

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

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OPINION 427

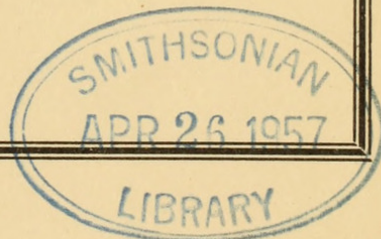
Rejection for nomenclatorial purposes of the work by Renier (S.A.) known as *Tavole per servire alle classificazione e conoscenza degli animali* and commonly attributed to the year 1807 and addition to the *Official Indexes of Rejected and Invalid Names in Zoology* of certain names first used in the foregoing work or in two earlier works by the same author commonly known as the *Tavola alfabetica* and the *Prospetto* respectively and both commonly attributed to the year 1804

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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OPINION 427

REJECTION FOR NOMENCLATORIAL PURPOSES OF THE WORK BY RENIER (S.A.) KNOWN AS "TAVOLE PER SERVIRE ALLE CLASSIFICAZIONE E CONNEC-CENZA DEGLI ANIMALI " AND COMMONLY ATTRIBUTED TO THE YEAR 1807 AND ADDITION TO THE " OFFICIAL INDEXES OF REJECTED AND INVALID NAMES IN ZOOLOGY " OF CERTAIN NAMES FIRST USED IN THE FOREGOING WORK OR IN TWO EARLIER WORKS BY THE SAME AUTHOR COMMONLY KNOWN AS THE " TAVOLA ALFABETICA " AND THE " PROSPETTO " RES-TIVELY AND BOTH COM-MONLY ATTRIBUTED TO THE YEAR 1804

RULING :—(1) It is hereby ruled that the work by Renier (S.A.) known as the *Tavole per servire alle classificazione e connescenza degli Animali* and commonly attributed to the year 1807 was not duly published within the meaning of Article 25 of the *Règles* and therefore that no name acquired the status of availability by reason of appearing in the foregoing work.

(2) 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 Number 49.

(3) The under-mentioned generic names included in S. A. Renier's *Prospetto della Classe dei Vermi*, commonly attributed to the year 1804, a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 316, are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Aglaiia* [sic] Renier, [1804] (Name No. 578) ;¹
- (b) *Rodens* Renier, [1804] (Name No. 579) ;
- (c) *Tricoelia* [sic] Renier, [1804] (Name No. 580) ;
- (d) *Tubulanus* Renier, [1804] (Name No. 581).²

(4) The under-mentioned generic names included in the work by S. A. Renier rejected for nomenclatorial purposes under (1) above are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Arenaria* Renier, [1807] (Name No. 582) ;
- (b) *Imisia* Renier, [1807] (Name No. 583) ;
- (c) *Marginella* Renier, [1807] (Name No. 584).

(5) The under-mentioned generic names formed with the termination “-genus” included by Renier in the work rejected for nomenclatorial purposes under (1)

¹ For the provisional decision taken by the International Commission in regard to the name *Aglaja* Renier, [1807], see Ruling 8(b)(i) of the present *Opinion*.

² For the provisional decision taken by the International Commission in regard to the generic name *Tubulans* Renier, [1807], see Ruling 8(b)(vii) of the present *Opinion*.

are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

- (i) *Teredigenus* Renier, [1807] (Name No. 585) ;
- (ii) *Pholadigenus* Renier, [1807] (Name No. 586) ;
- (iii) *Fistulanigenus* Renier, [1807] (Name No. 587) ;
- (iv) *Saxicavigenus* Renier, [1807] (Name No. 588) ;
- (v) *Rupellarigenus* Renier, [1807] (Name No. 589) ;
- (vi) *Petricoligenus* Renier, [1807] (Name No. 590) ;
- (vii) *Solenigenus* Renier, [1807] (Name No. 591) ;
- (viii) *Sanguinolarigenus* Renier, [1807] (Name No. 592) ;
- (ix) *Glycimerigenus* Renier, [1807] (Name No. 593) ;
- (x) *Myigenus* Renier, [1807] (Name No. 594) ;
- (xi) *Panopeigenus* Renier, [1807] (Name No. 595) ;
- (xii) *Anatinigenus* Renier, [1807] (Name No. 596) ;
- (xiii) *Mactrigenus* Renier, [1807] (Name No. 597) ;
- (xiv) *Lutrarigenus* Renier, [1807] (Name No. 598) ;
- (xv) *Crassatelligenus* Renier, [1807] (Name No. 599) ;
- (xvi) *Ungulinigenus* Renier, [1807] (Name No. 600) ;
- (xvii) *Tellinigenus* Renier, [1807] (Name No. 601) ;
- (xviii) *Donacigenus* Renier, [1807] (Name No. 602) ;

