at present recognised is not great—perhaps half a dozen Recent species and a few fossil ones. Moreover, of the currently accepted names for these species, most would not be affected by correction of the gender of *Argonauta* : *argo* is a noun in apposition ; *böttgeri*, *nowryi*, *sismondae* and *yoshiwarae* are nouns in the genitive ; *johanneus* is already masculine in termination ; and *hians* would presumably remain unchanged. The only currently important names needing change of termination would be *cornuta* and *nodosa*, though certain other names might need alteration if certain species of uncertain status, or that are now considered synonyms, were valued more highly by some future reviser.

I do not see that it need cause much confusion or inconvenience if the correct (masculine) gender were to be attributed to *Argonauta* on the *Official List*. My own view is that the correction should receive official endorsement.

## ANNEXE 2

**The gender attributable to the generic name “ Antedon ” Fréminville, 1811**

*Extract from a letter from L. W. Grensted dated 12th July 1955*

*Antedon* : As this name stands, in Latin, the gender is quite obscure. The word *as it stands* has no direct derivation, but being a name, with a Greek look about it, would *probably* be masculine and *might* be



feminine. But I suspect that Fréminville wrote *Antedon* for *Anthedon*, which is found both in Greek and Latin in two meanings, as the name of a plant and as a town in Boeotia with mythological associations. In both senses *Anthedon* is feminine, and I suspect that this is the reason why *Antedon* has normally been regarded as feminine. I think this usage might stand, in view of this probable derivation—but probably it should be confirmed, and the reason given. I do not know whether Fréminville did anything to determine either the gender or the derivation.

## ANNEXE 3

**Gender proposed to be inscribed in the “ Official List of Generic Names in Zoology ” in respect of the names of seventy-seven genera belonging to various Invertebrate Phyla and of the names of six genera belonging to the Class Urochorda**

<i>Generic Name</i>	<i>Gender proposed to be assigned to name speci- fied in Col. 1</i>	<i>“ Opinion ” in which name specified in Col. 1 was placed on “ Official List ”</i>
(1)	(2)	(3)
<i>Class Rhizopoda</i>		
<i>Arcella</i> Ehrenberg, [1830]	Feminine	77
<i>Lepidocyclina</i> Gümbel, [1870]	Feminine	127
<i>Class Mastigophora</i>		
<i>Volvox</i> Linnaeus, 1758	Feminine	75
<i>Trypanosoma</i> Gruby, 1843	Neuter	95
<i>Class Ciliata</i>		
<i>Bursaria</i> Müller, 1773	Feminine	104
<i>Class Sporozoa</i>		
<i>Eimeria</i> Schneider, 1875	Feminine	104
<i>Class Neosporidia</i>		
<i>Sarcocystis</i> Lankester, 1882	Feminine	104
<i>Class Anthozoa</i>		
<i>Lithostrotion</i> Fleming, 1828	Neuter	117
<i>Class Hydrozoa</i>		
<i>Hydra</i> Linnaeus, 1758	Feminine	77
<i>Physalia</i> Lamarck, 1801	Feminine	80

Generic Name (1)	Gender proposed to be assigned to name speci- fied in Col. 1 (2)	" Opinion " in which name specified in Col. 1 was placed on " Official List " (3)
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*Class Trematoda*

<i>Hemiurus</i> Rudolphi, 1809	Masculine	77
<i>Schistosoma</i> Weinland, 1858	Neuter	"
<i>Dicrocoelium</i> Dujardin, [1844]	Neuter	84
<i>Fasciola</i> Linnaeus, 1758	Feminine	"
<i>Gastrodiscus</i> Cobbold, 1877	Masculine	"
<i>Heterophyes</i> Cobbold, 1866	Masculine	"

*Class Cestoda*

<i>Anoplocephala</i> Blanchard, 1848	Feminine	77
<i>Hymenolepis</i> Weinland, 1858	Feminine	"
<i>Moniezia</i> Blanchard, 1891	Feminine	"
<i>Stilesia</i> Stiles & Hassall, 1893	Feminine	"
<i>Thysanosoma</i> Diesing, 1835	Neuter	"
<i>Davainea</i> Blanchard & Railliet, 1891	Feminine	84
<i>Dipylidium</i> Leuckart, 1863	Neuter	"
<i>Echinococcus</i> Rudolphi, 1801	Masculine	"
<i>Taenia</i> Linnaeus, 1758	Feminine	"
<i>Ligula</i> Bloch, 1782	Feminine	104

*Class Nematoda*

<i>Ancylostoma</i> Dubini, 1843	Neuter	66
<i>Ascaris</i> Linnaeus, 1758	Feminine	"
<i>Dracunculus</i> Reichard, 1759	Masculine	"
<i>Gnathostoma</i> Owen, 1837	Neuter	"
<i>Strongyloides</i> Grassi, 1879	Masculine	"
<i>Trichostrongylus</i> Looss, 1905	Masculine	"
<i>Filaria</i> Müller, 1787	Feminine	104
<i>Heterodera</i> Schmidt, 1871	Feminine	"
<i>Rhabditis</i> Dujardin, 1845	Feminine	"
<i>Strongylus</i> Müller, 1780	Masculine	"
<i>Syngamus</i> Siebold, 1836	Masculine	"

*Class Hirudinea*

<i>Hirudo</i> Linnaeus, 1758	Feminine	75
<i>Haemadipsa</i> Tennent, 1859	Feminine	104
<i>Limnatis</i> Moquin-Tandon, 1827	Feminine	"

*Class Nematomorpha*

<i>Gordius</i> Linnaeus, 1758	Masculine	66
<i>Paragordius</i> Camerano, 1897	Masculine	"

Generic Name (1)	Gender proposed to be assigned to name speci- fied in Col. 1 (2)	"Opinion" in which name specified in Col. 1 was placed on "Official List" (3)
<i>Class Chaetopoda</i>		
<i>Lumbricus</i> Linnaeus, 1758	Masculine	75
<i>Enchytraeus</i> Henle, 1837	Masculine	104
<i>Class Gastropoda</i>		
<i>Buccinum</i> Linnaeus, 1758	Neuter	94
<i>Calyptraea</i> Lamarck, 1799	Feminine	"
<i>Columbella</i> Lamarck, 1799	Feminine	"
<i>Helix</i> Linnaeus, 1758	Feminine	"
<i>Limax</i> Linnaeus, 1758	Masculine	"
<i>Physa</i> Draparnaud, [1801]	Feminine	"
<i>Succinea</i> Draparnaud, [1801]	Feminine	"
<i>Leucochila</i> von Martens, 1860	Feminine	115
<i>Cerion</i> Röding, 1798	Neuter	119
<i>Oleacina</i> Röding, 1798	Feminine	"
<i>Neritina</i> Lamarck, 1816	Feminine	"
<i>Clausilia</i> Draparnaud, [1805]	Feminine	"
<i>Vitrina</i> Draparnaud, [1801]	Feminine	"
<i>Tornatellina</i> Pfeiffer, 1842	Feminine	"
<i>Agasoma</i> Gabb, [1869]	Neuter	121
<i>Class Scaphopoda</i>		
<i>Dentalium</i> Linnaeus, 1758	Neuter	94
<i>Class Pelecypoda</i>		
<i>Anodonta</i> Lamarck, 1799	Feminine	94
<i>Mya</i> Linnaeus, 1758	Feminine	"
<i>Mytilus</i> Linnaeus, 1758	Masculine	"
<i>Sphaerium</i> Scopoli, 1777	Neuter	"
<i>Teredo</i> Linnaeus, 1758	Feminine	"
<i>Mactra</i> Linnaeus, 1767	Feminine	"
<i>Class Cephalopoda</i>		
<i>Argonauta</i> Linnaeus, 1758	Masculine	94
<i>Sepia</i> Linnaeus, 1758	Feminine	"
<i>Lytoceras</i> Suess, 1865	Neuter	130
<i>Class Brachiopoda</i>		
<i>Spirifer</i> Sowerby, 1816	Masculine	100
<i>Syringothyris</i> Winchell, 1863	Feminine	"



Generic Name (1)	Gender proposed to be assigned to name speci- fied in Col. 1 (2)	"Opinion" in which name specified in Col. 1 was placed on "Official List" (3)
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*Class Asteroidea*

<i>Luidia</i> Forbes, 1839	Feminine	129
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*Class Holothuroidea*

<i>Holothuria</i> Linnaeus, 1767	Feminine	80
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*Class Crinoidea*

<i>Antedon</i> Fréminville, 1811	Feminine	73
<i>Bathocrinus</i> Thomson, 1872	Masculine	„
<i>Holopus</i> d'Orbigny, 1837	Masculine	„
<i>Metacrinus</i> Carpenter, 1882	Masculine	„
<i>Rhizocrinus</i> Sars, [1865]	Masculine	„

*Class Urochorda*

<i>Pyrosoma</i> Peron, 1804	Neuter	77
<i>Botryllus</i> Gaertner, 1774	Masculine	94
<i>Clavelina</i> Savigny, 1816	Feminine	„
<i>Diazona</i> Savigny, 1816	Feminine	„
<i>Distaplia</i> Della Valle, 1881	Feminine	„
<i>Molgula</i> Forbes, 1848	Feminine	„

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper, the question of the gender to be assigned to the names of genera of invertebrates and Urochorda previously placed on the *Official List of Generic Names in Zoology* was allotted the Registered Number Z.N.(S.) 991.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)30 :** On 29th September 1955, a Voting Paper (V.P.(O.M.)(55)30) was issued in which

each Member of the Commission was asked (1) to state whether he agreed that, "in conformity with the General Directive relating to the recording in the *Official List of Generic Names in Zoology* of the gender of each name placed thereon prior to 1948, issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, the gender of the seventy-eight generic names of invertebrates and of the six generic names in the Class Urochorda specified in Column (2) of Annexe 3 of the paper bearing the Registered Number Z.N.(S.) 991 by the Secretary submitted simultaneously with the present Voting Paper [i.e. in column (2) of Annexe 3 of the paper reproduced in the first paragraph of the present *Direction*] be entered in the foregoing *Official List* in respect of the names enumerated in the first column of the said Annexe " and, if he did not so agree as regards any given item, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 29th October 1955.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)30 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)30 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Boschma ; Holthuis ; Vokes ; Hering ; Stoll ;  
Prantl ; Lemche ; Mayr ; Key ; do Amaral ; Esaki ;  
Mertens ; Miller ; Bradley (J.C.) ; Kühnelt ; Dymond ;  
Jaczewski ; Hemming ; Sylvester-Bradley ; Tortonese ;  
Bonnet ; Cabrera ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.

**6. Declaration of Result of Vote :** On 21st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)30, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present “ Direction ” :** On 24th February 1956 Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)30.

**8.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.



9. The present *Direction* shall be known as *Direction* Forty-Two (42) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Fourth day of February, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

#### Note to Subscribers

The reason why the present Part, containing *Direction* 42, follows immediately after a Part containing *Direction* 40, is that the intervening *Direction* (*Direction* 41) is concerned with the addition to the *Official List of Family-Group Names in Zoology* of names of that category based upon generic names dealt with in *Opinions* comprised in Volume 11 of the present Series. *Direction* 41 was published in the above volume on 17th May 1956 (*Ops. Decls. int. Comm. Zool. Nomencl.* **11** : 431—452).

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.7. Pp. 171—210**

## **DIRECTION 43**

Addition to the *Official List of Specific Names in Zoology* (a) of the specific names of the type species of seventy-three genera in the Class Aves, the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 and (b) of twelve specific names which are currently regarded as senior subjective synonyms of such names

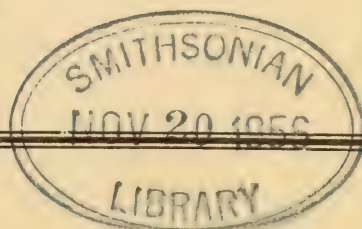
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*Issued 19th October, 1956*

# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 43

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology*)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferninand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 43

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF THE TYPE SPECIES OF SEVENTY-THREE GENERA IN THE CLASS AVES, THE NAMES OF WHICH WERE PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936 AND (b) OF TWELVE SPECIFIC NAMES WHICH ARE CURRENTLY REGARDED AS SENIOR SUBJECTIVE SYNONYMS OF SUCH NAMES

**RULING:**—(1) The under-mentioned specific names of species in the Class Aves, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in *Opinion* 67, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified against the names in question:—

- (1) *vulturina* Hardwicke, 1834, as published in the combination *Numida vulturina* (specific name of type species of *Acryllium* Gray (G.R.), 1840) (Name No. 950);
- (2) *occidentalis* Lawrence, 1858, as published in the combination *Podiceps occidentalis* (specific name of type species of *Aechmophorus* Coues, 1862) (Name No. 951);
- (3) *maximus* Geoffroy, 1850, as published in the combination *Aepyornis maximus* (specific name of type species of *Aepyornis* Geoffroy, 1850) (Name No. 952);

- (4) *sponsa* Linnaeus, 1758, as published in the combination *Anas sponsa* (specific name of type species of *Aix* Boie, 1828) (Name No. 953);
- (5) *arvensis* Linnaeus, 1758, as published in the combination *Alauda arvensis* (specific name of type species of *Alauda* Linnaeus, 1758) (Name No. 954);
- (6) *narina* Stephens, 1815, as published in the combination *Trogon narina* (specific name of type species of *Apaloderma* Swainson, 1833) (Name No. 955);
- (7) *patagonica* Miller, 1778, as published in the combination *Aptenodytes patagonica* (specific name of type species of *Aptenodytes* Miller, 1778) (Name No. 956);
- (8) *australis* Shaw, 1813, as published in the combination *Apteryx australis* (specific name of type species of *Apteryx* Shaw, 1813) (Name No. 957);
- (9) *scolopacea* Gmelin, 1788, as published in the combination *Ardea scolopacea* (specific name of type species of *Aramus* Vieillot, 1816) (Name No. 958);
- (10) *cinerea* Linnaeus, 1758, as published in the combination *Ardea cinerea* (specific name of type species of *Ardea* Linnaeus, 1758) (Name No. 959);
- (11) *nigra* Gmelin, 1788, as published in the combination *Paradisea* [sic] *nigra* (specific name of type species of *Astrapia* Vieillot, 1816) (Name No. 960);
- (12) *sulcatus* Swainson, 1820, as published in the combination *Pteroglossus sulcatus* (specific name of type species of *Aulacorhynchus* Gould, 1834) (Name No. 961);

- (13) *auritus* Gray (J.E.), 1829, as published in the combination *Podargus auritus* (specific name of type species of *Batrachostomus* Gould, 1838) (Name No. 962);
- (14) *pyrrhopterus* Latham, 1801, as published in the combination *Psittacus pyrrhopterus* (specific name of type species of *Brotogeris* Vigors, 1825) (Name No. 963);
- (15) *moschata* Linnaeus, 1758, as published in the combination *Anas moschata* (specific name of type species of *Cairina* Fleming, 1822) (Name No. 964);
- (16) *niger* Müller (P.L.S.), [1776], as published in the combination *Bucco niger* (specific name of type species of *Capito Vieillot*, 1816) (Name No. 965);
- (17) *aura* Linnaeus, 1758, as published in the combination *Vultur aura* (specific name of type species of *Cathartes* Illiger, 1811) (Name No. 966);
- (18) *urophasianus* Bonaparte, 1827, as published in the combination *Tetrao urophasianus* (specific name of type species of *Centrocercus* Swainson, 1832) (Name No. 967);
- (19) *ornatus* Geoffroy, 1809, as published in the combination *Cephalopterus ornatus* (specific name of type species of *Cephalopterus* Geoffroy, 1809) (Name No. 968);
- (20) *novae-hollandiae* Latham, 1801, as published in the combination *Cereopsis novae-hollandiae* (specific name of type species of *Cereopsis* Latham, 1801) (Name No. 969);
- (21) *chavaria* Linnaeus, 1766, as published in the combination *Parra chavaria* (specific name of type species of *Chauna* Illiger, 1811) (Name No. 970);



- (22) *pictus* Linnaeus, 1758, as published in the combination *Phasianus pictus* (specific name of type species of *Chrysolophus* Gray (J.E.), [1833—34]) (Name No. 971);
- (23) *regia* Linnaeus, 1758, as published in the combination *Paradisaea regia* (specific name of type species of *Cicinnurus* Vieillot, 1816) (Name No. 972);
- (24) *glandarius* Linnaeus, 1758, as published in the combination *Cuculus glandarius* (specific name of type species of *Clamator* Kaup, 1829) (Name No. 973);
- (25) *americanus* Linnaeus, 1758, as published in the combination *Cuculus americanus* (specific name of type species of *Coccyzus* Vieillot, 1816) (Name No. 974);
- (26) *flaveola* Linnaeus, 1758, as published in the combination *Certhia flaveola* (specific name of type species of *Coereba* Vieillot, 1807) (Name No. 975);
- (27) *auratus* Linnaeus, 1758, as published in the combination *Cuculus auratus* (specific name of type species of *Colaptes* Swainson, 1825) (Name No. 976);
- (28) *ani* Linnaeus, 1758, as published in the combination *Crotophaga ani* (specific name of type species of *Crotophaga* Linnaeus, 1758) (Name No. 977);
- (29) *exulans* Linnaeus, 1758, as published in the combination *Diomedea exulans* (specific name of type species of *Diomedea* Linnaeus, 1758) (Name No. 978);
- (30) *ardeola* Paykull, 1805, as published in the combination *Dromas ardeola* (specific name of type species of *Dromas* Paykull, 1805) (Name No. 979);

- (31) *garzetta* Linnaeus, 1766, as published in the combination *Ardea garzetta* (specific name of type species of *Egretta* Forster, 1817) (Name No. 980);
- (32) *javanicus* Horsfield, 1821, as published in the combination *Eurylaimus javanicus* (specific name of type species of *Eurylaimus* Horsfield, 1821) (Name No. 981);
- (33) *helias* Pallas, 1781, as published in the combination *Ardea helias* (specific name of type species of *Eurypyga* Illiger, 1811) (Name No. 982);
- (34) *glacialis* Linnaeus, 1761, as published in the combination *Procellaria glacialis* (specific name of type species of *Fulmarus* Stephens, 1826) (Name No. 983);
- (35) *swainsonii* Vigors, 1825, as published in the combination *Gampsonyx swainsonii* (specific name of type species of *Gampsonyx* Vigors, 1825) (Name No. 984);
- (36) *ostralegus* Linnaeus, 1758, as published in the combination *Haematopus ostralegus* (specific name of type species of *Haematopus* Linnaeus, 1758) (Name No. 985);
- (37) *struthersii* Vigors, [1832], as published in the combination *Ibidorhyncha struthersii* (specific name of type species of *Ibidorhyncha* Vigors, [1832]) (Name No. 986);
- (38) *torquilla* Linnaeus, 1758, as published in the combination *Jynx torquilla* (specific name of type species of *Jynx* Linnaeus, 1758) (Name No. 987);
- (39) *excubitor* Linnaeus, 1758, as published in the combination *Lanius excubitor* (specific name of type species of *Lanius* Linnaeus, 1758) (Name No. 988);

- (40) *violacea* Isert, 1789, as published in the combination *Musophaga violacea* (specific name of type species of *Musophaga* Isert, 1789) (Name No. 989);
- (41) *mantellii* Owen, 1848, as published in the combination *Notornis mantellii* (specific name of type species of *Notornis* Owen, 1848) (Name No. 990);
- (42) *meleagris* Linnaeus, 1758, as published in the combination *Phasianus meleagris* (specific name of type species of *Numida* Linnaeus, 1764) (Name No. 991);
- (43) *pectoralis* Latham, 1801, as published in the combination *Muscicapa pectoralis* (specific name of type species of *Pachycephala* Vigors, 1825) (Name No. 992);
- (44) *sefilata* Forster, 1781, as published in the combination *Paradisea* [sic] *sefilata* (specific name of type species of *Parotia* Vieillot, 1816) (Name No. 993);
- (45) *major* Linnaeus, 1758, as published in the combination *Parus major* (specific name of type species of *Parus* Linnaeus, 1758) (Name No. 994);
- (46) *aethereus* Linnaeus, 1758, as published in the combination *Phaethon aethereus* (specific name of type species of *Phaethon* Linnaeus, 1758) (Name No. 995);
- (47) *mocinno* de la Llave, 1832, as published in the combination *Pharomachrus mocinno* (specific name of type species of *Pharomachrus* de la Llave, 1832) (Name No. 996);
- (48) *ruber* Linnaeus, 1758, as published in the combination *Phoenicopterus ruber* (specific name of type species of *Phoenicopterus* Linnaeus, 1758) (Name No. 997);



- (49) *leucorodia* Linnaeus, 1758, as published in the combination *Platalea leucorodia* (specific name of type species of *Platalea* Linnaeus, 1758) (Name No. 998);
- (50) *porzana* Linnaeus, 1766, as published in the combination *Rallus porzana* (specific name of type species of *Porzana* Vieillot, 1816) (Name No. 999);
- (51) *erithacus* Linnaeus, 1758, as published in the combination *Psittacus erithacus* (specific name of type species of *Psittacus* Linnaeus, 1758) (Name No. 1000);
- (52) *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans* (specific name of type species of *Psophia* Linnaeus, 1758) (Name No. 1001);
- (53) *aracari* Linnaeus, 1758, as published in the combination *Ramphastos aracari* (specific name of type species of *Pteroglossus* Illiger, 1811) (Name No. 1002);
- (54) *paradiseus* Swainson, 1825, as published in the combination *Ptiloris paradiseus* (specific name of type species of *Ptiloris* Swainson, 1825) (Name No. 1003);
- (55) *aquaticus* Linnaeus, 1758, as published in the combination *Rallus aquaticus* (specific name of type species of *Rallus* Linnaeus, 1758) (Name No. 1004);
- (56) *avosetta* Linnaeus, 1758, as published in the combination *Recurvirostra avosetta* (specific name of type species of *Recurvirostra* Linnaeus, 1758) (Name No. 1005);

- (57) *chrysocephala* Lewin, 1808, as published in the combination *Meliphaga chrysocephala* (specific name of type species of *Sericulus* Swainson, 1825) (Name No. 1006);
- (58) *europaea* Linnaeus, 1758, as published in the combination *Sitta europaea* (specific name of type species of *Sitta* Linnaeus, 1758) (Name No. 1007);
- (59) *abdimii* Lichtenstein, 1823, as published in the combination *Ciconia abdimii* (specific name of type species of *Sphenorynchus* Lichtenstein, 1823) (Name No. 1008);
- (60) *habroptilus* Gray (G.R.), 1845, as published in the combination *Strigops habroptilus* (specific name of type species of *Strigops* Gray (G.R.), 1845) (Name No. 1009);
- (61) *magna* Linnaeus, 1758, as published in the combination *Alauda magna* (specific name of type species of *Sturnella* Vieillot, 1816) (Name No. 1010);
- (62) *vulgaris* Linnaeus, 1758, as published in the combination *Sturnus vulgaris* (specific name of type species of *Sturnus* Linnaeus, 1758) (Name No. 1011);
- (63) *paradoxa* Pallas, 1773, as published in the combination *Tetrao paradoxa* (specific name of type species of *Syrrhaptes* Illiger, 1811) (Name No. 1012);
- (64) *rufa* Boddaert, 1783, as published in the combination *Tanagra rufa* (specific name of type species of *Tachyphonus* Vieillot, 1816) (Name No. 1013);
- (65) *doliatus* Linnaeus, 1764, as published in the combination *Lanius doliatus* (specific name of type species of *Thamnophilus* Vieillot, 1816) (Name No. 1014);

(66) *chimaera* Rothschild, 1895, as published in the combination *Uratelornis chimaera* (specific name of type species of *Uratelornis* Rothschild, 1895) (Name No. 1015).

(2) It is hereby ruled that under the provisions of *Declaration* 21 the type species of each of the under-mentioned nominal genera is the nominal species specified below, that nominal species being objectively identical with the later-established nominal species cited by the author of the generic name concerned :—

(1) The type species of *Coturnix* Bonnaterre, 1790, is *Tetrao coturnix* Linnaeus, 1758, and not the later-established nominal species *Coturnix communis* Bonnaterre, 1791.

(2) The type of *Eurynorhynchus* Nilsson, 1821, is *Platalea pygmaea* Linnaeus, 1758, and not the later-established nominal species *Eurynorhynchus griseus* Nilsson, 1821.

(3) The type species of *Heliornis* Bonnaterre, 1790, is *Colymbus fulica* Boddaert, 1783, and not the later-established nominal species *Heliornis fulicarius* Bonnaterre, 1790.

(4) The type species of *Manucodia* Boddaert, 1783, is *Paradisea* [sic] *chalybata* Forster, 1781, and not the later-established nominal species *Manucodia chalybea* Boddert, 1783.

(5) The type species of *Oriolus* Linnaeus, 1766, is *Coracias oriolus* Linnaeus, 1758, and not the later-established nominal species *Oriolus galbula* Linnaeus, 1766.

(6) The type species of *Pandion* Savigny, 1809, is *Falco haliaetus* Linnaeus, 1758, and not the later-established nominal species *Pandion fluvialis* Savigny, 1809.



- (7) The type species of *Polyplectron* Temminck, 1807, is *Pavo bicalcaratus* Linnaeus, 1758, and not the later-established nominal species *Polyplectron argus* Temminck, 1807.

(3) The under-mentioned specific names, each of which is the name of a nominal species which, as specified in (2) above, is, under *Declaration 21*, the type species of a genus in the Class Aves, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in *Opinion 67*, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified against the names in question:—

- (1) *coturnix* Linnaeus, 1758, as published in the combination *Tetrao coturnix* (specific name of type species of *Coturnix* Bonnaterre, 1790) (Name No. 1016);
- (2) *pygmaea* Linnaeus, 1758, as published in the combination *Platalea pygmaea* (specific name of type species of *Eurynorhynchus* Nilsson, 1821) (Name No. 1017);
- (3) *fulica* Boddaert, 1783, as published in the combination *Colymbus fulica* (specific name of type species of *Heliornis* Bonnaterre, 1790) (Name No. 1018);
- (4) *chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata* (specific name of type species of *Manucodia* Boddaert, 1783) (Name No. 1019);
- (5) *oriolus* Linnaeus, 1758, as published in the combination *Coracias oriolus* (specific name of type species of *Oriolus* Linnaeus, 1766) (Name No. 1020);
- (6) *haliaetus* Linnaeus, 1758, as published in the combination *Falco haliaetus* (specific name of type species of *Pandion* Savigny, 1809) (Name No. 1021);

- (7) *bicalcaratus* Linnaeus, 1758, as published in the combination *Pavo bicalcaratus* (specific name of type species of *Polyplectron* Temminck, 1807) (Name No. 1022).

(4) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below:—

- (1) *tiphia* Linnaeus, 1758, as published in the combination *Motacilla tiphia* (Name No. 1023);
- (2) *cristatus* Shaw in White, [August] 1790, as published in the combination *Caprimulgus cristatus* (Name No. 1024);
- (3) *nitidus* Latham, 1790, as published in the combination *Falco nitidus* (Name No. 1025);
- (4) *caeruleus* Desfontaines, [1789], as published in the combination *Falco caeruleus* (Name No. 1026);
- (5) *cristata* Pallas, 1764, as published in the combination *Columba cristata* (Name No. 1027);
- (6) *albicilla* Linnaeus, 1758, as published in the combination *Falco albicilla* (Name No. 1028);
- (7) *indus* Boddaert, 1783, as published in the combination *Falco indus* (Name No. 1029);
- (8) *militaris* Linnaeus, 1758, as published in the combination *Emberiza militaris* (Name No. 1030);
- (9) *hoazin* Müller (P.L.S.), [1776], as published in the combination *Phasianus hoazin* (Name No. 1031);
- (10) *wallicus* Kerr, 1792, as published in the combination *Psittacus wallicus* (Name No. 1032);



- (11) *elegans* Gmelin (J.F.), 1788, as published in the combination *Psittacus elegans* (Name No. 1033);
- (12) *nigricephala* Jameson, 1835, as published in the combination *Tanagra nigricephala* (Name No. 1034).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific name of the type species of each genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936, be inscribed on the *Official List of Specific Names in Zoology* except where that name is not the oldest available name for the species concerned, in which case the oldest available name, whatever it may be, shall be so inscribed. The present *Direction*, which is the third dealing with this group of cases, is concerned with the specific names of the type genera of birds. The total number of such names placed on the *Official List* during the foregoing period amounted to one hundred and three. Of these the specific names of the type species of four genera (*Campephaga* ; *Colluricincla* ; *Neophron* ; *Struthio*)<sup>1</sup> have been placed on the *Official List* in *Opinions* in which these names arose incidentally, the opportunity so presented being taken to comply with the General Directive referred to above. In five cases (*Balaeniceps* ; *Burhinus* ; *Ectopistes* ; *Gallinago* ; *Oedicnemus*)<sup>1</sup> it was found necessary to submit separate proposals to the Commission and in the *Directions* rendered by the Commission in these cases the specific names of the type species of the genera concerned were placed on the *Official List*. In addition there are cases pending regarding the following nine generic names placed on the *Official List* in the period up to the end of 1936 : *Anas* ; *Bubo* ; *Circaetus* ; *Grus*<sup>1</sup> ; *Gypaetus* ; *Nyctea* ; *Surnia* ; *Trichoglossus* ; *Vireo*)<sup>1</sup>. In these cases also it has been considered that the question of the

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<sup>1</sup> Particulars of the action already taken or now in hand in regard to these generic names are given in the Appendix attached to the present *Direction*.



action to be taken to comply with the General Directive here under discussion can most conveniently be deferred until decisions are taken by the Commission in regard to the other problems arising in connection with these names. When account is taken of the foregoing exceptions there remain eighty-five names which require to be considered in connection with the General Directive issued by the Paris Congress. An examination of these cases shows that in sixty-six cases the name cited for the type species of the genus concerned by the original author of the generic name is the oldest available name for that species. In seven other cases the name cited by the author of the generic name is a junior objective synonym of another name and in these cases it is the senior objective synonym which under *Declaration* 21 becomes the name of the type species and the name which, as the oldest available name, requires to be placed on the *Official List of Specific Names in Zoology*. In the remaining twelve cases the specific name of the type species of the genus concerned is a junior subjective synonym of some older name. In these cases it is the specific name which is the senior subjective synonym and not the specific name of the type species itself which requires to be placed on the *Official List*. The decisions taken by the Commission in regard to each of the foregoing classes of case are dealt with in the present *Direction*.

2. The proposals which formed the basis of the decisions embodied in the present *Direction* were submitted to the Commission by the Secretary in the following paper on 12th October 1955 :—

**Proposed addition to the “ Official List of Specific Names in Zoology ”  
of the specific names of the type species of seventy-five genera in the  
Class Aves, the names of which were placed on the “ Official  
List of Generic Names in Zoology ” in the period up to  
the end of 1936 and of twelve specific names of which  
are currently treated as senior subjective synonyms  
of the names of type species of such genera**

By FRANCIS HEMMING, C.M.G., C.B.E.  
(*Secretary to the International Commission on Zoological Nomenclature*)

The purpose of the present paper is to lay recommendations before the International Commission to enable it to comply, so far as concerns names of species in the Class Aves, with the General Directive issued

to it by the Thirteenth International Congress of Zoology, Paris, 1948. By this Directive the Commission is required to place on the *Official List of Specific Names in Zoology* the specific name of the type species of every genus, the name of which had been placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, except where that name is not the oldest available name for the taxon concerned, in which case the oldest available name, whatever it may be, is to be placed on that *Official List*. The present is the third instalment of proposals submitted in compliance with the foregoing Directive, the previous instalments being concerned with the names of mammals and Decapod Crustacea respectively.<sup>2</sup>

2. In compiling the present proposals, I have, as on the previous occasions referred to above, consulted modern catalogues, checklists and monographs for the purpose of ascertaining the present practice of specialists in regard to the names which have now to be considered. Fortunately, this task was less difficult than in some of the other groups which it has been necessary to consider, for, owing to the popularity of ornithology, the number of modern and reliable works of the kind required is relatively large. The bulk of the work involved in the preparation of the proposals now submitted was carried out a number of years ago and I was fortunate in being able to draw for advice on the wide knowledge and sound judgement of my friend and colleague the late Dr. James L. Peters. In a number of cases which we had discussed together in this way I later received most valuable confirmatory advice from Colonel Richard Meinertzhagen, at that time the Chairman of the Standing Committee on Ornithological Nomenclature established in 1950 by the International Congress of Ornithology.

3. The total number of names of genera of birds placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 was one hundred and three. As regards five of these names it has been found necessary for one reason or another to seek further directions from the Commission, and in each case the opportunity was taken to place the name of the type species of the genus concerned on the *Official List of Specific Names in Zoology*. The names were: (i) *Ectopistes* (*Bull. zool. Nomencl.* 9 : 80—84); (ii) *Gallinago* (*Bull.* 9 : 93); (iii) *Balaeniceps* (*Bull.* 9 : 85—86); (iv) and (v) *Oedienemus* and *Burhinus* (*Bull.* 9 : 86—88). In the case of *Ectopistes* and *Balaeniceps*, the decisions by the Commission have already been

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<sup>2</sup> The proposals here referred to were submitted to the Commission with Voting Papers V.P.(O.M.)(55)9 and V.P.(O.M.)(55)27 respectively. Decisions regarding these proposals have since been taken by the Commission and embodied in *Direction* 22 in the case of V.P.(O.M.)(55)9 and in *Direction* 36 in the case of V.P.(O.M.)(55)27.



announced (in *Directions* 18 and 19 respectively), and decisions on the remaining names will be announced at an early date.<sup>3</sup> In three additional cases, applications submitted to the Commission included proposals for the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of genera, the names of which were placed on the *Official List of Generic Names in Zoology* in the period under review. The names concerned were: (a) *Campephaga* (Bull. 9 : 32—33); (b) *Colluricincla* (Bull. 9 : 50—51); (c) *Struthio* (Bull. 9 : 96—97).<sup>3</sup> Altogether, therefore, the question of the addition to the *Official List* of the specific names of the type species of the genera with which we are here concerned is being dealt with separately in eight cases. Thus, the number of names to be considered on the present occasion is reduced to ninety-five.

4. We have first to note that as regards the names of the type species of eight of these genera it is not possible at the moment to submit recommendations to the Commission. The difficulties involved arise from a diversity of causes: (1) and (2) In the case of the nominal genera *Bubo* and *Surnia* it is not clear what was the first occasion on which nominal species were cited in connection with them; (3) *Gypaetus* is commonly stated to be monotypical but it is doubtful whether or not this is correct; (4) In the case of *Trichoglossus* the nominal species currently accepted as the type species was not included in the genus at the time when this name was first published; (5) The name *Grus* is commonly attributed to the wrong author and date.<sup>3</sup> Moreover, as from the date from which this name is currently accepted the species treated as the type species was not an included species; (6) In the case of *Anas* there is an unresolved doubt as to what is the correct name for its type species; (7) The next name is *Nyctea* where it has been impossible so far to trace where in the literature a first reviser selected the name currently used for the type species in preference to another name published in the same book; (8) In the case of *Vireo* it has not yet been found possible to trace a valid selection for its type species, the currently accepted selection being invalid, as it was the selection of a nominal species which, though currently identified subjectively with one of the included species, was not itself an included species. In all these cases investigations are proceeding in conjunction with interested specialists and proposals will be submitted to the Commission as soon as the factual position in regard to these names has been established. The postponement of these cases reduces the number of names with which it is possible to deal on the present occasion to eighty-seven.<sup>4</sup>

5. In sixty-eight cases the specific name of the type species of the genus concerned is not only an objectively available name but is also

<sup>3</sup> Particulars of the action since taken in regard to these names are given in the Appendix attached to the present *Direction*.

<sup>4</sup> The proposals submitted in regard to two names were later withdrawn by the Minute reproduced in paragraph 5 of the present *Direction*. It is for this reason that the number of names dealt with in the present *Direction* amounts only to eighty-five.



the name which is accepted by all authorities as the oldest available name for the species concerned. These names are enumerated in Annexe 1. It is recommended that, in compliance with the General Directive relating to the maintenance of the *Official Lists* issued to the Commission by the International Congress of Zoology, these names be now placed on the *Official List of Specific Names in Zoology*.

6. In the application submitted to the Commission which later became the basis of the Ruling given in its *Opinion* 67, the applicants added indications in a number of cases making it clear that, in their opinion, the specific name of the type species was a junior subjective synonym of some other species. In most of the cases concerned the synonymies so established have stood the test of time and are currently accepted by ornithologists. In two cases, however, the synonymies established by the applicants are no longer considered to be correct. The names concerned are: (i) *Elanus* Savigny, 1809: The type species of this genus is the nominal species *Elanus caesius* Savigny, 1809. In *Opinion* 67 the name *caesius* was treated as a junior subjective synonym of *melanopterus* Daudin (*Falco melanopterus* Daudin, 1800). Currently, however, it is sunk as a junior subjective synonym of the older name *caeruleus* Desfontaines (*Falco caeruleus* Desfontaines, 1789). (ii) *Pezoporus* Illiger, 1811: The type species of this genus is *Psittacus formosus* Latham, 1790, which is invalid, as being a junior homonym of *Psittacus formosus* Scopoli, 1769. In *Opinion* 67 the oldest name subjectively available for this species was stated to be *Psittacus terrestris* Shaw, 1793. It is now considered that the oldest available name is *Psittacus wallicus* Kerr, 1792.

7. In twelve cases the specific name of the type species concerned is an objectively available name but is regarded by all authorities as being a junior subjective synonym of some other name. Particulars of these cases are given in Annexe 2. It is recommended that, in compliance with the General Directive relating to the maintenance of the *Official Lists* issued to the Commission by the International Congress of Zoology, the twelve senior subjective synonyms concerned be placed on the *Official List of Specific Names in Zoology*.

8. A different problem is involved with the last seven of the names to be considered. In each of these cases the specific name used for the type species by the original author of the generic name is a junior objective (and therefore invalid) synonym of the name of a previously established nominal species. In consequence the nominal species to be accepted as the type species of each of these genera will depend upon the decision to be taken by the Commission on the proposal Z.N.(S.) 908, now before it, for the adoption of a *Declaration* prescribing the nominal species to be accepted as the type species of a genus in such a case (Hemming, 1955, *Bull. zool. Nomencl.* **11** : 112—113).<sup>5</sup> Under the proposals so submitted, the nominal species to be

<sup>5</sup> The application here referred to has since been approved by the International Commission and has been embodied in *Declaration* 21 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* **12** : i—viii).

treated as the type species of the genus concerned would be not the species cited by the author of the generic name but the older nominal species which is objectively identical with it. The situation discussed above arises only where the nominal species, which, under the present rules, is the type species of a genus, was established as a direct substitute for a previously established nominal species and where, in consequence, the two nominal species are objectively identical with one another, each having the same specimen as its type specimen. This situation was illustrated in the application referred to above by the case of *Homarus* Weber, 1795, the type species of which is, under the existing rules, *Astacus marinus* Fabricius, 1775. When publishing this name, Fabricius did not, however, describe a new species, but deliberately gave a new name for (*nom. nov. pro*) the nominal species *Cancer gammarus* Linnaeus, 1758. Thus, the nominal species bearing the names *A. marinus* Fabricius and *C. gammarus* Linnaeus are objectively identical with one another, the specific name *gammarus* Linnaeus being the valid name for the taxon concerned and *marinus* Fabricius being no more than an invalid (because junior) objective synonym of *gammarus* Linnaeus. The object of the suggested *Declaration*<sup>6</sup> referred to above is to weed out these junior objective synonyms in favour of the corresponding senior objective synonyms, thus making it possible to cite as the type species of the genus concerned the nominal species bearing the name which is the valid (senior) synonym (in the case cited above, the well-known name *gammarus* Linnaeus) instead of the invalid (junior) objective synonym (in the case cited above, the invalid name *marinus* Fabricius, which is totally unknown, except to specialists familiar with the old literature).

9. The seven names here involved are the following: *Coturnix* Bonnaterre, 1790; *Eurynorhynchus* Nilsson, 1821; *Heliornis* Bonnaterre, 1790; *Manucodia* Boddaert, 1783; *Oriolus* Linnaeus, 1766; *Pandion* Savigny, 1809; *Polyplectron* Temminck, 1807. Full particulars of these cases are given in Section A of Annexe 3. In dealing with these names for the purpose of preparing the present application, it has been necessary in each case to make a working assumption on the question as to which of the two objectively identical nominal species should be treated as the type species of the genus concerned. The assumption which has been adopted is that the Commission will approve the adoption of the *Declaration* discussed above<sup>6</sup> and therefore that, for these seven genera, the type species will be the nominal species bearing the older of the two objectively synonymous names. In each case the senior objective synonym is an available name and is regarded by specialists as the oldest such name for the species concerned. The names concerned are shown in Column (2) of Section B of Annexe 3. In the same Section of that Annexe there are given in Column (3) the names which are junior objective synonyms of the names shown in Column (2). If the *Declaration* discussed in paragraph 8 above is adopted by the Commission, the names shown in Column

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<sup>6</sup> See footnote 5.



(2) will be the names of the type species of the genera concerned, while if the Commission decides against that course, the names shown in Column (3) will be the names of the type species of the genera concerned. Irrespective of the action to be taken by the Commission in the matter of the above *Declaration*,<sup>7</sup> the senior synonyms referred to above will, under the General Directive mentioned in paragraphs 5 and 7, need to be placed on the *Official List of Specific Names in Zoology*. If the above *Declaration* is adopted,<sup>7</sup> these names will need to be associated with the names enumerated in Annexe 1 (specific names of type species), while, if that *Declaration* is not adopted, these names will need to be associated with the names enumerated in Annexe 2 (specific names of nominal species either subjectively or objectively identified with later established nominal species which are type species).

10. In the light of the considerations advanced in the preceding paragraphs, I recommend that, in compliance with the General Directive relating to the maintenance of the *Official Lists* issued by the Thirteenth International Congress of Zoology, the Commission should :—

(a) place on the *Official List of Specific Names in Zoology* :—

- (i) the sixty-eight specific names enumerated in Col. (1) of Annexe 1, each of which is the type species of the genus shown in the corresponding entry in Col. (3) of the said Annexe (paragraph 5) ;
- (ii) the twelve specific names enumerated in Col. (1) of Annexe 2, each of which is the specific name of a nominal species which is currently subjectively identified with the later established nominal species which is the type species of the genus specified in the corresponding entry in Col. (2) of the said Annexe (paragraph 7) ;

(b) place on the foregoing *Official List* the seven specific names enumerated in Section C of Annexe 3, these names to be so placed :—

- (i) as the names of the type species of the nominal genera specified in the said Section, in the event of the prior adoption by the Commission of the *Declaration* recommended in Application Z.N.(S.) 908<sup>7</sup> ;
- (ii) as the names of nominal species which are objectively identical with the later established nominal species which are severally the type species of the genera referred to in (i) above, in the event of the non-adoption by the Commission of the *Declaration* referred to above.

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<sup>7</sup> For particulars of the action subsequently taken by the International Commission in this matter see Footnote 5.