- (xix) *Cytherigenus* Renier, [1807] (Name No. 603) ;
- (xx) *Venerigenus* Renier, [1807] (Name No. 604) ;
- (xxi) *Erycinigenus* Renier, [1807] (Name No. 605) ;
- (xxii) *Capsigenus* Renier, [1807] (Name No. 606) ;
- (xxiii) *Galateigenus* Renier, [1807] (Name No. 607) ;
- (xxiv) *Cycladigenus* Renier, [1807] (Name No. 608) ;
- (xxv) *Lucinigenus* Renier, [1807] (Name No. 609) ;
- (xxvi) *Venericardigenus* Renier, [1807] (Name No. 610) ;
- (xxvii) *Cardigenus* Renier, [1807] (Name No. 611) ;
- (xxviii) *Isocardigenus* Renier, [1807] (Name No. 612) ;
- (xxix) *Carditigenus* Renier, [1807] (Name No. 613) ;
- (xxx) *Hippopigenus* Renier, [1807] (Name No. 614) ;
- (xxxi) *Tridacnigenus* Renier, [1807] (Name No. 615) ;
- (xxxii) *Trigonigenus* Renier, [1807] (Name No. 616) ;
- (xxxiii) *Cucullaeigenus* Renier, [1807] (Name No. 617) ;
- (xxxiv) *Archigenus* Renier, [1807] (Name No. 618) ;
- (xxxv) *Pectunculigenus* Renier, [1807] (Name No. 619) ;
- (xxxvi) *Nuculigenus* Renier, [1807] (Name No. 620) ;
- (xxxvii) *Anodontigenus* Renier, [1807] (Name No. 621) ;
- (xxxviii) *Uniigenus* Renier, [1807] (Name No. 622) ;
- (xxxix) *Pandorigenus* Renier, [1807] (Name No. 623) ;

- (xl) *Corbuligenus* Renier, [1807] (Name No. 624) ;
- (xli) *Diceratigenus* Renier, [1807] (Name No. 625);
- (xlii) *Chamigenus* Renier, [1807] (Name No. 626) ;
- (xliii) *Etheriigenus* Renier, [1807] (Name No. 627) ;
- (xliv) *Hirundigenus* Renier, [1807] (Name No. 628) ;
- (xlv) *Malleigenus* Renier, [1807] (Name No. 629) ;
- (xlvi) *Pernigenus* Renier, [1807] (Name No. 630) ;
- (xlvii) *Crenatuligenus* Renier, [1807] (Name No. 631) ;
- (xlviii) *Mytiligenus* Renier, [1807] (Name No. 632) ;
- (xlix) *Modioligenus* Renier, [1807] (Name No. 633) ;
- (l) *Pinnigenus* Renier, [1807] (Name No. 634) ;
- (li) *Plancunigenus* [sic] Renier, [1807] (Name No. 635) ;
- (lii) *Marginelligenus*³ Renier, [1807] (Name No. 636) ;
- (liii) *Limigenus* Renier, [1807] (Name No. 637) ;
- (liv) *Pedigenus* Renier, [1807] (Name No. 638) ;
- (lv) *Cystigenus* Renier, [1807] (Name No. 639) ;
- (lvi) *Imisigenus* Renier, [1807] (Name No. 640) ;
- (lvii) *Pectinigenus* Renier, [1807] (Name No. 641) ;

³ The name *Marginelligenus* Renier specified as Item (lii) (Name No. 636) in the Ruling given in the present *Opinion* is a name for a genus in the Class Pelecypoda which Renier also called by the name *Marginella* Renier. This genus was illustrated on Renier's Tav. VII. The homonymous generic name *Marginelligenus* Renier specified as Item (cxxxiv) (Name No. 718) in the Ruling given in the present *Opinion* is a name for a genus in the Class Gastropoda. This name was based by Renier on the name *Marginella* Lamarck, 1799. This genus was illustrated on Renier's Tav. VIII.

- (lviii) *Spondyligenus* Renier, [1807] (Name No. 642) ;
- (lix) *Plicatuligenus* Renier, [1807] (Name No. 643) ;
- (lx) *Gryphaeigenus* Renier, [1807] (Name No. 644) ;
- (lxi) *Ostreigenus* Renier, [1807] (Name No. 645) ;
- (lxii) *Vulselligenus* Renier, [1807] (Name No. 646) ;
- (lxiii) *Anomigenus* Renier, [1807] (Name No. 647) ;
- (lxiv) *Creniigenus* Renier, [1807] (Name No. 648) ;
- (lxv) *Calceoligenus* Renier, [1807] (Name No. 649) ;
- (lxvi) *Radiolithigenus* Renier, [1807] (Name No. 650) ;
- (lxvii) *Orbiculigenus* Renier, [1807] (Name No. 651) ;
- (lxviii) *Terebratuligenus* Renier, [1807] (Name No. 652) ;
- (lxix) *Liguligenus* Renier, [1807] (Name No. 653) ;
- (lxx) *Anatifigenus* Renier, [1807] (Name No. 654) ;
- (lxxi) *Balanigenus* Renier, [1807] (Name No. 655) ;
- (lxxii) *Tubicinelligenus* Renier, [1807] (Name No. 656) ;
- (lxxiii) *Coronuligenus* Renier, [1807] (Name No. 657) ;
- (lxxiv) *Aspergilligenus* Renier, [1807] (Name No. 658) ;
- (lxxv) *Siliquarigenus* Renier, [1807] (Name No. 659) ;

- (lxxvi) *Vermicularigenus* Renier, [1807] (Name No. 660) ;
- (lxxvii) *Arenarigenus* Renier, [1807] (Name No. 661) ;
- (lxxviii) *Patelligenus* Renier, [1807] (Name No. 662) ;
- (lxxix) *Fissurelligenus* Renier, [1807] (Name No. 663) ;
- (lxxx) *Emarginuligenus* Renier, [1807] (Name No. 664) ;
- (lxxxii) *Crepiduligenus* Renier, [1807] (Name No. 665) ;
- (lxxxiii) *Calyptraeigenus* Renier, [1807] (Name No. 666) ;
- (lxxxiv) *Stomatiigenus* Renier, [1807] (Name No. 667) ;
- (lxxxv) *Haliotidigenus* Renier, [1807] (Name No. 668) ;
- (lxxxvi) *Concolepadigenus* Renier, [1807] (Name No. 669) ;
- (lxxxvii) *Planospirigenus* Renier, [1807] (Name No. 670) ;
- (lxxxviii) *Chitonigenus* Renier, [1807] (Name No. 671) ;
- (lxxxviii) *Testacelligenus* Renier, [1807] (Name No. 672) ;
- (lxxxix) *Natichigenus* Renier, [1807] (Name No. 673) ;
- (xc) *Neritinigenus* Renier, [1807] (Name No. 674) ;
- (xci) *Helicinigenus* Renier, [1807] (Name No. 675) ;
- (xcii) *Helicigenus* Renier, [1807] (Name No. 676) ;
- (xciii) *Planorbigenus* Renier, [1807] (Name No. 677) ;

- (xciv) *Ampullarigenus* Renier, [1807] (Name No. 678) ;
- (xcv) *Auriculigenus* Renier, [1807] (Name No. 679) ;
- (xcvi) *Pyramidelligenus* Renier, [1807] (Name No. 680) ;
- (xcvii) *Melanigenus* Renier, [1807] (Name No. 681) ;
- (xcviii) *Lymneigenus* Renier, [1807] (Name No. 682) ;
- (xcix) *Achatinigenus* Renier, [1807] (Name No. 683) ;
- (c) *Phasianelligenus* Renier, [1807] (Name No. 684) ;
- (ci) *Volvarigenus* Renier, [1807] (Name No. 685) ;
- (cii) *Bulimigenus* Renier, [1807] (Name No. 686) ;
- (ciii) *Amphibulimigenus* Renier, [1807] (Name No. 687) ;
- (civ) *Ianthinigenus* Renier, [1807] (Name No. 688) ;
- (cv) *Turritelligenus* Renier, [1807] (Name No. 689) ;
- (cvi) *Pupigenus* Renier, [1807] (Name No. 690) ;
- (cvii) *Scalarigenus* Renier, [1807] (Name No. 691) ;
- (cviii) *Cyclostomigenus* Renier, [1807] (Name No. 692) ;
- (cix) *Monodontigenus* Renier, [1807] (Name No. 693) ;
- (cx) *Delphinuligenus* Renier, [1807] (Name No. 694) ;
- (cxi) *Turbinigenus* Renier, [1807] (Name No. 695) ;
- (cxii) *Solarigenus* Renier, [1807] (Name No. 696) ;

- (cxiii) *Trochigenus* Renier, [1807] (Name No. 697) ;
- (cxiv) *Cerithiigenus* Renier, [1807] (Name No. 698) ;
- (cxv) *Clavatuligenus* Renier, [1807] (Name No. 699) ;
- (cxvi) *Pleurotomigenus* Renier, [1807] (Name No. 700) ;
- (cxvii) *Turbinelligenus* Renier, [1807] (Name No. 701) ;
- (cxviii) *Fasciolarigenus* Renier, [1807] (Name No. 702) ;
- (cxix) *Pyruligenus* Renier, [1807] (Name No. 703) ;
- (cxx) *Fusigenus* Renier, [1807] (Name No. 704) ;
- (cxxi) *Muricigenus* Renier, [1807] (Name No. 705) ;
- (cxxii) *Rostellariigenus* Renier, [1807] (Name No. 706) ;
- (cxxiii) *Pterocerigenus* Renier, [1807] (Name No. 707) ;
- (cxxiv) *Strombigenus* Renier, [1807] (Name No. 708) ;
- (cxxv) *Cassigenus* Renier, [1807] (Name No. 709) ;
- (cxxvi) *Harpigenus* Renier, [1807] (Name No. 710) ;
- (cxxvii) *Doliigenus* Renier, [1807] (Name No. 711) ;
- (cxxviii) *Terebrigenus* Renier, [1807] (Name No. 712) ;
- (cxxix) *Eburnigenus* Renier, [1807] (Name No. 713) ;
- (cxxx) *Buccinigenus* Renier, [1807] (Name No. 714) ;
- (cxxxii) *Purpurigenus* Renier, [1807] (Name No. 715) ;
- (cxxxii) *Nassigenus* Renier, [1807] (Name No. 716) ;