## ANNEXE 1

**Proposed addition to the " Official List of Specific Names in Zoology "**  
**of the specific names of the type species of sixty-eight nominal**  
**genera, the names of which were placed on the " Official**  
**List of Generic Names in Zoology " in the period up to**  
**the end of 1936**

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. (1) was originally published</i>	<i>Name of genus of which species specified in Col. (1) is the type species</i>
(1)	(2)	(3)
<i>Opinion 67</i>		
<i>vulturina</i> Hardwicke, 1834	<i>Numida vulturina</i>	<i>Acryllium</i> Gray, 1840
<i>occidentalis</i> Lawrence, 1858	<i>Podiceps occidentalis</i>	<i>Aechmophorus</i> Coues, 1862
<i>maximus</i> Geoffroy, 1850	<i>Aepyornis maximus</i>	<i>Aepyornis</i> Geoffroy, 1850
<i>sponsa</i> Linnaeus, 1758	<i>Anas sponsa</i>	<i>Aix</i> Boie, 1828
<i>arvensis</i> Linnaeus, 1758	<i>Alauda arvensis</i>	<i>Alauda</i> Linnaeus, 1758
<i>narina</i> Stephens, 1815	<i>Trogon narina</i>	<i>Apaloderma</i> Swainson, 1833
<i>patagonica</i> Miller, 1778	<i>Aptenodytes patagonica</i>	<i>Aptenodytes</i> Miller, 1778
<i>australis</i> Shaw, 1813	<i>Apteryx australis</i>	<i>Apteryx</i> Shaw, 1813
<i>scolopacea</i> Gmelin, 1788	<i>Ardea scolopacea</i>	<i>Aramus</i> Vieillot, 1816
<i>cinerea</i> Linnaeus, 1758	<i>Ardea cinerea</i>	<i>Ardea</i> Linnaeus, 1758
<i>nigra</i> Gmelin, 1788	<i>Paradisea [sic] nigra</i>	<i>Astrapia</i> Vieillot, 1816
<i>sulcatus</i> Swainson, 1820	<i>Pteroglossus sulcatus</i>	<i>Aulacorhynchus</i> Gould, 1834
<i>auritus</i> Gray, 1829	<i>Podargus auritus</i>	<i>Batrachostomus</i> Gould, 1838
<i>pyrrhopterus</i> Latham, 1801	<i>Psittacus pyrrhopterus</i>	<i>Brotogeris</i> Vigors, 1825
<i>moschata</i> Linnaeus, 1758	<i>Anas moschata</i>	<i>Cairina</i> Fleming, 1822

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Combination in which name specified in Col. (1) was originally published</i>	<i>Name of genus of which species specified in Col. (1) is the type species</i>
(1)	(2)	(3)
<i>niger</i> Müller (P.L.S.), [1776]	<i>Bucco niger</i>	<i>Capito</i> Vieillot, 1816
<i>aura</i> Linnaeus, 1758	<i>Vultur aura</i>	<i>Cathartes</i> Illiger, 1811
<i>urophasianus</i> Bonaparte, 1827	<i>Tetrao urophasianus</i>	<i>Centrocercus</i> Swainson, 1832
<i>ornatus</i> Geoffroy, 1809	<i>Cephalopterus ornatus</i>	<i>Cephalopterus</i> Geoffroy, 1809
<i>novaehollandiae</i> Latham, 1801	<i>Cereopsis novae-hollandiae</i>	<i>Cereopsis</i> Latham, 1801
<i>chavaria</i> Linnaeus, 1766	<i>Parra chavaria</i>	<i>Chauna</i> Illiger, 1811
<i>pictus</i> Linnaeus, 1758	<i>Phasianus pictus</i>	<i>Chrysolophus</i> Gray (J.E.), [1833-34]
<i>regia</i> Linnaeus, 1758	<i>Paradisaea regia</i>	<i>Cicinnurus</i> Vieillot, 1816
<i>gallicus</i> Gmelin, 1788	<i>Falco gallicus</i>	<i>Circaetus</i> Vieillot, 1816
<i>glandarius</i> Linnaeus, 1758	<i>Cuculus glandarius</i>	<i>Clamator</i> Kaup, 1829
<i>americanus</i> Linnaeus, 1758	<i>Cuculus americanus</i>	<i>Coccyzus</i> Vieillot, 1816
<i>flaveola</i> Linnaeus, 1758	<i>Certhia flaveola</i>	<i>Coereba</i> Vieillot, 1807
<i>auratus</i> Linnaeus, 1758	<i>Cuculus auratus</i>	<i>Colaptes</i> Swainson, 1825
<i>ani</i> Linnaeus, 1758	<i>Crotophaga ani</i>	<i>Crotophaga</i> Linnaeus, 1758
<i>exulans</i> Linnaeus, 1758	<i>Diomedea exulans</i>	<i>Diomedea</i> Linnaeus, 1758
<i>ardeola</i> Paykull, 1805	<i>Dromas ardeola</i>	<i>Dromas</i> Paykull, 1805
<i>garzetta</i> Linnaeus, 1766	<i>Ardea garzetta</i>	<i>Egretta</i> Forster, 1817

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. (1) was originally published</i>	<i>Name of genus of which species specified in Col. (1) is the type species</i>
(1)	(2)	(3)
<i>javanicus</i> Horsfield, 1821	<i>Eurylaimus javanicus</i>	<i>Eurylaimus</i> Horsfield, 1821
<i>helias</i> Pallas, 1781	<i>Ardea helias</i>	<i>Eurypyga</i> Illiger, 1811
<i>glacialis</i> Linnaeus, 1761	<i>Procellaria glacialis</i>	<i>Fulmarus</i> Stephens, 1826
<i>swainsonii</i> Vigors, 1825	<i>Gampsonyx swainsonii</i>	<i>Gampsonyx</i> Vigors, 1825
<i>ostralegus</i> Linnaeus, 1758	<i>Haematopus ostralegus</i>	<i>Haematopus</i> Linnaeus, 1758
<i>struthersii</i> Vigors, [1832]	<i>Ibidorhyncha struthersii</i>	<i>Ibidorhyncha</i> Vigors, [1832]
<i>torquilla</i> Linnaeus, 1758	<i>Jynx torquilla</i>	<i>Jynx</i> Linnaeus, 1758
<i>excubitor</i> Linnaeus, 1758	<i>Lanius excubitor</i>	<i>Lanius</i> Linnaeus, 1758
<i>violacea</i> Isert, 1789	<i>Musophaga violacea</i>	<i>Musophaga</i> Isert, 1789
<i>percnopterus</i> Linnaeus, 1758	<i>Vultur perenopterus</i>	<i>Neophron</i> Savigny, 1809
<i>mantellii</i> Owen, 1848	<i>Notornis mantellii</i>	<i>Notornis</i> Owen, 1848
<i>meleagris</i> Linnaeus, 1758	<i>Phasianus meleagris</i>	<i>Numida</i> Linnaeus, 1764
<i>pectoralis</i> Latham, 1801	<i>Muscicapa pectoralis</i>	<i>Pachycephala</i> Vigors, 1825
<i>sefilata</i> Forster, 1781	<i>Paradisea</i> [sic] <i>sefilata</i>	<i>Parotia</i> Vieillot, 1816
<i>major</i> Linnaeus, 1758	<i>Parus major</i>	<i>Parus</i> Linnaeus, 1758
<i>aethereus</i> Linnaeus, 1758	<i>Phaethon aethereus</i>	<i>Phaethon</i> Linnaeus, 1758
<i>mocinno</i> de la Llave, 1832	<i>Pharomachrus mocinno.</i>	<i>Pharomachrus</i> de la Llave, 1832
<i>ruber</i> Linnaeus, 1758	<i>Phoenicopterus ruber</i>	<i>Phoenicopterus</i> Linnaeus, 1758



<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. (1) was originally published</i>	<i>Name of genus of which species specified in Col. (1) is the type species</i>
(1)	(2)	(3)
<i>leucorodia</i> Linnaeus, 1758	<i>Platalea leucorodia</i>	<i>Platalea</i> Linnaeus, 1758
<i>porzana</i> Linnaeus, 1766	<i>Rallus porzana</i>	<i>Porzana</i> Vieillot, 1816
<i>erithacus</i> Linnaeus, 1758	<i>Psittacus erithacus</i>	<i>Psittacus</i> Linnaeus, 1758
<i>crepitans</i> Linnaeus, 1758	<i>Psophia crepitans</i>	<i>Psophia</i> Linnaeus, 1758
<i>aracari</i> Linnaeus, 1758	<i>Ramphastos aracari</i>	<i>Pteroglossus</i> Illiger, 1811
<i>paradiseus</i> Swainson, 1825	<i>Ptiloris paradiseus</i>	<i>Ptiloris</i> Swainson, 1825
<i>aquaticus</i> Linnaeus, 1758	<i>Rallus aquaticus</i>	<i>Rallus</i> Linnaeus, 1758
<i>avosetta</i> Linnaeus, 1758	<i>Recurvirostra avosetta</i>	<i>Recurvirostra</i> Linnaeus, 1758
<i>chrysocephala</i> Lewin, 1808	<i>Meliphaga chrysocephala</i>	<i>Sericulus</i> Swainson, 1825
<i>europaea</i> Linnaeus, 1758	<i>Sitta europaea</i>	<i>Sitta</i> Linnaeus, 1758
<i>abdimii</i> Lichtenstein, 1823	<i>Ciconia abdimii</i>	<i>Sphenorynchus</i> Lichtenstein, 1823
<i>habroptilus</i> Gray, 1845	<i>Strigops habroptilus</i>	<i>Strigops</i> Gray, 1845
<i>magna</i> Linnaeus, 1758	<i>Alauda magna</i>	<i>Sturnella</i> Vieillot, 1816
<i>vulgaris</i> Linnaeus, 1758	<i>Sturnus vulgaris</i>	<i>Sturnus</i> Linnaeus, 1758
<i>paradoxa</i> Pallas, 1773	<i>Tetrao paradoxa</i>	<i>Syrrhaptes</i> Illiger, 1811
<i>rufa</i> Boddaert, 1783	<i>Tanagra rufa</i>	<i>Tachyphonus</i> Vieillot, 1816
<i>doliatus</i> Linnaeus, 1764	<i>Lanius doliatus</i>	<i>Thamnophilus</i> Vieillot, 1816
<i>chimaera</i> Rothschild, 1895	<i>Uratelornis chimaera</i>	<i>Uratelornis</i> Rothschild, 1895

## ANNEXE 2

**Proposed addition to the "Official List of Specific Names in Zoology" of the specific names of twelve nominal species, subjectively identified with nominal species of later date which are the type species of genera of which the names were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936**

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i> (1)	<i>Remarks</i> (not for inclusion in the entry to be made in the "Official List") (2)
<i>tiphia</i> Linnaeus, 1758, as published in the combination <i>Motacilla tiphia</i>	A senior subjective synonym of <i>leucoptera</i> Vieillot, 1807, as published in the combination <i>Sylvia leucoptera</i> , the specific name of the type species of <i>Aegithina</i> Vieillot, 1816
<i>cristatus</i> Shaw in White, 1790, as published in the combination <i>Caprimulgus cristatus</i> <sup>8</sup>	a senior subjective synonym of <i>novaehollandiae</i> Latham, 1790, as published in the combination <i>Caprimulgus novae-hollandiae</i> , the specific name of the type species of <i>Aegotheles</i> Vigors & Horsfield, 1826
<i>nitidus</i> Latham, 1790, as published in the combination <i>Falco nitidus</i>	a senior subjective synonym of <i>cinerea</i> Vieillot, 1816, as published in the combination <i>Asturia</i> [sic] <i>cinerea</i> , the specific name of the type species of <i>Asturina</i> Vieillot, 1816
<i>caeruleus</i> Desfontaines, [1789], as published in the combination <i>Falco caeruleus</i>	a senior subjective synonym of <i>caesius</i> Savigny, 1809, as published in the combination <i>Elanus caesius</i> , the specific name of the type species of <i>Elanus</i> Savigny, 1809
<i>cristata</i> Pallas, 1764, as published in the combination <i>Columba cristata</i>	a senior subjective synonym of <i>coronata</i> Linnaeus, 1766, as published in the combination <i>Columba coronata</i> , the specific name of the type species of <i>Goura</i> Stephens, 1819

<sup>8</sup> For a discussion of the relative priority of the name *Caprimulgus cristatus* Shaw in White, 1790, and of its subjective synonym *Caprimulgus novaehollandiae* Latham, 1790, see the Report by the Secretary reproduced in paragraph 9 of the present *Direction*.

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Remarks (not for inclusion in the entry to be made in the "Official List")</i>
(1)	(2)
<i>albicilla</i> Linnaeus, 1758, as published in the combination <i>Falco albicilla</i>	a senior subjective synonym of <i>nisus</i> Savigny, 1809, as published in the combination <i>Haliaeetus nisus</i> , the specific name of the type species of <i>Haliaeetus</i> Savigny, 1809
<i>indus</i> Boddaert, 1783, as published in the combination <i>Falco indus</i>	a senior subjective synonym of <i>pondicerianus</i> Gmelin, 1788, as published in the combination <i>Falco pondicerianus</i> , the specific name of the type species of <i>Haliastur</i> Selby, 1840
<i>militaris</i> Linnaeus, 1758, as published in the combination <i>Emberiza militaris</i>	a senior subjective synonym of <i>americanus</i> Gmelin, 1788, as published in the combination <i>Oriolus americanus</i> , the specific name of the type species of <i>Leistes</i> Vigors, 1825
<i>hoazin</i> Müller, [1776], as published in the combination <i>Phasianus hoazin</i>	a senior subjective synonym of <i>cristatus</i> Gmelin, 1788, as published in the combination <i>Phasianus cristatus</i> the specific name of the type species of <i>Opisthocomus</i> Illiger, 1811
<i>wallicus</i> Kerr, 1792, as published in the combination <i>Psittacus wallicus</i>	a junior subjective synonym of <i>formosus</i> Latham, 1790, as published in the combination <i>Psittacus formosus</i> , the specific name of the type species of <i>Pezoporus</i> Illiger, 1811, which is invalid because a junior primary homonym of <i>Psittacus formosus</i> Scopoli, 1769
<i>elegans</i> Gmelin, 1788, as published in the combination <i>Psittacus elegans</i>	a senior subjective synonym of <i>pennantii</i> Latham, 1790, as published in the combination <i>Psittacus pennantii</i> the specific name of the type species of <i>Platycercus</i> Vigors, 1825



<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Remarks (not for inclusion in the entry to be made in the "Official List")</i>
(1)	(2)
<i>nigricephala</i> Jameson, 1835, as published in the combination <i>Tanagra nigricephala</i>	a senior subjective synonym of <i>bilineatus</i> Jardine & Selby, 1836, as published in the combination <i>Spindalis bilineatus</i> , the specific name of the type species of <i>Spindalis</i> Jardine & Selby, 1836

## ANNEXE 3

Seven nominal genera of birds, the names of which were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936, where the author of the generic name cited the type species under a name which is a junior objective synonym of a previously published name

**Section A** :—Particulars of the circumstances in which in seven cases an author when establishing a new nominal genus of birds either cited the type species under a previously published name which was a junior objective synonym of some older name or himself gratuitously renamed the species in question

## (1) "Coturnix" Bonnaterre, 1790

Bonnaterre placed in his genus *Coturnix* a nominal species to which he gave the new name *Coturnix communis*. This name was expressly stated to be a substitute for (*nom. nov. pro*) the name *Tetrao coturnix* Linnaeus, 1758. The above is therefore the type species by absolute tautonymy under Rule (d) in Article 30. Under the proposal now submitted *Tetrao coturnix* Linnaeus and not *Coturnix communis* Bonnaterre will be the type species of *Coturnix* Bonnaterre.

## (2) "Eurynorhynchus" Nilsson, 1821

Nilsson treated this genus as being monotypical, placing in it only the nominal species to which he then gave the new name *Eurynorhynchus griseus*. Nilsson stated that this was only a substitute name for (*nom. nov. pro*) the name *Platalea pygmaea* Linnaeus, 1758. Under the present proposal *Platalea pygmaea* Linnaeus and not *Eurynorhynchus griseus* Nilsson will be the type species of the genus *Eurynorhynchus* Nilsson.

**(3) “ Heliornis ” Bonnaterre, 1790**

Bonnaterre treated this genus as monotypical, placing in it only the nominal species *Heliornis fulicarius*. In introducing this new nominal species, Bonnaterre cited two bibliographical references, of which the first was “ Buff. tom. 15.385 ”. When we turn to the passage in Boddaert’s *Tabl. Pl. enlum. Hist. nat. Daubenton* where the name *Colymbus fulica* first appears, we find that Boddaert based the nominal species so named on the same reference to Buffon (XV.385). Thus Boddaert’s *Colymbus fulica* and Bonnaterre’s later *Heliornis fulicarius* have the same passage in Buffon as their “ indication ” and are therefore objective synonyms of one another. It may be noted that Buffon dealt with this species under the French (vernacular) name “ Grèbe foulque ” and it may certainly be concluded that this name, which was quoted from Buffon by Boddaert, led the latter to select the Latin word “ fulica ” as the specific name for this species. Under the present proposals *Colymbus fulica* Boddaert and not *Heliornis fulicarius* Bonnaterre will be the type species of the genus *Heliornis* Bonnaterre.

**(4) “ Manucodia ” Boddaert, 1783**

Boddaert treated this as a monotypical genus, placing in it only the nominal species to which he gave the new name *Manucodia chalybea*. In bringing forward this name, he cited a few bibliographical references but he did not cite by name the nominal species *Paradisea* [sic] *chalybata* Forster, 1781, with which his species is currently identified. Boddaert introduced the name *Manucodia* when dealing with plate 634 in Daubenton’s *Histoire naturelle des Oiseaux*. The same plate formed the basis of Forster’s *P. chalybata*. The name *Manucodia chalybea* Bonnaterre is therefore a substitute name for (*nom. nov. pro*) the name *Paradisea* [sic] *chalybata* Forster. Accordingly, the type species of *Manucodia* Bonnaterre will, under the present proposals, be *Paradisea* [sic] *chalybata* Forster and not *Manucodia chalybea* Bonnaterre.

**(5) “ Oriolus ” Linnaeus, 1766**

Linnaeus placed in this genus a nominal species to which he gave the new name *Oriolus galbula*. This name was expressly stated to be a substitute for (*nom. nov. pro*) the name *Coracias oriolus* Linnaeus, 1758. The above is therefore the type species by absolute tautonymy under Rule (d) in Article 30. Under the proposal now submitted, *Coracias oriolus* Linnaeus and not *Oriolus galbula* Linnaeus will be the type species of *Oriolus* Linnaeus, 1766.

**(6) “ Pandion ” Savigny, 1809**

Savigny treated this genus as being monotypical, placing in it only the nominal species to which he gave the new name *Pandion fluvialis*. Savigny stated that this was a substitute name for (*nom. nov. pro*)



the name *Falco haliaetus* Linnaeus, 1758. Under the present proposal, *Falco haliaetus* Linnaeus and not *Pandion fluvialis* Savigny will be the type species of the genus *Pandion* Savigny.

### (7) "Polyplectron" Temminck, 1807

Temminck treated this genus as being monotypical, placing in it only the nominal species to which he then gave the new name *Polyplectron argus*. Temminck stated that this was a substitute name for (*nom. nov. pro*) the name *Pavo bicalcaratus* Linnaeus, 1758. Under the present proposal *Pavo bicalcaratus* Linnaeus and not *Polyplectron argus* will be the type species of the genus *Polyplectron* Temminck.

**Section B** :—Seven pairs of objectively synonymous names of which in each case the later-published name is the one used by the original author of a generic name when citing the type species of the genus

<i>The older of a pair of objectively synonymous names for the type species of the genus specified in Col. (3)</i>	<i>The later-published objective synonym of the name cited in Col. (1)</i>	<i>Name of genus, the type species of which was cited under the name specified in Col. (2) by the author of the generic name</i>
(1)	(2)	(3)
<i>Tetrao coturnix</i> Linnaeus, 1758 <i>Syst. Nat.</i> (ed. 10) 1 : 161	<i>Coturnix communis</i> Bonnaterre, 1791, <i>Ency. méth.</i> , Orn. 1 : 217	<i>Coturnix</i> Bonnaterre 1790, <i>Ency. méth.</i> , Orn. 1 : lxxxvii, 216
<i>Platalea pygmaea</i> Linnaeus, 1758, <i>Syst. Nat.</i> (ed. 10) 1 : 140	<i>Eurynorhynchus</i> <i>griseus</i> Nilsson, 1821, <i>Ornith. svec.</i> 2(1) : 29	<i>Eurynorhynchus</i> Nilsson, 1821 <i>Ornith. svec.</i> 2(1) : 29
<i>Colymbus fulica</i> Boddaert, 1783, <i>Tabl. Pl. enlum.</i> <i>Hist. nat.</i> : 54	<i>Heliornis fulicarius</i> Bonnaterre, 1790, <i>Ency. méth.</i> , Orn. 1 : 65	<i>Heliornis</i> Bonnaterre, 1790 <i>Ency. méth.</i> , Orn. 1 : lxxxiv, 64
<i>Paradisea</i> [sic] <i>chalybata</i> Forster, 1781 <i>Indische</i> <i>Zool.</i> : 40	<i>Manucodia chalybea</i> Boddaert, 1783, <i>Tabl. Pl. enlum.</i> <i>Hist. nat.</i> : 39	<i>Manucodia</i> Boddaert 1783, <i>Tabl. Pl.</i> <i>enlum. Hist. nat.</i> : 39
<i>Coracias oriolus</i> Linnaeus, 1758, <i>Syst. Nat.</i> (ed. 10) 1 : 107	<i>Oriolus galbula</i> Linnaeus, 1766, <i>Syst. Nat.</i> (ed. 12) 1(1) : 160	<i>Oriolus</i> Linnaeus 1766, <i>Syst. Nat.</i> (ed. 12) 1(1) : 160



<i>The older of a pair of objectively synonymous names for the type species of the genus specified in Col. (3)</i>	<i>The later-published objective synonym of the name cited in Col. (1)</i>	<i>Name of genus, the type species of which was cited under the name specified in Col. (2) by the author of the generic name</i>
(1)	(2)	(3)
<i>Falco haliaetus</i> Linnaeus, 1758, <i>Syst Nat.</i> (ed. 10) 1 : 91	<i>Pandion fluvialis</i> Savigny, 1809, <i>Descr. Egypte</i> 1(1) (Ois) : 96	<i>Pandion</i> Savigny, 1809, <i>Descr. Egypte</i> 1(1) (Ois) : 69, 95
<i>Pavo bicalcaratus</i> Linnaeus, 1758, <i>Syst. Nat.</i> (ed. 10) 1 : 156	<i>Polyplectron argus</i> Temminck, 1807, <i>Cat. Syst. Cab.</i> <i>Ornith.</i> : 149	<i>Polyplectron</i> Temminck, 1807, <i>Cat. syst. Cab.</i> <i>Ornith.</i> : 149

**Section C :—**Entries recommended to be made on the  
*Official List of Specific Names in Zoology*<sup>9</sup>

*coturnix* Linnaeus, 1758, as published in the combination *Tetrao coturnix* (specific name of type species of *Coturnix* Bonnaterre, 1790)

*pygmaea* Linnaeus, 1758, as published in the combination *Platalea pygmaea* (specific name of type species of *Eurynorhynchus* Nilsson, 1821)

*fulica* Boddaert, 1783, as published in the combination *Colymbus fulica* (specific name of type species of *Heliornis* Bonnaterre, 1790)

*chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata* (specific name of type species of *Manucodia* Boddaert, 1783)

*oriolus* Linnaeus, 1758, as published in the combination *Coracias oriolus* (specific name of type species of *Oriolus* Linnaeus, 1766)

*haliaetus* Linnaeus, 1758, as published in the combination *Falco haliaetus* (specific name of type species of *Pandion* Savigny, 1809)

*bicalcaratus* Linnaeus, 1758, as published in the combination *Pavo bicalcaratus* (specific name of type species of *Polyplectron* Temminck, 1807).

<sup>9</sup> The names which, as shown in Column (2) of Section B of the present Annexe, are junior objective synonyms of the names enumerated in the present Annexe have been placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* by the Ruling given in *Direction 44* (pp. 219—220 of the present volume).

**3. Registration of the present application :** Upon the receipt of Mr. Hemming's paper, the question of placing on the *Official List of Specific Names in Zoology* the specific names discussed therein was allotted the Registered Number Z.N.(S.) 993.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**4. Issue of Voting Paper V.P.(O.M.)(55)31 :** On 12th October 1955 a Voting Paper (V.P.(O.M.)(55)31) was issued in which each Member of the Commission was asked (1) to state whether he agreed that, "in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing of names on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, the names referred to in Sections (a) and (b) of paragraph 10 of the paper bearing the Registered Number Z.N.(S.) 993 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in paragraph 2 of the present *Direction*] be placed on the *Official List of Specific Names in Zoology* as there recommended and that the other action recommended in the said paragraph be similarly approved" and (2), if he did not so agree as regards any given item, to indicate that item.

**5. Withdrawal from the scope of Voting Paper V.P.(O.M.)(55) 31 of proposals submitted in regard to two specific names :** On 30th October 1955 Mr. Hemming, as Secretary, placed the



following Minute on the Commission's File Z.N.(S.) 993 :—

**Withdrawal from the scope of Voting Paper V.P.(O.M.)(55)31 of proposals submitted in regard to two specific names**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.  
(Secretary to the International Commission on Zoological Nomenclature)

I have this day received from Professor Ernst Mayr a letter dated 26th October 1955 in which he has drawn my attention to the fact that within the last twenty years efforts have been made to show that the name *gallicus* Gmelin (J.F.), 1788, as published in the combination *Falco gallicus*, applies to the same taxon as that to which is applicable the specific name *ferox* Gmelin (S.G.), 1771, as published in the combination *Accipiter ferox* and that by the authors who had taken this view the name *gallicus* had been treated as a junior subjective synonym of the name *ferox*. It appears, however, from Professor Mayr's letter that for some years past the attempt to synonymise the above names has been abandoned. Nevertheless, this is a matter which ought, in my opinion, to be examined separately before a decision is taken by the Commission on the question of the admission of the name *gallicus* Gmelin to the *Official List*. This will involve the postponement of a decision in relation to the name for the type species of *Circaetus Vieillot*, 1816.

2. I have further to place on record that one of the specific names which in paper Z.N.(S.) 993 was proposed for admission to the *Official List* has, I now find, already been placed on that *List*. This is the name of the type species of *Neophron* Savigny, 1809. This name was originally published in the misspelled form *perenopterus* (*Vultur perenopterus* Linnaeus, 1758) but was emended by later authors to the correct spelling *percnopterus*. On the proposal of the Standing Committee on Ornithological Nomenclature established by the Tenth International Ornithological Congress (1952, *Bull. zool. Nomencl.* 9 : 52) this emendation has been accepted by the Commission in its *Opinion* 411 (now in the press)<sup>10</sup> and in the same *Opinion* this name in its emended form *percnopterus* was placed on the *Official List*.

3. For the reasons set forth above, I now, as Secretary to the International Commission, hereby direct as follows :—

(a) that the proposals relating to the under-mentioned specific names which in the paper numbered Z.N.(S.) 993 were submitted to the Commission concurrently with Voting Paper V.P.(O.M.)(55)31 be withdrawn from the scope of the foregoing Voting Paper :—

- (i) *gallicus* Gmelin (J.F.), 1788, as published in the combination *Falco gallicus* ;
- (ii) *percnopterus* (emend. of *perenopterus*) Linnaeus, 1758, as published in the combination *Vultur perenopterus* ;

<sup>10</sup> The *Opinion* here referred to was published on 31st July 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 13 : 191—202).



- (b) that the question whether the specific name *gallicus* Gmelin, 1788, should be placed on the *Official List of Specific Names in Zoology* be examined on Commission File Z.N.(S.) 1052, which has this day been opened for this purpose, with a view to the submission after consultation with interested specialists of proposals as to the action to be taken in this matter.

**6. The Prescribed Voting Period :** As Voting Paper V.P.(O.M.) (55)31 was issued under the One-Month Rule, the Prescribed Voting Period closed on 12th November 1955.

**7. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)31 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)31 was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Hering ; Holthuis ; Lemche ; Vokes ; Stoll ; Esaki ; Boschma ; Miller ; Bradley (J.C.) ; Sylvester-Bradley ; Prantl ; Mayr ; Jaczewski ; Tortonese ; do Amaral ; Dymond ; Hemming ; Bonnet ; Mertens ; Cabrera ; Key ; Kühnelt ; Hankó ;

- (b) *Negative Votes :*

None ;

- (c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.

**8. Declaration of Result of Vote :** On 21st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(55)31, signed a Certificate that the Votes cast were as set out in paragraph 7 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**9. Report by the Secretary on the relative dates of publication of the names “ *Caprimulgus novaehollandiae* ” Latham and “ *Caprimulgus cristatus* ” Shaw in White, both currently treated as having been published in 1790:** On 31st January 1956 Mr. Hemming as Secretary placed on the Commission's File Z.N.(S.)993 the following Report on the relative priority of the names *Caprimulgus novaehollandiae* Latham, and *Caprimulgus cristatus* Shaw in White, which are currently treated as having been published in the year 1790 and are synonymised with one another, Shaw's name *cristatus* being treated as having priority over Latham's name *novaehollandiae*.

**Relative priority of the binomina “ *Caprimulgus cristatus* ” Shaw in White, 1790, and “ *Caprimulgus novaehollandiae* ” Latham, 1790**

REPORT by FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

In returning Voting Paper V.P.(O.M.)(55) 31 Professor Ernst Mayr drew attention to the fact that, as stated in the second entry in Annexe 2 to the paper submitted concurrently with the foregoing Voting Paper,<sup>11</sup> the name of the type species of the genus *Aegotheles* Vigors & Horsfield, 1826, was *Caprimulgus novaehollandiae* Latham, 1790, but that that name was currently treated as a junior subjective synonym of the name *Caprimulgus cristatus* Shaw in White published in the same year. While not suggesting that this treatment was incorrect, Professor

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<sup>11</sup> See page 195 of the present *Direction*.

Mayr thought it desirable that, if possible, the relative priority of these two names should be placed on a firm footing.

2. On Professor Mayr's suggestion I have investigated the above matter on which I now submit the following Report :—

(a) The relative priority of the names *Caprimulgus novaehollandiae* Latham and *Caprimulgus cristatus* Shaw was discussed by Gregory Mathews ([1918—1919], *Birds Australia* 7 : 51) who brought forward the following evidence :—

(i) Latham's *Index Ornith.* is dated "1790" but its exact date of publication cannot be ascertained. Gregory Mathews pointed out, however, that this work had sometimes been treated by later authors as having appeared in 1791 and not in 1790. His conclusion was that it was probably published late in 1790.

(ii) As regards the name *Caprimulgus cristatus* Shaw in White, Gregory Mathews pointed out that the plate in Shaw's *Journal* containing a figure of this species is dated "Dec. 29th 1789". He pointed out further that this work was reviewed in the *Gentleman's Magazine* (55(2) : 742) in its issue of August 1790. Mathews added that the above serial was known not to have published reviews of books immediately upon their publication. He concluded that this work was probably published early in 1790.

(b) An examination of the two books concerned carried out by Miss D. N. Noakes, B.Sc.,<sup>12</sup> has brought to light one piece of information not elicited by Gregory Mathews. This is that, while, as stated by him, the title page bears the date "1790" (i) the dedication by the author is written from "Sydney Cove, Port Jackson, N.S. Wales" and is dated "November 18th 1788" and (ii) all the plates bear (in very small print) the legend "Published as the act directs, Dec. 29th, 1789 by J. Debrett". The use in this legend of the word "Published", which was not mentioned by Gregory Mathews, gives much greater precision to the date which he quoted.

(c) Under a decision taken by the Thirteenth International Congress of Zoology, Paris, 1948, which was then incorporated into the *Règles* (1950, *Bull. zool. Nomencl.* 4 : 223—225), a book or paper, the exact date of publication of which in a given year is not known, is to be treated for the purposes of the applica-

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<sup>12</sup> Research Assistant, Office of the International Commission on Zoological Nomenclature.



tion of the Law of Priority to new names included in it, as having been published not earlier than the earliest date in that year in which it is known to have been published and, where no such evidence is available, as having been published on the last day of the year in question.

(d) When the foregoing decision by the Paris Congress is applied in the present case, it is seen :—

(i) that the earliest date in 1790 on which White's *Journal*, and therefore the name *Caprimulgus cristatus* Shaw, is definitely known to have been published is the date in the month of August in which the issue of the *Gentleman's Magazine* containing a review of White's *Journal* was published ;

(ii) that, as nothing apart from the date " 1790 " on the title page is known regarding the date of publication of Latham's *Index ornithologicus*, the earliest date which can be definitely assigned to the above work and therefore to the name *Caprimulgus novaehollandiae* Latham is 31st December 1790.

(e) For the reasons set forth above, the name *Caprimulgus cristatus* Shaw in White has between four and five months priority under the *Règles* over the name *Caprimulgus novaehollandiae* Latham.

3. In view of the evidence brought forward in the foregoing paragraph the proposals submitted to the Commission in regard to the relative priority of the names discussed above is seen to have been correct and therefore, under the General Directive issued to the Commission by the International Congress of Zoology regarding the placing of names on the *Official List of Specific Names in Zoology*, the specific name *cristatus* Shaw, 1790, and not the name *novaehollandiae* Latham, 1790, should now be placed on the foregoing *List*, as proposed in the paper referred to in paragraph 1 of the present Report and as subsequently approved by the Commission in its vote on Voting Paper V.P.(O.M.)(55)31. In order to obviate the risk of any future misunderstanding arising in regard to this matter it is desirable that, when in accordance with the decision of the Commission the name *cristatus* Shaw in White is placed on the *Official List*, the date " August " should be cited in square brackets, together with the date " 1790 " and, as Secretary to the Commission, I hereby direct that this citation be made.

**10. Determination of the status under Article 30 of seven nominal species objectively identical with later-established nominal species cited for the type species of genera by the original authors of the generic names concerned:** On 25th February 1956 Mr. Hemming as Secretary placed on the Commission's File Z.N.(S.)993 the following Minute clarifying the status under Article 30 of seven nominal species, each of which is objectively identical with a later-established nominal species which was cited for the type species of a genus in the Class Aves by the original author of the generic name in question:—

**Status under Article 30 of a nominal species which is objectively identical with the nominal species cited as the type species of a genus by the original author of the generic name concerned**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

At the time of the submission to the Commission of the paper bearing the Registered Number Z.N.(S.) 993 it was not clear what nominal species should be treated as being the type species of a genus when two or more objectively identical nominal species were involved. This problem arose in connection with the names to be used for the type species of seven genera in the Class Aves, the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936, and therefore called for decision in the vote to be taken by the Commission on Voting Paper V.P.(O.M.)(55)31.

2. A proposal for the adoption of a *Declaration* clarifying the interpretation of Article 30 in the above regard was under consideration at the time when the foregoing paper was submitted to the Commission and it was anticipated that a decision thereon would have been taken by the Commission before the time came for the preparation of a *Direction* embodying the Commission's decision on the Voting Paper referred to above. Accordingly, in the paper submitted with the foregoing Voting Paper alternative proposals were placed before the Commission in paragraph 10(b),<sup>13</sup> under the first of which, in the event of the adoption of the suggested *Declaration*, the seven senior objective synonyms listed in Section C of Annexe 3 would be treated as the specific names of the type species of the genera concerned and in the event of the non-adoption of that *Declaration* as the specific names of nominal species objectively identical with the nominal species which would in that event be the type species of the genera in question.

3. The foregoing alternative proposals, together with the other proposals submitted with Paper Z.N.(S.) 993 were approved by the Commission by its Vote on Voting Paper V.P.(O.M.)(55)31.

<sup>13</sup> See page 190 of the present *Direction*.



4. By its Vote taken on Voting Paper V.P.(55)30 the Commission on 22nd February 1956 adopted the suggested *Declaration* referred to in paragraph 2 above, under which it ruled that under Article 30 of the *Règles* where there are two or more objectively identical nominal species, the designation, indication or selection of any one of those nominal species to be the type species of a genus is to be treated as the designation, indication or selection of whichever of the nominal species concerned has the oldest available name, irrespective of whether or not that nominal species was cited by the author of the generic name in question. The decision so taken has since been embodied in *Declaration* 21 (now in the press)<sup>14</sup>.

5. As Secretary to the Commission, I accordingly hereby direct as follows :—

- (1) that in the Ruling to be given in the *Direction* embodying the decision taken by the Commission on Voting Paper V.P.(O.M.) (55)31 a Section be included prescribing that in accordance with the provisions of *Declaration* 21 the seven nominal species specified in Column (1) of Section B of Annexe 3 to the Paper Z.N.(S.) 993 submitted with the foregoing Voting Paper, each of which is objectively identical with the later-established nominal species enumerated in Column (2) of the said Annexe which was cited by the author of the generic name concerned, be treated as the type species of the genera severally specified in Column (3) of the Annexe in question ;
- (2) that consequential upon the foregoing decision, the seven specific names enumerated in Section C of the above Annexe be entered on the *Official List of Specific Names in Zoology* as the specific names of the type species of the genera referred to above.

**11. Preparation of the Ruling given in the present “ Direction ” :**  
On 29th February 1956 Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)31, subject (i) to the withdrawal from the scope of the foregoing Voting Paper of the proposals in regard to the two specific names specified in the Secretary's Minute of 30th October 1955 (reproduced in paragraph 5 of the present *Direction*), (ii) to the insertion of particulars of the month as well as the year of publication of the specific name.

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<sup>14</sup> See Footnote 5.



*cristatus* Shaw, [August] 1790, as published in the combination *Caprimulgus cristatus*, when that name is entered on the *Official List of Specific Names in Zoology*, as directed in the Minute executed by the Secretary on 31st January 1956 (paragraph 9 of the present *Direction*) and (iii) to the determination of the nature of the entry to be made on the *Official List of Specific Names in Zoology* in relation to seven other specific names as prescribed in the Secretary's Minute of 25th February 1956 (reproduced in paragraph 10 of the present *Direction*).

**12. Original References:** The original references for the names placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*, the nominal species bearing the names concerned being either the type species of genera, the names of which have been inscribed on that *List* or are older-established nominal species subjectively identified therewith.

**13. Family-Group Names:** No question relating to family-group names arises in connection with the Ruling given in the present *Direction*.

**14.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**15.** The present *Direction* shall be known as *Direction Forty-Three (43)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Ninth day of February, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

## APPENDIX

Particulars of the action taken or now in progress in the case of the eighteen names of genera belonging to the Class Aves which were placed on the "Official List of Generic Names in Zoology" in the period up to the end of 1936, as regards which no action has been taken in the present "Direction" under the General Directive issued to the International Commission by the International Congress of Zoology relative to the placing on the "Official List of Specific Names in Zoology" of the specific names of the type species of genera, the names of which were placed on the "Official List of Generic Names in Zoology" in the foregoing period

(A) *Names of ten genera, the names of the type species of which, or senior subjective synonyms of such names, have now been placed on the "Official List of Specific Names in Zoology"*

- |                        |                              |  |
|------------------------|------------------------------|--|
| 1 <i>Balaeniceps</i>   | Direction 19                 | 1955, <i>Ops. Decls. int. Comm. zool. Nomencl.</i> <b>1(C)</b> : 133—144 |
| 2 <i>Burhinus</i>      | Direction 20                 | 1955, <i>ibid.</i> <b>1(C)</b> : 145—160                                 |
| 3 <i>Campephaga</i>    | Opinion 407                  | 1956, <i>ibid.</i> <b>13</b> : 131—146                                   |
| 4 <i>Colluricincla</i> | Opinion 410                  | 1956, <i>ibid.</i> <b>13</b> : 173—190                                   |
| 5 <i>Ectopistes</i>    | Direction 18                 | 1955, <i>ibid.</i> <b>1(C)</b> : 113—132                                 |
| 6 <i>Gallinago</i>     | Direction 39                 | 1956, <i>ibid.</i> <b>1(D)</b> : 95—138                                  |
| 7 <i>Grus</i>          | Direction 55                 | ( <i>ibid.</i> <b>1(D)</b> ), Part D.16, now in the press)               |
| 8 <i>Neophron</i>      | Opinion 411                  | 1956, <i>ibid.</i> <b>13</b> : 191—202                                   |
| 9 <i>Oedictornis</i>   | (See <i>Burhinus</i> above.) |  |
| 10 <i>Struthio</i>     | Opinion 413                  | 1956, <i>ibid.</i> <b>13</b> : 233—242                                   |

(B) *Name of one genus, for the addition to the "Official List of Specific Names in Zoology" of the name of the type species of which a proposal has now been published in the "Bulletin of Zoological Nomenclature"*

- |                                     |   |
|-------------------------------------|---|
| 11 <i>Circaetus</i> (Z.N.(S.) 1052) | 1956, <i>Bull. zool. Nomencl.</i> <b>12</b> : 120—122 |
|-------------------------------------|---|

(C) *Names of seven genera, in respect of which investigations are proceeding on the Files noted below on questions relating to the type species of the genera concerned*

- |                         |                      |
|-------------------------|----------------------|
| 12 <i>Anas</i>          | } File Z.N.(S.) 1050 |
| 13 <i>Gypaetus</i>      |                      |
| 14 <i>Nyctea</i>        |                      |
| 15 <i>Vireo</i>         |                      |
| 16 <i>Bubo</i>          | } File Z.N.(S.) 1051 |
| 17 <i>Surnia</i>        |                      |
| 18 <i>Trichoglossus</i> | File Z.N.(S.) 1055   |

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.8. Pp. 211—232**

## **DIRECTION 44**

Correction of certain entries relating to the names of genera in the Class Aves made on the *Official List of Generic Names in Zoology* in the period up to the close of 1936 and addition to the *Official Indexes of Rejected and Invalid Names in Zoology* of certain names given to genera and species of the same Class.

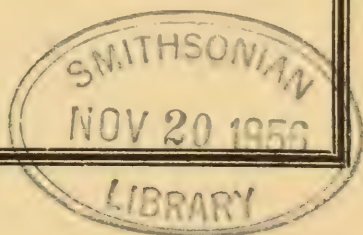
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 44

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.* (12th August 1953))

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*Arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology*)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

## DIRECTION 44

### CORRECTION OF CERTAIN ENTRIES RELATING TO THE NAMES OF GENERA IN THE CLASS AVES MADE ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE CLOSE OF 1936 AND ADDITION TO THE "OFFICIAL INDEXES OF REJECTED AND INVALID NAMES IN ZOOLOGY" OF CERTAIN NAMES GIVEN TO GENERA AND SPECIES OF THE SAME CLASS

**RULING :—**(1) The entries on the *Official List of Generic Names in Zoology* in regard to the names of three genera in the Class Aves made by the Ruling given in *Opinion 67* are hereby corrected in the manner specified below :—

- (1) *Alauda* Linnaeus, 1758 : The nominal species *Alauda arvensis* Linnaeus, 1758, was first selected to be the type species of the genus *Alauda* Linnaeus, 1758, by Selby in 1825 (*Ill. Brit. Ornith.* 1 (Landbirds) : xxix, xxxiii) and this reference is accordingly hereby substituted for the incorrect reference "Tsd. Swainson, 1827".
- (2) *Fulmarus* Stephens, 1826 : The nominal species *Procellaria glacialis* Linnaeus, 1761, was first selected to be the type species of the genus *Fulmarus* Stephens, 1826, by Gray (G.R.) in 1855 (*Cat. Gen. Sub-Gen. Birds Brit. Mus.* : 129) and this reference is accordingly hereby substituted for the incorrect reference "Palmer, 1836".
- (3) *Heliornis* Bonnaterre, 1790 : The generic name *Heliornis* Bonnaterre, was published in Part 1 of the "Ornithologie" Section of the *Encyclopédie*

*méthodique* in 1790 and not in 1791 as incorrectly stated in *Opinion* 67 and appeared on page 64 as well as on page lxxxiv. The entry on the *Official List* is accordingly hereby corrected by the substitution of the date "1790" for the date "1791" and completed by the addition of a reference to page 64.