- (cxxxiii) *Cancellarigenus* Renier, [1807] (Name No. 717) ;
- (cxxxiv) *Marginelligenus*⁴ Renier, [1807] (Name No. 718) ;
- (cxxxv) *Columbelligenus* Renier, [1807] (Name No. 719) ;
- (cxxxvi) *Mitrigenus* Renier, [1807] (Name No. 720) ;
- (cxxxvii) *Volutigenus* Renier, [1807] (Name No. 721) ;
- (cxxxviii) *Ancilligenus* Renier, [1807] (Name No. 722) ;
- (cxxxix) *Olivigenus* Renier, [1807] (Name No. 723) ;
- (cxl) *Terebelligenus* Renier, [1807] (Name No. 724) ;
- (cxli) *Ovuligenus* Renier, [1807] (Name No. 725) ;
- (cxlii) *Cypraeigenus* Renier, [1807] (Name No. 726) ;
- (cxliii) *Conigenus* Renier, [1807] (Name No. 727) ;
- (cxliv) *Sigaretigenus* Renier, [1807] (Name No. 728) ;
- (cxlv) *Bulligenus* Renier, [1807] (Name No. 729).

(6) The under-mentioned specific names included in Renier's work known as *Tavole alfabetica delle Conchiglie adriatiche* and commonly attributed to the year 1804 are hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Numbers severally specified below :—

- (a) *candidus* Renier, [1804], as used in the combination *Solen candidus* (Name No. 352) ;
- (b) *incurva* Renier, [1804], as used in the combination *Helix incurva* (Name No. 353) ;
- (c) *serrata* Renier, [1804], as used in the combination *Tellina serrata* (Name No. 354).

⁴ The name *Marginelligenus* Renier here specified, which applies to a genus in the Class Gastropoda is a homonym of an identical name applied by Renier on the preceding plate (Tav. VII) to a genus in the Class Pelecypoda. See Footnote 3.

(7) The under-mentioned specific name included in the work by Renier rejected for nomenclatorial purposes under (1) above is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name Number 355 : *macula* Renier, [1807], as used in the combination *Acicula macula*.

(8) The future status to be accorded to the under-mentioned names introduced by Renier in the *Prospetto della Classe dei Vermi* and in the *Tavole per servire alle classificazione e connescenza degli Animali* respectively is hereby reserved for further consideration :—

(a) *Names used in the “Prospetto della Classe dei Vermi”* :—

- (i) *Discoïdes* Renier, [1804] ; (ii) *Cerebratululus* Renier, [1804] ; (iii) *Polycitor* Renier, [1804] ; (iv) *Scolixedion* Renier, [1804] ;

(b) *Names used in the “Tavole serv. Class. Conn. Anim.”* :—

- (i) *Aglaja* Renier, [1807] ; (ii) *Alcyonaria* Renier, [1807] ; (iii) *Cystia* Renier, [1807] ; (iv) *Rodens* Renier, [1807] ; (v) *Tricelia* Renier, [1807] ; (vi) *Tuba* Renier, [1807] ; (vii) *Tubulanus* Renier, [1807].

I. THE STATEMENT OF THE CASE

On 28th July 1952 Dr. Myra Keen (*Stanford University, Stanford, California, U.S.A.*) submitted to the International

Commission on Zoological Nomenclature an application for a Ruling that the work by Renier (S.A.) known as the *Tavole per servire alle classificazione e connescenza degli Animali* and commonly attributed to the year 1807 was not duly published within the meaning of Article 25 of the *Règles* and therefore that no name introduced in that work acquired thereby the status of availability. In the same application Dr. Keen suggested that in the case of seven generic names introduced in the above work, as also four generic names introduced in the *Prospetto della Classe dei Vermi* of the same author, an opportunity should be given to interested specialists to state whether, in their view, validation under the Plenary Powers was desirable. In 1954 this application was revised by the applicant on certain points of detail and was re-submitted in the following form on 12th May of that year :—

Application for a Ruling that works credited to S. A. Renier as of the dates 1804 and 1807 were not published within the meaning of Article 25 of the “ Règles ”

By A. MYRA KEEN

(*Stanford University, Stanford, California, U.S.A.*)

In a recent petition Dr. L. R. Cox (Commission's reference Z.N.(S.) 432⁵) asks that “the *Prodromo* of S. A. Renier and the *Prospetto della Classe dei Vermi* (dated 1804) prepared by that author for inclusion in the *Prodromo*” be rejected as not having been duly published.

2. The present petition requests that the Commission consider the larger problem of all of Renier's uncompleted works dated 1804 and 1807. As Dr. Cox's petition did not take into account the generic and specific names involved, it seems well to review these in some detail.

3. The term “*Prodromo*” apparently was used only informally if at all by Renier, for the word does not appear in the photostatic copy of Renier's works now in Stanford University library, a copy

⁵ A decision has since been taken on Dr. Cox's application (1951, *Bull. zool. Nomencl.* 2 : 299—300) and has been embodied in *Opinion* 316 (*Ops. Decls. int. Comm. zool. Nomencl.* 9 : 91—106).

formerly owned by C. D. Sherborn. In his *Index Animalium* (sect. 2, vol. 1, 1922) Sherborn cites the titles of these works thus :

Prodr. osserv. Venezia 1804—7 (not published except as the three following) :

Tavola alfab. Conch. Adriat. 1804.

Prosp. classe dei Vermi. 1804.

Compendium di Zoologia (does not exist except as the following) :

Tavole per serve. conosc. classif. Anim. 1807 ; (Ed. 2, 1820, quoted by Meneghini in Oss. post. 1847, 114).

The *Nomenclator Animalium Generum et Subgenerum* of Schulze, Kükenthal, and Heider (vol. 1, 1926) cites these titles somewhat differently :

Tavola Alfabetica delle Conchiglie Adriatiche nominate dietro il sistema di Linneo, Edizione di Gmelin. Padua, 1788.

Prodromo di Osservazioni sopra alcuni Esseri viventi della Classe dei Vermi abitanti nell' Adriatico, nelle Lagune e Litorali Veneti—Prospetto della Classe dei Vermi. Padua, 1804.

Tavole per servire alla classificazione e conoscenza degle animali. Padua, 1807.

4. The only contemporary mention of Renier's work I have found is by G. B. Brocchi (1814, *Conchiologia fossile Subappennina* 1 : 55 [free translation]) :

... Signor Renieri, professor of natural history at the University of Padua, having been engaged for several years in the study of the organisms of the Adriatic, has provided me the opportunity of consulting the very rich series of shells which he collected in this sea and on which he published the Catalogue in 1804 . . .

Brocchi's book, published in Milan (not far from Padua), had wide circulation in Europe, and hence it carried some of Renier's zoological names with it. Save for citations from Brocchi, I find no further mention of Renier's early papers until 1847 when in another nearby Italian city, Venice, two authors, Meneghini and Nardo, published works based on Renier's manuscripts. As I have not been able to consult these, I quote the titles from Engelmann (*Bibliotheca zool.*, Bd. 1, 1861 : 273—274) :

Renier, St. A., Osservazioni postumi di zoologia Adriatica, pubblicati per cura dell' I. R. Istituto Veneto di scienze, lettere ed arti a studio del Prof. Meneghini. Con 16 tavole color, e 16 tavole nere. Venezia . . . 1847. Fol. In 100 Exemplaren gedrückt.

Nardo, Giov. Domin., Fauna marina volgare del Veneto estuario. Venezia, 1847. 8.

—Prospetto della Fauna marina del Veneto Estuario. Venezia, 1847. 8.

Hence, the date of validation of most of Renier's zoological names would seem to be 1847. One may question whether even Brocchi considered the names to have been published, for he cited no page references for the names of the species that he attributed to Renier, in marked contrast to the careful documentation given the names of species described by previous authors.

5. Renier's first work, the "*Tavola alfabetica . . .*" is assigned the date 1788 by Engelmann (*op. cit.* : 831) and by Schulze, Kükenthal, and Heider. This is manifestly incorrect, for the sections of Gmelin's edition of *Systema Naturae* to which it refers did not appear until 1790. In this *Tavola*, which consists of plates numbered 1 to 13, no new generic names were proposed, but Renier credited to himself many new trivial names, with footnote discussions. Although most of his descriptions are inadequate, references to previously published figures document a number of names. Fortunately, most of the figures had already been acceptably named by other authors. At least three of Renier's specific names, however, still crop up occasionally in lists—*Tellina serrata*, *Solecurtus candidus*, and *Eulima incurva*. The first two are absolute *nomina nuda* in the *Tavola*. *Tellina serrata* was validated by Brocchi, 1814, and should be attributed to him. For *Solecurtus candidus* (*Solen candidus* Renier) the synonym *S. scopula* Turton, 1822 has been adopted by Winckworth (1932, *J. Conch.* 19 : 246). Winckworth credited *Eulima incurva* (*Helix incurva* Renier, based on two published figures) to Bucquoy, Dautzenberg, and Dollfus, 1893, though one would wonder whether it may not have been validated earlier by Meneghini or Nardo. Some 40 other of Renier's specific names are listed by Bucquoy, Dautzenberg and Dollfus (1882—1898, *Mollusques Marins du Roussillon*) as synonyms. Hence, none of the names in the *Tavola alfab.* seems in need of conservation.