(2) The nominal species *Manucodia chalybea* Boddaert, 1783, a junior objective synonym of *Paradisea* [sic] *chalybata* Forster, 1781, would have been the type species of *Manucodia* Boddaert, 1783, if it had not been for the provisions of *Declaration* 21<sup>1</sup>, under which the type species of this genus is *Paradisea* [sic] *chalybata* Forster, 1781, as the senior of the two objective synonyms concerned. The specific name *chalybata* Forster was misspelled as *chalybeata* in the Ruling given in *Opinion* 67. This spelling, as an Erroneous Subsequent Spelling, is placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* by Ruling (4) in the present *Direction*.

(3) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (1) *Aegithia* Blyth, 1860 (an Erroneous Subsequent Spelling for *Aegithina* Vieillot, 1816) (Name No. 527) ;
- (2) *Aix* Agassiz (J.L.R.), 1846 (An Invalid Emendation of *Aia* Eyton, 1838 and a junior homonym of *Aix* Boie, 1838) (Name No. 528) ;
- (3) *Alauda* Daudin, 1816 (a junior homonym of *Alauda* Linnaeus, 1758) (Name No. 529) ;

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<sup>1</sup> Published in 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 12 : i—viii).



- (4) *Aptenodita* Bonnaterre, 1791 (an Erroneous Subsequent Spelling for *Aptenodytes* Miller, 1778) (Name No. 530) ;
- (5) *Aptenodites* Lesson, 1837 (an Erroneous Subsequent Spelling for *Aptenodytes* Miller, 1778) (Name No. 531) ;
- (6) *Aptenodyta* Gmelin (J.F.), 1788 (an Erroneous Subsequent Spelling for *Aptenodytes* Miller, 1778) (Name No. 532) ;
- (7) *Aptenodytes* Forster (J.R.), 1777 (a *nomen nudum*) (Name No. 533) ;
- (8) *Aulacorhynchus* Dittmar, 1872 (a junior homonym of *Aulacorhynchus* Gould, 1834) (Name No. 534) ;
- (9) *Brotogerys* Agassiz (J.L.R.), 1846 (an Invalid Emendation of *Brotogeris* Vigors, 1825) (Name No. 535) ;
- (10) *Capito* Gistel, 1848 (a junior homonym of *Capito* Vieillot, 1816) (Name No. 536) ;
- (11) *Catharthes* d'Orbigny, [1835] (an Erroneous Subsequent Spelling for *Cathartes* Illiger, 1811) (Name No. 537) ;
- (12) *Centrocercus* Fitzinger, 1843 (a junior homonym of *Centrocercus* Swainson, 1832) (Name No. 538) ;
- (13) *Cephalopterus* Risso, 1810 (a junior homonym of *Cephalopterus* Geoffroy, 1809) (Name No. 539) ;
- (14) *Cephalopterus* Powrie, 1870 (a junior homonym of *Cephalopterus* Geoffroy, 1809) (Name No. 540) ;
- (15) *Chauna* Loew, 1847 (a junior homonym of *Chauna* Illiger, 1811) (Name No. 541) ;

- (16) *Chrysolophus* Swainson, 1837 (a junior homonym of *Chrysolophus* Gray (J.E.), [1833—1834]) (Name No. 542) ;
- (17) *Clamator* Blyth, 1852 (a junior homonym of *Clamator* Kaup, 1829) (Name No. 543) ;
- (18) *Coerebra* Boie, 1826 (an Erroneous Subsequent Spelling for *Coereba* Vieillot, 1816) (Name No. 544) ;
- (19) *Coturnix* Cuvier, 1800 (a *nomen nudum*) (Name No. 545) ;
- (20) *Eurynorhinchus* Lafresnaye, 1842 (an Erroneous Subsequent Spelling for *Eurynorhynchus* Nilsson, 1821) (Name No. 546) ;
- (21) *Eurynorynchus* Reichenbach, [1852] (an Erroneous Subsequent Spelling for *Eurynorhynchus* Nilsson, 1821) (Name No. 547) ;
- (22) *Eurylaemus* Gloger, [1841] (an Erroneous Subsequent Spelling for *Eurylaimus* Horsfield, 1821) (Name No. 548) ;
- (23) *Eurypygia* Swainson, 1837 (an Erroneous Subsequent Spelling for *Eurypyga* Illiger, 1811) (Name No. 549) ;
- (24) *Gampsonyx* Jordan, 1847 (a junior homonym of *Gampsonyx* Vigors, 1825) (Name No. 550) ;
- (25) *Haliaethus* Lesson, 1831 (an Erroneous Subsequent Spelling for *Haliaeetus* Savigny, 1809) (Name No. 551) ;
- (26) *Haliaëtos* Bonaparte, 1826 (an Erroneous Subsequent Spelling for *Haliaeetus* Savigny, 1809) (Name No. 552) ;

- (27) *Haliaetus* Cuvier, 1816 (an Erroneous Subsequent Spelling for *Haliaeetus* Savigny, 1809) (Name No. 553) ;
- (28) *Heliornis* Billberg, 1820 (a junior homonym of *Heliornis* Bonnaterre, 1790) (Name No. 554) ;
- (29) *Ibidorhinchus* David, 1875 (an Erroneous Subsequent Spelling for *Ibidorhyncha* Vigors, 1832) (Name No. 555) ;
- (30) *Ibidorhynchus* Gray (G.R.), 1844 (an Erroneous Subsequent Spelling for *Ibidorhyncha* Vigors, 1832) (Name No. 556) ;
- (31) *Musophagus* Bonnaterre, 1790 (an Invalid Emendation of *Musophaga* Isert, 1789) (Name No. 557) ;
- (32) *Numidia* Forster, 1817 (an Erroneous Subsequent Spelling for *Numida* Linnaeus, 1764) (Name No. 558) ;
- (33) *Pachycephala* Klug, 1834 (a junior homonym of *Pachycephala* Vigors, 1825) (Name No. 559) ;
- (34) *Pachycephala* Doleschall, 1858 (a junior homonym of *Pachycephala* Vigors, 1825) (Name No. 560) ;
- (35) *Pachycephala* Liroy, 1864 (a junior homonym of *Pachycephala* Vigors, 1825) (Name No. 561) ;
- (36) *Pachycephala* Broun, 1881 (a junior homonym of *Pachycephala* Vigors, 1825) (Name No. 562) ;
- (37) *Pachycephala* Fairmaire, 1883 (a junior homonym of *Pachycephala* Vigors, 1825) (Name No. 563) ;
- (38) *Pachycephalus* Stephens, 1826 (an Invalid Emendation of *Pachycephala* Vigors, 1825) (Name No. 564) ;



- (39) *Parotica* Wagler, 1827 (an Erroneous Subsequent Spelling for *Parotia* Vieillot, 1816) (Name No. 565) ;
- (40) *Pezoporus* Klug, [1842] (a junior homonym of *Pezoporus* Illiger, 1811) (Name No. 566) ;
- (41) *Pezoporus* Foerster, 1868 (a junior homonym of *Pezoporus* Illiger, 1811) (Name No. 567) ;
- (42) *Psittacus* Catesby, 1777 (a junior homonym of *Psittacus* Linnaeus, 1758) (Name No. 568) ;
- (43) *Pteroglossus* Chaudoir, 1843 (a junior homonym of *Pteroglossus* Illiger, 1811) (Name No. 569) ;
- (44) *Ptilorhys* Bonaparte, 1854 (an Erroneous Subsequent Spelling for *Ptiloris* Swainson, 1825) (Name No. 570) ;
- (45) *Ptilornis* Gray (G.R.), 1869 (an Erroneous Subsequent Spelling for *Ptiloris* Swainson, 1825) (Name No. 571) ;
- (46) *Strigopsis* Bonaparte, 1849 (an Invalid Emendation of *Strigops* Gray (G.R.), 1845) (Name No. 572).
- (47) *Stringops* Finsch, 1867 (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845) (Name No. 573) ;
- (48) *Stringopsis* van der Hoeven, 1855 (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845) (Name No. 574) ;
- (49) *Strygops* Des Murs, [1853] (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845) (Name No. 575) ;
- (50) *Ptilorhis* Agassiz (J.L.R.), 1846 (an Invalid Emendation of *Ptiloris* Swainson, 1825) (Name No. 576).

(4) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (1) *argus* Temminck, 1807, as published in the combination *Polyplectron argus* (a junior objective synonym of *bicalcaratus* Linnaeus, 1758, as published in the combination *Pavo bicalcaratus*) (Name No. 343) ;
- (2) *chalybea* Boddaert, 1783, as published in the combination *Manucodia chalybea* (a junior objective synonym of *chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata*) (Name No. 344) ;
- (3) *chalybeata* Stiles, 1916, as published in the combination *Paradisea chalybeata* (an Erroneous Subsequent Spelling for *chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata*) (Name No. 345) ;
- (4) *communis* Bonnaterre, 1791, as published in the combination *Coturnix communis* (a junior objective synonym of *coturnix* Linnaeus, 1758, as published in the combination *Tetrao coturnix*) (Name No. 346) ;
- (5) *fluvialis* Savigny, 1809, as published in the combination *Pandion fluvialis* (a junior objective synonym of *haliaetus* Linnaeus, 1758, as published in the combination *Falco haliaetus*) (Name No. 347) ;
- (6) *formosus* Latham, 1790, as published in the combination *Psittacus formosus* (a junior primary homonym of *formosus* Scopoli, 1769, as published in the combination *Psittacus formosus*) (Name No. 348) ;

- (7) *fulicarius* Bonnaterre, 1790, as published in the combination *Heliornis fulicarius* (a junior objective synonym of *fulica* Boddaert, 1783, as published in the combination *Colymbus fulica*) (Name No. 349) ;
- (8) *galbula* Linnaeus, 1766, as published in the combination *Oriolus galbula* (a junior objective synonym of *oriolus* Linnaeus, 1758, as published in the combination *Coracias oriolus*) (Name No. 350) ;
- (9) *griseus* Nilsson, 1821, as published in the combination *Eurynorhynchus griseus* (a junior objective synonym of *pygmaea* Linnaeus, 1758, as published in the combination *Platalea pygmaea*) (Name No. 351).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* is the third<sup>2</sup> of a series containing decisions supplementary to the Rulings in regard to the names of genera in the Class Aves placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936. These decisions have been taken by the International Commission on Zoological Nomenclature in conformity with General Directives issued by the International Congress of Zoology that the entries made on the *Official List* in that period be completed by the entry thereon in respect of each generic name of certain additional particulars currently required for new entries on that *List* and that the specific name of the type species of every genus, the name of which was entered on the *Official List* in the foregoing period, be entered upon the *Official List of Specific Names in*

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<sup>2</sup> The earlier *Directions* here referred to are *Direction* 26 (1955, *Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 259—272) and *Direction* 43 published in 1956 as the immediately preceding Part of the present Section (Section D) of volume 1.



*Zoology*, if the oldest available name for the species concerned, and that in other cases the oldest available specific name for the species in question be so entered. The present *Direction* which is taken under another General Directive issued to the Commission by the Congress contains Rulings prescribing certain minor corrections to be made in the entries made on the *Official List of Generic Names in Zoology* in the above period and placing certain names connected with the cases referred to above on the *Official Indexes of Rejected and Invalid Generic and Specific Names in Zoology*. The proposals which formed the basis of the decisions by the Commission in the present case were submitted by the Secretary in the following paper on 12th October 1955 :—

**Proposals relating to various matters outstanding in connection with the names of genera in the Class Aves placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The present paper contains the third instalment of proposals for giving effect, so far as the names of genera of birds are concerned, to the General Directive, issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that the entries made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 should be completed by the addition thereto of all the particulars required by other Directives issued to the Commission by that Congress. The first instalment, which related to the assignment of appropriate genders to the names of genera of birds placed on the *Official List* in the foregoing period, formed the subject of the vote taken by the Commission on Voting Paper V.P.(O.M.)(55)16. The Commission's decision on this matter has since been embodied in *Direction 26* (now in the press).<sup>3</sup> The second instalment, which was concerned with the placing on the *Official List of Specific Names in Zoology* of the specific names of the type species of the same genera, formed the subject of proposals submitted to the Commission with the Voting Paper V.P.(O.M.)(55)31 issued simultaneously with the present proposals. The instalment now submitted is concerned with various miscellaneous matters, such as the correction of minor errors in the entries made on the *Official List* by Rulings given in *Opinion 67* and the addition to the *Official Indexes* of invalid generic and specific names involved in one way or another with the generic names placed on the *Official List* in the above *Opinion*.

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<sup>3</sup> *Direction 26* has since been published. See Footnote 2.

2. First, it is necessary to take note of four errors of dating or citation which require now to be corrected. Particulars are given in Annexe 1.

3. Second, particulars are given in Section A of Annexe 2 of certain invalid generic names which under Directives issued to the Commission by the International Congress of Zoology require now to be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

4. Finally, particulars are given in Section B of Annexe 2 of certain invalid specific names which under the Directive referred to above require now to be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*. Of these names seven are names which were cited by the original authors as the names for type species of genera but which are invalid by reasons of being junior objective synonyms of older names. For the reasons explained in the paper submitted with Voting Paper V.P.(O.M.)(55)31 (paragraphs 8—9)<sup>4</sup> it is proposed to treat the senior objective synonym as the name of the type species in these cases.<sup>5</sup> The point involved is procedural only and is designed solely to promote clarity of presentation in the entries to be made on the *Official List of Generic Names in Zoology*. It does not affect in any way the names now proposed to be placed on the *Official Index of Rejected and Invalid Specific Names*, for the seven specific names here concerned, being objectively invalid names, would in any case require to be placed on that *Index*. The names concerned are marked with an asterisk in Annexe 2 (Section B).

5. In the light of the particulars outlined above and given in full in the Annexes attached to the present paper, I recommend that, in compliance with the Directives issued to it by the International Congress of Zoology, the Commission should now render a *Direction* (a) correcting, in the manner recommended in Annexe 1, certain errors in entries made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 67, and (b) placing on the *Official Indexes of Rejected and Invalid Names* the generic and specific names specified in Annexe 2.

#### ANNEXE 1

**Cases where, when a generic names in the Class Aves was placed on the "Official List of Generic Names in Zoology", (a) an incorrect date was cited for the generic name, (b) incorrect particulars were given as to the selection of the type species of the genus concerned, or (c) the name of the type species was incorrectly spelled**

**(1) "Alauda" Linnaeus, 1758 :**

The entry in *Opinion* 67 regarding the type species of this genus

<sup>4</sup> The paper here referred to is reproduced in full in paragraph 2 of *Direction* 43 (pp. 185—200 of the present volume).

<sup>5</sup> The proposal here referred to was approved by the International Commission and has been embodied in *Declaration* 21 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 12 : i—viii).



was “*Alauda arvensis* Linn. (Tsd. Swainson, 1827)”. This may be interpreted as meaning that the type species of this genus is *Alauda arvensis* Linnaeus, 1758 by selection under Rule (g) in Article 30 by Swainson in some book or paper published in 1827. The attribution of the type selection for this genus to “Swainson, 1827” was a mistake, for it was anticipated by the selection of the same species to be the type species of this genus made by Selby two years earlier, i.e. in 1825 (*Ill. Brit. Ornith.* 1 (Landbirds) : xxix, xxxiii). This is the reference adopted for this type selection both in the *A.O.U Checklist* and in vol. 1 of the *Handbook of British Birds* (1938).

## (2) “*Fulmarus*” Stephens, 1826

The type species of this genus is *Procellaria glacialis* Linnaeus, 1761, by selection by Gray (G.R.) in 1855 (*Cat. Gen. Sub-Gen. Birds Brit. Mus.* : 129). This is the reference accepted by all modern authors. For some reason which can only be attributed to inadvertence the selection of the above species as the type species of this genus was attributed to “Palmer, 1836” in *Opinion* 67. This was clearly a mistake. (When this matter was being investigated by the late Dr. James L. Peters, at my request, he reported that he was not aware of any worker named Palmer in this field prior to 1840 and that the entry in *Opinion* 67 must be rejected as being incorrect.)

## (3) “*Heliornis*” Bonnaterre, 1790

This generic name was published on pp. lxxxiv and 64 of the first part of the “Ornithologie” Section of the *Encyclopédie méthodique* and the name applied by Bonnaterre to its type species—*Heliornis fulicarius*—was published on page 65 of the same part of the above work. The part concerned was published in 1790 and not in 1791, the date incorrectly cited in *Opinion* 67.

## (4) “*Manucodia*” Boddaert, 1783

The type species of this genus was cited by Boddaert under the new name *Manucodia chalybea*. The oldest available name for the taxon so named is *Paradisea* [sic] *chalybata* Forster, 1781. An attempt was made in *Opinion* 67 to indicate this synonymy but unfortunately this specific name was there misspelled as “*chalybeata*”.

In order to prevent anyone, following Sherborn, from falling into the error of concluding that the name *Paradisea* [sic] *chalybata* Forster, 1781, is invalid by reason of being a *nomen nudum*, it should be noted that, in citing this name Forster provided it with an “indication” for the purposes of Article 25, by adding the entry “Pl. enlum. 634”. This is a reference to the plate so numbered in the *Histoire naturelle des Oiseaux* of Daubenton (E.I.), the plates (*Planches enluminées*) in which are stated in the title to have been prepared by Martinet under the direction of Daubenton.



## ANNEXE 2

**Proposed addition of certain objectively invalid names to the “ Official Indexes of Rejected and Invalid Names ”**

*Section A :—Proposed addition of forty-six generic names to the “ Official Index of Rejected and Invalid Generic Names in Zoology ”*

1. *Aegithia* Blyth, 1860, *J. asiat. Soc. Bengal* **29** : 254 (an Erroneous Subsequent Spelling for *Aegithina* Vieillot, 1816, placed on the *Official List* in *Opinion* 67)
2. *Aix* Agassiz, 1846, *Nomencl. Zool. Index Univ.* : 12 (emend. pro *Aia* Eyton, 1838) (a junior homonym of *Aix* Boie, 1828, placed on the *Official List* in *Opinion* 67)
3. *Alauda* Daudin, 1816, *Dict. Sci. nat.* (Levrault) **1** : 513 (a junior homonym of *Alauda* Linnaeus, 1758, placed on the *Official List* in *Opinion* 67)
4. The under-mentioned Erroneous Subsequent Spellings of *Aptenodytes* Miller, 1778, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Aptenodita* Bonnaterre, 1791, *Tabl. ency. méth. Orn.* **1** (1823) : xxxiv
  - (b) *Aptenodites* Lesson, 1837, *Compl. Buffon* **9** : 542
  - (c) *Aptenodyta* Gmelin, 1788, in Linnaeus, *Syst. Nat.* (ed. 13) **1**(1) : 242, 559
5. *Aptenodytes* Forster (J.R.), 1777, in Forster (G.), *Voy. World* **1** : 98 (a *nomen nudum*)
6. *Aulacorhynchus* Dittmar, 1872, *Verh. Russ. min. Ges.* (2) **7** : 2 (a junior homonym of *Aulacorhynchus* Gould, 1834, placed on the *Official List* in *Opinion* 67)
7. *Brotogerys* Agassiz, 1846, *Nomencl. Zool. Index Univ.* : 54 (an Invalid Emendation of *Brotogeris* Vigors, 1825, placed on the *Official List* in *Opinion* 67)
8. *Capito* Gistel, 1848, *Nat. Thierr.* : xi (nom. nov. pro *Ophistomis* Dejean, 1835) (a junior homonym of *Capito* Vieillot, 1816, placed on the *Official List* on *Opinion* 67)
9. *Catharthes* d'Orbigny, [1835], *Voy. Amer. mérid.* **9** : tab. 1 (an Erroneous Subsequent Spelling for *Cathartes* Illiger, 1811, placed on the *Official List* in *Opinion* 67)
10. *Centrocercus* Fitzinger, 1843, *Syst. Rept.* : 18, 86 (a junior homonym of *Centrocercus* Swainson, 1832, placed on the *Official List* in *Opinion* 67)

11. The under-mentioned junior homonyms of *Cephalopterus* Geoffroy 1809, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Cephalopterus* Risso, 1810, *Ichth. Nice* : 14
  - (b) *Cephalopterus* Powrie, 1870, *Trans. Edinb. geol. Soc.* **1** : 298
12. *Chauna* Loew, 1847, *Ent. Ztg.*, Stettin **8** : 370 (a junior homonym of *Chauna* Illiger, 1811, placed on the *Official List* in *Opinion* 67)
13. *Chrysolophus* Swainson, 1837, *Nat. Hist. Classif. Birds* **2** : 225 (a junior homonym of *Chrysolophus* Gray, [1833—34], placed on the *Official List* in *Opinion* 67)
14. *Clamator* Blyth, 1852, *Cat. Birds Mus. Asiat. Soc.* **1849** : 250 (a junior homonym of *Clamator* Kaup, 1829, placed on the *Official List* in *Opinion* 67)
15. *Coerebra* Boie, 1826, *Isis* (Oken) **19** : 971 (an Erroneous Subsequent Spelling for *Coereba* Vieillot, 1816, placed on the *Official List* in *Opinion* 67)
16. *Coturnix* Cuvier, 1800, *Leçons comp. Anat.* **1** : 2 (a *nomen nudum*)
17. The under-mentioned Erroneous Subsequent Spellings for *Eurynorhynchus* Nilsson, 1821, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Eurynorhinchus* Lafresnaye, 1842, *Rev. Zool.* **5** : 402
  - (b) *Eurynorynchus* Reichenbach, [1852], *Av. Syst.* **24** : xiii
18. *Eurylaemus* Gloger, [1841], *Handb. Naturg.* **1** (1842) : 333 (an Erroneous Subsequent Spelling for *Eurylaimus* Horsfield, 1821, placed on the *Official List* in *Opinion* 67)
19. *Eurypygia* Swainson, 1837, *Nat. Hist. Classif. Birds* **2** : 359 (an Erroneous Subsequent Spelling for *Eurypyga* Illiger, 1811)
20. *Gampsonyx* Jordan, 1847, *Verh. nat. ver. pr. Rheinl.* **4** : 91 (a junior homonym of *Gampsonyx* Vigors, 1825, placed on the *Official List* in *Opinion* 67)
21. The under-mentioned Erroneous Subsequent Spellings for *Haliaeetus* Savigny, 1809, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Haliaethus* Lesson, 1831, *Traité Orn.* (8) : 654

- (b) *Haliaetos* Bonaparte, 1826, *Ann. Lyceum nat. Hist. N. York* **2** (1828) : 24, 25
- (c) *Haliaetus* Cuvier, 1816, *Règn. Anim.* **1** (1817) : 351 ; id., Vieillot, 1819, *Nouv. Dict. Hist. nat.* (ed. 2) **28** : 277
- 22. *Heliornis* (Dalman MS) Billberg, 1820, *Enum. Ins. Mus. Billberg* : 79 (a junior homonym of *Heliornis* Bonnaterre, 1790, placed on the *Official List* in *Opinion* 67)
- 23. The under-mentioned Erroneous Subsequent Spellings for *Ibidorhyncha* Vigors, 1832, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Ibidorhinchus* David, 1875, *J. trois. Voy. Chin.* **1** : 307
  - (b) *Ibidorhynchus* Gray, 1844, *List Birds B.M.* **3** : 95, 201
- 24. *Musophagus* Bonnaterre, 1790, *Ency. méth., Orn.* **1** : xcv (an Invalid Emendation of *Musophaga* Isert, 1789, placed on the *Official List* in *Opinion* 67)
- 25. *Numidia* Forster, 1817, *Syn. Cat. Brit. Birds* : 64) (an Erroneous Subsequent Spelling for *Numida* Linnaeus, 1764, placed on the *Official List* in *Opinion* 67)
- 26. The under-mentioned junior homonyms of *Pachycephala* Vigors, 1825, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Pachycephala* Klug, 1834, *Jahrb. Insektenk.* **1** : 4
  - (b) *Pachycephala* Doleschall, 1858, *Natuurk. Tijdschr. Nederl. Ind.* **17** : 115
  - (c) *Pachycephala* Lioy, 1864, *Atti Ist. Veneto* (3) **9** : 1343
  - (d) *Pachycephala* Broun, 1881, *Man. N.Z. Col.* **2** : 672
  - (e) *Pachycephala* Fairmaire, 1883, *Ann. Soc. ent. Belgique* **27**(2) : 4
- 27. *Pachycephalus* Stephens, 1826, in Shaw, *Gen. Zool.* (Aves) **13**(2) : 267 (an Invalid Emendation of *Pachycephala* Vigors, 1825, placed on the *Official List* in *Opinion* 67)
- 28. *Parotica* Wagler, 1827, *Syst. Av.* **1** : 99 (an Erroneous Subsequent Spelling for *Parotia* Vieillot, 1816, placed on the *Official List* in *Opinion* 67)
- 29. The under-mentioned junior homonyms of *Pezoporus* Illiger, 1811, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Pezoporus* Klug, [1842], *Abh. preuss. Akad. Wiss.* **1840** : 311
  - (b) *Pezoporus* Foerster, 1868, *Verh. naturh. Ver. Rheinlande* **25** : 181
- 30. *Psittacus* Catesby, 1777, *Pisc. . . . Imagines* : 29 (a junior homonym of *Psittacus* Linnaeus, 1758, placed on the *Official List* in *Opinion* 67)



31. *Pteroglossus* Chaudior, 1843, *Bull. Soc. imp. Nat. Moscou* **16**(3) : 405 (a junior homonym of *Pteroglossus* Illiger, 1811, placed on the *Official List* in *Opinion* 67)
32. The under-mentioned Erroneous Subsequent Spellings of *Ptiloris* Swainson, 1825, placed on the *Official List* in *Opinion* 67 :—
  - (a) *Ptilorhys* Bonaparte, 1854, *C.R. Acad. Sci. Paris* **38** : 260
  - (b) *Ptilornis* Gray (G.R.), 1869, *Handlist Birds* **1** : 104, 105
33. *Strigopsis* Bonaparte, 1849, *Consp. Gen. Avium* : 8 (an Invalid Emendation of *Strigops* Gray (G.R.), 1845, placed on the *Official List* in *Opinion* 67)

*Section B : Proposed addition of nine specific names to the  
“ Official Index of Rejected and Invalid Specific Names  
in Zoology ”*

1. \**argus* Temminck, 1807 (*Cat. Syst. Cab. Ornith.* : 149) as published in the combination *Polyplectron argus* (a junior objective synonym of *bicalcaratus* Linnaeus, 1758, as published in the combination *Pavo bicalcaratus*)
2. \**chalybea* Boddaert, 1783 (*Tabl. Pl. enl. Hist. nat. Daubenton* : 39), as published in the combination *Manucodia chalybea* (a junior objective synonym of *chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata*)
3. *chalybeata* Stiles, 1916 (*Smithson. misc. Publ.* **2409** : 181), as published in the combination *Paradisea chalybeata* (an Erroneous Subsequent Spelling for *chalybata* Forster, 1781, as published in the combination *Paradisea* [sic] *chalybata*)
4. \**communis* Bonnaterre, 1791 (*Ency. méth., Orn.* **1** : 217), as published in the combination *Coturnix communis* (a junior objective synonym of *coturnix* Linnaeus, 1758, as published in the combination *Tetrao coturnix*)
5. \**fluvialis* Savigny, 1809 (*Descr. Egypte* **1**(1) (Ois.) : 96), as published in the combination *Pandion fluvialis* (a junior objective synonym of *haliaetus* Linnaeus, 1758, as published in the combination *Falco haliaetus*)
6. *formosus* Latham, 1790 (*Index ornith.* : 103), as published in the combination *Psittacus formosus* (a junior primary homonym of *formosus* Scopoli, 1769, as published in the combination *Psittacus formosus*)

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\*See paragraph 4 of the present paper.

7. \**fulicarius* Bonnaterre, 1790 (*Ency. méth.*, Orn. 1 : 65), as published in the combination *Heliornis fulicarius* (a junior objective synonym of *fulica* Boddaert, 1783, as published in the combination *Colymbus fulica*)
8. \**galbula* Linnaeus, 1766 (*Syst. Nat.* (ed. 12) 1(1) : 160), as published in the combination *Oriolus galbula* (a junior objective synonym of *oriolus* Linnaeus, 1758, as published in the combination *Coracias oriolus*)
9. \**griseus* Nilsson, 1821 (*Ornith. svec.* 2(1) : 29), as published in the combination *Eurynorhynchus griseus* (a junior objective synonym of *pygmaea* Linnaeus, 1758, as published in the combination *Platalea pygmaea*).

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper the question of the action required to settle the questions raised therein was allotted the Registered Number Z.N.(S.) 994.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)32 :** On 12th October 1955 a Voting Paper (V.P.(O.M.)(55)32) was issued in which each Member of the Commission was asked (1) to state whether he agreed that, "in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, and other matters on which action is required in order to complete, to clarify, or to correct Rulings given in *Opinions* rendered in the foregoing period, the action recommended in paragraph 5 of the paper numbered Z.N.(S.) 994, regarding names in the Class Aves submitted by the Secretary simultaneously with the present Voting Paper [i.e.

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\* See paragraph 4 of the present paper.

in the paragraph numbered as above in the application reproduced in the first paragraph of the present *Direction*] be now taken as there recommended ” and (2), if he did not so agree as regards any given item, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 12th November 1955.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)32 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)32 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Hering ; Holthuis ; Lemche ; Vokes ; Esaki ; Boschma ;  
Riley ; Miller ; Bradley (J.C.) ; Sylvester-Bradley ;  
Prantl ; Mayr ; Jaczewski ; Tortonese ; do Amaral ;  
Dymond ; Hemming ; Bonnet ; Mertens ; Stoll ;  
Cabrera ; Key ; Kühnelt ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bodenheimer ;

(d) *Voting Papers not returned :*

None.



**6. Declaration of Result of Vote :** On 21st November 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(55)32, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Addition of four further names to the "Official Index of Rejected and Invalid Generic Names in Zoology" :** On 21st November 1955 Mr. Hemming, as Secretary, executed the following Minute directing the addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* of three further Erroneous Subsequent Spellings and one further Invalid Emendation of generic names placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936 :—

**Addition of four further invalid generic names to the "Official Index of Rejected and Invalid Generic Names in Zoology"**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

I have received from Professor Ernst Mayr a letter dated 26th October 1955 in which he draws attention to the fact that the three Erroneous Subsequent Spellings and the one Invalid Emendation specified below of the names of genera in the Class Aves placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 were inadvertently omitted from the list of invalid generic names which in paper Z.N.(S.) 994 submitted to the Commission with Voting Paper V.P.(O.M.)(55)32 were recommended for addition to the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

- (1) *Stringops* Finsch, 1867, *Papageien* 1 : 233, 241 (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845, placed on the *Official List* by the Ruling given in *Opinion* 67) ;
- (2) *Stringopsis* van der Hoeven, 1855, *Handb. Dierk.* (ed. 2) 2 : 692 (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845) ;

(3) *Strygops* Des Murs, [1853], in Chenu, *Ency. Hist. nat.*, Ois. 1 : 202 (an Erroneous Subsequent Spelling for *Strigops* Gray (G.R.), 1845) ;

(4) *Ptilorhis* Agassiz (J.L.R.), 1846, *Nomencl. zool. Index univ.* (an Invalid Emendation of *Ptiloris* Swainson, 1825, placed on the *Official List* by the Ruling given in *Opinion* 67).

2. In the light of the additional information received in this matter I, as Secretary to the International Commission, hereby direct that the names specified above be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* at the same time that the names specified in the paper referred to in paragraph 1 above are so placed.

**8. Preparation of the Ruling given in the present “ Direction ” :**

On 7th February 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)32, subject to the adjustment specified in the Minute executed by the Secretary on 21st November 1955, the text of which has been reproduced in paragraph 7 of the present *Direction*.

**9. Original References :** The original references for the names specified in Annexe 2 to the present application which have been placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* or, as the case may be, on the *Official Index of Rejected and Invalid Specific Names in Zoology* by the Ruling given in the present *Direction* are as set out in the Annexe referred to above. The original references for the four generic names placed on the *Official Index* by the direction given in the Secretary's Minute of 21st November 1955 are as set out in that Minute.

**10. Family-Group Names :** No family-group-name problem arises in connection with any of the names dealt with in the Ruling given in the present *Direction*.

**11.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing

with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**12.** The present *Direction* shall be known as *Direction* Forty-Four (44) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Seventh day of February, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**



# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.9. Pp. 233—242**

## **DIRECTION 45**

Substitution of *Pinnotheres* Bosc, [1801—1802] for  
*Pinnotheres* Latreille, [1802—1803] (Class Crustacea,  
Order Decapoda) on the *Official List of Generic Names*  
*in Zoology* (correction of an error in the Ruling given  
in *Opinion* 85)

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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 45

### A. The Officers of the Commission

*Honorary Life President*: Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

---

*President*: Professor James Chester BRADLEY (*Cornell University, Ithaca, N. Y., U.S.A.*) (12th August 1953)

*Vice-President*: Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary*: Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology)

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Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

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Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernest MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

## DIRECTION 45

SUBSTITUTION OF "PINNOTHERES" BOSC, [1801—1802]  
FOR "PINNOTHERES" LATREILLE, [1802—1803]  
(CLASS CRUSTACEA, ORDER DECAPODA) ON  
THE "OFFICIAL LIST OF GENERIC NAMES  
IN ZOOLOGY" (CORRECTION OF AN  
ERROR IN THE RULING GIVEN IN  
"OPINION" 85)

**RULING :—**(1) The incorrect entry relating to the generic name *Pinnotheres* Latreille made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85, in which also the date [1801—1802] was erroneously attributed to the foregoing name, is hereby deleted and the following revised entry is hereby inserted in its place under the same Name Number (Name No. 352) :—

*Pinnotheres* Bosc, [1801—1802], *Hist. nat. Crust.* **1** : 59, 239 (gender : masculine) (type species, by selection by Latreille (1810, *Consid. gén. Anim. Crust. Arachn. Ins.* : 422) : *Cancer pisum* Linnaeus, 1767, *Syst. Nat.* (ed. 12) **1** (2) : 1039).

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the



Name No. 1035 : *pisum* Linnaeus, 1767, as published in the combination *Cancer pisum* (specific name of type species of *Pinnotheres* Bosc, [1801—1802]).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 577 : *Pinnotheres* Latreille, [1802—1803] (a junior homonym of *Pinnotheres* Bosc, [1801—1802]).

# I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

On 19th September 1955, Mr. Hemming as Secretary, submitted to the International Commission on Zoological Nomenclature two papers, each dealing with a number of matters relating to entries of names of genera of the Order Decapoda (Class Crustacea) made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 as regards which it appeared that action was needed in order to enable the Commission to comply with the General Directive relating to the completion of entries made on the above *List* in the foregoing period issued by the Thirteenth International Congress of Zoology, Paris, 1948. The first of these papers, with which was associated Voting Paper V.P.(O.M.)(55)27<sup>1</sup>, bore the Registered Number Z.N.(S.) 985 ; the second, with which was associated Voting Paper V.P.(O.M.)(55)28<sup>1</sup>, bore the Registered Number Z.N.(S.) 987. During the Prescribed Voting Period for the foregoing Voting Papers information received from Commissioner L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) disclosed the existence of a previously undetected problem in relation to the generic name *Pinnotheres* which, attributed to Latreille and dated “ 1801—1802 ”, had been placed on the *Official List* by the Ruling given in *Opinion* 85. In the light of the information so received, Mr. Hemming, on 7th October 1955,

<sup>1</sup> The decisions taken by the International Commission on these two Voting Papers have since been embodied in *Direction* 36 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 1(D) : 1—46) and *Direction* 37 (1956, *ibid.* 1(D) : 47—82) respectively.

executed Minutes on the Commission's Files Z.N.(S.) 985 and Z.N.(S.) 987 respectively withdrawing from the scope of the foregoing Voting Papers the proposals in relation to the generic name *Pinnotheres* Latreille submitted therewith and directing that the situation be reviewed in the light of the additional information received with a view to the submission of revised proposals to the Commission as soon as possible<sup>2</sup>. On 27th October 1955 the following paper containing revised proposals was submitted to the Commission by the Secretary :—

**Proposed correction of the entry on the " Official List of Generic Names in Zoology " relating to the generic name " Pinnotheres " Latreille, [1802—1803] (Class Crustacea, Order Decapoda) (correction of an error in " Opinion " 85)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The object of the present paper is to call attention to an incorrect entry in relation to the generic name *Pinnotheres* Latreille, [1802—1803], made on the *Official List of Generic Names in Zoology* by the Ruling given in the Commission's *Opinion* 85 published in 1925 (*Smithson. misc. Coll.* 73 (No. 3) : 13—18) and to submit proposals for correcting the entry so made.

2. The problem now to be considered was brought to light about a month ago by Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) by whom it was encountered incidentally when considering proposals which I had then submitted with Voting Papers V.P.(O.M.)(55)27 and 28 for completing the entries on the *Official List of Generic Names in Zoology* made in the pre-Lisbon (1935) period. These proposals had been prepared for the purpose of placing before the Commission the material necessary to enable it to comply with the General Directives issued by the International Congress of Zoology that such additions be made to entries made on the *Official List* in the foregoing period as might be necessary to bring those entries into line with those made in regard to names similarly placed on the above *Official List* in more recent periods. On receiving Dr. Holthuis's communication of 20th September 1955, I at once executed a Minute withdrawing the name *Pinnotheres* Latreille from the scope of the above Voting Papers.

<sup>2</sup> The Minute placed by the Secretary on Commission File Z.N.(S.) 985 on 7th October 1955 has been reproduced in paragraph 4 of *Direction* 36 (published as Part 1 of the present Section (SECTION D) of the present volume (Volume 1), pp. 1—46). The corresponding Minute placed by the Secretary on Commission File Z.N.(S.) 987 on the same day has been reproduced in paragraph 4 of *Direction* 37 (published as Part 2 of the present Section, pp. 47—82).



3. In *Opinion* 85 the name *Pinnotheres* Latreille was stated to have been published in "1801-2 (An X)" in volume 3 of the *Hist. nat. gén. partic. Crust. Ins.* in Sonnini's Buffon. It was further stated that *Cancer pisum* Linnaeus, 1767 (*Syst. Nat.* (ed. 12) 1(2) : 1039) was the type species of this genus.

4. In the first of the Voting Papers cited above (V.P.(O.M.)(55)27) a recommendation was submitted that the specific name *pisum* Linnaeus, 1767, as published in the combination *Cancer pisum*, should, as the specific name of the type species of a genus (*Pinnotheres* Latreille), which had been placed on the *Official List of Generic Names in Zoology*, now be placed on the *Official List of Specific Names in Zoology*.

5. Nothing was said in the Ruling given in *Opinion* 85 as to the manner in which *Cancer pisum* Linnaeus, 1767, had become the type species of the genus *Pinnotheres* Latreille. In order to repair this omission, it was recommended in Annexe 1 to the paper<sup>3</sup> submitted with the second of the Voting Papers referred to above (Voting Paper V.P.(O.M.)(55)28), that the entry "type species, by monotypy" be inserted in the entry in the *Official List* relating to this generic name, reference to the work cited in *Opinion* 85 having shown that the above was the only nominal species cited by Latreille when in that work he established the genus *Pinnotheres*. Further, in Appendix 2 (paragraph 10) of the same paper<sup>3</sup> attention was drawn to the fact that, although, as stated in *Opinion* 85, the third volume of the *Hist. nat. gén. partic. Crust. Ins.* bore the date "An X" calculated in accordance with the French Revolutionary Calendar of a hundred and fifty years ago, there is evidence to show that this volume cannot have been published until some time in "An XI", i.e. in the period from September 1802 to September 1803 (Hemming, 1946, *Bull. zool. Nomencl.* 1 : 205, nota 7).

6. In a letter dated 20th September 1955, Dr. Holthuis informed me that he had ascertained that the name *Pinnotheres* was first published not by Latreille but by Bosc in the latter author's *Hist. nat. Crust.* 1 : 59, 239, published in "An X", i.e. in the period September 1801 to September 1802. Bosc included in his genus *Pinnotheres* the nominal species *Cancer pisum* Linnaeus, 1758, and that species was selected as the type species by Latreille himself in 1810 (*Consid. gén. Anim. Crust. Arach. Ins.* : 422). Dr. Holthuis added that Bosc attributed (: 239) the generic name *Pinnotheres* to Latreille who was undoubtedly the author of this name in manuscript and suggested that Bosc became aware of it through the action of Latreille who, as Bosc explained in his preface (*loc. cit.* 1 : 49) had given him permission to make use ("... il a permis de faire usage ici") of the text of the then unpublished volume 3 of Latreille's *Hist. nat. gén. partic. Crust. Ins.*, referred to by Bosc as the forthcoming "nouvelle édition" of the *Précis des*

<sup>3</sup> The document here referred to has been reproduced in full in paragraph 1 of *Direction* 37 (pp. 63—78 of the present volume).



*caracteres des génériques* [sic] *des Insectes* of the “savant auteur . . . l'estimable Latreille”.

7. In the light of the evidence now furnished by Dr. Holthuis it is evident that the entry relating to the name *Pinnotheres* Latreille, [1802—1803], must be removed from the *Official List* and replaced by an entry relating to the name *Pinnotheres* Bosc, [1801—1802]. Fortunately, no change of type species is involved, for *Cancer pisum* Linnaeus, 1767, is the type species alike of *Pinnotheres* Bosc and of the later name *Pinnotheres* Latreille, though in the first of these cases that species is type species by selection by Latreille, 1810, while in the second case it is type species by monotypy.

8. In order to remedy the defect in *Opinion* 85 discovered by Dr. Holthuis, I recommend the International Commission :—

- (1) to delete from the *Official List of Generic Names in Zoology* the incorrect entry of the name *Pinnotheres* Latreille, [1802—1803], made therein, with the incorrect date “1801—1802”, by the Ruling given in *Opinion* 85 and to substitute therefor the following revised entry under the same Name Number (Name No. 352) :—

*Pinnotheres* Bosc, [1801—1802] (gender : masculine) (type species by selection by Latreille (1810) : *Cancer pisum* Linnaeus, 1767)

- (2) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—*pisum* Linnaeus, 1767, as published in the combination *Cancer pisum* (specific name of type species of *Pinnotheres* Bosc, [1801—1802]) ;
- (3) to place the under-mentioned generic name on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—*Pinnotheres* Latreille, [1802—1803] (a junior homonym of *Pinnotheres* Bosc, [1801—1802]).

**2. Registration of the present application :—**In accordance with the directions given in the Minute placed by the Secretary on Commission File Z.N.(S.) 985 on 7th October 1955, the question dealt with in the present *Direction* was investigated on Commission File Z.N.(S.) 1029, which was then opened for this purpose.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)37 :** On 27th October 1955, a Voting Paper (V.P.(O.M.)(55)37) was issued in which

the Members of the Commission were invited to vote either for, or against, "the proposed correction of the entry on the *Official List of Generic Names in Zoology* regarding the name *Pinnotheres* Latreille made by the Ruling given in *Opinion* 85, as recommended in paragraph 8 of the paper bearing the Number Z.N.(S.) 1029 submitted by the Secretary simultaneously with the present Voting Paper" [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*].

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 27th November 1955.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55) 37 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)37 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Holthuis ; Bonnet ; Hering ; Mertens ; Stoll ; Vokes ; Boschma ; Bodenheimer ; Mayr ; Esaki ; Dymond ; Bradley (J.C.) ; do Amaral ; Hankó ; Cabrera ; Jaczewski ; Kühnelt ; Hemming ; Tortonese ; Prantl ; Sylvester-Bradley ; Miller<sup>4</sup> ; Lemche ;

(b) *Negative Votes, one (1) :*

Key ;

(c) *Voting Papers not returned :*

None.

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<sup>4</sup> Commissioner Miller exercised in this case the right conferred by the Thirteenth International Congress of Zoology in Paris, 1948, under which a Commissioner may, if he so desires, signify his willingness to support the view or the majority view, of other members of the Commission (1950, *Bull. zool. Nomencl.* **4** : 50—51).

**6. Declaration of Result of Vote :** On 17th December 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)37, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present " Direction " :** On 17th March 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)37.

**8. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Pinnotheres* Bosc, [1801—1802], *Hist. nat. Crust.* **1** : 59, 239

*Pinnotheres* Latreille, [1802—1803], *Hist. nat. gén. partic. Crust. Ins.* **3** : 25

*pisum*, *Cancer*, Linnaeus, 1767, *Syst. Nat.* (ed. 12) **1**(2) : 1039

**9.** The reference for the selection of a type species for the genus *Pinnotheres* Bosc, [1801—1802] is as specified in Part (1) of the Ruling given in the present *Direction*.

**10.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.



11. The present *Direction* shall be known as *Direction* Forty-Five (45) of the International Commission on Zoological Nomenclature.

DONE in London, this Seventeenth day of March, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**  
Secretary to the Commission

**VOLUME 1. SECTION D. Part D.10. Pp. 243—254**

## **DIRECTION 47**

Substitution on the *Official List of Generic Names in Zoology* of a revised entry relating to the generic name *Pandalus* Leach, 1815 (Class Crustacea, Order Decapoda)  
(revision of a Ruling given in *Opinion 104*)

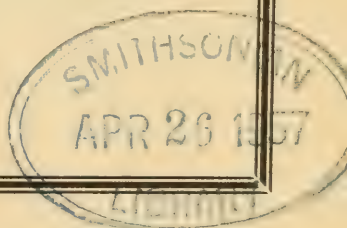
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 47

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZESWKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTENESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 47

SUBSTITUTION ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" OF A REVISED ENTRY RELATING TO THE GENERIC NAME "PANDALUS" LEACH, 1815 (CLASS CRUSTACEA, ORDER DECAPODA) (REVISION OF A RULING GIVEN IN "OPINION" 104)

**RULING :—**(1) The entry on the *Official List of Generic Names in Zoology* relating to the generic name *Pandalus* Leach, 1815 (Class Crustacea, Order Decapoda), made by the Ruling given in *Opinion* 104 is hereby deleted and the following revised entry inserted in its place :—

497 *Pandalus* [Leach], [1814] (gender : masculine)  
(type species by monotypy : *Pandalus montagui* [Leach], [1814]).

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1039 : *montagui* [Leach], [1814], as published in the combination *Pandalus montagui* (specific name of type species of *Pandalus* [Leach], [1814]).

(3) The under-mentioned generic names, each of which is either a junior homonym of *Pandalus* [Leach], [1814], or a later usage of that name, are hereby placed on the *Official Index of Rejected and Invalid Generic Names in*

Zoology with the Name Numbers 730 and 731 respectively :—

(a) *Pandalus* Leach, [1815], *Malac. Podophth. Brit.*

(b) *Pandalus* Leach, [1815], *Trans. linn. Soc. Lond.*

(4) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Number 356 : *annulicornis* Leach, [1815], as published in the combination *Pandalus annulicornis* (a junior objective synonym of *montagui* [Leach], [1814], as published in the combination *Pandalus montagui*, through the lectotype selection by Holthuis (L.B.) made in the note attached as an Annexe to the paper reproduced in paragraph 1 of the present *Direction*).

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* is concerned with the correction of an erroneous entry on the *Official List of Generic Names in Zoology* relating to the generic name *Pandalus* Leach there attributed to the year “ 1815 ” (Class Crustacea, Order Decapoda) made by the Ruling given in *Opinion* 104 (1928, *Smithson. misc. Coll.* 73

(No. 5) : 25—28). The problem involved came to light in the course of the preparations for the publication of the foregoing *Official List* in book form. It was laid before the International Commission by the Secretary in the following Report on 13th December 1955 :—

**Revised proposals relating to the entry on the “ Official List of Generic Names in Zoology ” regarding the name “ Pandalus ” Leach, [1815] (Class Crustacea, Order Decapoda) (proposed correction of an erroneous Ruling given in “ Opinion ” 104)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The object of the present note is to report to the Commission certain additional information regarding the generic name *Pandalus* Leach, [1815], in the Order Decapoda (Class Crustacea) which was placed on the *Official List of Generic Names in Zoology* in the pre-Lisbon (1935) period. In Voting Papers V.P.(O.M.)27 and 28<sup>1</sup> issued on 19th September 1955, I submitted recommendations for the completion of the entry made on the *Official List* in regard to this name and the problem now to be considered came to light when Commissioner L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie*) returned his completed copies of the above Voting Papers. Upon receipt of his communication I executed a Minute withdrawing from the scope of those Voting Papers the recommendations submitted in connection with the foregoing name, in order to allow further study of the problems involved, with a view to the submission of revised proposals to the Commission as soon as possible.

2. The name *Pandalus* Leach, [1815], was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 104

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<sup>1</sup> The decisions taken by the International Commission on Voting Papers V.P.(O.M.)(55)27 and 28 have since been embodied in *Directions* 36 and 37 respectively.



(published in 1928). The type species of this genus was there stated to be "*annulicornis*", i.e. *Pandalus annulicornis* Leach, [1815] (*Malac. Podophth. Brit.* (2) : expl. pl. 40) by monotypy. The investigations carried out in this Office had shown that the name *annulicornis* Leach, [1815], was apparently an available name and that it was the oldest such name for the species concerned. Accordingly in the paper submitted with Voting Paper V.P.(O.M.)27 it was recommended that in accordance with the General Directives issued to the Commission by the International Congress of Zoology the foregoing name, as the name of the type species of a genus, the name of which had already been placed on the *Official List of Generic Names in Zoology*, should in its turn be placed on the *Official List of Specific Names in Zoology*. In the paper submitted in connection with Voting Paper V.P.(O.M.)(55)28 attention was drawn to the fact that the name *Pandalus* was published twice by Leach in the year 1815, that the first of these occasions was (as noted above) in the *Malac. Podophth. Brit.*, but that in *Opinion* 104 it was the second of these references (*Trans. linn. Soc. Lond.* 11(2) : 346) which was cited as the place where this name was first published. It was proposed in that paper that the reference in the *Official List* for the name *Pandalus* should be altered accordingly.

3. In a letter dated 20th September 1955 Dr. Holthuis, after referring to the citation in the paper submitted with V.P.(O.M.)(55)28 of the reference to Leach's publication of the name *Pandalus* in 1815 in his *Malac. Podophth. Brit.*, went on as follows :—

I find that Leach, 1814 (*Edinburgh. Ency.* 7(2) : 432) had already published the name *Pandalus*. The type species of *Pandalus* Leach, 1814, by monotypy is *Pandalus montagui* Leach, 1814 (*ibid.* 7(2) : 432). *Pandalus montagui* Leach, 1814, and *Pandalus annulicornis* Leach, 1815, are synonymous, the former being the name currently in use.

4. It was on the receipt of the foregoing letter that I withdrew the proposals relating to the name *Pandalus* Leach which I had submitted with the Voting Papers referred to above. At the same time I asked Dr. Holthuis to inform me whether the names *montagui* [Leach], [1814], and *annulicornis* Leach, [1815], were objective or subjective synonyms of one another. In his reply dated 15th October 1955 Dr. Holthuis provided the following interesting information :—

- (a) When in 1814 Leach published (in the *Edinburgh Ency.*) his description of *Pandalus montagui*, he stated that this species was "named in honour of the first discoverer, Montagu, by whom it was called [presumably in MS.] *Astacus maculatus*. The Rev. J. Fleming took this species in Zetland".

- (b) In his description of *Pandalus annulicornis* in the *Malac. Podophth. Brit.* published a year later (in 1815) Leach wrote as follows :  
 “ This highly interesting species was discovered in Zetland, and in St. Andrew’s Bay, Scotland, by the Rev. Dr. Fleming, who most kindly gave me the specimens I originally described in the *Edinburgh Encyclopaedia* ”.

Dr. Holthuis went on to say that, so far as he was aware, no lectotype had ever been selected either for the nominal species *Pandalus montagui* [Leach], [1814], or for the nominal species *Pandalus annulicornis* Leach, [1815], and that, if a specimen collected by Fleming in Zetland were to be selected as the lectotype of both species, the foregoing names would become objective (instead of only subjective) synonyms of one another. Dr. Holthuis then noted that in White’s (1850) *List of the Specimens of British Animals in the Collection of the British Museum*, Part IV Crustacea, the last line on page 41 contained the following entry under the name “ *Pandalus Montagui*. Ringed-horned Shrimp ” :  
 “ d. Scotland, Zetland. Presented by Dr. Fleming ”. Dr. Holthuis added that this was evidently the specimen mentioned by Leach.

5. On the receipt of Dr. Holthuis’s letter I at once asked Dr. Isobel Gordon whether the specimen recorded in White’s *List* was still in the British Museum Collection ; at the same time I asked her views on the question whether the Zetland specimen, if still extant, could suitably be selected as the lectotype. In her reply dated 1st November 1955, after explaining that in the Museum’s dry collection there were now only three of the specimens listed by White in 1850 (: 41), of which the first two (Nos. 267a and 267c) came from Norfolk and Devon respectively and the third numbered “ 267d ” was labelled “ Zetland, Scotland, Dr. Fleming ”, Dr. Gordon proceeded as follows :—

Specimen 267d is a large almost complete specimen, very like Leach’s 1815 figure, Pl. XI, No. 1. In fact, it might be the figured specimen mentioned by Leach in 1814 (referring to his plate as “ *Pandalus A* ”, since it was not yet numbered). No other Fleming specimens are extant. This 267d specimen I should certainly select as the lectotype since Leach’s figures are natural size and this specimen agrees so well with his figure ; another specimen was evidently dissected in order to provide the separate appendages illustrated as Plate XI, figs. 2—14, but of course it cannot be traced.

6. On receipt of Dr. Gordon’s letter quoted above, I communicated a copy to Dr. Holthuis who on 15th November 1955 addressed to me a letter, of which a copy is given in the Annexe to the present paper, in which he formally selected the Fleming specimen numbered “ 267d ”



now in the dry collection of the British Museum (Natural History) to be the lectotype (a) of *Pandalus montagui* [Leach], [1814], and (b) of *Pandalus annulicornis* Leach, [1815].

7. The foregoing action by Dr. Holthuis has been communicated by this Office to Dr. Gordon with a request that the specimen referred to above may be labelled as the lectotype of the two foregoing nominal species by selection by Dr. Holthuis, 15th November 1955, it being agreed that as soon as Dr. Holthuis's letter containing the above lectotype selection is published by the International Trust, the relevant bibliographical reference will be communicated to Dr. Gordon, so that this also may be inscribed on the label belonging to the above specimen.

8. The action taken by Dr. Holthuis on the basis of the information kindly furnished by Dr. Gordon now makes possible the submission to the International Commission of the following revised proposal relating to the generic name *Pandalus* Leach, namely :—

- (1) that the entry on the *Official List of Generic Names in Zoology* relating to the generic name *Pandalus* Leach, 1815, made by the Ruling given in *Opinion* 104, be deleted therefrom and the following revised entry inserted in its place :—

497. *Pandalus* [Leach], [1814] (gender : masculine) (type species, by monotypy : *Pandalus montagui* [Leach], [1814])

- (2) that the under-mentioned name be placed on the *Official List of Specific Names in Zoology* : *montagui* [Leach], [1814], as published in the combination *Pandalus montagui* (specific name of type species of *Pandalus* [Leach], [1814]) ;
- (3) that the under-mentioned names, each of which is a junior homonym of *Pandalus* [Leach], [1814], be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* :  
(a) *Pandalus* Leach, [1815] (*Malac. Podophth. Brit.* pl. 40(2)) ;  
(b) *Pandalus* Leach, 1815 (*Trans. linn. Soc. Lond.* **11**(2) : 346) ;
- (4) that the under-mentioned specific name be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* : *annulicornis* Leach, [1815] (*Malac. Podophth. Brit.* : pl. 40(2)), as published in the combination *Pandalus annulicornis* (a junior objective synonym of *montagui* [Leach], [1814], as published in the combination *Pandalus montagui*).



## ANNEXE

Selection of a specimen preserved in the British Museum (Natural History), London, to be the lectotype of the nominal species "Pandalus montagui" [Leach], [1814], and "Pandalus annulicornis" Leach, [1815] (Class Crustacea, Order Decapoda)

By L. B. HOLTHUIS

(*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)

(letter, dated 15th November 1955, to Francis Hemming, Secretary to the International Commission on Zoological Nomenclature)

Thank you for your letter of 11th November and the information concerning the genus *Pandalus* Leach and its type material. On the basis of the data so kindly provided by Dr. Gordon, I now select as the lectotype of both the species *Pandalus montagui* [Leach], [1814] (*Edinb. Encycl.* 7(2) : 432) and *Pandalus annulicornis* Leach, [1815] (*Malac. Podophth. Brit.* (2) : expl. pl. 40), the dry specimen labelled "Zetland, Scotland, Dr. Fleming", and registered in the Crustacea collection of the British Museum (Natural History) under the number "267d".

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's Report (paragraph 1 above) the question of the correction of the entry in the *Official List of Generic Names in Zoology* relating to the name *Pandalus* Leach was allotted the Registered Number Z.N.(S.) 1028.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(55)38 :** On 13th December 1955 a Voting Paper (V.P.(O.M.)(55)38) was issued in which the Members of the Commission were invited to vote either for, or

against “ the revised proposal in relation to the generic name *Pandalus* Leach, [1815] (Class Crustacea, Order Decapoda) specified in paragraph 8 of the paper by the Secretary numbered Z.N.(S.) 1028 submitted simultaneously with the present Voting Paper ” [i.e. in the paragraph numbered as above in the Report reproduced in the first paragraph of the present *Direction*].

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period would normally have closed on 13th January 1956. In view, however, of the possibility of delays in overseas mails consequent upon the abnormally heavy traffic at Christmas time, the Secretary on 13th December 1955 executed a Minute extending the Prescribed Voting Period on the above Voting Period from one calendar month to six weeks. Under this direction the Prescribed Voting Period on Voting Paper V.P.(O.M.)(55)38 closed on 24th January 1956.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)38 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)38 was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) ;*

Mertens ; Lemche ; Hering ; Prantl ; Bodenheimer ;  
Holthuis ; Vokes ; do Amaral ; Mayr ; Hankó ; Key ;  
Esaki ; Riley ; Jaczewski ; Boschma ; Dymond ;  
Bradley (J.C.) ; Sylvester-Bradley ; Stoll ; Cabrera ;  
Kühnelt ; Bonnet ; Miller ; Tortonese ; Hemming ;

- (b) *Negative Votes :*

None ;

(c) *Voting Papers not returned* :

None.

**6. Declaration of Result of Vote :** On 25th January 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)38, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present " Direction " :** On 2nd May 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)38.

**8. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*annulicornis*, *Pandalus*, Leach, [1815], *Malac. Podophth. Brit.* (2) : expl. 40

*montagui*, *Pandalus*, [Leach], [1814], Brewster's *Edinburgh Ency.* 7(2) : 432

*Pandalus* Leach, [1815], *Malac. Podophth. Brit.* (2) : expl. pl. 40(2)

*Pandalus* Leach, 1815 *Trans. linn. Soc. Lond.* 11(2) : 346

**9.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is



accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**10.** The present *Direction* shall be known as *Direction* Forty-Seven (47) of the International Commission on Zoological Nomenclature.

DONE in London, this Second day of May, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.11. Pp. 255—264**

## **DIRECTION 48**

Determination of the authorship to be attributed to the work published anonymously in the year 1798 under the title *Museum Boltenianum* (*Direction* supplementary to *Opinion* 96)

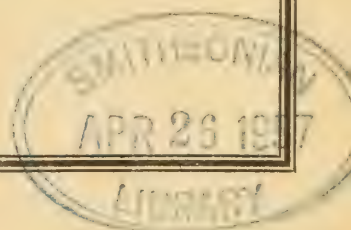
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 48

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)*

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

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Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)



## DIRECTION 48

DETERMINATION OF THE AUTHORSHIP TO BE ATTRIBUTED TO THE WORK PUBLISHED ANONYMOUSLY IN THE YEAR 1798 UNDER THE TITLE " MUSEUM BOLTENIANUM " (" DIRECTION " SUPPLEMENTARY TO " OPINION " 96)

**RULING :—**(1) It is hereby ruled that the authorship of the work published anonymously in 1798 under the title *Museum Boltenianum* is to be attributed to Peter Friedrich Röding.

(2) The title of the work specified in (1) above is hereby placed on the *Official List of Works Approved as Available for Zoological Nomenclature* with the Title Number 26, the entry so to be made to be endorsed as regards authorship as prescribed in (1) above.

### I. THE STATEMENT OF THE CASE

On 29th October 1954, Mr. Hemming, after consultation with Dr. L. R. Cox (*British Museum (Natural History), London*) (paragraph 2 below), submitted to the International Commission

on Zoological Nomenclature the following application in which, in order to obtain guidance as to the action to be taken when entering on the *Official Lists* or *Official Indexes* names first published in 1798 in the anonymous work *Museum Boltenianum*, he asked for a Ruling on the question of the authorship to be attributed to the foregoing work, this being a matter which had not been dealt with by the Commission when in *Opinion* 96 (1926, *Smithson. misc. Coll.* 73 (No. 4) : 16—18) it had ruled in favour of the acceptability of names published in the foregoing work :—

**Proposed determination of the authorship to be attributed to the catalogue published anonymously in 1798 under the title “*Museum Boltenianum*” (problem supplementary to “*Opinion*” 96)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The active steps now being taken to prepare the *Official List of Generic Names in Zoology* (and also the other *Official Lists* and the *Official Indexes*) for publication in book form have brought to light inconsistencies in the treatment accorded to various books in some of the older entries on the *List*. Most of these present no real difficulty, but some are of a nature which, in my view, calls for a further decision by the International Commission. The present note, which is concerned with the authorship of the anonymously published catalogue entitled the *Museum Boltenianum* which appeared in 1798, is one of these cases.

2. As the title suggests, the *Museum Boltenianum* is a catalogue of the collection formed by J. F. Bolten. It was prepared for publication by P. F. Röding. This work contains many new names, and the question which calls for decision is whether those names should be attributed to Bolten or to Röding.

3. The question whether the *Museum Boltenianum* should be accepted as having been duly published for the purposes of Article 25 of the *Règles* was submitted to the Commission some thirty years ago by Dr. Tate Regan (*British Museum (Natural History)*, London), and in *Opinion* 96 (published in 1926, *Smithson. misc. Coll.* 73 (No. 4) : 16—

18) the Commission ruled in favour of the availability of this work. In that *Opinion* the Commission gave no indication, however, of its view as to the authorship to be attributed to this work.

4. I discussed this question with Mr. R. Winckworth (*London*) some years before his death, knowing that he possessed an exceptionally wide and detailed knowledge of the older literature of his subject. The view which he took was that the new names in the *Museum Boltenianum* were Bolten's names, that the "indications" given for those names were provided by Röding and therefore that Röding and not Bolten should, under the *Règles*, be regarded as the author of the new names in this book. Not long after this discussion, Mr. Winckworth published a short note setting out the above views (Winckworth, 1945, *Proc. malac. Soc. Lond.* **26** : 136).

5. In anticipation of making the present application, I recently applied for advice to Dr. L. R. Cox (*British Museum (Natural History), London*), whose work also, as I knew, brought him into contact with the *Museum Boltenianum*. Dr. Cox at once agreed that a decision on the authorship to be attributed to this work was overdue, and kindly undertook to write to me as soon as he had examined the literature relating to this subject. In an interesting letter dated 26th October 1954 (which is being published simultaneously with the present application)<sup>1</sup> Dr. Cox gives what I consider to be very convincing reasons for accepting Röding as the author, for the purposes of zoological nomenclature, of the new names in the *Museum Boltenianum*.

6. Bolten was undoubtedly the author of the names in question, but it appears to me to be clear from the information furnished by Mr. Winckworth and Dr. Cox that it was Röding alone who supplied the "indications" for these names. On this view, these names should be regarded as manuscript names of Bolten's validated by being published with indications by Röding. As such, these names are attributable to Röding, whose action alone gave them the status of availability under the *Règles* (1950, *Bull. zool. Nomencl.* **4** : 259—260).

7. I accordingly recommend that Röding should be accepted as the author of the *Museum Boltenianum*. I recommend also that the present opportunity should be taken to place the title of the above work on the *Official List of Works Approved as Available for Zoological Nomenclature* (1953, *Copenhagen Decisions zool. Nomencl.* : 24, Decision 24), a step which will in any case need to be taken at some time in pursuance

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<sup>1</sup> The letter from Dr. Cox here referred to is reproduced in paragraph 2 of the present *Direction*.



of the General Directive issued by the Thirteenth International Congress of Zoology, Paris, 1948, that decisions taken in *Opinions* previously rendered be transferred to the appropriate Schedules to the *Règles* (1950, *Bull. zool. Nomencl.* **4** : 340).

8. The proposals now submitted are therefore that the International Commission should :—

- (1) give a Ruling that the authorship of the work published anonymously in 1798 under the title *Museum Boltenianum* be attributed to Peter Friedrich Röding ;
- (2) place the title of the foregoing work, with the authorship attributed as directed in (1) above, on the *Official List of Works Approved as Available for Zoological Nomenclature* (codification of Ruling given in *Opinion* 96).

**2. Support by Dr. L. R. Cox (British Museum (Natural History), London) for the acceptance of P. F. Röding as the author of the “Museum Boltenianum” :** Following oral discussions with Mr. Hemming, Secretary to the International Commission, Dr. L. R. Cox (*British Museum (Natural History), London*) on 26th October 1954 addressed a letter to the Office of the Commission setting out the evidence available regarding the authorship of the work *Museum Boltenianum*. Dr. Cox's letter, which is referred to by Mr. Hemming in paragraph 5 of his application, was as follows :—

The position seems to be that J. F. Bolten built up a large collection which he arranged systematically in accordance with a new scheme of classification of his own, assigning to each species a binominal Latin name and a vernacular German name. There is no evidence that he contemplated any sort of publication, but we are told (p. iii. of the *Museum Boltenianum*) that there was a “systematic catalogue of the collection which had been prepared with the greatest accuracy and care by its late possessor” [translation from the Latin]. On his death it was desired to sell the collection, and P. F. Röding took the catalogue and added to each species any references to figures in earlier literature which he could trace and a reference to the name assigned to the species in the 13th (Gmelin's) edition of Linnaeus, if it was there listed. All this is explained by Röding in his “Vorrede” to the *Museum Boltenianum* (pp. vii—viii), an English translation of which has been published by W. H. Dall (1915, *Smithson. Publ.* **2360** : 9).

R. Winckworth (1945, *Proc. malac. Soc. Lond.* **26** : 136) has discussed the question of the authorship of the work as follows :

“ The names are often attributed to Bolten, as the originator. But his manuscript catalogue contained only Latin names with German vernacular equivalents. It was not until the catalogue was published ‘ revised and enlarged by the addition of synonymy by Peter Friedrich Röding, a man devoted to natural history and especially to conchology ’, as the Abbé Lichtenstein records in the preface, that the names became available. Röding in the introduction says : ‘ On account of my love for natural history I accepted the labour and have added the Latin names according to the 13th Edition of Gmelin’s Linnean System, as well as many references to figures of the specimens. In many cases this had to be left undone because no figures were found to be satisfactory.’ It seems to me clear that the author should be cited as Röding *ex* Bolten MS., or more concisely as Röding. Iredale, however, takes the view that ‘ Bolten was the author of the genera and nominator of the species ’.”

The practice by the earlier authors (such as Dall) who accepted the *Museum Boltenianum* was to attribute the generic and specific names to Bolten. Nowadays, however, almost every author known to me attributes them either to Röding or to “ Röding *ex* Bolten MS.”.

## II. THE SUBSEQUENT HISTORY OF THE CASE

**3. Registration of the present application :** Upon receipt of Mr. Hemming’s paper, the question of the authorship to be attributed to the work entitled *Museum Boltenianum* was allotted the Registered Number Z.N.(S.) 866.

**4. Publication of the present application :** The present application, together with Dr. Cox’s letter reproduced in paragraph 2 above, was sent to the printer on 22nd November 1954 and was published on 31st January in the following year in Part 2 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Hemming, 1955, *Bull. zool. Nomencl.* **11** : 56—57 ; Cox, *ibid.* **11** : 58).

**5. No objection received :** The publication of the present application elicited no objection to the action proposed from any source.

### III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**6. Issue of Voting Paper V.P.(55)17 :** On 9th November 1955, a Voting Paper (V.P.(55)17) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the authorship of the catalogue entitled *Museum Boltenianum* and other matters set out in Points (1) and (2) in paragraph 8 on page 57 of Volume 11 of the *Bulletin of Zoological Nomenclature*" [i.e. in the Points numbered as above in paragraph 8 of the application reproduced in the first paragraph of the present *Direction*].

**7. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 9th February 1956.

**8. Particulars of the Voting on Voting Paper V.P.(55)17 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)17 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Vokes ; Bradley (J.C.) ; Mayr ; Jaczewski ; Riley ; Dymond ; Prantl ; Sylvester-Bradley ;



Lemche ; Esaki ; Mertens ; do Amaral ; Hankó ; Key ;  
Boschma ; Cabrera ; Stoll ; Bonnet ; Miller ; Tortonese ;  
Kühnelt ; Hemming ;

(b) *Negative Votes* :

None ;

(c) *Voting Papers not returned, one (1)* :

Bodenheimer.

**9. Declaration of Result of Vote :** On 10th February, 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)17, signed a Certificate that the Votes cast were as set out in paragraph 8 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**10. Preparation of the Ruling given in the present “ Direction ” :** On 20th May 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)17.

**11.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

12. The present *Direction* shall be known as *Direction* Forty-Eight (48) of the International Commission on Zoological Nomenclature.

DONE in London, this Twentieth day of May, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.12. Pp. 265—280**

## **DIRECTION 49**

Validation under the Plenary Powers of the generic name  
*Iphis* Leach, 1817 (Class Crustacea, Order Decapoda)  
(correction of an error in the Ruling given in *Opinion 73*)

### **LONDON :**

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*Issued 21st November, 1956*



# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 49

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History),  
Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

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Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August  
1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th  
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(6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November  
1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge,  
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*)  
(16th December 1954)

## DIRECTION 49

VALIDATION UNDER THE PLENARY POWERS OF THE  
GENERIC NAME "IPHIS" LEACH, 1817 (CLASS  
CRUSTACEA, ORDER DECAPODA) (CORRECTION  
OF AN ERROR IN THE RULING GIVEN IN  
"OPINION" 73)

**RULING :—**(1) Under the Plenary Powers the generic name *Iphis* Meigen, 1800 (Class Insecta, Order Diptera) is hereby suppressed for the purposes both of the Law of Priority and of the Law of Homonymy.

(2) The following revised entry on the *Official List of Generic Names in Zoology* for Name No. 160 is hereby substituted for the entry in respect of that Name Number made by the Ruling given in *Opinion 73* :—

*Iphis* Leach, 1817, as validated under the Plenary Powers under (1) above (gender : masculine) (type species, by monotypy : *Cancer septemspinosus* Fabricius (J.C.), 1787).

(3) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name Number 1035 :—*Dolichopus* Latreille, 1796 (gender : masculine) (type species, by selection by Latreille (1810) : *Musca unguolata* Linnaeus, 1758).

(4) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers 1055 and 1056 respectively :—

- (a) *septemspinosus* Fabricius (J.C.), 1787, as published in the combination *Cancer septemspinosus* (specific name of type species of *Iphis* Leach, 1817) ;
- (b) *ungulata* Linnaeus, 1758, as published in the combination *Musca ungulata* (specific name of type species of *Dolichopus* Latreille, 1796).

(5) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers 752 to 754 respectively :—

- (a) *Dolichopus* Van der Hoeven, [1856] (a junior homonym of *Dolichopus* Latreille, 1796) ;
- (b) *Dolychopus* Samouelle, 1819 (an Erroneous Subsequent Spelling for *Dolichopus* Latreille, 1796) ;
- (c) *Iphis* Meigen, 1800 (as suppressed under the Plenary Powers under (1) above).

(6) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Number 98 :—DOLICHOPODIDAE (correction of DOLICHOPODES) Latreille, 1809 (type genus : *Dolichopus* Latreille, 1796) (first published in correct form as DOLICHOPODIDAE by Loew, 1862).

(7) The under-mentioned family-group names are hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name Numbers 85 to 87 respectively :—

- (a) DOLICHOPODES Latreille, 1809 (type genus : *Dolichopus* Latreille, 1796) (an Invalid Original Spelling for DOLICHOPODIDAE) ;



- (b) DOLYCHOPODAE Samouelle, 1819 (type genus : *Dolichopus* Latreille, 1796) (an Erroneous Subsequent Spelling for DOLICHOPODIDAE) ;
- (c) DOLICHOPIDAE Stephens (J.F.), 1829 (type genus : *Dolichopus* Latreille, 1796) (an Erroneous Subsequent Spelling for DOLICHOPODIDAE).

## I. THE STATEMENT OF THE CASE

On 4th December 1954, Mr. Francis Hemming, Secretary, submitted to the International Commission on Zoological Nomenclature the following application in which he drew attention to the fact that the generic name *Iphis* Leach, 1817 (Class Crustacea Order Decapoda), which had been placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 73*, was invalid as a junior homonym of *Iphis* Meigen, 1800, a name not currently in use in the group concerned (Class Insecta, Order Diptera), and in which he recommended that the position of the name *Iphis* Leach on the *Official List* should be validated by the suppression of the unwanted name *Iphis* Meigen :—

**Proposed suppression under the Plenary Powers of the generic name “*Iphis*” Meigen, 1800, for the purpose of validating the generic name “*Iphis*” Leach, 1817 (Class Crustacea, Order Decapoda) (proposed correction of an error in “*Opinion 73*)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The purpose of the present application is to seek the assistance of the International Commission in rectifying an error in the *Official List of Generic Names in Zoology* in connection with the entry thereon of the generic name *Iphis* Leach, 1817 (*Zool. Miscell.* 3 : 25) made by the Ruling given in *Opinion 73* (1922, *Smithson. misc. Coll.* 73 (No. 1) : 23—31). The above genus is monotypical with *Cancer septemspinus* Fabricius, 1787 (*Mantissa Ins.* 1 : 325) as type species.

2. The error in *Opinion* 73 with which the present application is concerned came to light in 1944 in the course of a preliminary survey which I then made of the entries on the *Official List* made in the pre-1936 *Opinions*. I then discovered that the name *Iphis* Leach, 1817, is invalid by reason of being a junior homonym of the name *Iphis* Meigen, 1800 (*Nouv. Class. Mouches deux Ailes* : 27) (Class Insecta, Order Diptera). The fact that this has passed unnoticed by workers in the Crustacea is due no doubt to the fact that the pamphlet in which the name *Iphis* Meigen was published was completely ignored for more than a hundred years after its publication.

3. In a case of this kind clearly the first step to be taken is to ascertain whether the older name is in use in the group concerned and therefore whether any disturbance or other inconvenience would be suffered by workers in that group if the name in question were to be suppressed by the Commission under its Plenary Powers. In the present instance I applied for advice to Dr. Alan Stone (*U.S. Department of Agriculture, Agricultural Research Administration, Bureau of Entomology and Plant Quarantine, Washington, D.C., U.S.A.*), who in a letter dated 16th February 1944 informed me :—

- (1) that the type species of *Iphis* Meigen, 1800, is *Musca ungulata* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 598) by selection by Coquillett (1910, *Proc. U.S. nat. Mus.* 37 : 555) ;
- (2) that the nominal species *Musca ungulata* Linnaeus, 1758, is also the type species of the genus *Dolichopus* Latreille, 1796 (*Précis Caract. gén. Ins.* : 159) by selection by Latreille, 1810 (*Consid. gén. Anim. Crust. Arach. Ins.* : 443, 387) ;
- (3) that in view of (1) and (2) above, the generic name *Iphis* Meigen, 1800, is a junior objective synonym of *Dolichopus* Latreille, 1796.

4. In my view the information supplied by Dr. Stone clears the ground for the validation of the generic name *Iphis* Leach, 1817, by the suppression under the Plenary Powers of the unwanted—because objectively invalid—name *Iphis* Meigen, 1800, in the Order Diptera. I accordingly recommend that this action should be taken.

5. Under the General Directive given by the International Congress of Zoology that in rendering *Opinions* the Commission is to cover the whole field involved, it will be necessary in any decision on the present case also to place on the *Official List of Generic Names in Zoology* the generic name *Dolichopus* Latreille, 1796, and on the *Official List of Specific Names in Zoology* the name *ungulata* Linnaeus, 1758, as published in the combination *Musca ungulata* (specific name of type species of *Dolichopus* Latreille, 1796). At the same time it will be necessary to place on the *Official Index of Rejected and Invalid Generic*



*Names in Zoology* certain names which are junior homonyms of the generic names dealt with in the present application.

6. The nominal genus *Iphis* Leach, 1817 (Class Crustacea) is, I am informed by Dr. Isobel Gordon (*British Museum (Natural History), London*), currently referred to the family LEUCOSIIDAE, and in consequence no family-group-name question arises in this case.

7. I am indebted to Dr. John Smart (*University of Cambridge, Department of Zoology, Cambridge*) for information regarding the family-group names based on the generic name *Dolichopus* Latreille, 1796. Samouelle (1819, *Entomologist's useful Compendium* : 294) was the first author who has been traced as having used a “-DAE” termination, but he made two spelling mistakes, the name appearing in his book as DOLYCHOPODAE. Moreover, Samouelle attributed this name to Leach, without giving a bibliographical reference. Possibly, it was only used by Leach in manuscript.

8. The recommendations which I now submit are that the International Commission should :—

(1) use its Plenary Powers for the purpose of suppressing the generic name *Iphis* Meigen, 1800 (Class Insecta, Order Diptera), for the purposes both of the Law of Priority and of the Law of Homonymy ;

(2) substitute the following revised entry on the *Official List of Generic Names in Zoology* for Name No. 160 :—

*Iphis* Leach, 1817, *Zool. Miscell.* 3 : 25 (gender : masculine)  
(type species, by monotypy : *Cancer septemspinosus* Fabricius, 1787 (*Mantissa Ins.* 1 : 325)) ;

(3) place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—

*Dolichopus* Latreille, 1796 (gender : masculine) (type species, by selection by Latreille (1810) : *Musca ungulata* Linnaeus, 1758) ;

(4) place the under-mentioned specific names on the *Official List of Specific Names in Zoology* :—

(a) *septemspinosus* Fabricius, 1787, as published in the combination *Cancer septemspinosus* (specific name of type species *Iphis* Leach, 1817) ;

(b) *ungulata* Linnaeus, 1758, as published in the combination *Musca ungulata* (specific name of type species of *Dolichopus* Latreille, 1796) ;



- (5) place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
- (a) *Dolichopus* Van der Hoeven, [1856], *Handb. Zool.* 2 : 422, 431 (a junior homonym of *Dolichopus* Latreille, 1796) ;
  - (b) *Iphis* Meigen, 1800, as suppressed under the Plenary Powers under (1) above ;
  - (c) the under-mentioned names which are junior homonyms of *Iphis* Leach, 1817 :—
    - (i) *Iphis* Koch, 1835, *Deutschl. Crust.* (Heft 2) : Tab. 6
    - (ii) *Iphis* Laporte, 1836, *Rev. Entom.* 4(1) : 7
- (6) place the under-mentioned family-group name on the *Official List of Family-Group Names in Zoology* :—DOLICHOPIDAE (correction of DOLICHOPIDES) Latreille, 1807, *Gen. Crust. Ins.* 3 : 290<sup>1</sup> (type genus : *Dolichopus* Latreille, 1796).
- (7) place the under-mentioned family-group names on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* :—
- (a) DOLICHOPIDES Latreille, 1807 (type genus : *Dolichopus* Latreille, 1897) (an Invalid Original Spelling for DOLICHOPIDAE) ;
  - (b) DOLYCHOPODAE Samouelle, 1819 (type genus *Dolichopus* (misspelt *Dolychopus* by Samouelle) Latreille, 1796) (an Erroneous Subsequent Spelling for DOLICHOPIDAE).

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's application the question of the status of the generic name *Iphis* Leach, 1817, was allotted the Registered Number Z.N.(S.) 562.

**3. Publication of the present application :** The present application was sent to the printer on 31st December 1954 and was published on 28th February in the following year in Part 3 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Hemming, 1955, *Bull. zool. Nomencl.* 11 : 79—81).

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<sup>1</sup> On the final re-check of the references cited in the present case it was found that the reference here given for DOLICHOPIDES Latreille is incorrect, that name not having appeared until Volume 4 of the work cited, which was published in 1809. See paragraph 18 of the present *Direction*.

**4. Issue of Public Notices :** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56) Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 28th February 1955 (a) in Part 3 of Volume 9 of the *Bulletin of Zoological Nomenclature* (the part in which Mr. Hemming's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given also to certain general zoological serial publications and to certain entomological serials in Europe and America.

**5. Comments received :** No objection to the application submitted in the present case was received from any specialist in the Order Decapoda. On the subsidiary entomological issue involved communications were however received from three specialists. The first two of these were from :—(1) Dr. Alan Stone (*United States National Museum, Washington, D.C., U.S.A.*), who, while agreeing that the name *Iphis* Meigen was not required for taxonomic purposes, expressed opposition on general grounds to the use by the Commission of its Plenary Powers for the purpose of suppressing that name as proposed in the present application ; (2) Professor J. Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*), who rejected the arguments advanced by Dr. Stone against the present application. The communications so received are reproduced in the immediately following paragraphs. The third specialist who communicated with the Office of the Commission in regard to the present case was Dr. Curtis W. Sabrosky (*U.S. Department of Agriculture, Agricultural Research Service, Entomology Research Branch, Washington, D.C., U.S.A.*). Dr. Sabrosky's communication was concerned to secure a correction in the portion of the application relating to the form to be adopted for the family-group name based on the generic name *Dolichopus* Latreille, 1796 (paragraph 8 below), a subject which had also been raised by Professor Chester Bradley. Dr. Sabrosky did not comment on the subject matter of the present application, having already in a separate application (Z.N.(S.) 191) recommended that the work (*Nouvelle Classification des Mouches à deux Ailes*) in which the name *Iphis* Meigen was published should be rejected by the International



Commission under its Plenary Powers (Sabrosky, 1952, *Bull. zool. Nomencl.* **6** : 131—141).

**6. Comment received from Dr. Alan Stone (United States National Museum, Washington, D.C., U.S.A.) :** In the early part of 1944 Mr. Hemming consulted Dr. Alan Stone (*United States National Museum, Washington, D.C., U.S.A.*) in regard to the present case and on 16th February of that year Dr. Stone furnished a statement of his views. The statement so submitted, which was endorsed by a further letter dated 10th December 1954, was as follows (Stone, 1955, *Bull. zool. Nomencl.* **11** : 82) :—

I am writing in reply to your letter concerning the generic name *Iphis* Meigen, 1800. This name is an isogenotypic synonym of *Dolichopus* Latreille, 1796. The bibliographical data are as follows :

*Dolichopus* Latreille, 1796, *Précis Caract. Ins.* : 159. Genotype, *Musca unguolata* L., by designation of Latreille, 1810, *Consid. gén. Anim. Crust. Arach. Ins.* : 443

*Iphis* Meigen, 1800, *Nouvelle classification* : 27. Genotype, *Musca unguolata* L., by designation of Coquillett, 1910, *Proc. U.S. nat. Mus.* **37** : 555

To the best of my knowledge, *Iphis* Meigen has always been treated, when its zoological position was mentioned, as a synonym of *Dolichopus*. There seems to be no possibility that it will ever come into use in the Diptera, since this would require either the discovery that *Dolichopus* was a homonym or that the genotype of *Iphis* is incorrect and that the true genotype is not congeneric with *Dolichopus*. Neither of these contingencies seems at all probable.

In spite of the fact that *Iphis* Meigen is invalid, although available, I should not like to see the name suppressed by the Commission. The basic principles of the International Rules are weakened every time an exception is made by official action, and I think that the Plenary Powers should be invoked only in the very few cases where the name to be saved is of extreme importance. The easiest and surest way of maintaining the prestige of the International Rules is by strict impartiality of application, and such prestige should not be endangered because of a relatively unimportant name in Crustacea. A number of names have been accepted as unavailable because they proved to be homonyms of earlier names that are not in use. If the Commission makes an exception here it opens the gate for more and more changes of this sort, until nomenclature will not be a matter of following rules, but of attempting to weigh rather unpredictable opinion.



I might add that the Commission is going to be subject to considerable pressure to suspend various of the Meigen 1800 names in spite of *Opinion* 28 and the recent reaffirmation of this *Opinion*. If the Commission intends to adhere to these *Opinions*, an exception made with one name, even though seemingly fostering stability, will weaken its stand. It will be far easier to adhere strictly to the Rules than to justify partial adherence.

The situation then is this. As far as *Iphis* is concerned, it affects the dipterists not at all, but does affect workers with Crustacea. In saving the name for the Crustacea, all zoology will lose, since the principles of zoological nomenclature will be weakened, and every name that has been changed in similar circumstances will be subject to uncertainty.

**7. Comment received from Professor J. Chester Bradley (Cornell University, Ithaca, N.Y., U.S.A.) :** On 2nd June 1955, Professor J. Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*) addressed a letter to the Office of the Commission in which he commented on a number of cases. The following is an extract which bears on the present case :—

. . . . .  
2. *Iphis*. I fully approve of this case. I totally disagree with Stone's concluding paragraph on page 82<sup>2</sup>. Zoology (and the prestige of the Commission) would lose a lot by removing without good cause a name from the *Official List* that has been there for 33 years.

**8. The question of the form to be adopted for the family-group name based on the generic name "Dolichopus" Latreille, 1796 :** Communications were received from two specialists drawing attention to the fact that the correct form for the family name based on the generic name *Dolichopus* Latreille, 1796, was DOLICHOPODIDAE and not DOLICHOPIDAE (as stated in the present application. The communications so received were the following :—

(a) From Professor J. Chester Bradley (Cornell University, Ithaca, N.Y., U.S.A.) (statement enclosed with a letter dated 2nd June 1955) :

"*Dolichopus*" comes from the Greek  $\delta\omicron\lambda\iota\chi\omicron\varsigma$ , long, plus  $\pi\omicron\upsilon\varsigma$ , foot. As the genitive of  $\pi\omicron\upsilon\varsigma$  is  $\pi\acute{o}\delta\omicron\varsigma$ , the family name should be spelled DOLICHOPODIDAE and this is the form with which I am most familiar, though I have not examined literature to see how its use compares

<sup>2</sup> The page number cited by Professor Chester Bradley is to the Part of the *Bulletin of Zoological Nomenclature* containing the comment by Dr. Alan Stone reproduced in paragraph 6 of the present *Direction*.

with the incorrect DOLICHOPIDAE. See Essig, 1942, *College Entomology* : 776.

**(b) From Dr. Curtis W. Sabrosky (U.S. Department of Agriculture, Agriculture Research Service, Entomology Research Branch, Washington, D.C., U.S.A.) (extract from a letter dated 24th August 1955) :**

I note that this application proposes to place on the *Official List* the family name DOLICHOPIDAE (correction of DOLICHOPIDES) Latreille, and to place on the *Official List of Rejected and Invalid Family-Group Names in Zoology* the spellings DOLICHOPIDES Latreille (1809) and DOLYCHOPODAE Samouelle (1819). I should like to make the following comments on the proposal :—

(1) The correct family name should be DOLICHOPODIDAE rather than DOLICHOPIDAE (last component of the generic name *Dolichopus* from the Greek *ποῦς, ποδός*). There is much usage both ways, incidentally.

(2) I believe it is an unwise precedent for the Commission to place variant subsequent spellings of family names on the *Official Index of Rejected Names*.