6. The pages of the *Prospetto della Classe dei Vermi . . .* are numbered as plates XV to XXVI. Several new generic and trivial names are proposed :

Discoïdes (sole species, *D. nutans* Renier, briefly described).

Polycitor (based on four species, of which two are previously described, *Alcyonium schlosseri* Pallas, 1766, and *A. conicum* Olivi, 1792, renamed by Renier).

Scolixedion (sole species *S. penulatum* Renier = *Serpula arenaria* Linnaeus, 1758).

Cerebratulus (based on two species, *C. bilineatus* Renier and *C. marginatus* Renier, both briefly described).

Aglaia [sic], *Rodens*, *Tricoelia* [sic], *Tubulanus* (*nomina nuda*).

7. As I have shown elsewhere (1951, *Nautilus* 65 (No. 1) : 8—15), the third work of Renier, the "Tavole", consists of eighty synoptic tables covering five of the eleven classes into which he divided the animal kingdom. Names credited by Renier to himself appear in four of the tables :

Alcyonaria (based on *Alcyonium palmatum* Pallas, 1766, and *A. digitatum* Linnaeus, 1758).

Acicula (sole species, *A. macula* Renier, briefly described).

Rodens (sole species, *R. armillatus* Renier, briefly described).

Tricelia (sole species, *T. variopedata* Renier, briefly described).

Tuba (sole species, *T. divisa* Renier, briefly described).

Tubulanus (sole species, *T. polymorphus* Renier, briefly described).

Cystia (based on two species, *C. nivea* Renier, undescribed, and *Ostrea bullata* Born, 1778).

Arenaria (homonym of *Arenaria* Brisson, 1760).

Aglaja (based on two species, *A. depicta* Renier and *A. tricolorata* Renier, both described).

Discoides (sole species, *D. nutans* Renier, briefly described).

Cerebratulus, *Marginella*, *Imisia*, *Scolixedion* (*nomina nuda*).

8. Had these unfinished works of Renier been validly published in the years 1804 and 1807, the following generic names would be available for use : *Acicula* (1807), *Aglaja* (1807), *Alcyonaria* (1804), *Cerebratulus* (1804), *Cystia* (1807), *Discoides* (1807), *Polycitor* (1804), *Rodens* (1807), *Scolixedion* (1804), *Tricelia* (1807), *Tuba* (1807), and *Tubulanus* (1807). The question arises, how many have found their way into the literature? Of the names that fall within Mollusca—*Aglaja*, *Cystia*, *Discoides*, and *Scolixedion*—only *Aglaja* is in use, type genus of the family AGLAJIDAE (Gastropoda, Opisthobranchiata). It was adopted by Pilsbry in 1895 on the assumption, from the testimony of Meneghini, 1847, that it had priority over the long used *Doridium* Meckel, 1809. One may note that more specific names have been proposed under *Doridium* than under *Aglaja*, but readoption of *Doridium* might cause some confusion, as the family name DORIDIIDAE Bergh, 1893, is regrettably similar to DORIDIDAE, name of another family of Opisthobranchiata (type genus, *Doris*). Rejection of *Aglaja* Renier might also have repercussions in other fields of zoology, for there is an *Aglaja* Eschscholtz, 1825 in Coelenterata and *Aglaiia* Swainson, 1827, in Aves (*fide* Sherborn). The question of conserving the name *Aglaja* is here left open for the expression of opinion by interested persons. *Discoides* is a *nomen dubium*, usually regarded as a synonym of *Pleurobranchus* Cuvier, 1804. *Cystia*, if validated, would displace *Limatula* Wood, 1839, and *Scolixedion* would displace *Serpulorbis* Sassi, 1827. In Mollusca, then, only *Aglaja* might justifiably be made a *nomen conservandum*. Regarding other Phyla, I

have thus far consulted only Dr. Olga Hartman, specialist in Annelida. She informs me that *Tricelia* is considered a synonym of *Chaetopterus* [Cuvier, 1830] and that *Cerebratulus* is in use in Nemertea. According to Bronn's *Klassen und Ordnungen des Thier-Reichs*, *Tubulanus* is also a genus of Nemertea, type of the family TUBULANIDAE. I have no information on the present status of *Acicula*, *Alcyonaria*, *Polycitor*, *Rodens*, and *Tuba*. If they are in use, specialists may wish to petition for their preservation. The generic name *Alcyonaria* Renier seems to have been overlooked by most nomenclators. It is not the *Alcyonaria* of Milne-Edwards, a subclass of Coelenterata.