**9. Modification of proposal submitted in Point (7) in paragraph 8 of the present application regarding the form to be adopted for the family name based on the generic name “*Dolichopus*” Latreille, 1796 :** When on 3rd November 1955, Mr. Hemming, as Secretary, prepared the Voting Paper to be submitted to the Members of the Commission in the present case (as to which see paragraph 10 of the present *Direction*) he added a note (Note 3) drawing attention to the communications received from Professor J. Chester Bradley and Dr. Curtis W. Sabrosky (paragraph 8 above) on the subject of the form of the family name based on the generic name *Dolichopus* Latreille, 1796, and recommending that the proposal on this matter be amended as follows :—“DOLICHOPODIDAE (correction of DOLICHOPODES) Latreille, 1809, to be placed on the *Official List*, Latreille’s Invalid Original Spelling to be placed on the *Official Index*.”

### III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**10. Issue of Voting Paper V.P.(55)21 :** On 9th November 1955, a Voting Paper (V.P.(55)21) was issued in which the Members

of the Commission were invited to vote either for, or against, "the proposal relating to *Iphis* Meigen, 1800, and *Iphis* Leach, 1817, as set out in Points (1) to (7) in paragraph 8 on pages 80 and 81 of Volume 11 of the *Bulletin of Zoological Nomenclature* [in the paragraph numbered as above in the application reproduced in the first paragraph of the present *Direction*], subject to the amendment of Point (7) as proposed in Note 3 overleaf" [i.e. amended as proposed in the Note quoted in paragraph 9 of the present *Direction*].

**11. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 9th February 1956.

**12. Particulars of the Voting on Voting Paper V.P.(55)21 :** At the close of the Prescribed Voting Period the state of the voting on Voting Paper V.P.(55)21 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Vokes ; Bodenheimer ; Bradley (J.C.) ; Mayr ; Jaczewski ; Riley ; Dymond ; Prantl ; Lemche ; Esaki ; do Amaral ; Hankó ; Key ; Boschma ; Sylvester-Bradley ; Mertens ; Cabrera ; Stoll ; Bonnet ; Tortonese ; Kühnelt ; Hemming ;

(b) *Negative Votes, one (1) :*

Miller ;

(c) *Voting Papers not returned :*

None.



**13. Declaration of Result of Vote :** On 10th February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)21, signed a Certificate that the Votes cast were as set out in paragraph 12 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**14. Withdrawal of two proposals on which, subsequent to the publication of the present application, action was taken by the International Commission by the Ruling given in " Direction " 37 :** On 29th December 1955, Mr. Hemming, as Secretary, after signing *Direction 37*, in which, *inter alia*, the Commission placed the generic names *Iphis* Koch, 1835, and *Iphis* Laporte, 1836, on the *Official Index of Rejected and Invalid Generic Names in Zoology*, executed the following Minute withdrawing from the scope of Application Z.N.(S.) 562 the proposals there submitted in regard to the foregoing names :—

**Withdrawal of proposals relating to two junior  
homonyms of " Iphis " Leach, 1817**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The routine proposals submitted in the present case included a recommendation (in Point (5) of paragraph 8) that the names *Iphis* Koch, 1835, and *Iphis* Laporte, 1836, as junior homonyms of *Iphis* Leach, 1817, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. The same proposal was later included in a paper numbered Z.N.(S.) 987, which was concerned with clearing up outstanding questions relating to the names of genera belonging to the Order Decapoda of the Class Crustacea placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. This latter paper was submitted to the Commission under the One-Month Rule on 19th September 1955 with Voting Paper V.P.(O.M.)(55)28 and was approved by the Commission on 1st November 1955.

2. In the light of the above decision the proposals relating to the disposal of the foregoing invalid generic names submitted with Paper Z.N.(S.) 987, together with the other proposals there submitted,

incorporated on 29th December 1955 in the Ruling given in a *Direction* numbered *Direction* 37 (now in the press)<sup>3</sup>.

3. In these circumstances no further action requires to be taken in connection with the foregoing generic names and the proposals in regard thereto in Application Z.N.(S.) 562 are accordingly hereby withdrawn.

**15. Preparation of the Ruling given in the present “ Direction ” :** On 26th May 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)21, subject to the omission therefrom of the two names specified in the Minute executed by the Secretary on 29th December 1955, the text of which has been reproduced in paragraph 14 of the present *Direction*.

**16. Original References :** The following are the original references for the generic and specific names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Dolichopus* Latreille, 1796, *Précis Caract. gén. Ins.* : 159

*Dolichopus* Van der Hoeven, [1856], *Handb. Zool.* **2** : 422, 431

*Dolychopus* Samouelle, 1819, *Entomologist's useful Compendium* : 294

*Iphis* Meigen, 1800, *Nouv. Classif. Mouches deux Ailes* : 27

*septemspinosus*, *Cancer*, Fabricius (J.C.), 1787, *Mantissa Ins.* **1** : 325

*ungulata*, *Musca*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 598

**17.** The following is the reference for the selection of the type species for the genus *Dolichopus* Latreille, 1796, specified in the Ruling given in the present *Direction* :—Latreille, 1810, *Consid. gén. Ordre nat. Anim. Class. Crust. Arachn. Ins.* : 443, 387

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<sup>3</sup> *Direction* 37 has since been published on 1st September 1956 as Part D.2 of Volume 1, Section D, in the *Opinions and Declarations Series*.

18. The following are the references for the family-group names placed on the *Official List* and *Official Index* established for recording names for taxa belonging to that category :—

DOLICHOPODES Latreille, 1809, *Gen. Crust. Ins.* 4 : 239, 290  
(type genus : *Dolichopus* Latreille, 1796)

DOLYCHOPODAE Samouelle, 1819, *Entomologist's useful Compendium* : 294 (type genus *Dolichopus* (misspelled *Dolychopus* by Samouelle) Latreille, 1796)

DOLICHOPIDAE Stephens (J.F.), 1829, *Syst. Cat. Brit. Ins.* : 266

DOLICHOPODIDAE Loew, 1862, *Smithson. misc. Coll.* 6 (No. 1/2) : 32

19. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

20. The present *Direction* shall be known as *Direction* Forty-Nine (49) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Sixth day of May Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING



# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.13. Pp. 281—292**

## **DIRECTION 50**

Validation under the Plenary Powers of the generic name  
*Homalaspis* Milne Edwards (A.), 1863 (Class Crustacea,  
Order Decapoda) (correction of an error in *Opinion* 85)

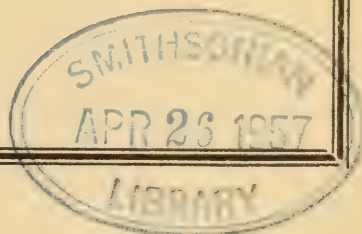
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*Issued 21st November, 1956*

# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 50

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election,  
as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th  
July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw,  
Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt  
a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin,  
Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August  
1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*)  
(12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y.,  
U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation,  
Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*)  
(29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th  
October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*)  
(6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November  
1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge,  
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*)  
(16th December 1954)

## DIRECTION 50

VALIDATION UNDER THE PLENARY POWERS OF THE  
GENERIC NAME "HOMALASPIS" MILNE  
EDWARDS (A.), 1863, (CLASS CRUSTACEA,  
ORDER DECAPODA) (CORRECTION  
OF AN ERROR IN  
"OPINION" 85)

**RULING :—**(1) Under the Plenary Powers the generic name *Homalaspis* Reinhard, 1860 (Class Insecta, Order Hymenoptera) is hereby suppressed for the purposes both of the Law of Priority and of the Law of Homonymy.

(2) The following revised entry on the *Official List of Generic Names in Zoology* for the Name No. 320 is hereby substituted for the entry in respect of that Name Number made by the Ruling given in *Opinion* 85 :—

*Homalaspis* Milne Edwards (A.), 1863, as validated under the Plenary Powers under (1) above (gender : feminine) (type species, by original designation : *Xantho planus* Milne Edwards (H.), 1834).



(3) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 1036 :—*Omalaspis* Giraud, 1860 (gender : feminine) (type species, by monotypy : *Omalaspis noricus* Giraud, 1860) (Class Insecta, Order Hymenoptera).

(4) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 1057 and 1058 respectively :—

(a) *planus* Milne Edwards (H.), 1834, as published in the combination *Xantho planus* (specific name of type species of *Homalaspis* Milne Edwards (A.), 1863) (Class Crustacea, Order Decapoda) ;

(b) *niger* Hartig, 1840, as published in the combination *Figites niger* (Class Insecta, Order Hymenoptera).

(5) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 755 :—*Homalaspis* Reinhard, 1860, as suppressed under the Plenary Powers under (1) above.

## I. THE STATEMENT OF THE CASE

On 3rd December 1954, Mr. Francis Hemming, as Secretary, submitted to the International Commission on Zoological Nomenclature the following paper drawing attention to the fact that the generic name *Homalaspis* Milne Edwards (A.), 1863 (Class Crustacea, Order Decapoda) which in 1925 (*Smithson. misc. Coll.* 73 (No. 3) : 13) was placed on the *Official List of*

*Generic Names in Zoology* by the Ruling given in *Opinion* 85, was invalid by reason of being a junior homonym of *Homalaspis* Reinhard, 1860 (Class Insecta, Order Hymenoptera) and recommending that, as the name *Homalaspis* Reinhard was not in use in the Class Insecta, the entry on the *Official List* in relation to the name *Homalaspis* Milne Edwards in Crustacea should be validated under the Plenary Powers :—

**Proposed validation, under the Plenary Powers, of the generic name  
“Homalaspis” Milne Edwards (A.), 1863 (Class Crustacea,  
Order Decapoda) (proposed validation of an error in  
“Opinion ” 85)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The purpose of the present application is to seek the assistance of the International Commission on Zoological Nomenclature in validating the generic name *Homalaspis* Milne Edwards (A.), 1863 (*Ann. Sci. nat.*, Paris (Zool.) (4) 20 : 279) (Class Crustacea, Order Decapoda), which was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 85 (1925, *Smithson. misc. Coll.* 73 (No. 3) : 13) in the erroneous belief that it was a nomenclatorially available name.

2. The present case came to light in 1944 during a preliminary survey of the pre-1936 entries on the *Official List of Generic Names in Zoology* which I carried out at that time. That survey showed that the name *Homalaspis* Milne Edwards, 1863, was invalid by reason of being a junior homonym of the name *Homalaspis* Reinhard, 1860 (*Berlin. ent. Z.* 4 : 239), an emendation of the name *Omalaspis* Giraud, 1860 (*Verh. zool.-bot. Ges. Wien* 10 (Abh.) : 155), the name of a genus in the Order Hymenoptera (Class Insecta).

3. As a first step in the examination of the question of the action needed in the present case, I consulted Dr. R. B. Benson (*British Museum (Natural History), London*) for the purpose of ascertaining whether the suppression under the Plenary Powers of the name *Homalaspis* Reinhard for the purpose of validating the name *Homalaspis* Milne Edwards in the Class Crustacea would cause any disturbance or inconvenience in the nomenclature of the Hymenoptera. Dr. Benson replied on 21st April 1944 as follows :—

I cannot see that any possible harm could come by suppressing *Homalaspis* Reinhard.



*Omalaspis* Giraud is in use for a genus of the Cynipoid family ASPICERIDAE. The three described species, all European, are rare or, at least, little known, and they rarely appear in the literature. Since Dalla-Torre & Kieffer's (1910) *Cynipidae* in *Das Tierreich*, where "*Omalaspis*" was used, I am not aware that the form of the name "*Homalaspis*" has ever been used. I only know of three references to "*Omalaspis*" (Hedicke, 1928, *Bull. Soc. ent. France* 1928 : 280, Weld, 1931, *Proc. ent. Soc. Wash.* 33 : 221 and Rohwer & Fagan, 1917, "The type species of the Genera of the Cynipidae . . .", *Proc. U.S. nat. Mus.* 53 : 357—380 ; and in this type list the form of the name "*Homalaspis*" is not even mentioned !). I cannot see any reason therefore against suppressing *Homalaspis* Reinhard as no confusion is likely to arise. Even if *Omalaspis* Giraud is later found to be invalid for any reason, there is a second string in *Lambertiona* Kieffer, with a conspecific type species.

4. Dr. Benson's letter made it quite clear that there could be no objection from the entomological side to the validation of the generic name *Homalaspis* Milne Edwards, 1863, in the Class Crustacea, and I recommend that this action should now be taken by the International Commission, in order that the defective entry of this name on the *Official List of Generic Names in Zoology* made by *Opinion* 85 may thereby be regularised.

5. I further recommend that in pursuance of the General Directive issued to the Commission by the International Congress of Zoology that Rulings given in *Opinions* are in future to cover the whole field embraced in any given instance, the Commission should at the same time place the generic name *Omalaspis* Giraud, 1860, on the *Official List of Generic Names in Zoology*. As regards the type species of that genus, I am informed (*in litt.*, 6th December 1954) by Dr. Benson that L. H. Weld (1952, *Cynipoidea* (Hym.) 1905—1950, Ann Arbor, Michigan : 16) has expressed the view that the name *Omalaspis noricus* Giraud, 1860, is a junior synonym of *Omalaspis nigra* (Hartig, 1840) (= *Figites niger* Hartig, 1840, *Z. Ent.* (Germar) 2 : 202). In these circumstances, the correct course under the standard procedure will be to place the name *niger* Hartig, 1840, but not its junior subjective synonym *noricus* Giraud, 1860, on the *Official List of Specific Names in Zoology*. At the same time the Invalid Emendation *Homalaspis* Reinhard, 1860, will need to be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

6. No question of family-group names arises in connection with either of the generic names involved in the present application, for the Decapod genus *Homalaspis* Milne Edwards is, I am informed by Dr. Isobel Gordon (*British Museum (Natural History)*, London),



currently referred to the family XANTHIDAE, while the Hymenoptera genus *Omalaspis* Giraud is currently referred to the family ASPICERIDAE.

7. The recommendation which I now submit is that the International Commission should :—

- (1) use its Plenary Powers for the purpose of suppressing the generic name *Homalaspis* Reinhard, 1860 (Class Insecta, Order Hymenoptera) for the purposes both of the Law of Priority and of the Law of Homonymy ;
- (2) substitute the following revised entry on the *Official List of Generic Names in Zoology* for Name No. 320 :—  
*Homalaspis* Milne Edwards (A.), 1863, *Ann. Sci. nat.*, Paris (Zool.) (4) 20 : 279 (gender : feminine) (type species, by original designation : *Xantho planus* Milne Edwards (H.), 1834, Roret's *Suite à Buffon, Hist. nat. Crust.* 1 : 397) ;
- (3) place the under-mentioned generic name on the *Official List of Generic Names in Zoology* :—  
*Omalaspis* Giraud, 1860, *Verh. zool.-bot. Ges. Wien* 10(Abh.) : 155 (gender : feminine) (type species, by monotypy : *Omalaspis noricus* Giraud, 1860, *Ver. zool.-bot. Ges. Wien* 10(Abh.) : 155) (Class Insecta, Order Hymenoptera) ;
- (4) place the under-mentioned specific names on the *Official List of Specific Names in Zoology* :—  
 (a) *planus* Milne Edwards (H.), 1834, as published in the combination *Xantho planus* (specific name of type species of *Homalaspis* Milne Edwards (A.), 1863) ;  
 (b) *niger* Hartig, 1840, as published in the combination *Figites niger* ;
- (5) place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—  
 (a) *Homalaspis* Reinhard, 1860, as suppressed under the Plenary Powers under (1) above ;  
 (b) *Homalaspis* Brunner v. Wattenwyl, 1895, *Monogr. Pseudophylliden* : 18, 217 (junior homonym of *Homalaspis* Milne Edwards (A.), 1863) ;  
 (c) *Homalaspis* Kiaer, 1932, *Skr. Svalbard Ishavet Oslo* 52 : 14 (junior homonym of *Homalaspis* Milne Edwards (A.), 1863).

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's application the question of the proposed validation under the Plenary Powers of the generic name *Homalaspis* Milne Edwards, 1863, was allotted the Registered Number Z.N.(S.) 560.

**3. Publication of the present application :** The present application was sent to the printer on 31st December 1954 and published on 28th February in the following year in Part 3 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Hemming, 1955, *Bull. zool. Nomencl.* **11** : 83—85).

**4. Issue of Public Notices :** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 28th February 1955 (a) in Part 3 of Volume 11 of the *Bulletin of Zoological Nomenclature* (the Part in which Mr. Hemming's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given also to certain general zoological serial publications and to a number of entomological serials in Europe and America.

**5. No objection received :** Neither the publication of the present application in the *Bulletin of Zoological Nomenclature* nor the issue of Public Notices in regard thereto elicited any objection to the action proposed from any source.

## III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**6. Issue of Voting Paper V.P.(55)22 :** On 9th November, 1955 a Voting Paper (V.P.(55)22) was issued in which the Members

of the Commission were invited to vote either for, or against, "the proposal relating to the generic name *Homalaspis* Milne Edwards, 1863, as set out in Points (1) to (5) in paragraph 7 on page 84 and the top of page 85 of Volume 11 of the *Bulletin of Zoological Nomenclature*" [i.e. in the Points numbered as above in paragraph 7 of the application reproduced in the first paragraph of the present *Direction*].

**7. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 9th February 1956.

**8. Particulars of the Voting on Voting Paper V.P.(55)22 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)22 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Vokes ; Bodenheimer ; Bradley (J.C.) ; Mayr ; Jaczewski ; Riley ; Dymond ; Prantl ; Lemche ; Esaki ; Mertens ; do Amaral ; Hankó ; Key ; Boschma ; Sylvester-Bradley ; Cabrera ; Stoll ; Bonnet ; Miller ; Tortonese ; Kühnelt ; Hemming ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

**9. Declaration of Result of Vote :** On 10th February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)22, signed a Certificate that the Votes cast were as set out in paragraph 8 above and declaring that the proposal sub-



mitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**10. Withdrawal of two proposals on which, subsequent to the publication of the present application, action was taken by the International Commission by the Ruling given in "Direction" 37 :** On 29th December 1955, Mr. Hemming, as Secretary, after signing *Direction* 37<sup>1</sup>, in which, *inter alia*, the Commission placed the generic names *Homalaspis* Brunner v. Wattenwyl, 1895, and *Homalaspis* Kiaer, 1932, on the *Official Index of Rejected and Invalid Generic Names in Zoology*, executed the following Minute withdrawing from the scope of Application Z.N.(S.) 560 the proposals there submitted in regard to the foregoing names :—

**Withdrawal of proposals relating to two junior homonyms of  
"Homalaspis" Milne Edwards (A.), 1863**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The routine proposals submitted in the present case included a recommendation (in Point (5) of paragraph 7) that the names *Homalaspis* Brunner v. Wattenwyl, 1895, and *Homalaspis* Kiaer, 1932, as junior homonyms of *Homalaspis* Milne Edwards (A.), 1863, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. The same proposal was later included in a Paper Numbered Z.N.(S.) 987, which was concerned with clearing up outstanding questions relating to the names of genera belonging to the Order Decapoda of the Class Crustacea placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. This latter paper was submitted to the Commission under the One-Month Rule on 19th September 1955 with Voting Paper V.P.(O.M.)(55)28 and was approved by the Commission on 1st November 1955.

2. In the light of the above decision the proposals relating to the disposal of the foregoing invalid generic names submitted with Paper Z.N.(S.) 987, together with the other proposals there submitted, have today been incorporated in the Ruling given in a *Direction* numbered *Direction* 37.

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<sup>1</sup> *Direction* 37 was published on 1st September 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 1(D.) : 47—82).

3. In these circumstances no further action requires to be taken in connection with the foregoing generic names, and the proposals in regard thereto in Application Z.N.(S.) 560 are accordingly withdrawn.

**11. Preparation of the Ruling given in the present " Direction " :** On 27th May 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)22, subject to the omission therefrom of the two names specified in the Minute executed by the Secretary on 29th December 1955, the text of which has been reproduced in paragraph 10 of the present *Direction*.

**12. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Homalaspis* Reinhard, 1860, *Berlin. ent. Z.* **4** : 239

*niger*, Figites, Hartig, 1840, *Z. Ent. (Germar)* **2** : 202

*Omalaspis* Giraud, 1860, *Verh. zool.-bot. Ges. Wien* **10**(Abh.) : 155

*planus*, *Xantho*, Milne Edwards (H.), 1834, (Roret's *Suite à Buffon*), *Hist. nat. Crust.* **1** : 397

**13. Family-Group-Name Aspects :** No family-group-name problems arise in the present case, the genus *Homalaspis* Milne Edwards, 1863 (Class Crustacea, Order Decapoda) being currently placed in the family XANTHIDAE and the genus *Omalaspis* Giraud, 1860 (Class Insecta, Order Hymenoptera) in the family ASPICERIDAE.

**14.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Com-

mission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

15. The present *Direction* shall be known as *Direction Fifty (50)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Seventh day of May, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**



# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.14. Pp. 293—308**

## **DIRECTION 51**

Revision of the entry on the *Official List of Generic Names in Zoology* relating to the name *Homarus* Weber, 1795 (Class Crustacea, Order Decapoda) (revision of a Ruling given in *Opinion* 104)

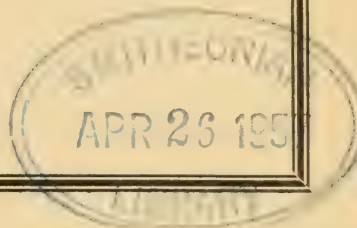
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 51

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*).

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election  
as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Histoire, Leiden, The Netherlands*)  
(1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th  
July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), (London)*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August  
1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*)  
(12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*)  
(29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th  
October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*)  
(6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November  
1954)

Professor Ernest MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge Massachusetts, U.S.A.*) (4th December 1954).

Professor Enrico TORTONESE (*Museo do Storia Naturale "G. Doria", Genova, Italy*,  
(16th December 1954)

## DIRECTION 51

### REVISION OF THE ENTRY ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" RELATING TO THE NAME "HOMARUS" WEBER, 1795 (CLASS CRUSTACEA, ORDER DECAPODA) (REVISION OF A RULING GIVEN IN "OPINION" 104)

**RULING :—**(1) The following revised entry in regard to the generic name *Homarus* Weber, 1795, is hereby inserted in the *Official List of Generic Names in Zoology* in lieu of the incomplete entry made by the Ruling given in *Opinion* 104 :—

*Homarus* Weber, 1795 (gender : masculine) (type species, (1) by selection by Rathbun (1904) of *Cancer gammarus* Linnaeus, 1758, a nominal species objectively identical with *Astacus marinus* Fabricius, 1775, one of the nominal species originally included in this genus by Weber, and (2) through *Declarations* 21 and 26 : *Cancer gammarus* Linnaeus, 1758).

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1059 :—*gammarus* Linnaeus, 1758, as published in the combination *Cancer gammarus* (specific name of type species of *Homarus* Weber, 1795) (Class Crustacea, Order Decapoda).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 756 :—*Homarus* Milne Edwards (H.), 1837 (a junior homonym of *Homarus* Weber, 1795).



(4) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Nos. 361 and 362 respectively :—

- (a) *marinus* Fabricius, 1775, as published in the combination *Astacus marinus* (a junior objective synonym of *gammarus* Linnaeus, 1758, as published in the combination *Cancer gammarus*) ;
- (b) *vulgaris* Milne Edwards (H.), 1837, as published in the combination *Homarus vulgaris* (a junior objective synonym of *gammarus* Linnaeus, 1758, as published in the combination *Cancer gammarus*).

## I. THE STATEMENT OF THE CASE

On 6th December 1954, Mr. Francis Hemming, Secretary, submitted to the International Commission on Zoological Nomenclature two papers on different aspects of the same question, the first being concerned with the elucidation of a question of principle, the second with an individual case in which the problem had arisen in the course of the preparation of the *Official List of Generic Names in Zoology* for publication in book-form. In the first of these papers, to which was allotted the Registered Number Z.N.(S.) 878<sup>1</sup>, Mr. Hemming invited the Commission to consider the adoption of a *Declaration* clarifying Rule (g) in Article 30 of the *Règles* in relation to the selection of the type species for a genus in a case where the nominal species so selected, though not itself cited at the time of the establishment of the genus in question, was objectively identical with another

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<sup>1</sup> For particulars of the action taken by the International Commission on this application, see paragraph 3 of the Minute by the Secretary dated 23rd February 1956, reproduced in paragraph 12 of the present *Direction*.

nominal species which was so cited. The second of the two papers submitted by Mr. Hemming was concerned with the question of the determination under Article 30 of the type species of the genus *Homarus* Weber, 1795, a case where the situation raised in the first of the two papers submitted had arisen in practice. Mr. Hemming's paper regarding the type species of the genus *Homarus* Weber was as follows :—

**Proposed revision of the entry on the “ Official List of Generic Names in Zoology ” regarding the generic name “ Homarus ” Weber, 1795 (Class Crustacea, Order Decapoda) (proposed revision of an entry made by the Ruling given in “ Opinion ” 104)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The object of the present application is to ask the approval of the International Commission for a revision of the defective entry relating to the name *Homarus* Weber, 1795 (*Nomencl. ent. Fabr.* : 94) made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 104 (1928, *Smithson. misc. Coll.* 73 (No. 5) : 25—28).

2. The entry in respect of the foregoing name made on the *Official List* by *Opinion* 104 was as follows :—

*Homarus* Fabr. in Weber, 1795a, 94, tsd. *gammarus* = *marinus*, s. *vulgaris*. Same as Milne Edw., 1837, HnC, 329, 333

3. The first question which calls for consideration is the method by which a type species was fixed for the nominal genus *Homarus* Weber, 1795. As will be seen from the foregoing extract from *Opinion* 104, it was there stated that this was by subsequent selection (t[ype by] s[ubsequent] d[esignation]). Weber's little book, as is well known, was completely overlooked or ignored until Miss Mary Rathbun disinterred it and brought the names in it into use in her paper published in 1904 (*Proc. biol. Soc. Wash.* 17 : 170) when she stated that “ *Homarus gammarus* (Linnaeus)”, [i.e. *Cancer gammarus* Linnaeus, 1758] was the type species of this genus. The foregoing nominal species was not included by Weber in his genus *Homarus*. The first nominal species cited by him as belonging to *Homarus* was, however, *Astacus marinus* Fabricius, 1775 (*Syst. Ent.* : 413), which is objectively indetical with the nominal species *Cancer gammarus* Linnaeus, 1758, the name published by Fabricius being no more than a substitute name (*nom. nov.*) for the earlier name published by



Linnaeus. In 1912, Fowler (*Ann. Rep. New Jersey State Mus.* **1911** : 333) selected the nominal species *Astacus marinus* Fabricius, 1775, one of the original included nominal species, to be the type species of *Homarus* Weber, 1795.

4. In an application numbered Z.N.(S.) 878<sup>2</sup> submitted simultaneously with the present case, I have recommended the International Commission to adopt a *Declaration* under which in a case such as the present where two objectively identical nominal species are involved, the selection of either as the type species of a genus established prior to 1st January 1931 is to be accepted as a valid type selection under Rule (g) in Article 30, it being immaterial whether the nominal species so selected is that actually cited by the author of the genus or whether it is only the nominal species which is objectively identical with that species. Accordingly, I now ask that consequentially upon the grant, as I hope, of the application referred to above, the Commission should accept as a valid type selection for the genus *Homarus* Weber, 1795, the selection by Miss Rathbun of the nominal species *Cancer gammarus* Linnaeus, 1758, notwithstanding the fact that it was not this species but the objectively identical nominal species *Astacus marinus* Fabricius, 1775, which was cited by Weber as belonging to his genus *Homarus*.

5. At this point it is necessary to refer to the Application Z.N.(S.) 908<sup>3</sup> (*Bull. zool. Nomencl.* **11** : 112—113) that the Commission should render a *Declaration* that, where there are two or more identical nominal species (i.e. nominal species, the names of which are objective synonyms of one another), the designation, indication or selection of any one of these nominal species to be the type species of a genus is to be treated as the designation, indication or selection of whichever of the nominal species concerned has the oldest available name, irrespective of whether or not that nominal species was cited by the author of the name of the genus in question. Further, it was suggested that the decision so recommended should be illustrated as follows by the case of the generic name *Homarus* Weber, 1795 :—“ *Example* : The nominal species *Cancer gammarus* Linnaeus, 1758, and *Astacus marinus* Fabricius, 1775, are objectively identical with one another. The second, but not the first, of these nominal species was placed by Weber in his genus *Homarus* in 1795. *Astacus marinus* Fabricius was the first of the originally included nominal species to be selected to be the type species of *Homarus* Weber. Since the name *Cancer gammarus* Linnaeus is (a) an available name and (b) a senior objective synonym of the name *Astacus marinus* Fabricius, the nominal species *Cancer*

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<sup>2</sup> See Footnote 1.

<sup>3</sup> For particulars of the action taken by the International Commission on this application, see paragraph 3 of the Minute by the Secretary dated 23rd February 1956 reproduced in paragraph 12 of the present *Direction*.



*gammarus* Linnaeus is to be treated as the type species of the genus *Homarus* Weber.” If, as I hope, the foregoing proposals are adopted by the Commission, the genus *Homarus* Weber, 1795, will take, as its type species, *Cancer gammarus* Linnaeus, 1758, and not, as otherwise would be the case, *Astacus marinus* Fabricius, 1775 (which, as explained above, is an identical nominal species but one possessing a later and therefore invalid name).

6. The last point to which attention must be drawn is the cryptic reference to Milne Edwards (1837) in the entry regarding the generic name *Homarus* Weber made in *Opinion* 104. In the passage in question Milne Edwards adopted a nominal genus *Homarus* to which he referred a nominal species *Homarus vulgaris* Milne Edwards, 1837 (: 334), which, like *Astacus marinus* Fabricius, 1775, is objectively identical with *Cancer gammarus* Linnaeus, 1758. Milne Edwards made no reference whatever to Weber and clearly regarded himself as the author of the generic name *Homarus* as then used in his book. *Homarus* Milne Edwards (H.), 1837 (in Roret’s *Suite à Buffon, Hist. nat. Crust.* 2 : 333) must therefore be regarded as an independently established nominal genus. As such, its name (*Homarus* Milne Edwards) is invalid by reason of being a junior homonym of *Homarus* Weber, 1795.

7. In order to bring the entry on the *Official List of Generic Names in Zoology* relating to the generic name *Homarus* Weber, 1795, into a form suitable for inclusion in that *List* when published in book form and in order also to dispose of certain other minor matters outstanding in the present case, I ask the International Commission to take the following action, namely :—

- (1) to substitute the following revised entry for Name No. 494 on the *Official List of Generic Names in Zoology* for the incomplete entry made under the Ruling given in *Opinion* 104 :—

*Homarus* Weber, 1795, *Nomencl. ent. Fabr.* : 94 (gender : masculine) (type species by selection by Rathbun (1904, *Proc. biol. Soc. Wash.* 17 : 170) of *Cancer gammarus* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 631), a nominal species objectively identical with *Astacus marinus* Fabricius, 1775, one of the nominal species originally included in this genus by Weber : *Cancer gammarus* Linnaeus, 1758 (under the decision taken on Application Z.N.(S.) 908).

**Note :—**The above proposal has been drafted on the assumption that approval will be given by the Commission to the proposal for the adoption of the *Declarations* recommended in Applications Z.N.(S.) 878 and Z.N.(S.) 908. If the first of these proposals were not to be approved, the reference to the selection of the type species by Rathbun

(1904) would need to be replaced by the words “by selection by Fowler, 1912, *Ann. Rep. New Jersey State Mus.* 1911 : 333”. If the second of these proposals were not to be adopted, it would be necessary to cite the type species as *Astacus marinus* Fabricius, 1775, instead of as *Cancer gammarus* Linnaeus, 1758.

- (2) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* :—*gammarus* Linnaeus, 1758, as published in the combination *Cancer gammarus* (the specific name of the type species of *Homarus* Weber, 1795) ;

**Note** :—See Note to Proposal (1) above. If the Application Numbered Z.N.(S.) 908 were to be rejected by the Commission, the words in brackets at the end of Proposal (2) would cease to be applicable.

- (3) to place on the *Official Index of Rejected and Invalid Generic Names in Zoology* the under-mentioned generic names, each of which is a junior homonym of *Homarus* Weber, 1795 :—

- (a) *Homarus* Milne Edwards (H.), 1837 ;  
 (b) *Homarus* Broun, 1881, *Manual N. Zealand Coleopt.* (1)(2) : 740.

- (4) to place on the *Official Index of Rejected and Invalid Specific Names in Zoology* the under-mentioned specific names, each of which is a junior objective synonym of the name *gammarus* Linnaeus, 1758, as published in the combination *Cancer gammarus* :—

- (a) *marinus* Fabricius, 1775, as published in the combination *Astacus marinus* ;  
 (b) *vulgaris* Milne Edwards (H.), 1837, as published in the combination *Homarus vulgaris*.

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application** : Upon the receipt of Mr. Hemming's application, the question of the method by which



the type species of the genus *Homavus* Weber, 1795, had been determined under Article 30 of the *Règles* was allotted the Registered Number Z.N.(S.) 879.

**3. Receipt of an application for a "Declaration" as to the nominal species to be accepted as the type species of a genus in the case where that nominal species is one of two or more identical species :** Prior to the publication of the present application Mr. Hemming submitted to the Commission a proposal for the adoption of a further *Declaration* on a question allied to that raised in Application Z.N.(S.) 878 referred to in paragraph 1 of the present *Direction*. In this second application, to which was allotted the Registered Number Z.N.(S.) 908, Mr. Hemming asked that, where one of two or more objectively identical nominal species is designated, indicated or selected as the type species of a genus, that genus should be cited as having as its type species the oldest established of the nominal species concerned.

**4. Publication of the present application :** The present application was sent to the printer on 31st December 1954 and was published in Part 4 of Volume 11 of the *Bulletin of Zoological Nomenclature* on 28th February 1955 (Hemming, 1955, *Bull. zool. Nomencl.* **11** : 114—116).

**5. No objection received :** The publication of the present application and of the associated requests for the adoption of *Declarations* on the questions of principle involved elicited no objection of the action proposed from any source.

**6. Note on procedure prepared in anticipation of the submission of the present application to the Commission for decision :** On 4th November 1955, Mr. Hemming prepared for the consideration of the Commission the following note drawing attention to the fact that the form of the decision asked for would depend upon whether the Commission decided in favour of the adoption of the



*Declarations* asked for respectively in Application Z.N.(S.) 878 (paragraph 1 above) and Z.N.(S.) 908 (paragraph 3 above). The note so in question, which was as follows, was annexed as Note 4 to the Voting Paper then prepared for submission to the Commission (paragraph 7 below) :—

4. *Procedural proposals* : The proposal now submitted is that which has been prepared on the assumption that the *Declarations* recommended in Z.N.(S.) 878 (Voting Paper V.P.(55)23) and in Z.N.(S.) 908 (Voting Paper V.P.(55)30) are adopted by the Commission. The notes given in the last paragraph of the present application show the modifications in the present proposal which would follow automatically if the Commission were to decide against either or both of the suggested *Declarations* referred to above.

### III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

7. **Issue of Voting Paper V.P.(55)31** : On 22nd November 1955, a Voting Paper (V.P.(55)31) was issued in which the Members of the Commission were invited to vote either for, or against “ the proposal relating to the generic name *Homarus* Weber, 1795, as set out in Points (1) to (4) in paragraph 7 on page 116 of Volume 11 of the *Bulletin of Zoological Nomenclature*, subject to the alternatives on certain points of detail specified in the Notes to Points (1) and (2) referred to above, the adoption of these alternatives to depend on the decision reached by the Commission on Voting Papers V.P.(55)23 and V.P.(55)30 respectively, as explained in Note 4 overleaf” [i.e. in the Note numbered as above quoted in paragraph 6 of the present *Direction*].

8. **The Prescribed Voting Period** : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 22nd February 1956.

**9. Particulars of the Voting on Voting Paper V.P.(55)31 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)31 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Riley ; Vokes ; Mayr ; Jaczewski ;  
Lemche ; Prantl ; Dymond ; Esaki ; Bodenheimer ;  
Mertens ; do Amaral ; Key ; Boschma ; Sylvester-  
Bradley ; Cabrera ; Bonnet ; Miller ; Tortonese ;  
Kühnelt ; Bradley (J.C.) ; Stoll ; Hankó ; Hemming ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

**10. Declaration of Result of Vote :** On 23rd February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)31, signed a Certificate that the Votes cast were as set out in paragraph 9 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**11. Withdrawal of the proposal submitted in relation to the generic name “ Homarus ”** Broun, 1881, on which, subsequent to the publication of the present application, action was taken by the International Commission by the Ruling given in “ Direction ” 37 : On 29th December 1955, Mr. Hemming, as Secretary, after signing

*Direction* 37, in which, *inter alia*, the Commission placed the generic name *Homarus* Broun, 1881, on the *Official Index of Rejected and Invalid Generic Names in Zoology*, executed the following Minute withdrawing from the scope of Application Z.N.(S.) 879 the proposal there submitted in regard to the foregoing name :—

**Withdrawal of the proposal relating to the generic name  
“Homarus” Broun, 1881, a junior homonym of  
“Homarus” Weber, 1795**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The routine proposals submitted in the present case included a recommendation (in Point (3) of paragraph 7) that the name *Homarus* Broun, 1881, a junior homonym of *Homarus* Weber, 1795, should be placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*. The same proposal was later included in a Paper Numbered Z.N.(S.) 987, which was concerned with clearing up outstanding questions relating to the names of genera belonging to the Order Decapoda of the Class Crustacea placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. This latter paper was submitted to the Commission under the One-Month Rule on 19th September 1955 with Voting Paper V.P.(O.M.)(55)28 and was approved by the Commission on 1st November 1955.

2. In the light of the above decision the proposal relating to the disposal of the invalid name *Homarus* Broun, 1881, submitted with Paper Z.N.(S.) 987, together with the other proposals there submitted, has today been incorporated in the Ruling given in a *Direction* numbered *Direction* 37.

3. In these circumstances no further action requires to be taken in connection with the name *Homarus* Broun, and the proposal in regard thereto in Application Z.N.(S.) 879 is accordingly withdrawn.

**12. Minute relative to the form of the Ruling to be given in the present case executed by the Secretary on 23rd February 1956 :** On 23rd February 1956, Mr. Hemming, as Secretary, executed the following Minute containing directions as to the form of the



Ruling to be given in the *Direction* embodying the decision of the Commission in the present case :—

**Form of the Ruling to be given in the “ Direction ” embodying the decision by the International Commission in relation to the generic name “ Homarus ” Weber, 1795 (Class Crustacea, Order Decapoda)**

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

Now that by its Vote on Voting Paper V.P.(55)31 the International Commission has approved the proposals in relation to the generic name *Homarus* Weber, 1795, submitted in Application Z.N.(S.) 879 (1955, *Bull. zool. Nomencl.* **11** : 114—116), it is necessary to give consideration to the question of the alternative forms of decision indicated in the Notes attached to Points (1) and (2) in paragraph 7 of the foregoing application to which attention was drawn in Note 4 submitted with the Voting Paper referred to above.

2. It will be recalled that, as pointed out in the foregoing Notes, the form of the decision to be recorded in the present case depends on the action taken by the Commission on two proposals then before it for the adoption of *Declarations* on questions of principle involved in this case. The proposals in question were the following :—

(a) *Application Z.N.(S.) 878 (Bull. zool. Nomencl.* **11** : 86—89)

In this application the Commission was asked to render a *Declaration* that, where there are two or more objectively identical nominal species, the designation, indication or selection of any of those species is to be accepted as conforming with the requirements of Article 30 of the *Règles*, irrespective of whether the nominal species concerned was cited by the original author when publishing the generic name in question. The decision to be taken on this application affects the decision to be taken in the case of *Homarus* Weber, for the first type selection for this genus (made by Rathbun in 1904) was that of *Cancer gammarus* Linnaeus, 1758, a nominal species which was not cited by Weber but which is objectively identical with *Astacus marinus* Fabricius, 1775, a nominal species which was cited by Weber. Under the rules hitherto obtaining Miss Rathbun's type selection for this genus would be invalid but under the proposed *Declaration* it would be valid.

(b) *Application Z.N.(S.) 908 (Bull. zool. Nomencl. 11 : 112—113)*

In this application the Commission was asked to render a *Declaration* that, where one of two or more objectively identical nominal species is designated, indicated or selected as the type species of a genus, that genus shall be cited as having as its type species the oldest established of the nominal species concerned. This *Declaration* would affect the present case for under it the genus *Homarus* Weber, 1795, would have as its type species the nominal species *Cancer gammarus* Linnaeus, 1758, whereas under the rules hitherto obtaining it would be necessary to cite as the type species of this genus the nominal species *Astacus marinus* Fabricius, 1775, which is objectively identical with, but possesses a later name than, the nominal species *Cancer gammarus* Linnaeus, 1758.

3. Both the foregoing applications have now been the subject of a vote by the Commission ; Application Z.N.(S.) 878 on Voting Paper V.P.(55)23 ; Application Z.N.(S.) 908 on Voting Paper V.P.(55)30. In each case the proposal submitted was approved by the Commission. The decision on Z.N.(S.) 878 has now been embodied in *Declaration 25*<sup>4</sup> ; that on Z.N.(S.) 908 in *Declaration 21*<sup>5</sup>.

4. By the decisions so taken the alternatives conditionally submitted in the Notes to Points (1) and (2) in paragraph 7 of Application Z.N.(S.) 879 cease to be applicable and accordingly the decision taken by the Commission on the foregoing application by its vote on Voting Paper V.P.(55)31 is to be interpreted as though those alternatives had not been put forward.

**13. Preparation of the Ruling given in the present “ Direction ” :**  
On 29th May 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)31, subject (1) to the withdrawal from the scope of the foregoing vote of the proposal relating to the name *Homarus* Broun, 1881, as directed in the Minute executed by the Secretary on 29th December 1955 and (ii) to the clarification in the Minute executed by that Officer on 23rd February 1956 of the situation regarding certain alternative

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<sup>4</sup> *Declaration 25* was published on 14th August 1956 (*Ops. Decls. int. Comm. zool. Nomencl. 13 : xxvii-xxxvi*).

<sup>5</sup> *Declaration 21* was published on 19th June 1956 (*Ops. Decls. int. Comm. zool. Nomencl. 12 : i-viii*).



proposals submitted with the above Voting Paper on matters depending upon the decision to be taken by the Commission when voting on Voting Paper V.P.(55)23 and Voting Paper V.P.(55)30 respectively. The Minutes referred to above have been reproduced in paragraphs 11 and 12 respectively of the present *Direction*.

**14. Original References :** The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*gammarus*, *Cancer*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 631

*Homarus* Milne Edwards (H.), 1837 (Roret's *Suite à Buffon*) *Hist. nat. Crust.* **2** : 333

*marinus*, *Astacus*, Fabricius (J.C.), 1775, *Syst. Ent.* : 413

*vulgaris*, *Homarus*, Milne Edwards (H.), 1837 (Roret's *Suite à Buffon*), *Hist. nat. Crust.* **2** : 334

**15.** The following is the reference for the selection of a type species for the genus *Homarus* Weber, 1795, specified in the Ruling given in the present *Direction* :—Rathbun (M.), 1904, *Proc. biol. Soc. Wash.* **17** : 170.

**16. Family-group-name problems :** As in the case of previous *Directions* containing amplifications or corrections of entries made in the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* rendered in the period up to the end of 1936, it has been decided that the question of the family-group names involved in the present case be deferred until it is possible to deal comprehensively with all the family-group-name problems involved in connection with the names of genera of the group concerned placed on the *Official List* in the foregoing period.

**17.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing



with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

18. The present *Direction* shall be known as *Direction* Fifty-One (51) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Ninth day of May, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.15. Pp. 309—318**

## **DIRECTION 52**

Determination of the gender to be attributed to the generic names *Cryptobranchus* Leuckart, 1821 (Class Amphibia) and *Eremias* Wiegmann, 1834 (Class Reptilia) placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92*

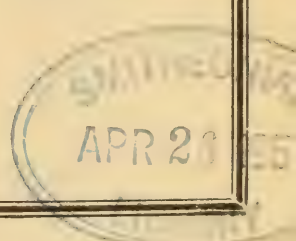
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 52

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*).

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis Hemming (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology*)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(1st January 1947)

Senor Dr. Angel CARRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

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Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*)  
(29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*)  
(6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernest MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*)  
(16th December 1954)



## DIRECTION 52

**DETERMINATION OF THE GENDER TO BE ATTRIBUTED  
TO THE GENERIC NAMES "CRYPTOBRANCHUS"  
LEUCKART, 1821 (CLASS AMPHIBIA) AND  
"EREMIAS" WIEGMANN, 1834 (CLASS REPTILIA)  
PLACED ON THE "OFFICIAL LIST OF GENERIC  
NAMES IN ZOOLOGY" BY THE RULING  
GIVEN IN "OPINION" 92**

**RULING :—**(1) The gender to be attributed to the generic name *Cryptobranchus* Leuckart, 1821 (Class Amphibia), placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 92 is hereby determined as being the masculine gender.

(2) The gender to be attributed to the generic name *Eremias* Wiegmann, 1834 (Class Reptilia) placed on the foregoing *Official List* by the Ruling given in the *Opinion* specified in (1) above is hereby determined as being the feminine gender.

### I. THE SUBJECT MATTER OF THE PRESENT "DIRECTION"

On 23rd January 1956, Mr. Francis Hemming, as Secretary, submitted to the International Commission on Zoological Nomenclature the following paper containing proposals for the determination of the gender to be attributed to the generic names *Cryptobranchus* Leuckart, 1821 (Class Amphibia) and *Eremias*

JAN - 8 1957

Wiegmann, 1834 (Class Reptilia), both of which had been placed on the *Official List of Generic Names in Zoology* :—

**Proposed determination of the gender to be attributed to  
the generic names “*Cryptobranchus*” Leuckart, 1821  
(Class Amphibia) and “*Eremias*” Wiegmann,  
1834 (Class Reptilia)**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

The Commission will recall that on 4th May 1955, in a paper numbered Z.N.(S.) 939, I submitted proposals for the determination of the gender to be assigned to the names of certain genera of fishes, cyclostomes, reptiles and amphibia which had been placed on the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* adopted in the pre-Lisbon (1935) period. In that paper I explained that the gender properly attributable to the name *Cryptobranchus* Leuckart, 1821 (Class Amphibia) and *Eremias* Wiegmann, 1834 (Class Reptilia) were still under investigation and that proposals on this subject would be submitted as soon as the investigations then in hand had been completed (see *Direction* 30, published on 16th November 1955, *Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 287—298). In the present paper the result of the foregoing investigations is submitted to the Commission for consideration.

(a) “*Cryptobranchus*” Leuckart, 1821

2. In the Report on the gender attributable to each of the names placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, initially obtained by the International Trust from Mr. F. J. Lelievre (at that time on the Classical Languages staff of Bedford College, London University) the masculine gender was assigned to the generic name *Cryptobranchus* Leuckart, 1821. The Copenhagen Rules contain no special provision as to the gender of nouns having a “-branchus” ending and for this reason and because of the “-us” termination the masculine gender was suggested when this case was referred to Dr. W. I. Follett (*Chairman of the Committee on Nomenclature of the American Society of Ichthyologists and Herpetologists*) for advice. Dr. Follett replied on 15th February 1955 giving his reasons for regarding this name as being of the neuter gender, but adding that usage had been predominantly masculine (see Document (1) in Annexe A to the present paper). It was thereupon decided to seek the views (i) of Professor the Rev. L. W. Grensted, *Consulting Classical Adviser to the Commission* and (ii) of Commissioner Robert



Mertens (*Frankfurt a.M.*). Each of these authorities replied that the acceptance of the masculine gender for this name was to be preferred on grounds both of grammar and usage. The letters received from Professor Grensted and Commissioner Mertens are reproduced as Documents (2) and (3) respectively in Annexe A to the present paper. Since the receipt of the foregoing correspondence a letter dated 9th December 1955 has been received from Dr. Follett reporting, as Chairman, that the Committee on Nomenclature of the American Society of Ichthyologists and Herpetologists as at present constituted "has voted unanimously in favour of treating as masculine every generic name having the final term *-branchus* obviously derived from the corresponding Greek word". In the same letter Dr. Follett furnished extracts from letters received from the three members of the Committee, whose views had not previously been reported to the Commission, namely:—(a) Dr. Robert Rush Miller (*University of Michigan, Ann Arbor*), who considers that the action proposed is the "wisest course"; (b) Dr. Jay M. Savage (*Pomona College, Claremont, California*), who states that he is in "whole-hearted agreement"; (c) Mr. Norman J. Wilimovsky (*Stanford University, California*), who states that he "will vote in favor" of the action recommended.

3. In the light of the advice received the Commission is recommended to give a Ruling that the masculine gender be attributed to the generic name *Cryptobranchus* Leuckart, 1821, in the entry relating thereto made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92*.

#### (b) "Eremias" Wiegmann, 1834

4. The gender attributed to the generic name *Eremias* Wiegmann, 1834, in Mr. Lelievre's Report was the masculine gender. When, however, I consulted Mr. Follett, he replied that there had been an extensive usage of the feminine gender for this name. Professor Grensted and Commissioner Mertens were thereupon consulted in this case also. Both took the view this was a word of common gender which could be treated equally correctly either as masculine or feminine. Both recommended that usage should be followed in this case and therefore that the feminine gender should be adopted for this name. The letters so received are reproduced as Documents (1) and (2) respectively in Annexe B to the present paper.

5. It is accordingly recommended that the Commission give a Ruling that the feminine gender be attributed to the generic name *Eremias* Wiegmann, 1834, in the entry relating thereto made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92*.

6. *Summary* : The recommendation now submitted is therefore that the gender to be attributed to the under-mentioned generic names



placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92* be the following :—(a) Masculine gender : *Cryptobranchus* Leuckart, 1821 (paragraph 3) ; (b) Feminine gender : *Eremias* Wiegmann, 1834 (paragraph 5).

## ANNEXE A

### The gender of the generic name “ *Cryptobranchus* ” Leuckart, 1821 (Class Amphibia)

#### Document (1)

*Extract from a letter dated 15th February 1955, from  
W. I. Follett (California Academy of Sciences, San Francisco,  
California, U.S.A.)*

I am disposed to regard the generic name *Cryptobranchus* Leuckart, 1821, as of neuter gender for the following reasons :

1. The Century Dictionary and Cyclopedia, Vol. 2, 1906, page 1380, states the derivation of *Cryptobranchus* as “ NL., Gr. κρυπτός, hidden, + βράγχος, in pl. equiv. to βράγχια gills ”.

2. Liddell and Scott, A Greek-English Lexicon, Vol. 1, 1940 (1948 reprint), page 327, gives [line 14] βραγχ - . . . [line 19] -ιον, τό, fin . . . II. in pl., gills of fishes . . . [line 29] II. βράγχος, τό, in pl. = βράγχια, Opp. H. 1. 160 ; but βράγχος, ό, in Ptol. Alm. 8. 1.

3. While the last half-dozen words in the preceding line apparently represent an exceptional masculine usage, an older edition of this work (Liddell and Scott, A Greek-English Lexicon, Based on the German Work of Francis Passow, 1852, page 276), definitely stated that βράγχος is neuter, thus : βράγχος, -εος, τό = βράγχια, Opp. (akin to ό βράγχος).

4. Roland Wilbur Brown, “ Composition of Scientific Words ” 1954, page 329 (under “ fin ”) stated, “ Gr. *branchos*, n. fin, gill . . . , ” and on page 367 (under “ gill ”), “ Gr. *branchos* n. gill, fin . . . ” On page 6, “ n ” is stated to be the abbreviation for “ neuter ”.

I must add that in the event the foregoing views should be found to be correct, this fact must assuredly cause no sense of embarrassment on the part of the exceedingly capable teacher of classical languages who services you have employed on this project, since another word βράγχος (meaning “ hoarseness ”) is in fact masculine, as indicated by Liddell and Scott, 1940, page 327, and it would obviously be a

matter of mere conjecture for a non-zoologist to determine which of these two Greek words, of identical spelling, was intended by the author of the generic name.

### Document (2)

*Extract from a letter dated 12th July 1955, from L. W. Grensted  
(Consulting Classical Adviser to the Commission)*

*Cryptobranchus* : Here Dr. Follett has given all the evidence. The situation is curious. As the new Liddell and Scott Lexicon shows, the word βράγχος only occurs twice, in two late writers, Oppianus and Ptolemaeus—in not over-reliable texts—and one, Oppianus, makes it neuter and one, Ptolemaeus, makes it masculine. I can see no reason for preferring Oppianus, except that parts of the body ending in -os are, in Greek, sometimes neuter and sometimes feminine. The evidence of Ptolemaeus undercuts the opinion of R. W. Brown, cited by Dr. Follett. So far as Classical evidence goes, as attested by the latest and best Greek Lexicon, *-branchus* may be either masculine or neuter.

I think the Commission should give a decision based on current usage, citing the above evidence, which leaves the matter completely open.

Oppianus and Ptolemaeus are approximately contemporaries—late second century (or very early third) A.D. Neither has any precedence.

### Document (3)

*Extract from a letter dated 13th July 1955, from Robert Mertens  
(Forschungs-Institut und Natur-Museum, Frankfurt a.M., Germany)*

*Cryptobranchus* is derived from the Greek word βράγχος. Since βράγχος is masculine and *Cryptobranchus* is a latinised masculine form of it, I would regard *Cryptobranchus* as masculine, as it has hitherto universally been regarded.

## ANNEXE B

**The gender of the generic name “ Eremias ” Wiegmann, 1834  
(Class Reptilia)**

### Document (1)

*Extract from a letter dated 12th July 1955, from L. W. Grensted  
(Consulting Classical Adviser to the Commission)*

*Eremias* : This is coined on the model of Latin adjectival nouns, based on the Greek. It could be masculine or feminine according to its reference. Thus *Pelias* (a daughter of *Pelias*, masc.) is feminine.

*Pelias* (a spear with a shaft from Pelion) is feminine, because *hasta*, a spear, is feminine. *Eremias* means a desert-dweller (not classical) coined from *eremia* (ἐρημία), desert. It would take its gender from the type of animal involved, *serpens* is m. of f., *draco* m., *scorpio* m., etc. etc. Again I think it is open to the Commission to decide by usage.

There is, of course, a masculine presumption unless there is some feminine flavour in the animal intended.

### Document (2)

*Extract from a letter dated 13th July 1955, from Robert Mertens (Forschungs-Institut und Natur-Museum, Frankfurt a.M., Germany)*

*Eremias* means "living in solitude" and is of Greek origin. According to our philologist colleagues *Eremias* can be used as masculine or feminine, but since it has hitherto been regarded as feminine I am in favour of this view being retained in future.

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's Report the question of the determination of the gender to be attributed to the generic names *Cryptobranchus* Leuckart, 1821, and *Eremias* Wiegmann, 1834, was allotted the Registered Number Z.N.(S.) 1021.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(56)1 :** On 23rd January 1956 a Voting Paper (V.P.(O.M.)(56)1) was issued in which each Member of the Commission was asked to state (1) whether he agreed that, "in conformity with the General Directive relating to the recording in the *Official List of Generic Names in Zoology* of the gender of each name placed thereon prior to 1948, issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, the genders severally specified in paragraph 6 of the paper bearing the Registered Number Z.N.(S.) 1021 submitted by the Secretary simultaneously



with the present Voting Paper [i.e. in the paragraph numbered as above in the Report reproduced in the first paragraph of the present *Direction*] be entered in the foregoing *Official List* as the gender attributable to the generic names *Cryptobranchus* Leuckart, 1821, and *Eremias* Wiegmann, 1834, respectively”, and (2), if he did not agree as regards either of the items included in the recommendations specified above, to indicate that item.

**4. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 23rd February 1956.

**5. Particulars of the Voting on Voting Paper V.P.(O.M.)(56)1 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(56)1 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Boschma ; Holthuis ; Hering ; Bodenheimer (*Cryptobranchus* only) ; Mayr ; Vokes ; Sylvester-Bradley ; Mertens ; Jaczewski ; Kühnelt ; Key ; Bradley (J.C.) ; Stoll ; do Amaral ; Dymond ; Lemche ; Hankó ; Tortonese ; Hemming ; Prantl ; Bonnet ; Cabrera ; Miller ;

(b) *Negative Votes, one (1) (in part) :*

Bodenheimer (*Eremias* only) ;

(c) *Voting Papers not returned, one (1) :*

Esaki.

**6. Declaration of Result of Vote :** On 28th February 1956, Mr. Hemming, Secretary to the International Commission,

acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(56)1, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**7. Preparation of the Ruling given in the present “ Direction ” :**  
On 12th June 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(56)1.

**8.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**9.** The present *Direction* shall be known as *Direction Fifty-Two (52)* of the International Commission on Zoological Nomenclature.

DONE in London, this Twelfth day of June Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.16. Pp. 319—336**

## **DIRECTION 55**

Insertion in the *Official List of Generic Names in Zoology*  
of an entry relating to the generic name *Grus* Brisson,  
1760 (Class Aves) (correction of an error in the Ruling  
given in *Opinion* 103)

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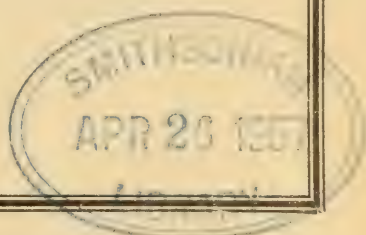
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 55

### A. The Officers of the Commission

*Honorary Life President* : Dr. KARL JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts., England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

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Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

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Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale, "G. Doria," Genova, Italy*) (16th December 1954)

## DIRECTION 55

INSERTION IN THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" OF AN ENTRY RELATING TO THE GENERIC NAME "GRUS" BRISSON, 1760 (CLASS AVES) (CORRECTION OF AN ERROR IN THE RULING GIVEN IN "OPINION" 103)

**RULING :—**(1) The entry relating to the generic name *Grus* Pallas, 1767 [sic], made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 103 is hereby deleted as being incorrect and the following revised entry bearing the same Name Number (Name No. 474) is hereby made in its place :—

*Grus* Brisson, 1760 (gender : feminine) (type species, by absolute tautonymy : *Ardea grus* Linnaeus, 1758)

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 1062 :—*grus* Linnaeus, 1758, as published in the combination *Ardea grus* (specific name of type species of *Grus* Brisson, 1760).

(3) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name No. 764 :—*Grus* Pallas, 1766 (a junior homonym of *Grus* Brisson, 1760).

(4) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name No. 364 :—*psophia* Pallas, 1767, as published in the combination *Grus psophia* (a junior objective synonym of *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans*).



## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

On 19th December 1955, Mr. Francis Hemming, as Secretary to the International Commission on Zoological Nomenclature, communicated to twenty ornithologists in various countries a note regarding certain errors which had been detected in the Ruling in regard to the generic name *Grus* Pallas, 1767 [sic] (Class Aves) given in *Opinion* 103. In the letter covering this communication Mr. Hemming invited the specialists concerned to advise the Commission as to which of two alternative courses of action they would advise it to take for the purpose of regularising the position as regards the foregoing generic name. The alternatives so submitted, which were set out in paragraph 8 of the paper distributed by Mr. Hemming, were as follows :—

8. From the particulars given above there are, it will be seen, two ways by which to secure that the nominal species *Ardea grus* Linnaeus, 1758, shall be the type species of the genus *Grus*, though under neither of these could that name be attributed to Pallas, 1767, the attribution given in *Opinion* 103. The possible alternatives are :—

- (a) to apply the ordinary provisions of the *Règles* and in consequence to accept the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy ;
- (b) to use the Plenary Powers (i) to suppress the name *Grus* Brisson, 1760, and (ii) to designate *Ardea grus* Linnaeus, 1758, to be type species of *Grus* Pallas, 1766, thus retaining the attribution of this name to Pallas, the author cited in *Opinion* 103, though with a different date and with a reference to a different work.

**2. Registration of the present application :** At the time of the discovery by Mr. Hemming of the defects in the ruling relating to the generic name *Grus* Pallas, 1767 [sic] given in *Opinion* 103 the question of the action to be taken to remedy the errors so uncovered was allotted the Registered Number Z.N.(S.) 558.

**3. Summary of the replies received from specialists to the questionnaire issued in December 1955 :** Replies were received from fourteen (14) of the twenty-four (24) specialists to whom the questionnaire referred to in paragraph 1 above was issued in December 1955. Of the specialists who furnished statements of



their views eleven (11) expressed themselves as being in favour of Alternative "A" (adoption of the generic name *Grus* as from Brisson, 1760, the author by whom it had been first published) and three (3) as being in favour of Alternative "B" (use of the Plenary Powers to retain as from 1766 the authorship of the name *Grus* for Pallas, the author to whom it had been credited in *Opinion* 103). Ten (10) of the specialists consulted did not reply to the questionnaire issued.

**4. Replies from the eleven specialists who favoured the acceptance of the generic name "Grus" as from Brisson, 1760 (Alternative "A") :** The replies received from the eleven specialists who favoured the acceptance of the generic name *Grus* as from Brisson, 1760 (Alternative "A") were as follows :—

**(1) Richard Meinertzhagen (London) (21st December 1955)**

I prefer your course "A" accepting the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species.

**(2) W. B. Alexander (Swanage, England : formerly of the Edward Grey Institute of Field Ornithology, Oxford, England) (21st December 1955)**

My opinion is that the best procedure would be to accept the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus as type.

**(3) Noël Mayaud (Faculté des Sciences de Paris) (22nd December 1955)**

Les noms de genre de Brisson étant valides, *Grus* Brisson, 1760, préoccupe *Grus* Pallas, 1766.

En conséquence le nom générique des grues doit être *Grus* Brisson, 1760. Type pas tautonymie absolue *Ardea grus* Linné, 1758, d'après "La Grue" Brisson et la première référence donnée par Brisson : *Grus* linné Syst. Nat. ed. 10. gen. 76. sp. 4 et la planche coloriée n° 199 de Martinet (Atlas des planches coloriées de Brisson).

C'est donc l'alternative "A" qui doit être adoptée. Elle a l'avantage (a) de respecter strictement la loi de priorité et (b) de respecter le logique car *Grus* Brisson désigne sans conteste possible les Grues (Cranes) *sensu stricto*, tandis que *Grus* Pallas s'applique à un oiseau qui ne fait pas partie de ce genre. Il faudrait donc outrepasser l'idée de Pallas pour appliquer *Grus* aux Grues (Cranes) *sensu stricto* chose

bien inutile quand on a le genre *Grus* Brisson, antérieur, qui s'applique parfaitement bien.

(4) **Jean Delacour** (*Los Angeles County Museum, Los Angeles, California*) (27th December 1955)

The main point is to preserve the generic name *Grus* and it seems to me that the first proposition (accepting the name *Grus* Brisson, 1760) is the simplest. However, I would agree to suppress *Grus* Brisson and to support *Grus* Pallas, 1766, if it was the opinion of the majority.

(5) **Helmuth Wagner** (*Übersee-Museum, Bremen, Germany*) (31st December 1955)

Having considered the question with other members of our staff we conclude that the point would be whether the regulation adopted in *Opinion* 103 is to be regarded as a definite settling of the status of the generic name *Grus* or not. Since we realize from your letter that *Opinions* are liable to corrections if evidence is given of their being apparently based on incomplete information we would tend to prefer a way similar to that you mention under "A" in your note. If the names of Brisson are to be regarded as available there seems to be no reason to discuss further the status of *Grus* Pallas as relevant to the establishing of that genus. The exact date of *Grus* Pallas and its type species has, however, to be determined too. The two alternatives seem to be :—

(a) to adopt *Grus* Pallas, 1766, in correction of *Grus* Pallas, 1767, and to suppress *Grus* Brisson, 1760, which name has the unquestionable rank of priority, or

(b) to consider *Grus* as being established by Brisson in 1760 in accordance with both the Law of Priority and the decision of 1950 as to the status of Brisson's names, and to place *Grus* Pallas into synonymy, while correcting the date of that name as necessary.

As (a) would involve the suppression of a name otherwise valid but (b) would account for the Law of Priority and do no harm but placing *Grus* Pallas into synonymy, we would, other things being equal, suggest following the course as outlined by you under "A" provided that the date of *Grus* Pallas is corrected which would be necessary for either way to be adopted, i.e. a course as outlined above under (b).

(6) **G. C. A. Junge** (*Rijksmuseum van Natuurlijke Historie, Leiden*) (2nd January 1956)

I am of the opinion that alternative "A" is the most logical and correct one. Thus I vote : to apply the ordinary provisions of the

*Règles* and in consequence to accept the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy.

(7) **Finn Salomonsen** (*Universitetets Zoologiske Museum, København*) (6th January 1956)

I am in agreement with the first alternative, i.e. to accept *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy. This solution has the following advantages :—

(a) the ordinary provisions of the *Règles* can be applied ;

(b) Brisson's *Grus* has priority over Pallas's *Grus* ;

(c) Brisson's *Grus* is undoubtedly a designation for the Cranes, while Pallas's *Grus* contained other, non-related birds, and the acceptance of his name might give rise to unnecessary discussions and conflicts.

(8) **K. H. Voous** (*Zoölogisch Museum, Amsterdam*) (6th January 1956)

I am much in favour of the solution mentioned by you under "A", that is, to apply the ordinary provisions of the *Règles* and in consequence to accept the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy.

Whatever may happen I should have to protest severely if the generic name *Grus*, which has been in constant use for so long a period, should be proposed to be rejected and replaced by another genus name.

(9) **J. Steinbacher** (*Senckenbergische Naturforschende Gesellschaft, Frankfurt a.M., Germany*) (9th January 1956)

I wish to inform you that I would like to give my consent to the first alternative, i.e. to apply the ordinary provisions of the *Règles* and in consequence to accept the name *Grus* Brisson, 1760, with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy.

(10) **B. Rensch** (*Zoologisches Institut der Westfälischen Wilhelms-Universität, Münster, Germany*) (10th January 1956)

Meines Erachtens ist eine eindeutige Entscheidung in diesem Falle ohnehin nicht möglich, da man für beide Entscheidungen gute Gründe angeben kann. Im Ganzen halte ich es aber doch für zutreffend die



unter 8 (a) getroffene Entscheidung zu bevorzugen, d.h. die Namen *Grus* Brisson, 1760, anzunehmen mit *Ardea grus* Linnaeus, 1758, als typische Art.

- (11) **Ernst Mayr** (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (26th January 1956)

For several reasons I would prefer to accept the name *Grus* of Brisson, 1760, which is not only what had been done by ornithologists for many years (until someone thought one had to ignore the Brisson names), but it also eliminates a number of difficulties associated with the name *Grus* Pallas, 1766. Such an acceptance of the Brisson name would be distinctly in line with the recent trend to revert to the traditional acceptance of Brissonian generic names. It seems to me, therefore, that there are four independent reasons for entering Brisson in the *Official List* as the author of *Grus* :—(1) priority, (2) the traditional acceptance of Brisson as the author during most of the eighteenth and nineteenth centuries, (3) the avoidance of the difficulties associated with *Grus* Pallas, and (4) the recent trend to restore Brissonian names to their formerly held rank.

**5. Replies from the three specialists who favoured the use by the International Commission of its Plenary Powers to secure that the generic name “*Grus*” should rank from Pallas, 1766 (Alternative “B”):** The replies received from the three specialists who favoured the use by the International Commission of its Plenary Powers for the purpose of securing that the generic name *Grus* should rank from Pallas, 1766, instead of from Brisson, 1760 (Alternative “B” were as follows :—

- (1) **G. Niethammer** (*Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany*) (22nd December 1955)

I agree with your second alternative “B”, i.e. *Grus* Pallas, 1766.

- (2) **Alden H. Miller** (*Museum of Vertebrate Zoology, University of California, Berkeley, California*) (28th December 1955)

I would favor your alternative “B”. It seems to me this procedure would cause the least change in current usage and not re-open old questions concerning Brisson. The use of *Grus* of Pallas is in line with very thoroughly established handbooks like the British handbook, AOU and Peters.

(3) **G. Diesselhorst** (*Zoologische Sammlung des Bayerischen Staates, München, Germany*) (5th February 1956)

Having studied the problem in question I should think it least troublesome for the stability of nomenclature to use the Plenary Powers for suppressing the name *Grus* Brisson, 1760, and to designate *Ardea grus* Linnaeus, 1758, to be the type species of *Grus* Pallas, 1766, as in Alternative "B" of your sheet.

**6. Submission to the International Commission on Zoological Nomenclature in April 1956 of proposals for rectifying the defects in the Ruling relating to the generic name "Grus" Pallas, 1767 [sic] given in "Opinion" 103 :** On 25th April 1956, Mr. Hemming submitted to the International Commission a paper in which, after drawing attention to the defects in the Ruling relating to the generic name *Grus* Pallas, 1767 [sic] given in *Opinion* 103 and giving particulars of the views expressed by the specialists who had been consulted in this matter (paragraph 3 above), he set out two alternative courses of action which the Commission, if it so desired, might take for the purpose of regularising the entry regarding the foregoing name made on the *Official List of Generic Names in Zoology* by the Ruling given in the *Opinion* referred to above. The alternatives so set out corresponded with those which Mr. Hemming had previously placed before the specialists whom he had consulted in this case, i.e. those quoted in the first paragraph of the present *Direction*. The paper submitted to the Commission by Mr. Hemming was as follows :—

**Proposed correction of an erroneous entry on the "Official List of Generic Names in Zoology" in regard to the generic name "Grus" (Class Aves) made by the Ruling given in "Opinion" 103**

By FRANCIS HEMMING, C.M.G., C.B.E.

(*Secretary to the International Commission on Zoological Nomenclature*)

Among the *Opinions* rendered by the International Commission in the pre-Lisbon (1935) period in which errors have been detected in course of the preparation of the *Official List of Generic Names in Zoology* for publication in book form is *Opinion* 103 in which the generic name *Grus* Pallas, 1767, was placed on the above *List* with *Ardea grus* Linnaeus, 1758 (a non-included species) as type species.



The purpose of the present paper is to lay the relevant facts before the Commission and to seek a decision on the action to be taken to provide a valid entry on the *Official List* in regard to the foregoing name.

2. The following are the relevant facts in the present case :—

- (1) The generic name *Grus* was first published by Brisson in 1860 (*Ornithologia* 5 : 374—391). Brisson, whose *Ornithologia* has been validated by the Commission under its Plenary Powers by the Ruling given in *Direction* 16 (1955, *Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 81—88), used the name *Grus* for a subgenus of the genus *Ciconia*. He placed a number of species in *Grus*, one of these being *Ardea grus* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 141). Brisson did not designate or indicate a type species for *Grus* under Rules (a), (b) or (c) in Article 30 and in consequence under Rule (d) in that Article *Ardea grus* Linnaeus, 1758, is the type species of *Grus* Brisson, 1760, by absolute tautonymy.
- (2) In 1766 the name *Grus* was published as an apparently new name by Pallas (*Miscell. Zool.* : 65). The main purpose of Pallas's paper, which was headed "GRUS CREPITANS seu PSOPHIA LINNEI", was to describe a specimen of the species to which in 1758 (: 154) Linnaeus had given the name *Psophia crepitans*. This was the only nominal species which he included in his genus *Grus* and is therefore the type species by monotypy.
- (3) In 1767 (*Spicil. Zool.* 4 : 1) Pallas again used the name *Grus*. This paper was substantially the same as that which he had published a year earlier in the *Miscell. Zool.*, being also concerned with the description of a specimen of the species which in 1758 Linnaeus had named *Psophia crepitans*. In this paper Pallas renamed this species *Grus psophia* (: 1), presumably because, although he was rejecting the word "*Psophia*" as a generic name, he wished to perpetuate in some way the word used by Linnaeus for this species in 1758 and thought that this might conveniently be done by employing it as a specific name in place of the name *crepitans*.
- (4) On some date not now known the Commission adopted *Opinion* 103 (published in 1928 (*Smithson. misc. Coll.* 73 No. 5) : 21—24), in which it placed the generic name *Grus* Pallas, 1767 (*Spicil. Zool.*) on the *Official List of Generic Names in Zoology* with *Ardea grus* Linnaeus, 1758, as type species by absolute tautonymy. In the paper on which this *Opinion* was based no reference was made either to the earlier name *Grus* Brisson, 1760, or to the earlier usage by Pallas himself of the name *Grus* in the *Miscell. Zool.* of 1766. These matters therefore were not considered by the Commission. It was however



aware that the nominal species *Ardea grus* Linnaeus, 1758, was not mentioned by Pallas in his 1767 paper and therefore that it was not an originally included species of the genus *Grus*. An attempt was made to get over this difficulty by arguing that in establishing the genus *Grus*, Pallas must have been aware that in 1758 Linnaeus had used the term "Grues" to denote four species (of which one was *Ardea grus*) placed by him in the genus *Ardea* and therefore that it would be reasonable to infer that Pallas looked upon *Ardea grus* Linnaeus as belonging to his (Pallas's) genus *Grus* of 1767. This argument is invalid since the only species which are eligible for selection as the type species of a genus established before 1931 without a designated or indicated type species are the nominal species cited (including nominal species cited in synonymy) by the author of the generic name at the time when that name was first published.

3. The question now to be considered is what action the Commission should take to regularise the situation created by the Ruling given in *Opinion* 103. Broadly speaking, there are two courses open to the Commission, the adoption of either of which would ensure the continued use of the generic name *Grus* in its accustomed sense. First, the Commission could accept the name *Grus* as from Brisson, 1760, the first occasion on which it was validly published, the type species in this case being *Ardea grus* Linnaeus, 1758, the species currently accepted as the type species of the genus *Grus*. Second, the Commission could use its Plenary Powers to validate *Grus* as from Pallas, 1766, with the above species as type species by (a) suppressing *Grus* Brisson, 1760, and (b) designating *Ardea grus* Linnaeus as the type species of *Grus* Pallas, so validated. This second course would substantially validate the incorrect Ruling in *Opinion* 103, the only difference being that *Grus* would rank from Pallas's *Miscell. Zool.* of 1766 instead of from that author's *Spicil. Zool.* of 1767. If it were desired to validate this further mistake in *Opinion* 103, it would be necessary for the Commission to suppress *Grus* Pallas, 1766, as well as *Grus* Brisson, 1760, a course which it can hardly be supposed would find any support.

4. In order to test the views of specialists, a note summarising the unfortunate history of this case and setting out the two main alternatives outlined above, was addressed in December 1955 to twenty ornithologists (who on previous occasions had shown themselves interested in nomenclature by furnishing comments), under cover of a letter asking them to state for the information of the Commission which of the foregoing alternatives it was, in their opinion, desirable that the Commission should adopt. Replies have now been received

from fourteen of the specialists consulted. These replies may be classified as follows :—

- (1) *In favour of applying the normal provisions of the “ Règles ”, that is, in favour of accepting “ Grus ” from Brisson, 1760, with “ Ardea grus ” Linnaeus, 1758, as type species (eleven (11) specialists)*<sup>1</sup> :

W. B. Alexander (*Edward Grey Institute of Field Ornithology, Oxford, England*)

Jean Delacour (*Los Angeles County Museum, Los Angeles, California, U.S.A.*)

G. C. A. Junge (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)

Noël Mayaud (*Faculté des Sciences de Paris*)

Ernst Mayr (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*)

Richard Meinertzhagen (*London*)

B. Rensch (*Zoologisches Institut der Westfälischen Wilhelms-Universität, Münster, Westf., Germany*)

Finn Salomonsen (*Universitetets Zoologiske Museum, Copenhagen*)

Joachim Steinbacher (*Senckenbergische Naturforschende Gesellschaft, Frankfurt a.M., Germany*)

Helmuth Wagner (*Übersee-Museum, Bremen, Germany*)

K. H. Voous (*Zoologisch Museum, Amsterdam, The Netherlands*)

- (2) *In favour of using the Plenary Powers (a) to validate the name “ Grus ” as from Pallas, 1766, and (b) to designate “ Ardea grus ” Linnaeus, 1758, to be the type species of the foregoing genus (three (3) specialists)*<sup>2</sup>

G. Diesselhorst (*Ornith. Abteilung, Sammlung des Bayerischen Staates, München, Germany*)

Alden H. Miller (*Museum of Vertebrate Zoology, University of California, Berkeley, U.S.A.*)

G. Niethammer (*Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany*)

5. It will be seen from the above particulars that by a large majority (11 to 3) the ornithologists who have advised on this case support the acceptance of the generic name *Grus* as from Brisson, 1760, the first author by whom it was published, and are opposed to the use of the Plenary Powers for the purpose of validating this name as from its later usage by Pallas in 1766.

<sup>1</sup> For the communications received from the eleven specialists here enumerated see paragraph 4 of the present *Direction*.

<sup>2</sup> For the communications received from the three specialists here enumerated see paragraph 5 of the present *Direction*.



6. The present is one of the cases concerning defective entries made in the *Official List of Generic Names in Zoology* by Rulings given in *Opinions* rendered in the pre-1935 (Lisbon) period on which a decision is needed before the volume containing particulars of the entries so far made in the *Official List* can be published. It is accordingly submitted to the Commission for consideration in the light of the views which have been collected from specialists as set out in paragraph 4 above.

7. The Commission is accordingly invited to choose between the following two alternatives :—

(1) ALTERNATIVE "A" : Under this Alternative the normal provisions of the *Règles* would be applied in this case, the oldest available name (*Grus* Brisson, 1760) being adopted for the genus concerned. The Ruling which would result from the adoption by the Commission of this Alternative is shown in Section (1) of the Annexe attached to the present note.

(2) ALTERNATIVE "B" : Under this Alternative the Commission would use its Plenary Powers (a) to suppress the oldest available name (*Grus* Brisson, 1760) for the genus concerned and (b) to designate *Ardea grus* Linnaeus, 1758, to be the type species of *Grus* Pallas, 1766, which would then become the oldest available name for the genus in question. The Ruling which would result from the adoption by the Commission of this Alternative is shown in Section (2) of the Annexe attached to the present note.

8. *Supplementary action required* : Under the General Directive issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that in its *Opinions* it is to deal with all names involved in cases submitted to it, the names *Psophia* Linnaeus, 1758, and *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans*, should be placed on the appropriate *Official Lists* and the name *psophia* Pallas, 1767, as published in the combination *Grus psophia* (an invalid *nom. nov.* for *crepitans* Linnaeus, 1758) should be placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*. The required action has already been taken or is in process of being taken as regards the first two of the above names, for the name *Psophia* Linnaeus, 1758, was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 67, while by a vote recently taken on Voting Paper V.P.(O.M.)(55)31 the Commission has decided to place the name *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans*, on the *Official List of Specific Names in Zoology*. The decision so taken has been embodied in *Direction* 43, which it is expected will be published at an early date.<sup>3</sup> The only action now called for is therefore the addition of the invalid specific name *psophia* Pallas, 1767, to the *Official Index*.

<sup>3</sup> *Direction* 43 was published on 19th October 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 1(D) : 171—210).



## ANNEXE

**Rulings regarding the generic name "Grus" which would result from the adoption by the International Commission of Alternative "A" and of Alternative "B" respectively**

## Section (1) of Annexe

## ALTERNATIVE "A"

**Draft Ruling applying the normal provisions of the  
"Règles"**

DRAFT RULING :—(1) The entry relating to the generic name *Grus* Pallas, 1767 [sic], made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 103 is hereby deleted as being incorrect and the following revised entry is hereby made in its place :—*Grus* Brisson, 1760 (gender : feminine) (type species, by absolute tautonymy : *Ardea grus* Linnaeus, 1758).

(2) The under-mentioned name is hereby placed on the *Official List of Specific Names in Zoology* :—*grus* Linnaeus, 1758, as published in the combination *Ardea grus* (specific name of type species of *Grus* Brisson, 1760).

(3) The under-mentioned name is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—*Grus* Pallas, 1766 (a junior homonym of *Grus* Brisson, 1760).

(4) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* :—*psophia* Pallas, 1767, as published in the combination *Grus psophia* (a junior objective synonym of *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans*).

## Section (2) of Annexe

## ALTERNATIVE "B"

**Draft Ruling involving the use of the Plenary Powers to suppress "Grus" Brisson, 1760, to validate "Grus" Pallas, 1766, and to vary the type species of the genus so named**

DRAFT RULING :—(1) The following action is hereby taken under the Plenary Powers :—

- (a) The generic name *Grus* Brisson, 1760, is hereby suppressed for the purposes both of the Law of Priority and of the Law of Homonymy.

- (b) All designations and selections of a type species for the genus *Grus* Pallas, 1766, are hereby set aside and the nominal species *Ardea grus* Linnaeus, 1758, is hereby designated to be the type species of the foregoing genus.

(2) The entry relating to the generic name *Grus* Pallas, 1767, [sic], made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 103 is hereby deleted and the following revised entry is hereby made in its place :—*Grus* Pallas, 1766 (gender : feminine) (type species, by designation under the Plenary Powers under (1)(b) above : *Ardea grus* Linnaeus, 1758).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* :—*grus* Linnaeus, 1758, as published in the combination *Ardea grus* (specific name of type species of *Grus* Brisson, 1760).

(4) The generic name *Grus* Brisson, 1760, as suppressed under the Plenary Powers under (1)(a) above is hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

(5) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* :—*psophia* Pallas, 1767, as published in the combination *Grus psophia* (a junior objective synonym of *crepitans* Linnaeus, 1758, as published in the combination *Psophia crepitans*).

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**7. Issue of Voting Paper V.P.(O.M.)(56)3 :** On 25th April 1956 a Voting Paper (V.P.(O.M.)(56)3) was issued in which the Members of the Commission were invited to vote either (1) "for "Alternative 'A'" as set out in the first part of the Annexe to the paper numbered Z.N.(S.) 558 relating to the generic name *Grus* submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the first part of the Annexe to the paper reproduced in paragraph 6 of the present *Direction*] (proposal that the normal provisions in the *Règles* be applied in this case) ; or (2) for "Alternative 'B'" as set out in the second part of the

Annexe to the paper numbered Z.N.(S.) 558 relating to the generic name *Grus* referred to above (proposal that the Plenary Powers be used to suppress *Grus* Brisson, 1760, to validate *Grus* Pallas, 1766, and to vary the type species of the latter genus)".

**8. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 25th May, 1956.

**9. Particulars of the Voting on Voting Paper V.P.(O.M.)(56)3 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(56)3 was as follows :—

(a) *Affirmative Votes in favour of the proposal styled "Alternative 'A'" had been received from the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Boschma ; Stoll ; Vokes ; Hering ; Miller ; Prantl ; Bodenheimer ; Cabrera ; Esaki ; Mayr ; do Amaral ; Lemche ; Hankó ; Dymond ; Mertens ; Key ; Jaczewski ; Bonnet ; Hemming ; Sylvester-Bradley ; Riley ; Kühnelt ; Tortonese ;

(b) *Affirmative Votes in favour of the proposal styled "Alternative 'B'" :*

None ;

(c) *On Leave of Absence, one (1) :*

Bradley (J.C.) ;

(d) *Voting Papers not returned :*

None.



**10. Declaration of Result of Vote :** On 7th June 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(56)3, signed a Certificate that the Votes cast were as set out in paragraph 9 above and declaring that the proposal styled "Alternative 'A'" submitted with the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**11. Preparation of the Ruling given in the present " Direction " :** On 25th September 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(56)3.

**12. Original References :** The following are the Original References for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Direction* :—

*Grus* Brisson, 1760, *Ornithologia* **5** : 374—391

*Grus* Pallas, 1766, *Miscell. Zool.* : 65

*grus* (*Ardea*), Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 141

*psophia* (*Grus*), Pallas, 1767, *Spicil. Zool.* **4** : 1

**13. Family-Group-Name Problems :** The family-group-name problem involved in the present case will be dealt with on a later occasion when comprehensive proposals will be submitted to the International Commission in regard to the problems arising in connection with this category of name involved in the Rulings given prior to the end of 1936 in *Opinions* in which the names of genera in the Class Aves were placed on the *Official List of Generic Names in Zoology*.

**14.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly

hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**15.** The present *Direction* shall be known as *Direction* Fifty-Five (55) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Fifth day of September, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.17. Pp. 337—364**

## **DIRECTION 56**

Completion and in certain cases correction of entries relating to the names of genera belonging to the Classes Pisces, Amphibia and Reptilia made in the *Official List of Generic Names in Zoology* in the period up to the end of 1936

**LONDON:**

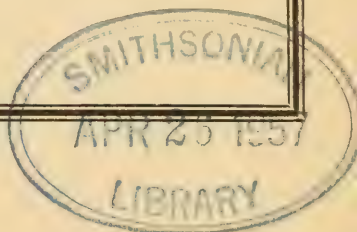
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 56

### A. The Officers of the Commission

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Zoological Museum, Tring, Herts., England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*  
(12th August 1953))

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(*arranged in order of precedence by reference to date of election or of most recent re-election  
as prescribed by the International Congress of Zoology*)

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(1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th  
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(12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation,  
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(29th October 1954)

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October 1954)

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Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November  
1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge,  
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*)  
(16th December 1954)

## DIRECTION 56

### COMPLETION AND IN CERTAIN CASES CORRECTION OF ENTRIES RELATING TO THE NAMES OF GENERA BELONGING TO THE CLASSES PISCES, AMPHIBIA AND REPTILIA MADE IN THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936

**RULING :—**(1) In the case of each of the under-mentioned names of genera belonging to the Class Pisces the incorrect statement that the type species was determined by subsequent selection under Rule (g) in Article 30 entered in the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 77 is hereby deleted and the entry "type species by Linnean tautonymy"<sup>1</sup> is hereby inserted in its place :—

- (i) *Acipenser* Linnaeus, 1758 (Name No. 249) ;
- (ii) *Chimaera* Linnaeus, 1758 (Name No. 251) ;
- (iii) *Cyclopterus* Linnaeus, 1758 (Name No. 255) ;
- (iv) *Silurus* Linnaeus, 1758 (Name No. 270).

(2) In the case of each of the under-mentioned names of genera belonging to the Class Pisces the entry made in the *Official List of Generic Names in Zoology* by the Rulings given in the *Opinions* severally specified below is hereby completed by the insertion of a statement that the type species of the genus so named was determined by selection under Rule (g) in Article 30 by the author and on the date specified in each case below :—

(a) Names placed on the "Official List of Generic Names in Zoology" by the Ruling given in "Opinion" 77 :

- (i) *Callionymus* Linnaeus, 1758 : by selection by Bleeker (1879) ;

---

<sup>1</sup> The expression "Linnean tautonymy" was introduced by the International Commission in *Declaration* 29 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 14 : xxv—xxxii).

- (ii) *Clupea* Linnaeus, 1758 : by selection by Gill (1862) ;
- (iii) *Coryphaena* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (iv) *Cyprinus* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (v) *Gadus* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (vi) *Gasterosteus* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (vii) *Gobius* Linnaeus, 1758 : by selection by Gill (1863) ;
- (viii) *Lophius* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (ix) *Mormyrus* Linnaeus, 1758 : by selection by Jordan & Evermann (1917) ;
- (x) *Mullus* Linnaeus, 1758 : by selection by Bleeker (1876) ;
- (xi) *Perca* Linnaeus, 1758 : by selection by Gill (1862) ;
- (xii) *Salmo* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (xiii) *Scomber* Linnaeus, 1758 : by selection by Gill (1863) ;
- (xiv) *Scorpaena* Linnaeus, 1758 : by selection by Bleeker (1876) ;
- (xv) *Syngnathus* Linnaeus, 1758 : by selection by Jordan (1912) ;
- (xvi) *Zeus* Linnaeus, 1758 : by selection by Gill (1863) ;



(b) *Names placed on the " Official List of Generic Names in Zoology " by the Ruling given in " Opinion " 92 :*

- (i) *Blennius* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (ii) *Esox* Linnaeus, 1758 : by selection by Jordan & Gilbert (1882) ;
- (iii) *Ophidion* Linnaeus, 1758 : by selection by Gill (1864).