9. There is in the "Tavole", 1807, a further problem of dual nomenclature for molluscan genera. A sample entry is here quoted :

Nome generico dei Molluschi	Nome generico delle conchiglie	Nome specifico di alcuni conchiglie
3. <i>Fistulanigenus</i>	<i>Fistulana</i> Lam.	<i>Ter. clava</i> Gmel.

Thus, the names in Renier's first column are compounded from the names in the second (the standard list of his day) by addition of the suffix *-genus* to denote the soft parts or the animal that resides in the shell. Perhaps these terms could be dismissed under *Opinion 72* as formulae, not true zoological names. Although they have been cited as available names by modern nomenclators, none has yet been adopted, so far as I can discover, and none would seem to serve a useful purpose. (It may be remarked that several of these refer to groups that would not now be placed in Mollusca.) The following note explains the nature of Renier's plates VII and VIII and the method used by him for numbering the terms which he employed :—

Renier's Tavole VII and VIII are really analytical charts, with descriptive text at the top and left side to group the organisms in morphologic categories. At the right were the series of columns described in my petition, listing common name, latin name, name of shell, name of animal, etc. The numerical arrangement began with an overall column followed immediately by a second which tallied all the genera in one of his selected morphologic categories. Major breaks in continuity in the second column here were caused by insertion, from time to time, of a group of "naked" mollusks among these that were "shelled". Thus, in Tav. VII, the numbers run concurrently to 5, these being soft-bodied groups, then the shelled ones begin at 1 in the second column, opposite 6 in the first. I would not need to mention this complication except that if the Commission wishes to list the names by numbers and uses only the second column, there would appear to be two number 8's, one opposite 13 of Tav. VII, the other opposite 95 of Tav. VIII. In making this transcript I have included several names to show you the system that should be omitted in the final version. These I have signalled by asterisks. It may be you will choose to use

the numbers in the first column. In this case the numeration would begin at 6 and would omit 83, 94, and 96 as well as 152—160. But if you choose to use both or to use the set that is nearest to the generic names in question, some explanation will have to be given for the breaks in sequence between 87—88 and after 142.

10. The following is a complete list of the names ending in *genus*, in the order given by Renier :—

Tav. VII—MOLLUSCHI

*1.	1.	Mammaria	40.	35.	Pectunculigenus
*2.	2.	Pyrosoma Peron	41.	36.	Nuculigenus
*3.	3.	Salpa	42.	37.	Anodontigenus
*4.	4.	Polycitor	43.	38.	Uniigenus
*5.	5.	Ascidia	44.	39.	Pandorigenus
6.	1.	Teredigenus	45.	40.	Corbuligenus
7.	2.	Pholadigenus	46.	41.	Diceratigenus
8.	3.	Fistulanigenus	47.	42.	Chamigenus
9.	4.	Saxicavigenus	48.	43.	Etheriigenus
10.	5.	Rupellarigenus	49.	44.	Hirundigenus
11.	6.	Petricoligenus	50.	45.	Malleigenus
12.	7.	Solenigenus	51.	46.	Pernigenus
13.	8.	Sanguinolarigenus	52.	47.	Crenatuligenus
14.	9.	Glycimerigenus	53.	48.	Mytiligenus
15.	10.	Myigenus	54.	49.	Modioligenus
16.	11.	Panopeigenus	55.	50.	Pinnigenus
17.	12.	Anatinigenus	56.	51.	Plancunigenus [sic]
18.	13.	Mactrigenus	57.	52.	Marginelligenus
19.	14.	Lutrarigenus	58.	53.	Limigenus
20.	15.	Crassatelligenus	59.	54.	Pedigenus
21.	16.	Ungulinigenus	60.	55.	Cystigenus
22.	17.	Tellinigenus	61.	56.	Imisigenus
23.	18.	Donacigenus	62.	57.	Pectinigenus
24.	19.	Cytherigenus	63.	58.	Spondyligenus
25.	20.	Venerigenus	64.	59.	Plicatuligenus
26.	21.	Erycinigenus	65.	60.	Gryphaeigenus
27.	22.	Capsigenus	66.	61.	Ostreigenus
28.	23.	Galateigenus	67.	62.	Vulselligenus
29.	24.	Cycladigenus	68.	63.	Anomigenus
30.	25.	Lucinigenus	69.	64.	Creniigenus
31.	26.	Venericardigenus	70.	65.	Calceoligenus
32.	27.	Cardigenus	71.	66.	Radiolithigenus
33.	28.	Isocardigenus	72.	67.	Orbiculigenus
34.	29.	Carditigenus	73.	68.	Terebratuligenus
35.	30.	Hippopigenus	74.	69.	Liguligenus
36.	31.	Tridacnigenus	75.	70.	Anatifigenus
37.	32.	Trigonigenus	76.	71.	Balanigenus
38.	33.	Cucullaeigenus	77.	72.	Tubicinelligenus
39.	34.	Archigenus	78.	73.	Coronuligenus