(3) In the case of each of the under-mentioned names of genera belonging to the Class Reptilia the entry made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 92 is hereby completed by the insertion of a statement that the type species of the genus so named was determined by selection under Rule (g) in Article 30 by the author and on the date severally specified below :—

- (a) *Crotalus* Linnaeus, 1758 : by selection by Fitzinger (1843) ;
- (b) *Lacerta* Linnaeus, 1758 : by selection by Fitzinger (1843).

(4) The date " 1849 " attributed to the generic name *Desmognathus* Baird (Class Amphibia) when that name was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 92 is hereby deleted and the date " (1850) " is hereby inserted in its place.

(5) The entry on the *Official List of Generic Names in Zoology* regarding the generic name *Desmognathus* Baird referred to in (4) is hereby completed by the insertion of a statement that the type species of the genus so named was determined by selection under Rule (g) in Article 30 by Stejneger & Barbour in 1917.

(6) The entry on the *Official List of Generic Names in Zoology* of a generic name spelled *Coryhaena* and

attributed to Linnaeus, 1758, inadvertently made by the Ruling given in *Opinion* 77 is hereby corrected to *Coryphaena* Linnaeus, 1758.

(7) The incorrect entry of *Eleotris gyrinus* Cuvier & Valenciennes, 1837, as the name of the type species of the genus *Eleotris* Schneider, 1801, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 93 is hereby deleted and the name *Gobius pisonis* Gmelin (J.F.), [1789], is hereby inserted in its place.

(8) The under-mentioned correction is hereby made in the entry relating to the generic name *Calamaria* Boie (Class Reptilia) made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 92 : The entry “ 1827 ” as the date of publication of the foregoing generic name is hereby deleted and the entry “ 1826 ” is hereby inserted in its place.

(9) The entry on the *Official List of Generic Names in Zoology* relating to the generic name *Dermochelys* Blainville, 1816 (Class Reptilia), made by the Ruling given in *Opinion* 92 is hereby completed by the insertion of the words “ by monotypy, through Cuvier (1829) ” as indicating the manner by which the type species of this genus was determined under Article 30 of the *Règles*.

(10) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (i) *Acipenses* Linck, 1790 (an Erroneous Subsequent Spelling for *Acipenser* Linnaeus, 1758) (Name No. 765) ;
- (ii) *Ammodytes* Bonaparte, 1831 (a junior homonym of *Ammodytes* Linnaeus, 1758) (Name No. 766) ;

- (iii) *Anarhicas* Latreille, 1804 (an Erroneous Subsequent Spelling for *Anarhichas* Linnaeus, 1758 (Name No. 767) ;
- (iv) *Calliongmus* Linck, 1790 (an Erroneous Subsequent Spelling for *Callionymus* Linnaeus, 1758) (Name No. 768) ;
- (v) *Callionimus* Gouan, 1770 (an Erroneous Subsequent Spelling for *Callionymus* Linnaeus, 1758) (Name No. 769) ;
- (vi) *Chimaera* Poli, 1791 (a junior homonym of *Chimaera* Linnaeus, 1758) (Name No. 770) ;
- (vii) *Chimaera* Ochsenheimer, 1808 (a junior homonym of *Chimaera* Linnaeus, 1758) (Name No. 771) ;
- (viii) *Chimaera* Hitchcock, 1858 (a junior homonym of *Chimaera* Linnaeus, 1758) (Name No. 772) ;
- (ix) *Chimaira* Duméril, 1856 (an Erroneous Subsequent Spelling for *Chimaera* Linnaeus, 1758) (Name No. 773) ;
- (x) *Coregonus* Lacépède, 1803 (a junior homonym of *Coregonus* Linnaeus, 1758) (Name No. 774) ;
- (xi) *Coregonus* Jarocki, 1822 (a junior homonym of *Coregonus* Linnaeus, 1758) (Name No. 775) ;
- (xii) *Coriudo* Fleming, 1822 (a junior objective synonym of *Dermochelys* Blainville, 1816) (Name No. 776) ;
- (xiii) *Coryhaena* Stiles, 1922 (an Erroneous Subsequent Spelling for *Coryphaena* Linnaeus, 1758) (Name No. 777) ;
- (xiv) *Coryphaena* Coues, 1889 (a *nomen nudum*) (Name No. 778) ;



- (xv) *Cyclopterus* Marseul, 1872 (a junior homonym of *Cyclopterus* Linnaeus, 1758) (Name No. 779) ;
- (xvi) *Dermatochelys* Wagler, 1830 (a junior objective synonym of *Dermochelys* Blainville, 1816) (Name No. 780) ;
- (xvii) *Dermochelis* Lesueur, 1829 (an Erroneous Subsequent Spelling for *Dermochelys* Blainville, 1816) (Name No. 781) ;
- (xviii) *Diodon* O'Reilly, 1818 (a junior homonym of *Diodon* Linnaeus, 1758) (Name No. 782) ;
- (xix) *Diodon* Lesson, 1828 (a junior homonym of *Diodon* Linnaeus, 1758) (Name No. 783) ;
- (xx) *Diodon* Lesson, 1830 (a junior homonym of *Diodon* Linnaeus, 1758) (Name No. 784) ;
- (xxi) *Draco* Gouan, 1770 (a junior homonym of *Draco* Linnaeus, 1758) (Name No. 785) ;
- (xxii) *Draco* Oken, 1816 (a junior homonym of *Draco* Linnaeus, 1758) (Name No. 786) ;
- (xxiii) *Eleotris* Gronovius, 1763 (a name published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 261) (Name No. 787) ;
- (xxiv) *Fistularia* Forskål, 1775 (a junior homonym of *Fistularia* Linnaeus, 1758) (Name No. 788) ;
- (xxv) *Fistularia* Müller (O.F.), 1776 (a junior homonym of *Fistularia* Linnaeus, 1758) (Name No. 789) ;
- (xxvi) *Fistularia* Lamarck, 1816 (a junior homonym of *Fistularia* Linnaeus, 1758) (Name No. 790) ;
- (xxvii) *Fistularia* Blainville, 1830 (a junior homonym of *Fistularia* Linnaeus, 1758) (Name No. 791) ;

- (xxviii) *Fistularia* Bowerbank, 1841 (a junior homonym of *Fistularia* Linnaeus, 1758) (Name No. 792) ;
- (xxix) *Gadus* Dejean, 1821 (a junior homonym of *Gadus* Linnaeus, 1758) (Name No. 793) ;
- (xxx) *Gadus* Rang, 1829 (a junior homonym of *Gadus* Linnaeus, 1758) (Name No. 794) ;
- (xxxi) *Gadus* Deshayes, 1861 (a junior homonym of *Gadus* Linnaeus, 1758) (Name No. 795) ;
- (xxxii) *Gymnothorax* Cuvier, [1800] (a *nomen nudum*) (Name No. 796) ;
- (xxxiii) *Gymnothorax* Duda, 1923 (a junior homonym of *Gymnothorax* Bloch, 1795) (Name No. 797) ;
- (xxxiv) *Mabouia* Cuvier, 1829 (an Erroneous Subsequent Spelling for *Mabuya* (Rafinesque) Fitzinger, 1826) (Name No. 798) ;
- (xxxv) *Mabouya* Duméril & Bibron, 1839 (an Erroneous Subsequent Spelling for *Mabuya* (Rafinesque) Fitzinger, 1826) (Name No. 799) ;
- (xxxvi) *Mabuia* Cuvier, 1829 (an Erroneous Subsequent Spelling for *Mabuya* (Rafinesque) Fitzinger, 1826) (Name No. 800) ;
- (xxxvii) *Mabuya* Rafinesque, 1815 (a *nomen nudum*) (Name No. 801) ;
- (xxxviii) *Malapterus* Jarocki, 1822 (an Erroneous Subsequent Spelling for *Malapterurus* Lacépède, 1803) (Name No. 802) ;
- (xxxix) *Malapturus* Swainson, 1838 (an Erroneous Subsequent Spelling for *Malapterurus* Lacépède, 1803) (Name No. 803) ;
- (xl) *Mugie* Macklot, 1830 (an Erroneous Subsequent Spelling for *Mugil* Linnaeus, 1758) (Name No. 804) ;

- (xli) *Mustellus* Fischer de Waldheim, 1813 (an Erroneous Subsequent Spelling for *Mustelus* Linck, 1790) (Name No. 805) ;
- (xlii) *Ophidion* Pomel, 1853 (a junior homonym of *Ophidion* Linnaeus, 1758) (Name No. 806) ;
- (xliii) *Ophidium* Linnaeus, 1766 (an Invalid Emendation of *Ophidion* Linnaeus, 1758) (Name No. 807) ;
- (xliv) *Siren* Hermann, 1783 (a junior homonym of *Siren* Linnaeus, 1766) (Name No. 808) ;
- (xlv) *Sirena* Fischer de Waldheim, 1808 (an Invalid Emendation of *Siren* Linnaeus, 1766) (Name No. 809) ;
- (xlvi) *Sirene* Oken, 1816 (an Invalid Emendation of *Siren* Linnaeus, 1766 ; published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 417 (Name No. 810) ;
- (xlvii) *Sphargis* Merrem, 1820 (a junior objective synonym of *Dermochelys* Blainville, 1816) (Name No. 811) ;
- (xlviii) *Syngnathus* Rafinesque, 1810 (a junior homonym of *Syngnathus* Linnaeus, 1758) (Name No. 812) ;
- (xlix) *Teuthis* Schneider, 1784 (a junior homonym of *Teuthis* Linnaeus, 1766) (Name No 813) ;

(11) The under-mentioned specific names are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (i) *mercurialis* Merrem, 1820, as published in the combination *Sphargis mercurialis* (a junior objective synonym of *coriacea* Linnaeus, 1766, as published in the combination *Testudo coriacea*) (Name No. 365) ;



- (ii) *alleghaniensis* Harlan, 1825, as published in the combination *Abranchus alleghaniensis* (an Invalid Emendation of *alleganiensis* Daudin, [1803], as published in the combination *Salamandra alleganiensis*) (Name No. 366) ;

## I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* embodies decisions taken by the International Commission on Zoological Nomenclature for the purpose of completing, and, where necessary, of correcting, the entries in regard to the names of genera belonging to the Classes Pisces, Amphibia and Reptilia placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, this action being a necessary preliminary to the publication of the *Official List* in book-form. The proposals upon which the decisions taken in the present case were based were submitted to the International Commission by the Secretary on 25th April 1956 in the following paper :—

**Proposed completion and correction of entries relating to the names of genera belonging to the Classes Pisces, Amphibia and Reptilia made in the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The present paper contains particulars of various minor errors and omissions in the entries relating to the names of genera of the Classes Pisces, Amphibia and Reptilia which were made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936.

Proposals are submitted for rectifying these defects. The action called for, which falls into various groups, is described in the following paragraphs.

**(1) Correction of erroneous entries on the "Official List" as to the Rule in Article 30 of the "Règles" under which the type species of four genera belonging to the Class Pisces were determined**

2. In *Opinion 77* the names of four genera (*Acipenser* ; *Chimaera* ; *Cyclopterus* ; *Silurus*) published by Linnaeus in 1758 and belonging to the Class Pisces, were placed on the *Official List of Generic Names in Zoology* with the intimation, through the use of the symbol "tsd" [= type by subsequent designation], that in each case the type species had been determined under Rule (g) (type species by subsequent selection) in Article 30. When making the foregoing entries, the Commission must have inadvertently failed to recall that the Rules in Article 30 operate successively and that for any given name Rule (g) becomes applicable only after it has been established that none of the earlier Rules in that Article apply. In the case of the generic names cited above no type species was designated by the original author under Rule (a) ; nor was a type species indicated under either Rule (b) (indication of type species through the use for an included species of the specific name "*typus*" or "*typicus*" as a new name) or under Rule (c) (indication of type species by monotypy). The position is, however, quite different when we come to Rule (d) (indication of type species by absolute tautonymy). In none of the cases under consideration was there included a species having a specific name consisting of the same word as that of which the generic name concerned was composed. But in each case a tautonymous pre-1757 universal species-name was cited in the synonymy of one, and only one, of the included species. Under the Ruling given in *Opinion 16*, later incorporated into the *Règles* by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 155) the inclusion in a new genus established prior to 1st January 1931 of a nominal species in the synonymy of which such a pre-1757 species-name is cited, constitutes the indication of that species under Rule (d) in Article 30 as the type species of the genus concerned. It may be noted as somewhat curious that in *Opinion 16* the Commission had actually cited each of the names with which we are concerned in a list of the names of genera, the type species of which were determinable under the interpretation of Rule (d) in Article 30 then propounded.

3. In order to rectify the position disclosed above it is proposed that the incorrect notation "type by subsequent designation" be expunged from the entry on the *Official List* relating to each of the four generic names discussed above and that in its place there be



inserted a note that the type species of the genus concerned was determined under Rule (d) in Article 30 as interpreted by *Opinion* 16, i.e. under what has come to be known as Linnean tautonymy.<sup>2</sup>

**(2) Proposed insertion in the " Official List " of particulars as to how the type species of certain genera were determined under Article 30 of the " Règles "**

4. In *Opinion* 77 the names of the following sixteen genera belonging to the Class Pisces were placed on the *Official List of Generic Names in Zoology* with no information as to how the species there specified had become the type species of the genera concerned, apart from the entirely inadequate symbol " tsd " [= type by subsequent designation] :—

*Callionymus* ; *Clupea* ; *Coryphaena* ; *Cyprinus* ; *Gadus* ;  
*Gasterosteus* ; *Gobius* ; *Lophius* ; *Mormyrus* ; *Mullus* ; *Perca* ;  
*Salmo* ; *Scomber* ; *Scorpaena* ; *Syngnathus* ; *Zeus*.

5. In *Opinion* 92 the names of six genera of the groups with which we are here concerned were placed on the *Official List* with no indication whatever as to how the type species of the genera concerned had been determined under Article 30. The names in question were the following :—

Class Pisces : *Blennius* ; *Esox* ; *Ophidion* ;  
 Class Reptilia : *Crotalus* ; *Lacerta* ;  
 Class Amphibia : *Desmognathus*.

6. For each of the sixteen names specified in paragraph 4 above and of the six names specified in paragraph 5 above, it has been necessary to undertake a search of the literature (i) to ascertain by whom, when and where one of the originally included species was selected to be the type species of the nominal genus concerned, (ii) to check whether that species is the species adopted as such in the *Official List*, (iii) to determine whether the species concerned is currently accepted by specialists as the type species, and (iv) to establish whether the specific name of the nominal species which is the type species is an available name and is moreover accepted by specialists as the oldest such name for the species in question. The first of these tasks proved unusually laborious, so far as the names of fishes were concerned, owing to the paucity of reliable catalogues dealing with this group. However, the search of the literature of all three groups concerned ultimately established (a) that the species adopted in the

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<sup>2</sup> See Footnote 1.



*Official List* as the type species of the various genera are currently accepted as such (b) that each of these species has been selected as the type species in accordance with the requirements of Rule (g) in Article 30 and (c) that there is no evidence to suggest as regards any of the nominal genera concerned that any other included species was selected as the type species prior to the selection of the species currently accepted as such. In some cases the earliest selection which it has been possible to trace is relatively recent but it is believed that nevertheless the reference now brought forward is the earliest in which a type selection was made under Rule (g) of Article 30, rigorously construed as required by the *Règles*, for the genera concerned. The references for the selection of type species for the twenty-two genera concerned which it is recommended should be inserted in the *Official List* to make good the omissions in *Opinions* 77 and 92 are set out in Annexe 1 to the present paper.

(3) **Proposed correction or amplification of entries in regard to six generic names made in the " Official List " by Rulings given in " Opinions " 77, 92 and 93**

7. "**Coryphaena**" **Linnaeus, 1758 (Class Pisces)** : When the generic name *Coryphaena* Linnaeus, 1758, was placed on the *Official List* by the Ruling given in *Opinion* 77, it was misspelled as "*Coryhaena*". This error which was presumably due to faulty proof-reading must now be corrected, the Erroneous Subsequent Spelling *Coryhaena* being at the same time placed on the *Official Index of Rejected and Invalid Generic Names in Zoology*.

8. "**Eleotris**" **Schneider, 1801 (Class Pisces)** : In *Opinion* 93 the International Commission used its Plenary Powers to designate *Gobius pisonis* Gmelin (J.F.), [1789], to be the type species of *Eleotris* Schneider, 1801. However, it was stated in the so-called " Summary " of this *Opinion* that the species so designated as type species was "*gyrinus* Cuv. & Val.", i.e. *Eleotris gyrinus* Cuvier & Valenciennes, 1837 (*Hist. nat. Poiss.* 12 : 220), a nominal species which had been mentioned by the applicant in this case as a junior subjective synonym of *Gobius pisonis* Gmelin. The foregoing entry can only have been made through an inexplicable oversight and must be corrected by the substitution of a revised entry prescribing that, in accordance with the decision taken by the Commission in this *Opinion* the type species of this genus is *Gobius pisonis* Gmelin, [1789].

9. "**Calamaria**" **Boie, 1826 (Class Reptilia)** : In *Opinion* 92 the generic name *Calamaria* Boie was placed on the *Official List* ; it was there attributed to the year " 1827 ", and no reference was given beyond the page number " 236 ". The type species was said to be "*Coluber calamaria* Linnaeus, 1758 ", by absolute tautonymy. The name

*Calamaria* was published by Boie both in 1826 and 1827. In the earlier year, it was published in a paper by Férussac (*Bull. Sci. nat. Géol.* 9 : 236) and it is clear from the page number cited in *Opinion* 92 that this is the paper there referred to and not the later paper of 1827 (*Isis* (Oken) 10 : 519). The name *Calamaria* Boie, as published in Férussac's paper of 1826 was treated by Neave (*Nomencl. zool.*) as a *nomen nudum*, but this is incorrect, for, although Boie included six *nomina nuda* in the genus, he included also one new nominal species which was provided with an indication as required by Article 25 of the *Règles*. This nominal species was introduced as follows : “*Calamaria* Boie . . . *Linnaei* B. (*Col. calamaria* Linn.)”. This species is therefore the type species by monotypy. Under *Declaration* 21 (embodying the decision taken by the Commission in its vote on Voting Paper V.P.(55)30<sup>3</sup>) the type species of this genus is to be cited under the earlier of the two objective synonyms applied to it by the author of the generic name. That is, the type species is to be cited as *Coluber calamarius* Linnaeus, 1758, and not as *Calamaria linnaei* Boie, 1826. In order to regularise the position, it is necessary now that the date attributed to *Calamaria* Boie should be corrected from “1827” to “1826”, and that the erroneous entry “tat” [type by absolute tautonymy] should be corrected to “type by monotypy”. At the same time the objectively invalid specific name *linnaei* Boie, 1826, should be placed on the *Official Index*.<sup>4</sup>

**10. “*Dermochelys*” Blainville, 1816 (Class Reptilia) :** The generic name *Dermochelys* Blainville, 1816, was placed on the *Official List* with *Testudo coriacea* Linnaeus, 1766, as type species. So far as it goes, the entry so made was correct. It contained no particulars, however, as to how that species became the type species and a word of explanation is needed on this subject. This nominal genus, as established by Blainville in 1816 (*J. Phys. Chim. Hist. nat.*, Paris 83 : 259), contained no nominal species. In order to determine what species should be regarded as being originally included species in this genus, it is necessary to ascertain by whom nominal species were first assigned to it and what that species or those species were (1950, *Bull. zool. Nomencl.* 4 : 159—160, 346). Before doing this, we should, however, take note of two events which occurred before any author dealt again with the nominal genus *Dermochelys*. The first of these events was the establishment by Merrem in 1820 (*Tent. Syst. Amph.* : 19) of the genus *Sphargis*. Merrem only recognised one species as belonging to this genus and to this he gave the name *Sphargis mercurialis* (: 19), the name *mercurialis* being a name taken over by

<sup>3</sup> *Declaration* 21 was published on 19th June 1956 (*Ops. Decls. int. Comm. zool. Nomencl.* 12 : i—viii.)

<sup>4</sup> As explained in paragraph 4 of the present *Direction*, unexpected developments in regard to the generic name *Calamaria* Boie led to the temporary withdrawal of certain of the proposals submitted in regard to it, in order to permit of the study of the new problems disclosed.



him from the XVIth century author Rondeletius. In a footnote Merrem stated that his *Sphargis mercurialis* was the same species as the *Testudo coriacea* of Linnaeus. The latter species is therefore under Declaration 21 the type species of *Sphargis* Merrem by monotypy. The next event was the establishment by Fleming in 1822 (*Phil. Zool.* 2 : 271) of the nominal genus *Coriudo*. This was introduced in a key to the genera of "CHELONEA" and the sole species cited, and therefore the type species by monotypy, was *Testudo coriacea* Linnaeus. The name *Coriudo* Fleming is thus a junior objective synonym of *Sphargis* Merrem. In 1829 (*Règne Anim.* (ed. 2) 2 : 14) Cuvier used the name *Dermochelys* which, however he spelled *Dermochelis* and attributed, to Lesueur (by whom it had presumably been proposed in manuscript and from whom Blainville may also be assumed to have obtained the name). Cuvier, after sinking the names *Sphargis* Merrem and *Coriudo* Fleming as synonyms of *Dermochelis*, cited *Testudo coriacea* Linnaeus as belonging to this genus. In a footnote he cited a second species as belonging to this genus, namely *Dermochelis atlantica* Lesueur. No such name had ever been published by that author and the name as cited by Cuvier was a *nomen nudum*. Accordingly the only species placed by Cuvier in the genus *Dermochelys* was *Testudo coriacea* Linnaeus which therefore becomes the type species of Blainville's genus by monotypy. In order to avoid the risk of misunderstanding, it is desirable that, when the words "by monotypy" are entered in the *Official List* to indicate how *Testudo coriacea* Linnaeus, 1766, became the type species of *Dermochelys* Blainville, 1816, they should be qualified by the words "through Cuvier, 1829". At the same time the various objectively invalid names discussed in the present paragraph should be placed on the appropriate *Official Index*.

**11. "Desmognathus" Baird, (1850) (Class Amphibia) :** When the name *Desmognathus* Baird was placed on the *Official List*, by the Ruling given in *Opinion* 92, the date "1849" was attributed to it. The date which appears on the title page of Volume 1 of the Second Series of the *J. Acad. nat. Sci. Philad.*, in which Baird's paper was published, is "1847—1850" but particulars of the dates of publication of the various parts are given in the table of contents and this shows that that paper, which appeared in Part 4, was published in January 1850. This date—cited in round brackets (parentheses)—should therefore be attributed to the name *Desmognathus* Baird.

**12. "Cryptobranchus" Leuckart, 1821 (Class Amphibia) :** As explained in Paper Z.N.(S.) 1014 now being submitted with Voting Paper V.P.(O.M)(56)<sup>5</sup>; the name of the type species of the genus

<sup>5</sup> The decision taken by the International Commission on the Voting Paper here referred to has since been embodied in *Direction* 57 (which is being published in the immediately following Part of the present Section of Volume 1 of the present Series).



*Cryptobranchus* Leuckart, 1821, is currently regarded as a junior subjective synonym of the name *Salamandra alleganiensis* Daudin, [1803]. It must be noted here that the *alleganiensis* Daudin, [1803] was emended to *alleghaniensis* by Harlan in 1825 (*Ann. Lyceum nat. Hist. New York* 1(8) : 271), who cited this species as *Abranchus alleghaniensis*. In this action Harlan was followed by some later authors but the original spelling employed by Daudin is that currently in use and is the correct name for this nominal species. The Invalid Emendation *alleghaniensis* Harlan, 1825, should now be placed on the *Official Index*.

#### (4) Proposed addition of certain names to the “ Official Indexes of Rejected and Invalid Names in Zoology ”

13. The examination of the literature undertaken in preparation for the submission of the proposals set forth in the present paper has brought to light the existence of a number of names which are objectively invalid as junior homonyms, as Invalid Emendations or Erroneous Subsequent Spellings, or as junior objective synonyms. These names, which should now be placed on the appropriate *Official Indexes*, are set out in Annexe 2 to the present paper, the generic names being listed in Section A and the specific names in Section B.

#### (5) Recommendations

14. In the light of the considerations set out in the present paper it is recommended that, in discharge of the duty of completing and, where necessary, correcting the entries made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 imposed upon it by the Thirteenth International Congress of Zoology, Paris, 1948, the International Commission on Zoological Nomenclature should take the following action, so far as concerns the entries relating to the names of genera of the Classes Pisces, Amphibia and Reptilia made on the *Official List* during the period referred to above, namely that it should :—

- (1) in the case of each of the four generic names specified in paragraph 2 above, substitute in the *Official List of Generic Names in Zoology* the words “ type species by Linnean tautonymy ” for the words “ t[ype by] s[ubsequent] d[esignation] ” as indicating the manner in which the type species of the genera concerned were determined under Article 30 of the *Règles* ;

- (2) in the case of each of the generic names specified in Annexe 1, insert in the foregoing *Official List* the particulars specified in that Annexe regarding the selection of the type species of the genera concerned under Rule (g) in Article 30 of the *Règles* (paragraphs 4—6 above) ;
- (3) correct from *Coryhaena* to *Coryphaena* the entry on the *Official List* in regard to the generic name *Coryphaena* Linnaeus, 1758, inadvertently made by the Ruling given in *Opinion 77* (paragraph 7 above) ;
- (4) insert on the *Official List* the name of the nominal species *Gobius pisonis* Gmelin (J.F.), [1789], as the name of the type species of *Eleotris* Schneider, 1801, in place of the name *Eleotris gyrinus* Cuvier & Valenciennes, 1837, inadvertently entered as such by the Ruling given in *Opinion 93* (paragraph 8 above) ;
- (5) substitute on the *Official List* the date “ 1826 ” for the date “ 1827 ” as the date of publication of the generic name *Calamaria* Boie (paragraph 9 above) ;
- (6) substitute on the *Official List* the words “ type species, by monotypy ” for the words “ t[ype by] a[bsolute] t[autonymy] ” as indicating the manner in which the type species of *Calamaria* Boie, 1826, was determined under Article 30 of the *Règles* (paragraph 9)<sup>6</sup> ;
- (7) take note that under *Declaration 21* the type species of *Calamaria* Boie, 1826, is the nominal species *Coluber calamarius* Linnaeus, 1758, and not the later-established objectively identical nominal species *Calamaria linnaei* Boie, 1826, cited at the time of the establishment of the above nominal genus (paragraph 9)<sup>6</sup> ;
- (8) insert the words “ by monotypy, through Cuvier, 1829 ” in the *Official List* as recording the means by which the type species of the genus *Dermochelys* Blainville, 1816, was determined under Article 30 (paragraph 10) ;
- (9) substitute on the *Official List* the date “ (1850) ” for the date “ 1849 ” as the date of publication of the generic name *Desmognathus* Baird (paragraph 11) ;
- (10) place on the *Official Index of Rejected and Invalid Generic Names in Zoology* the objectively invalid names enumerated in Section A of Annexe 2 to the present paper (paragraph 13 above).
- (11) place on the *Official Index of Rejected and Invalid Specific Names in Zoology* the objectively invalid names enumerated in Section B of Annexe 2 to the present paper (paragraph 13 above).

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<sup>6</sup> This proposal was later withdrawn. See paragraph 4 of the present *Direction*.

## ANNEXE 1

**Proposals for completing the entries on the " Official List of Generic Names in Zoology " regarding the manner in which the type species of certain genera were determined under Article 30 of the " Regles "**

<i>Name of Genus</i>	<i>Entry relating to the determination of the type species proposed to be inserted in the " Official List of Generic Names in Zoology "</i>
(1)	(2)
<i>Callionymus</i> Linnaeus, 1758	by selection by Bleeker, 1879, <i>Versl. Acad. Amsterdam</i> <b>1879</b> : 80
<i>Clupea</i> Linnaeus, 1758	by selection by Gill, 1862, <i>Proc. Acad. nat. Sci. Philad.</i> <b>1861</b> : 35
<i>Coryphaena</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 454
<i>Cyprinus</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 254
<i>Gadus</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 802
<i>Gasterosteus</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 393
<i>Gobius</i> Linnaeus, 1758	by selection by Gill, 1864, <i>Proc. Acad. nat. Sci. Philad.</i> <b>1863</b> : 268
<i>Lophius</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 844
<i>Mormyrus</i> Linnaeus, 1758	by selection by Jordan & Evermann, 1917, <i>Gen. Fish.</i> : 15
<i>Mullus</i> Linnaeus, 1758	by selection by Bleeker, 1876, <i>Arch. Neerl. Sci. nat. Haarlem</i> <b>11</b> : 334
<i>Perca</i> Linnaeus, 1758	by selection by Gill, 1862, <i>Proc. Acad. nat. Sci. Philad.</i> <b>1861</b> : 48
<i>Salmo</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> <b>16</b> : 309
<i>Scomber</i> Linnaeus, 1758	by selection by Gill, 1863, <i>Proc. Acad. nat. Sci. Philad.</i> <b>1862</b> : 125
<i>Scorpaena</i> Linnaeus, 1758	by selection by Bleeker, 1876, <i>Versl. Acad. Amsterdam</i> <b>1875</b> : 295
<i>Syngnathus</i> Linnaeus, 1758	by selection by Jordan, 1912, <i>Smiths. misc. Publ.</i> <b>2060</b> : 103



Name of Genus	Entry relating to the determination of the type species proposed to be inserted in the "Official List of Generic Names in Zoology"
(1)	(2)
<i>Zeus</i> Linnaeus, 1758	by selection by Gill, 1863, <i>Proc. Acad. nat. Sci. Philad.</i> 1862 : 126
<i>Blennius</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> 16 : 759
<i>Esox</i> Linnaeus, 1758	by selection by Jordan & Gilbert, 1882, <i>Bull. U.S. nat. Mus.</i> 16 : 352
<i>Ophidion</i> Linnaeus, 1758	by selection by Gill, 1864, <i>Proc. Acad. nat. Sci. Philad.</i> 1863 : 210
<i>Crotalus</i> Linnaeus, 1758	by selection by Fitzinger, 1843, <i>Syst. Rept.</i> : 29
<i>Lacerta</i> Linnaeus, 1758	by selection by Fitzinger, 1843, <i>Syst. Rept.</i> : 20
<i>Desmognathus</i> Baird, (1850)	by selection by Stejneger & Barbour 1917, <i>Checklist N. Amer. Amph &amp; Rept.</i> : 22

## ANNEXE 2

**Proposed addition of certain invalid names to the "Official Indexes of Rejected and Invalid Names in Zoology"**

**Section A : Proposed addition of forty-nine generic names to the "Official Index of Rejected and Invalid Generic Names in Zoology"**

1. *Acipenses* Linck, 1790, *Mag. N. Phys. Naturg.* 6(3) : 37 (an Erroneous Subsequent Spelling for *Acipenser* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
2. *Ammodytes* Bonaparte, 1831, *Giorn. Arcad.* 52 : 149 (a junior homonym of *Ammodytes* Linnaeus, 1758, placed on the *Official List* in *Opinion 75*)
3. *Anarhicas* Latreille, 1804, *Nouv. Dict. Hist. nat. Tabl. méth.* : 103 (an Erroneous Subsequent Spelling for *Anarhichas* Linnaeus, 1758, placed on the *Official List* in *Opinion 75*)
4. *Calliongmus* Linck, 1790, *Mag. N. Phys. Naturg.* 6(3) : 34 (an Erroneous Subsequent Spelling for *Callionymus* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)

5. *Callionimus* Gouan, 1770, *Hist. Pisc.* : 121 (an Erroneous Subsequent Spelling for *Callionymus* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
6. The under-mentioned junior homonyms of *Chimaera* Linnaeus, 1758, placed on the *Official List* in *Opinion 77* :—
  - (a) *Chimaera* Poli, 1791, *Test. Sicil.* **1**, Introd. : 31
  - (b) *Chimaera* Ochsenheimer, 1808, *Schmett. Europa* **2** : 2
  - (c) *Chimaera* Hitchcock, 1858, *Ichnol. N. England* : 118
7. *Chimaira* Duméril, 1856, *Mém. Acad. Sci. Inst. France* **27** : 155 (an Erroneous Subsequent Spelling for *Chimaera* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
8. The under-mentioned junior homonyms of *Coregonus* Linnaeus, 1758, placed on the *Official List* in *Opinion 93* :—
  - (a) *Coregonus* Lacépède, 1803, *Hist. nat. Poiss.* **5** : 239 ; Le Sueur, 1818, *J. Acad. nat. Sci. Philad.* **1**(9) : 231
  - (b) *Coregonus* Jarocki, 1822, *Zoologia* **4** : 35
9. *Coriudo* Fleming, 1822, *Phil. zool.* **2** : 271 (a junior objective synonym of *Dermochelys* Blainville, 1816, placed on the *Official List* in *Opinion 92*)
10. *Coryhaena* Stiles, 1922, *Smiths. misc. Coll.* **73** (no. 1) : 73 (an Erroneous Subsequent Spelling for *Coryphaena* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
11. *Coryphaena* Coues, 1889, *Cent. Dict.* **2**(5) : 1286 (a *nomen nudum*)
12. *Cyclopterus* (Seidlitz MS) Marseul, 1872, *Abeille* **10** : 30 (a junior homonym of *Cyclopterus* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
13. *Dermatochelys* Wagler, 1830, *Syst. Amph.* : 133 (a junior objective synonym of *Dermochelys* Blainville, 1816, placed on the *Official List* in *Opinion 92*)
14. *Dermochelis* Lesueur, 1829, in Cuvier, *Règn. Anim.* (ed. 2) **2** : 14 (an Erroneous Subsequent Spelling for *Dermochelys* Blainville, 1816, placed on the *Official List* in *Opinion 92*)
15. The under-mentioned junior homonyms of *Diodon* Linnaeus, 1758, placed on the *Official List* in *Opinion 77* :—
  - (a) *Diodon* O'Reilly, 1818, *Greenland* : 105 ; Storr, 1780, *Prodr. meth. Mamm.* : 42, tab. C
  - (b) *Diodon* Lesson, 1828, *Compl. de Buffon, Hist. nat. Mamm. Ois.* **1** : 124, 440
  - (c) *Diodon* Lesson, 1830, *Traité. Ornith.* (2) : 95

16. The under-mentioned junior homonyms of *Draco* Linnaeus, 1758, placed on the *Official List* in *Opinion 75* :—
  - (a) *Draco* Gouan, 1770, *Hist. Pisc.* : 117 (a *nomen nudum*)
  - (b) *Draco* Oken, 1816, *Lehrb. Naturgesch.* 3(2) : 273
17. *Eleotris* Gronovius, 1763, *Zooph. gronov.* 1 : 83 (a name published in a book rejected for nomenclatorial purposes)
18. The under-mentioned junior homonyms of *Fistularia* Linnaeus, 1758, placed on the *Official List* in *Opinion 75* :—
  - (a) *Fistularia* Forskål, 1775, *Descr. Anim.* : 121
  - (b) *Fistularia* Müller, 1776, *Zool. dan. Prodr.* : 254
  - (c) *Fistularia* Lamarck, 1816, *Hist. nat. Anim. sans Vertèbr.* 3 : 74 ; de Blainville, 1830, *Dict. Sci. nat.* 60 : 173
  - (d) *Fistularia* Bowerbank, 1841, *Proc. geol. Soc. Lond.* 3 (no. 78) : 433
19. The under-mentioned junior homonyms of *Gadus* Linnaeus, 1758, placed on the *Official List* in *Opinion 77* :—
  - (a) *Gadus* Dejean, 1821, *Cat. Coléopt.* : 96 (a *nomen nudum*)
  - (b) *Gadus* Rang, 1829, *Ann. Sci. nat.* 16 : 498
  - (c) *Gadus* Deshayes, 1861, *Descr. Anim. s. Vertèbr. Bassin Paris* 2 : 217
20. *Gymnothorax* Cuvier, [1800], *Leçons. comp. Anat.* 1 : tab. 4 (a *nomen nudum*)
21. *Gymnothorax* Duda, 1923, *Arch. Naturgesch.* 89 : A4, 39 (a junior homonym of *Gymnothorax* Bloch, 1795, placed on the *Official List* in *Opinion 93*)
22. The under-mentioned Erroneous Subsequent Spellings for *Mabuya* Rafinesque, 1815 :—
  - (a) *Mabouia* Cuvier, 1829, *Règn. Anim.* (ed. 2) 2 : 62
  - (b) *Mabouya* Duméril & Bibron, 1839, *Erpét.* 5 : 663, 671
  - (c) *Mabuia* Cuvier, 1829, *Règn. Anim.* (ed. 2) 2 : 64
23. *Mabuya* Rafinesque, 1815, *Analyse Nat.* : 76 (a *nomen nudum*)
24. The under-mentioned Erroneous Subsequent Spellings for *Malapterurus* Lacépède, 1803, placed on the *Official List* in *Opinion 93*) :—
  - (a) *Malapterus* Jarocki, 1822, *Zoologiia* 4 : 87
  - (b) *Malapturus* Swainson, 1838, *Hist. Classif. Fish* 1 : 348, 353



25. *Mugie* Macklot, 1830, *Bijd. Natuurk. Wetensch.* **5** : 177 (an Erroneous Subsequent Spelling for *Mugil* Linnaeus, 1758, placed on the *Official List* in *Opinion 75*)
26. *Mustellus* Fischer de Waldheim, 1813, *Zoognosia* (ed. 3) **1** : 78 (an Erroneous Subsequent Spelling for *Mustelus* Linck, 1790, placed on the *Official List* in *Opinion 77*)
27. *Ophidion* Pomel, 1853, *Cat. Vert. foss. Loire* : 128 (a junior homonym of *Ophidion* Linnaeus, 1758, placed on the *Official List* in *Opinion 92*)
28. *Ophidium* Linnaeus, 1766, *Syst. Nat.* (ed. 12) **1** : 431 (an Invalid Emendation of *Ophidion* Linnaeus, 1758, placed on the *Official List* in *Opinion 92*)
29. *Siren* Hermann, 1783, *Tab. Affin. Anim.* : 120 (a junior homonym of *Siren* Linnaeus, 1766, placed on the *Official List* in *Opinion 92*)
30. *Sirena* Fischer de Waldheim, 1808, *Zoognosia* (ed. 2) : tab. iii (an Invalid Emendation of *Siren* Linnaeus, 1766)
31. *Sirene* Oken, 1816, *Lehrb. Naturgesch* **3**(2) : 187 (an Invalid Emendation of *Siren* Linnaeus, 1766)
32. *Sphargis* Merrem, 1820, *Tent. Syst. Amph.* : 19 (a junior objective synonym of *Dermochelys* Blainville, 1816, placed on the *Official List* in *Opinion 92*)
33. *Syngnathus* Rafinesque, 1810, *Ind. Itt. Sic.* : 57 (a junior homonym of *Syngnathus* Linnaeus, 1758, placed on the *Official List* in *Opinion 77*)
34. *Teuthis* Schneider, 1784, *Samml. verm. Abh.* : 113 (a junior homonym of *Teuthis* Linnaeus, 1766, placed on the *Official List* in *Opinion 93*)

**Section B : Proposed addition of two specific names to the  
“ Official Index of Rejected and Invalid Specific Names  
in Zoology ”**

1. *linnaei* Boie, 1826, *Bull. Sci. nat. Geol.* **9** : 236, as published in the combination *Calamaria linnaei* (*nom. nov. pro calamarius* Linnaeus, 1758, as published in the combination *Coluber calamarius*)<sup>7</sup>
2. *mercurialis* Merrem, 1820, *Tent. Syst. Amph.* : 19, as published in the combination *Sphargis mercurialis* (*nom. nov. pro coriacea* Linnaeus, 1766, as published in the combination *Testudo coriacea*)

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<sup>7</sup> This proposal was later withdrawn. See paragraph 4 of the present *Direction*.

3. *alleghaniensis* Harlan, 1825, *Ann. Lyceum nat. Hist. New York* 1(8) : 271, as published in the combination *Abranchus alleghaniensis* (an Invalid Emendation of *alleganiensis* Daudin, [1803] as published in the combination *Salamandra alleganiensis*).

**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper the question of completing and correcting in the manner proposed the entries relating to the names of genera belonging to the Classes Pisces, Amphibia and Reptilia made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 was allotted the Registered Number Z.N.(S.) 1015.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(56)4 :** On 25th April 1956 a Voting Paper (V.P.(O.M.)(56)4) was issued in which each Member of the Commission was asked (1) to state whether he agreed "that, in accordance with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, and other matters on which action is required in order to complete, to clarify, or to correct Rulings given in *Opinions* rendered in the foregoing period, the action recommended in paragraph 14 of the paper numbered Z.N.(S.) 1015, regarding names in the Classes Pisces, Amphibia and Reptilia submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] be now taken as there recommended", and (2), if he did not so agree as regards any given item, to indicate that item.



**4. Withdrawal from the scope of Voting Paper V.P.(O.M.)(56)4 of certain proposals relating to the generic name "Calamaria" Boie (Class Reptilia):** On 2nd May 1956 Mr. Hemming, as Secretary, executed the following Minute in which he withdrew from the scope of Voting Paper V.P.(O.M.)(56)4 certain of the proposals in regard to the generic name *Calamaria* Boie submitted therewith :—

**Removal from the scope of Voting Paper V.P.(O.M.)(56)4 of certain of the proposals relating to the generic name "Calamaria" Boie (Class Reptilia) submitted therewith**

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

In returning their completed copies of Voting Paper V.P.(O.M.)(56)4, Dr. H. Boschma, *Director, Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*, and Dr. L. B. Holthuis of the same Museum have this day notified the Office of the Commission that Dr. L. D. Brongersma of the above Museum is planning to re-examine the status under the *Règles* of the generic name *Calamaria* Boie (Class Reptilia) a name which had been placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92* and on which certain supplementary proposals had been submitted in the paper bearing the Number Z.N.(S.) 1015 issued to the Members of the Commission concurrently with the Voting Paper referred to above. It appeared from the communication so received that the current interpretation of the nominal species *Coluber calamarius* Linnaeus, 1758, the type species of the genus *Calamaria* Boie, and/or of the objectively identical nominal species *Calamaria linnaei* Boie, 1826, was open to question and that there was at least a possibility that the species to which Linnaeus had given the former name was a species at present placed by specialists in a genus far removed from *Calamaria* Boie.

2. In these circumstances, as Secretary to the International Commission, I hereby withdraw from the scope of the Voting Paper cited above (a) the proposals in regard to the generic name *Calamaria* Boie submitted in Points (6) and (7) of paragraph 14 of the paper Z.N.(S.) 1015 submitted therewith, and (b) the proposal which appears as Item I in Section B of Annexe 2 referred to in Point (11) in the paragraph numbered as above in the same paper in order to permit of the further study of the issues alluded to in the communications referred to in paragraph 1 above. I further direct that the Registered File Z.N.(S.) 1114 be opened for the study of the questions now reserved and that the said studies be prosecuted as vigorously as



possible in order to ensure that the publication of the *Official List of Generic Names in Zoology* in book-form be not delayed by the existence of an outstanding problem in regard to the above generic name.

**5. The Prescribed Voting Period for V.P.(O.M)(56)4 :** As Voting Paper V.P.(O.M.)(56)4 was issued under the One-Month Rule, the Prescribed Voting Period closed on 25th May 1956.

**6. Particulars of the Voting on Voting Paper V.P.(O.M)(56)4 :** At the close of the Prescribed Voting Period for Voting Paper V.P.(O.M.)(56)4, the state of the voting on the proposals submitted therewith, other than on that part of those proposals which had been withdrawn from the scope of that Voting Paper by the Minute executed by the Secretary on 2nd May 1956 (the text of which has been reproduced in paragraph 4 of the present *Direction*) was as follows :—

(a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Boschma ; Stoll ; Vokes ; Hering ; Miller ; Prantl ; Bodenheimer ; Cabrera ; Esaki ; Mayr ; do Amaral ; Lemche ; Hankó ; Dymond ; Mertens ; Key ; Jaczewski ; Bonnet ; Hemming ; Sylvester-Bradley ; Riley ; Kühnelt ; Tortonese ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Bradley (J.C.) ;

(d) *Voting Papers not returned :*

None.

**7. Declaration of Result of Vote :** On 7th June 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(56)4, signed a Certificate that the Votes cast on that Voting Paper, other than on the proposals in regard to the name *Calamaria* Boie submitted therewith, which had been withdrawn from its scope by the Minute executed by the Secretary on 2nd May 1956 (the text of which has been reproduced in paragraph 4 of the present *Direction*) were as set out in paragraph 6 above and that the proposals submitted with that Voting Paper, other than the proposals so withdrawn, had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**8. Preparation of the Ruling given in the present " Direction " :** On 30th September 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its vote on Voting Paper V.P.(O.M.)(56)4, subject to the exclusion therefrom of the proposals in regard to the generic name *Calamaria* Boie specified in the Minute executed by the Secretary on 2nd May 1956 referred to in paragraph 7 above.

**9. Original References :** The original references for the generic names specified in the under-mentioned Rulings in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology* : (1) ; (2) ; (3) ; (5), subject to the correction of the date of publication attributed to the name concerned as specified in Ruling (4) ; (6) ; (7) ; (8), subject to the correction of the date of publication of the name concerned as there specified. The references for the selection of type species for the genera specified in Rulings (2), (3) and (5) are given in Annexe 1 to the paper reproduced in paragraph 1 of the present *Direction*.

The reference for the nominal species specified in Ruling (7) as the type species of *Eleotris* Schneider, 1801, is given in paragraph 8 of the paper referred to above, while in paragraph 10 of that paper will be found the reference specified in Ruling (9). The references for the names specified in Rulings (10) and (11) are given in Section A and Section B respectively of Annexe 2 to the foregoing paper.

10. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

11. The present *Direction* shall be known as *Direction Fifty-Six* (56) of the International Commission on Zoological Nomenclature.

DONE in London, this Thirtieth day of September, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**



# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

**VOLUME 1. SECTION D. Part D.18. Pp. 365—388**

## **DIRECTION 57**

Addition to the *Official List of Specific Names in Zoology*  
(a) of the specific names of forty-seven species belonging  
to the Classes Cyclostomata, Pisces, Amphibia and  
Reptilia, each of which is the type species of a genus, the  
name of which was placed on the *Official List of Generic  
Names in Zoology* in the period up to the end of 1936 and  
(b) of the specific name of one species of the Class  
Amphibia which is currently treated as a senior subjective  
synonym of the name of such a species

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*Issued 20th December, 1956*

# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 57

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*)

---

*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N. Y., U.S.A.*)  
(12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election,  
as prescribed by the International Congress of Zoology)

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th  
July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw,  
Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt  
a. M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin,  
Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N. Y., U.S.A.*) (12th August  
1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*)  
(12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N. Y.,  
U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*)  
(12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation,  
Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*)  
(29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th  
October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*)  
(6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November  
1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge,  
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*)  
(16th December 1954)



## DIRECTION 57

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF FORTY-SEVEN SPECIES BELONGING TO THE CLASSES CYCLOSTOMATA, PISCES, AMPHIBIA AND REPTILIA, EACH OF WHICH IS THE TYPE SPECIES OF A GENUS, THE NAME OF WHICH WAS PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936 AND (b) OF THE SPECIFIC NAME OF ONE SPECIES OF THE CLASS AMPHIBIA WHICH IS CURRENTLY TREATED AS A SENIOR SUBJECTIVE SYNONYM OF THE NAME OF SUCH A SPECIES

**RULING :—**(1) The under-mentioned specific name of a species belonging to the Class Cyclostomata, which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in *Opinion 75*, is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1063 : *glutinosa* Linnaeus, 1758, as published in the combination *Myxine glutinosa* (specific name of type species of *Myxine* Linnaeus, 1758).

(2) The under-mentioned specific names of species belonging to the Class Pisces, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* severally cited below, are hereby placed on the *Official*

JAN - 8 1957



*List of Specific Names in Zoology with the Name Numbers specified in each case against the names in question :—*

(a) *Specific Names of type species of genera, the names of which were placed on the “ Official List ” by the Ruling given in “ Opinion ” 75 :—*

- (i) *tobianus* Linnaeus, 1758, as published in the combination *Ammodytes tobianus* (specific name of type species of *Ammodytes* Linnaeus, 1758) (Name No. 1064) ;
- (ii) *lupus* Linnaeus, 1758, as published in the combination *Anarhichas lupus* (specific name of type species of *Anarhichas* Linnaeus, 1758) (Name No. 1065) ;
- (iii) *hepsetus* Linnaeus, 1758, as published in the combination *Atherina hepsetus* (specific name of type species of *Atherina* Linnaeus, 1758) (Name No. 1066) ;
- (iv) *tabacaria* Linnaeus, 1758, as published in the combination *Fistularia tabacaria* (specific name of type species of *Fistularia* Linnaeus, 1758) (Name No. 1067) ;
- (v) *cephalus* Linnaeus, 1758, as published in the combination *Mugil cephalus* (specific name of type species of *Mugil* Linnaeus, 1758) (Name No. 1068) ;
- (vi) *draco* Linnaeus, 1758, as published in the combination *Trachinus draco* (specific name of type species of *Trachinus* Linnaeus, 1758) (Name No. 1069) ;
- (vii) *scaber* Linnaeus, 1758, as published in the combination *Uranoscopus scaber* (specific name of type species of *Uranoscopus* Linnaeus, 1758) (Name No. 1070) ;

- (viii) *gladius* Linnaeus, 1758, as published in the combination *Xiphias gladius* Linnaeus, 1758 (specific name of type species of *Xiphias* Linnaeus, 1758) (Name No. 1071) ;
- (ix) *sturio* Linnaeus, 1758, as published in the combination *Acipenser sturio* (specific name of type species of *Acipenser* Linnaeus, 1758) (Name No. 1072) ;
- (x) *lyra* Linnaeus, 1758, as published in the combination *Callionymus lyra* (specific name of type species of *Callionymus* Linnaeus, 1758) (Name No. 1073) ;
- (xi) *monstrosa* Linnaeus, 1758, as published in the combination *Chimaera monstrosa* (specific name of type species of *Chimaera* Linnaeus, 1758) (Name No. 1074) ;
- (xii) *harengus* Linnaeus, 1758, as published in the combination *Clupea harengus* (specific name of type species of *Clupea* Linnaeus, 1758) (Name No. 1075) ;
- (xiii) *hippurus* Linnaeus, 1758, as published in the combination *Coryphaena hippurus* (specific name of type species of *Coryphaena* Linnaeus, 1758) (Name No. 1076) ;
- (xiv) *lumpus* Linnaeus, 1758, as published in the combination *Cyclopterus lumpus* (specific name of type species of *Cyclopterus* Linnaeus, 1758) (Name No. 1077) ;
- (xv) *carpio* Linnaeus, 1758, as published in the combination *Cyprinus carpio* (specific name of type species of *Cyprinus* Linnaeus, 1758) (Name No. 1078) ;
- (xvi) *morhua* Linnaeus, 1758, as published in the combination *Gadus morhua* (specific

- name of type species of *Gadus* Linnaeus, 1758) (Name No. 1079) ;
- (xvii) *aculeatus* Linnaeus, 1758, as published in the combination *Gasterosteus aculeatus* (specific name of type species of *Gasterosteus* Linnaeus, 1758) (Name No. 1080) ;
- (xviii) *niger* Linnaeus, 1758, as published in the combination *Gobius niger* (specific name of type species of *Gobius* Linnaeus, 1758) (Name No. 1081) ;
- (xix) *piscatorius* Linnaeus, 1758, as published in the combination *Lophius piscatorius* (specific name of type species of *Lophius* Linnaeus, 1758) (Name No. 1082) ;
- (xx) *cyprinoides* Linnaeus, 1758, as published in the combination *Mormyrus cyprinoides* (specific name of type species of *Mormyrus* Linnaeus, 1758) (Name No. 1083) ;
- (xxi) *barbatus* Linnaeus, 1758, as published in the combination *Mullus barbatus* (specific name of type species of *Mullus* Linnaeus, 1758) (Name No. 1084) ;
- (xxii) *fluviatilis* Linnaeus, 1758, as published in the combination *Perca fluviatilis* (specific name of type species of *Perca* Linnaeus, 1758) (Name No. 1085) ;
- (xxiii) *salar* Linnaeus, 1758, as published in the combination *Salmo salar* (specific name of type species of *Salmo* Linnaeus, 1758) (Name No. 1086) ;
- (xxiv) *scombrus* Linnaeus, 1758, as published in the combination *Scomber scombrus* (specific name of type species of



*Scomber* Linnaeus, 1758) (Name No. 1087) ;

(xxv) *porcus* Linnaeus, 1758, as published in the combination *Scorpaena porcus* (specific name of type species of *Scorpaena* Linnaeus, 1758) (Name No. 1088) ;

(xxvi) *glanis* Linnaeus, 1758, as published in the combination *Silurus glanis* (specific name of type species of *Silurus* Linnaeus, 1758) (Name No. 1089) ;

(xxvii) *acus* Linnaeus, 1758, as published in the combination *Syngnathus acus* (specific name of type species of *Syngnathus* Linnaeus, 1758) (Name No. 1090) ;

(xxviii) *faber* Linnaeus, 1758, as published in the combination *Zeus faber* (specific name of type species of *Zeus* Linnaeus, 1758) (Name No. 1091) ;

(b) *Specific Names of type species of genera, the names of which were placed on the "Official List" by the Ruling given in "Opinion" 92 :—*

(i) *ocellaris* Linnaeus, 1758, as published in the combination *Blennius ocellaris* (specific name of type species of *Blennius* Linnaeus, 1758) (Name No. 1092) ;

(ii) *lucius* Linnaeus, 1758, as published in the combination *Esox lucius* (specific name of type species of *Esox* Linnaeus, 1758) (Name No. 1093) ;

(iii) *barbatus* Linnaeus, 1758, as published in the combination *Ophidion barbatus* (specific name of type species of *Ophidion* Linnaeus, 1758) (Name No. 1094) ;

(c) *Specific Names of type species of genera, the names of which were placed on the " Official List " by the Ruling given in " Opinion " 93 :—*

- (i) *lavaretus* Linnaeus, 1758, as published in the combination *Salmo lavaretus* (specific name of type species of *Coregonus* Linnaeus, 1758) (Name No. 1095) ;
- (ii) *pisonis* Gmelin (J.F.), [1789], as published in the combination *Gobius pisonis* (specific name of type species of *Eleotris* Schneider, 1801) (Name No. 1096) ;
- (iii) *marginalis* Bloch, 1793, as published in the combination *Epinephelus marginalis*, (specific name of type species of *Epinephelus* Bloch, 1793) (Name No. 1097) ;
- (iv) *reticularis* Bloch, 1795, as published in the combination *Gymnothorax reticularis* (specific name of type species of *Gymnothorax* Bloch, 1795) (Name No. 1098) ;
- (v) *electricus* Gmelin (J.F.), [1789], as published in the combination *Silurus electricus* (specific name of type species of *Malapterurus* Lacépède, 1803) (Name No. 1099) ;
- (vi) *mustelus* Linnaeus, 1758, as published in the combination *Squalus mustelus* (specific name of type species of *Mustelus* Linck, 1790) (Name No. 1100) ;
- (vii) *paradiseus* Linnaeus, 1758, as published in the combination *Polynemus paradiseus* (specific name of type species of *Polynemus* Linnaeus, 1758) (Name No. 1101) ;

- (viii) *cabrilla* Linnaeus, 1758, as published in the combination *Perca cabrilla* (specific name of type species of *Serranus* Cuvier, 1817) (Name No. 1102).

(3) The under-mentioned specific names of species belonging to the Class Amphibia, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Ruling given in *Opinion* 92, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *fuscus* Rafinesque, 1820, as published in the combination *Triturus fuscus* (specific name of type species of *Desmognathus* Baird, (1850)) (Name No. 1103) ;
- (b) *lacertina* Linnaeus, 1766, as published in the combination *Siren lacertina* (specific name of type species of *Siren* Linnaeus, 1766) (Name No. 1104).

(4) The under-mentioned specific names of species belonging to the Class Reptilia, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* severally cited below, are hereby placed on the *Official List of Specific Names in Zoology* with the Name Numbers specified in each case against the names in question :—

- (a) *Specific Name of the type species of a genus, the name of which was placed on the “ Official List ” by the Ruling given in “ Opinion ” 75 :*

*volans* Linnaeus, 1758, as published in the combination *Draco volans* (specific name



of type species of *Draco* Linnaeus, 1758)  
(Name No. 1105) ;

(b) *Specific Names of type species of genera, the names of which were placed on the " Official List " by the Ruling given in " Opinion " 92 :—*

- (i) *serpentina* Linnaeus, 1758, as published in the combination *Testudo serpentina* (specific name of type species of *Chelydra* Schweigger, 1812) (Name No. 1106) ;
- (ii) *horridus* Linnaeus, 1858, as published in the combination *Crotalus horridus* (specific name of type species of *Crotalus* Linnaeus, 1758) (Name No. 1107) ;
- (iii) *coriacea* Linnaeus, 1766, as published in the combination *Testudo coriacea* (specific name of type species of *Dermochelys* Blainville, 1816) (Name No. 1108) ;
- (iv) *agilis* Linnaeus, 1758, as published in the combination *Lacerta agilis* (specific name of type species of *Lacerta* Linnaeus, 1758) (Name No. 1109).

(5) The under-mentioned specific name which is currently regarded as a senior subjective synonym of the specific name of the type species of a genus belonging to the Class Amphibia, the name of which was placed on the *Official List of Generic Names in Zoology* in the *Opinion* cited against the name in question is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number specified below :—

*alleganiensis* Daudin, [1803], as published in the combination *Salamandra alleganiensis* (*Opinion* 92) (Name No. 1110).

# I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific name of the species which are the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* prior to the opening of that Congress, should, if the oldest available names for the species concerned, be placed on the *Official List of Specific Names in Zoology* and that in other cases there should be placed on that *List* whatever is currently considered to be the oldest available names for the species concerned. The present which is the fourth in this series of *Directions*, is concerned with the names of the type species of genera belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. The total number of such generic names is forty-eight. Of these all are dealt with in the present *Direction* with the exception of the generic name *Calamaria* Boie, 1826, the consideration of which has, for the reasons explained in paragraph 4 of the present *Direction*, been postponed for further study. The proposals which formed the basis of the decisions taken by the Commission in the present case were submitted by the Secretary in the following paper on 25th April 1956 :—

**Proposed addition to the “ Official List of Specific Names in Zoology ”**  
(a) of the specific names of forty-eight species belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, each of which is the type species of a genus, the name of which was placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 and (b) of the specific name of one species of the Class Amphibia which is currently treated as a senior subjective synonym of the name of such a species

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

The present paper contains the fourth instalment of proposals for giving effect to the General Directive issued to the International



Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, that in every case where the specific name of the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 is the oldest available name for the species concerned, that name shall be placed on the *Official List of Specific Names in Zoology* and that in other cases the specific name currently regarded as the oldest available subjective synonym of that name shall be similarly placed on that List.

2. The proposals now submitted relate to the names of the type species of genera belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. In all, sixty-two generic names are involved. The genera so named are distributed among the foregoing Classes as follows : Class Cyclostomata, one genus ; Class Pisces, 48 genera ; Class Amphibia, 3 genera ; Class Reptilia, 10 genera. Details regarding the position of the names belonging to each of these groups are given in the following paragraphs.

3. *Class Cyclostomata* : No difficulty arises in connection with the specific name of the type species of the only genus belonging to this Class, the name of which has been placed on the *Official List* (*Myxine* Linnaeus, 1758) and the specific name of that species should therefore now be placed on the *Official List*.

4. *Class Pisces* : In the case of one of the genera of the Class Pisces involved, the specific name of the type species has already been placed on the *Official List*. The generic name concerned is *Echeneis* Linnaeus, 1758, which was dealt with by the Commission in *Opinion* 242. In another case—relating to the reputed generic name *Osmerus* Linnaeus, 1758—proposals covering *inter alia* the proposed addition of the specific name of its type species to the *Official List* are already before the Commission in Application Z.N.(S.) 564 (Hemming, 1955, *Bull. zool. Nomencl.* **11** : 281—282). In two cases applications have been received from ichthyologists which will, it is hoped, be published in the *Bulletin of Zoological Nomenclature* at an early date. Three names are involved in these applications, namely (a) *Sciaena* Linnaeus, 1758 (Application Z.N.(S.) 850) ; (b) *Stolephorus* Lacépède, 1803, and *Teuthis* Linnaeus, 1766 (Application Z.N.(S.) 569). In these cases it is proposed that action regarding the addition to the *Official List* of the specific names of the type species of the genera concerned be deferred until decisions are taken on other outstanding matters concerned with these generic names. Finally, there are four generic names against which no objection has been raised by specialists but which, on the basis of the information so far collected by this Office, appear to call for action by the Commission before the entries in regard to them



made on the *Official List* in the period up to the end of 1936 can be regarded as correct. The problems involved in these cases are of two kinds. In one case the name in question, *Conger* Cuvier, 1817, appears to be a phantom ; in the three other cases (*Cottus* Linnaeus, 1758 ; *Diodon* Linnaeus, 1758 ; *Muraena* Linnaeus, 1758) it appears that the species currently accepted as the type species and adopted as such in the *Official List* is not the first of the originally included species to have been selected as the type species of the genus in question. Consultations are proceeding with representative ichthyologists in regard to these four names (on Commission File Z.N.(S.) 556) and it is proposed in these cases to defer for the present the submission of proposals for the addition to the *Official List* of the specific names of the species currently accepted as the type species of the genera concerned.

5. It will be seen from the particulars given above that the action required has already been taken in regard to the name of the type species of one of the genera involved, while in eight other cases it is considered that at the present moment it would be premature or otherwise undesirable to place on the *Official List* the specific name of the type species in question. In the case of the remaining thirty-nine generic names in the Class Pisces investigations carried out by this Office show (a) that the species accepted in the *Opinions* concerned as the type species of the genera involved are currently accepted as such by specialists, (b) that the species concerned have been validly designated or indicated as the type species of the genera in question and that where the determination of the type species has to be made under Rule (g) in Article 30 (type species by subsequent selection), the species have been validly selected to be the type species of the genera concerned, and (c) that the specific names of the nominal species which are the type species of the genera concerned are the oldest available names for the said species. In these circumstances it is now recommended that the thirty-nine specific names involved should be placed on the *Official List*.

6. *Class Amphibia* : The names of the three genera of the Class Amphibia which have been placed on the *Official List* are all available names and are currently accepted by specialists as the oldest such names for the genera concerned. In each case also the type species has been correctly determined under Article 30 of the *Règles*. In the case of two of the genera concerned (*Desmognathus* Baird, (1850) ; *Siren* Linnaeus, 1766) the specific name of the type species is the oldest available name for the species concerned and is currently accepted as such. These two specific names should therefore now be placed on the *Official List*. In the case of the third of the genera involved (*Cryptobranchus* Leuckart, 1821) the specific name of the type species (*gigantea*) is currently regarded as a junior subjective synonym of another name (*alleganiensis*). In this case it is the specific name which is the senior subjective synonym and not the specific name of the type

species which under the General Directive issued to the Commission by the International Congress of Zoology should now be placed on the *Official List*.

7. *Class Reptilia* : The specific name of the type species of one of the ten genera of the Class Reptilia which have to be considered has already been placed on the *Official List of Specific Names in Zoology*. The genus concerned is *Mabuya* Fitzinger, 1826, which was dealt with by the Commission in its *Opinion* 240. In the case of the name *Phrynosoma* Wiegmann, 1828, attention has been drawn by a specialist to the existence of certain names which appear to be senior synonyms (Application Z.N.(S.) 399) and it is not desirable that the specific name of the type species of this genus should be dealt with by the Commission until the more general issues raised can also be settled. In the case of a third name, *Eremias* Wiegmann, 1834, the selection as type species of the species accepted as such in the *Official List* and currently so accepted by specialists appears to have been anticipated by the selection of a different species. This question is now being investigated in conjunction with interested specialists (Z.N.(S.) 556) and it is not considered that any action is desirable until the present consultations have been concluded. In the case also of the name *Alligator* Cuvier, 1807, certain difficulties have been noted (Z.N.(S.) 551) and consultations are proceeding with specialists<sup>1</sup>. In this case also the question of placing the specific name of the type species on the *Official List* must be left over until comprehensive proposals can be laid before the Commission.

8. No difficulty arises in connection with the remaining six generic names in the Class Reptilia. The names themselves are available names and are currently accepted by specialists as the oldest such names for the genera concerned ; the species currently accepted as the type species of these genera have been correctly determined as such under Article 30 of the *Règles*, and the specific names for those species are available names and are the oldest such names for the species in question. The specific names of the type species of these six genera should therefore now be placed on the *Official List*.

9. Summarising the conclusions set forth in the present paper, I recommend that the International Commission on Zoological Nomenclature should :—

(1) place on the *Official List of Specific Names in Zoology* the specific names specified below, each of which is the specific name of the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936 :—

(a) the specific name of a species of the Class Cyclostomata cited in Section A of Annexe 1 attached hereto ;

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<sup>1</sup> Proposals for dealing with this question have now been submitted to the International Commission (Hemming, 1956, *Bull. zool. Nomencl.* **12** : 163–175).



- (b) the thirty-nine specific names of species of the Class Pisces cited in Section B of Annexe 1 attached hereto ;
- (c) the two specific names of species of the Class Amphibia cited in Section C of Annexe 1 attached hereto ;
- (d) the six specific names of species of the Class Reptilia cited in Section D of Annexe 1 attached hereto ;

(2) place on the *Official List of Specific Names in Zoology* the specific name of a species of the Class Amphibia (being a name currently regarded as a senior subjective synonym of the name of a species which is the type species of a genus the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the close of 1936) cited in Annexe 2 attached hereto.

### ANNEXE 1

**Proposed addition to the " Official List of Specific Names in Zoology " of forty-eight specific names of species belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, each of which is the specific name of the type species of a genus, the name of which was placed on the " Official List of Generic Names in Zoology " in the period up to the end of 1936**

<i>Specific Name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)

#### **Section A : Class Cyclostomata (one name)**

##### **" Opinion " 75**

<i>glutinosa</i> Linnaeus, 1758	<i>Myxine glutinosa</i>	<i>Myxine</i> Linnaeus, 1758
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#### **Section B : Class Pisces (thirty-nine names)**

##### **" Opinion " 75**

<i>tobianus</i> Linnaeus, 1758	<i>Ammodytes tobianus</i>	<i>Ammodytes</i> Linnaeus, 1758
<i>lupus</i> Linnaeus, 1758	<i>Anarhichas lupus</i>	<i>Anarhichas</i> Linnaeus, 1758
<i>hepsetus</i> Linnaeus, 1758	<i>Atherina hepsetus</i>	<i>Atherina</i> Linnaeus, 1758



<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>tabacaria</i> Linnaeus, 1758	<i>Fistularia tabacaria</i>	<i>Fistularia</i> Linnaeus, 1758
<i>cephalus</i> Linnaeus, 1758	<i>Mugil cephalus</i>	<i>Mugil</i> Linnaeus, 1758
<i>draco</i> Linnaeus, 1758	<i>Trachinus draco</i>	<i>Trachinus</i> Linnaeus, 1758
<i>scaber</i> Linnaeus, 1758	<i>Uranoscopus scaber</i>	<i>Uranoscopus</i> Linnaeus, 1758
<i>gladius</i> Linnaeus, 1758	<i>Xiphias gladius</i>	<i>Xiphias</i> Linnaeus, 1758

**“ Opinion ” 77**

<i>sturio</i> Linnaeus, 1758	<i>Acipenser sturio</i>	<i>Acipenser</i> Linnaeus, 1758
<i>lyra</i> Linnaeus, 1758	<i>Callionymus lyra</i>	<i>Callionymus</i> Linnaeus, 1758
<i>monstrosa</i> Linnaeus, 1758	<i>Chimaera monstrosa</i>	<i>Chimaera</i> Linnaeus, 1758
<i>harengus</i> Linnaeus, 1758	<i>Clupea harengus</i>	<i>Clupea</i> Linnaeus, 1758
<i>hippurus</i> Linnaeus, 1758	<i>Coryphaena hippurus</i>	<i>Coryphaena</i> Linnaeus, 1758
<i>lumpus</i> Linnaeus, 1758	<i>Cyclopterus lumpus</i>	<i>Cyclopterus</i> Linnaeus, 1758
<i>carpio</i> Linnaeus, 1758	<i>Cyprinus carpio</i>	<i>Cyprinus</i> Linnaeus, 1758
<i>morhua</i> Linnaeus, 1758	<i>Gadus morhua</i>	<i>Gadus</i> Linnaeus, 1758
<i>aculeatus</i> Linnaeus, 1758	<i>Gasterosteus aculeatus</i>	<i>Gasterosteus</i> Linnaeus, 1758
<i>niger</i> Linnaeus, 1758	<i>Gobius niger</i>	<i>Gobius</i> Linnaeus, 1758
<i>piscatorius</i> Linnaeus, 1758	<i>Lophius piscatorius</i>	<i>Lophius</i> Linnaeus, 1758
<i>cyprinoides</i> Linnaeus, 1758	<i>Mormyrus cyprinoides</i>	<i>Mormyrus</i> Linnaeus, 1758
<i>barbatus</i> Linnaeus, 1758	<i>Mullus barbatus</i>	<i>Mullus</i> Linnaeus, 1758
<i>fluviatilis</i> Linnaeus, 1758	<i>Perca fluviatilis</i>	<i>Perca</i> Linnaeus, 1758
<i>salar</i> Linnaeus, 1758	<i>Salmo salar</i>	<i>Salmo</i> Linnaeus, 1758
<i>scombrus</i> Linnaeus, 1758	<i>Scomber scombrus</i>	<i>Scomber</i> Linnaeus, 1758

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>porcus</i> Linnaeus, 1758	<i>Scorpaena porcus</i>	<i>Scorpaena</i> Linnaeus, 1758
<i>glanis</i> Linnaeus, 1758	<i>Silurus glanis</i>	<i>Silurus</i> Linnaeus, 1758
<i>acus</i> Linnaeus, 1758	<i>Syngnathus acus</i>	<i>Syngnathus</i> Linnaeus, 1758
<i>faber</i> Linnaeus, 1758	<i>Zeus faber</i>	<i>Zeus</i> Linnaeus, 1758

**" Opinion " 92**

<i>ocellaris</i> Linnaeus, 1758	<i>Blennius ocellaris</i>	<i>Blennius</i> Linnaeus, 1758
<i>lucius</i> Linnaeus, 1758	<i>Esox lucius</i>	<i>Esox</i> Linnaeus, 1758
<i>barbatum</i> Linnaeus, 1758	<i>Ophidion barbatum</i>	<i>Ophidion</i> Linnaeus, 1758

**" Opinion " 93**

<i>lavaretus</i> Linnaeus, 1758	<i>Salmo lavaretus</i>	<i>Coregonus</i> Linnaeus, 1758
<i>pisonis</i> Gmelin, [1789]	<i>Gobius pisonis</i>	<i>Eleotris</i> Schneider, 1801
<i>marginalis</i> Bloch, 1793	<i>Epinephelus marginalis</i>	<i>Epinephelus</i> Bloch, 1793
<i>reticularis</i> Bloch, 1795	<i>Gymnothorax reticularis</i>	<i>Gymnothorax</i> Bloch, 1795
<i>electricus</i> Gmelin, [1789]	<i>Silurus electricus</i>	<i>Malapterurus</i> Lacépède, 1803
<i>mustelus</i> Linnaeus, 1758	<i>Squalus mustelus</i>	<i>Mustelus</i> Linck, 1790
<i>paradiseus</i> Linnaeus, 1758	<i>Polynemus paradiseus</i>	<i>Polynemus</i> Linnaeus, 1758
<i>cabrilla</i> Linnaeus, 1758	<i>Perca cabrilla</i>	<i>Serranus</i> Cuvier, 1817

**Section C : Class Amphibia (two names)****" Opinion " 92**

<i>fuscus</i> Rafinesque, 1820	<i>Triturus fuscus</i>	<i>Desmognathus</i> Baird, (1850)
<i>lacertina</i> Linnaeus, 1766	<i>Siren lacertina</i>	<i>Siren</i> Linnaeus, 1766

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)

**Section D : Class Reptilia (six names)****" Opinion " 75**

<i>volans</i> Linnaeus, 1758	<i>Draco volans</i>	<i>Draco</i> Linnaeus, 1758
------------------------------	---------------------	-----------------------------

**" Opinion " 92**

<i>calamarius</i> Linnaeus, 1758	<i>Coluber calamarius</i>	<i>Calamaria</i> Boie, 1826
<i>serpentina</i> Linnaeus, 1758	<i>Testudo serpentina</i>	<i>Chelydra</i> Schweigger 1812
<i>horridus</i> Linnaeus, 1758	<i>Crotalus horridus</i>	<i>Crotalus</i> Linnaeus, 1758
<i>coriacea</i> Linnaeus, 1766	<i>Testudo coriacea</i>	<i>Dermochelys</i> Blainville, 1816
<i>agilis</i> Linnaeus, 1758	<i>Lacerta agilis</i>	<i>Lacerta</i> Linnaeus, 1758

## ANNEXE 2

**Proposed addition to the " Official List of Specific Names in Zoology " of the specific name of a species of the Class Amphibia which is currently treated as a senior subjective synonym of the name of a species which is the type species of a genus the name of which was placed on the " Official List of Generic Names in Zoology " in the period up to the close of 1936**

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology ".</i>	<i>Remarks</i>
(1)	(2)
<i>alleganiensis</i> Daudin, [1803], as published in the combination <i>Salamandra alleganiensis</i> .	(not for inclusion in the entry to be made in the <i>Official List</i> )  a senior subjective synonym of <i>gigantea</i> Barton, 1808, as pub- lished in the combination <i>Salamandra gigantea</i> , the specific name of the type species of <i>Cryptobranchus</i> Leuckart, 1821 (which was placed on the <i>Official List of Generic Names in Zoology</i> by the Ruling given in <i>Opinion</i> 92).



**2. Registration of the present application :** Upon the receipt of Mr. Hemming's paper the question of the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of genera belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, the names of which had been placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 was allotted the Registered Number Z.N.(S.) 1014.

## II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**3. Issue of Voting Paper V.P.(O.M.)(56)5 :** On 25th April 1956 a Voting Paper (V.P.(O.M.)(56)5) was issued in which each Member of the Commission was asked (1) to state whether he agreed " that, in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, the names of species in the Classes Cyclostomata, Pisces, Amphibia and Reptilia referred to in Sections (1) and (2) of paragraph 9 of the paper bearing the Registered Number Z.N.(S.) 1014 by the Secretary submitted simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Direction*] be placed on the *Official List of Specific Names in Zoology* as there recommended and that the other action recommended in the said paragraph be similarly approved ", and (2), if he did not so agree as regards any given item, to indicate that item.

4. Withdrawal from the scope of Voting Paper V.P.(O.M.)(56)5 of the proposal that the specific name "calamarius" Linnaeus, 1758, as published in the combination "Coluber calamarius", be placed on the "Official List of Generic Names in Zoology" to permit of the further study of the interpretation of the nominal species so named : On 2nd May 1956 Mr. Hemming, as Secretary, executed the following Minute withdrawing from the scope of Voting Paper V.P.(O.M.)(56)5 the proposal submitted therewith for the addition to the *Official List of Specific Names in Zoology* of the specific name *calamarius* Linnaeus, 1758, as published in the combination *Coluber calamarius*, the specific name of the type species of the genus *Calamaria* Boie, 1826 :—

Withdrawal from the scope of Voting Paper V.P.(O.M.)(56)5 of the proposal that the specific name "calamarius" Linnaeus, 1758, as published in the combination "Coluber calamarius" (Class Reptilia) be placed on the "Official List of Specific Names in Zoology"

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

With their completed copies of Voting Paper V.P.(O.M.)(56)4 received in the Office of the Commission today Dr. H. Boschma (Director, Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands) and Dr. L. B. Holthuis of the same Museum reported that they had been informed by Dr. L. D. Brongersma of the above Museum that there were certain hitherto unsuspected difficulties in the matter of the interpretation of the nominal genus *Calamaria* Boie, 1826, a genus, the name of which had been placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 92* and on which certain supplementary proposals had been submitted in the paper bearing the Number Z.N.(S.) 1015 issued to the Members of the Commission concurrently with the Voting Paper referred to above. It appeared from the communications so received that the current interpretation of the nominal species *Coluber calamarius* Linnaeus, 1758, the type species of the foregoing genus and/or of the objectively identical nominal species *Calamaria linnaei* Boie, 1826, was open to question and that there was at least a possibility that the species to which Linnaeus had given that name was a species at present placed by specialists in a genus far removed from *Calamaria* Boie.



2. On the receipt of the communications referred to above I at once executed a Minute<sup>2</sup> numbered Z.N.(S.) 1015 in which, as Secretary, I withdrew certain proposals relating to the generic name *Calamaria Boie* from the scope of Voting Paper V.P.(O.M.)(56)4, in order to permit of the further study of the issues alluded to in the foregoing communications and directed that a new File bearing the Registered Number Z.N.(S.) 1114 be opened for the prosecution of the study of the issues so reserved for further examination. The same problem arises in connection with the proposals submitted to the Commission with Voting Paper V.P.(O.M.)(56)5, which are closely linked with those submitted with Voting Paper V.P.(O.M.)(56)4, being concerned with the addition to the *Official List of Specific Names in Zoology* of the specific names of the type species of genera belonging to the Classes Cyclostomata, Pisces, Amphibia and Reptilia, the names of which were placed on the *Official List of Generic Names in Zoology* during the period up to the end of 1936, the group of names in respect of which certain preliminary proposals of a miscellaneous character had been submitted with Voting Paper V.P.(O.M.)(56)4. In these circumstances, as Secretary, I hereby withdraw from the scope of Voting Paper V.P.(O.M.)(56)5 the proposals in regard to the specific name *calamarius* Linnaeus, 1758, as published in the combination *Coluber calamarius*, submitted therewith and direct that whatever may be found to be the appropriate recommendation on this matter be submitted at the close of the investigations on File Z.N.(S.) 1114 opened for the corresponding investigations arising out of the withdrawal from the scope of Voting Paper V.P.(O.M.)(56)4 of the proposals submitted therewith in connection with the generic name *Calamaria Boie*.

**5. The Prescribed Voting Period for V.P.(O.M.)(56)5 :** As Voting Paper V.P.(O.M.)(56)5 was issued under the One-Month Rule, the Prescribed Voting Period therefore closed on 25th May 1956.

**6. Particulars of the Voting on Voting Paper V.P.(O.M.)(56)5 :** At the close of the Prescribed Voting Period for Voting Paper V.P.(O.M.)(56)5, the state of the voting on the proposals submitted therewith, other than on that part of those proposals which had been withdrawn from the scope of that Voting Paper by the Minute executed by the Secretary on 2nd May 1956 (the

---

<sup>2</sup> The text of the Minute here referred to has been reproduced in paragraph 5 of *Direction 56* (published in the immediately preceding Part of the present Section of Volume 1 of the "Opinions and Declarations" Series).



text of which has been reproduced in paragraph 4 of the present *Direction*) was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received :*

Holthuis ; Boschma ; Stoll ; Vokes ; Hering ; Miller ;  
Prantl ; Bodenheimer ; Cabrera ; Esaki ; Mayr ; do  
Amaral ; Lemche ; Hankó ; Dymond ; Mertens ;  
Key ; Jaczewski ; Bonnet ; Hemming ; Sylvester-  
Bradley ; Riley ; Kühnelt ; Tortonese ;

- (b) *Negative Votes :*

None ;

- (c) *On Leave of Absence, one (1) :*

Bradley (J.C.) ;

- (d) *Voting Papers not returned :*

None.

**7. Declaration of Result of Vote :** On 7th June 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.) (56)5, signed a Certificate that the Votes cast on that Voting Paper, other than on the proposals in regard to the name *calamarius* Linnaeus, 1758, as published in the combination *Coluber calamarius*, submitted therewith, which had been withdrawn from its scope by the Minute executed by the Secretary on 2nd

May 1956 (the text of which has been reproduced in paragraph 4 of the present *Direction*) were as set out in paragraph 6 above and that the proposals submitted with that Voting Paper, other than the proposals so withdrawn, had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**8. Preparation of the Ruling given in the present “ Direction ” :**

On 1st October 1956, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its vote on Voting Paper V.P.(O.M.)(56)5, subject to the exclusion therefrom of the proposals in regard to the specific name *calamarius* Linnaeus specified in the Minute executed by the Secretary on 2nd May 1956 referred to in paragraph 7 above.

**9. Original References :** The original references for the specific names placed on the *Official List of Specific Names in Zoology* by the Ruling given in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*, the nominal species bearing the names concerned being either (i) the type species of genera, the names of which have been inscribed on that *List* or (ii), in one case, a nominal species which is currently subjectively identified as representing the same taxon as that represented by a nominal species which is the type species of such a genus.

**10.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

11. The present *Direction* shall be known as *Direction* Fifty-Seven (57) of the International Commission on Zoological Nomenclature.

DONE in London, this First day of October, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

FRANCIS HEMMING

#### Note to Subscribers

The next following “*Direction*” (“*Direction*” 58), which is being published simultaneously with the present “*Direction*”, is being issued as Part 21 of Volume 13 of the present Series.



# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.19.**

**(Concluding Part)**



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# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

**Secretary to the Commission**

**VOLUME 1. SECTION D. Part D.19. Pp. 389—470**

(also published with this Part : T.P—XIV)

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Supplementary Directions in regard to two names ;  
Corrigenda ; Subject Index ; Particulars of the dates of  
publication of the several Parts in which the present  
volume was published ; Instructions to Binders.

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Also published with this Part : Title Page, Foreword ;  
Table of Contents.

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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE DIRECTIONS PUBLISHED IN THE PRESENT SECTION OF VOLUME 1

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*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

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*(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)*

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Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*) (16th December 1954)

## SUPPLEMENT TO DIRECTION 56

Instructions regarding the generic name "Teuthys" Linck, 1790 (Class Pisces) and Supplementary Instructions relating to the generic name "Teuthis" Schneider, 1784 (Class Cephalopoda)

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

In the course of the routine checking of entries made on the *Official Lists* and *Official Indexes* by Rulings given by the International Commission on Zoological Nomenclature during the year now closing my attention has been drawn to two minor matters affecting *Direction 56*, published on 20th of the current month (*Ops. Decls. int. Comm. zool. Nomencl.* 1(D) : 337—364), which call for supplementary action by the International Commission.

2. First, I note that by an oversight the name *Teuthys* Linck, 1790 (Class Pisces) (*Mag. f. Neueste aus der Physik u. Naturgesch.* 6(3) : 32) (an Erroneous Subsequent Spelling for *Teuthis* Linnaeus, 1776, a name placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion 93*) was omitted from the list of invalid generic names enumerated in Section A of Annexe 2 of the paper bearing the Registered Number Z.N.(S.) 1015 there recommended for addition to the *Official Index of Rejected and Invalid Generic Names in Zoology*, which formed the basis on which the International Commission took the decisions later embodied in *Direction 56*.

3. Second, I regret to find that the reputed generic name *Teuthis* Schneider, 1784 (Class Cephalopoda) which was placed on the foregoing *Official Index* as Name No. 813 by the Ruling given in the above *Direction* had already been entered on that *Official Index* as Name No. 58 by the Ruling given in *Opinion 233* (1954, *Ops. Decls. int. Comm. zool. Nomencl.* 4 : 275—296).

4. In order to make good the omission specified in paragraph 2 above and to correct the error specified in paragraph 3 above, I now, as Secretary to the International Commission on Zoological Nomenclature, hereby direct as follows, namely :—

- (a) that the duplicate entry of *Teuthis* Schneider, 1784, as Name No. 813 on the *Official Index of Rejected and Invalid Generic Names in Zoology* made by the Ruling given in *Direction 56* be cancelled and withdrawn ;
- (b) that the name *Teuthys* Linck, 1790 (an Erroneous Subsequent Spelling for *Teuthis* Linnaeus, 1766), a name inadvertently omitted from the names placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Ruling given in *Direction 56* be treated as having been entered on the said *Official Index* by the Ruling given in the foregoing *Direction*, with the Name No. 813 (a Name Number rendered vacant by the instruction specified in (a) above).

(signed) FRANCIS HEMMING

*Secretary to the International Commission  
on Zoological Nomenclature*

31st December 1956



## Corrigenda

- page 6. Ruling (1)(24), lines 1 and 3 : delete square brackets from around “ 1869 ”.
- page 8. Ruling (1)(40), lines 1 and 2 : substitute “ *cylindrus* ” for “ *cylandricus* ”.
- page 11. Ruling (1)(68), lines 1 and 3 : substitute “ Zehntner ” for “ Zehnter ”.
- page 17. Ruling (1)(121), lines 1 and 4 : delete square brackets from around “ 1860 ”.
- page 20. Ruling (1)(146), first line : substitute “ [1828] ” for “ 1825 ”.
- page 23. Ruling (2)(3), first line : substitute “ 1758 ” for “ 1767 ”.
- page 24. Ruling (4)(9), first line : delete “Adams & ”.
- page 31. Line 9 from end, columns 1 and 3 : delete square brackets from around “ 1869 ”.
- page 32. Line 14 from end, columns 1 and 2 : substitute “ *cylindrus* ” for “ *cylandricus* ”.
- page 34. Line 6, column 1 and line 7, column 3 : substitute “ Zehntner ” for “ Zehnter ”.
- page 36. Third line from end, column 3 : delete square brackets from around “ 1860 ”.
- page 38. Line 19, column 1 : substitute “ [1828] ” for “ 1825 ”.
- page 40. Second entry, column 1, first line and column 2, second line : substitute “ 1758 ” for “ 1767 ”.
- page 57. Ruling (3)(k), entries (a) (b) and (c) : insert “ Milne Edwards & ” before “ Lucas ”.
- page 77. Section B, 2, first line : substitute “ *pennanti* ” for “ *ponnanti* ”.
- page 159. Ruling (3)(f)(iii) : substitute “ 121 ” for “ 12 ”.
- page 175. Ruling (1)(20), first line : substitute “ *novae-hollandiae* ” for “ *novae-hollandiae* ”.
- page 214. Line 3 from end : substitute “ 1828 ” for “ 1838 ”.
- page 246. Ruling (3)(b) : delete square brackets from around “ 1815 ”.
- page 249. Paragraph 5, lines 12 and 19 : substitute “ XL ” for “ XI ”.
- page 340. Ruling (2)(vii), second line : substitute “ 1864 ” for “ 1863 ”.
- page 371. Ruling (2)(b)(iii), lines 1 and 2 : substitute “ *barbatum* ” for “ *barbatus* ”.
- page 374. Ruling (4)(b)(ii), line 1 : substitute “ 1758 ” for “ 1858 ”.



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