Tav. VIII.—MOLLUSCHI

79.	74.	Aspergilligenus	116.	107.	Cyclostomigenus
80.	75.	Siliquarigenus	117.	108.	Monodontigenus
81.	76.	Vermicularigenus	118.	109.	Delphinuligenus
82.	77.	{ Arenarigenus	119.	110.	Turbinigenus
		{ Scolixedion	120.	111.	Solarigenus
*83.	6.	Phyllidia	121.	112.	Trochigenus
84.	78.	Patelligenus	122.	113.	Cerithiigenus
85.	79.	Fissurelligenus	123.	114.	Clavatuligenus
86.	80.	Emarginuligenus	124.	115.	Pleurotomigenus
87.	81.	Crepiduligenus	125.	116.	Turbinelligenus
88.	82.	Calyptraeigenus	126.	117.	Fasciolarigenus
89.	83.	Stomatiigenus	127.	118.	Pyruligenus
90.	84.	Haliotidigenus	128.	119.	Fusigenus
91.	85.	Concolepadigenus	129.	120.	Muricigenus
92.	86.	Planospirigenus	130.	121.	Rostellariigenus
93.	87.	Chitonigenus	131.	122.	Pterocerigenus
*94.	7.	Parmacella	132.	123.	Strombigenus
95.	8.	Testacelligenus	133.	124.	Cassigenus
*96.	9.	Limax	134.	124.	Harpigenus
97.	88.	Naticigenus	135.	126.	Doliigenus
98.	89.	Neritigenus	136.	127.	Terebrigenus
99.	90.	Helicinigenus	137.	128.	Eburnigenus
100.	91.	Helicigenus	138.	129.	Buccinigenus.
101.	92.	Planorbigenus	139.	130.	Purpurigenus
102.	93.	Ampullarigenus	140.	131.	Nassigenus
103.	94.	Auriculigenus	141.	132.	Cancellarigenus
104.	95.	Pyramidelligenus	142.	133.	Marginelligenus
105.	96.	Melanigenus	143.	134.	Columbelligenus
106.	97.	Lymneigenus	144.	135.	Mitrigenus
107.	98.	Achatinigenus	145.	136.	Volutigenus
108.	99.	Phasianelligenus	146.	137.	Ancilligenus
109.	100.	Volvarigenus	147.	148.	Olivigenus
110.	101.	Bulimigenus	148.	139.	Terebelligenus
111.	102.	Amphibulimigenus	149.	140.	Ovuligenus
112.	103.	Ianthinigenus	150.	141.	Cypraeigenus
113.	104.	Turritelligenus	151.	142.	Conigenus
114.	105.	Pupigenus	161.	18.	Sigaretigenus
115.	106.	Scalarigenus	162.	19.	Bulligenus

11. I concur with Dr. Cox in the belief that these papers of Renier's are "fragments of a work contemplated but never published". The lack of an over-all title page, the preservation of only a single known copy of the works, at the library of the University of Padua, the lack of agreement among bibliographers as to exact titles and dates, and the omission of Renier's generic names from nomenclators such as Agassiz (1842—46) and Herrmannsen (1846—49) [the name *Aglaia*

is listed in the supplement to the latter (1852) as, "Renier (?1804)"], all suggest that prior to 1847 Renier's works above discussed existed only as proof-sheets or as charts set up in type for class-room use.

12. The International Commission on Zoological Nomenclature is now asked to take the following action supplementary to the action in regard to the *Tavola alfabetica delle Conchiglie Adriatiche* and the *Prospetto della Classe dei Vermi* prepared by Renier (S.A.) and commonly attributed to the year "1804" recommended in the application already submitted by Dr. L. R. Cox, namely that it should :—

- (1) rule that the work by Renier (S.A.) entitled *Tavole per servire alla classificazione e connescenza degli Animali* and commonly attributed to the year "1807" was not published within the meaning of Article 25 of the *Règles* and therefore that no name acquired the status of availability by reason of appearing in the foregoing work ;
- (2) place the work specified in (1) above on the *Official Index of Rejected and Invalid Works in Zoological Nomenclature* ;
- (3) provide an opportunity to specialists to submit applications for the validation, under the Plenary Powers, of any of the under-mentioned generic names which may be shown to be in current use⁶ ;
 - (a) Names which first appeared in the *Prospetto* of 1804 :
 - (i) *Discoides* Renier
 - (ii) *Cerebratulus* Renier ;
 - (iii) *Polycitor* Renier ;
 - (iv) *Scolixedion* Renier ;
 - (b) Names which first appeared in the *Tavole* of 1807 :
 - (i) *Aglaja* Renier ;
 - (ii) *Alcyonaria* Renier ;
 - (iii) *Cystia* Renier ;
 - (iv) *Rodens* Renier ;
 - (v) *Tricelia* Renier ;
 - (vi) *Tuba* Renier ;
 - (vii) *Tubulanus* Renier ;
- (4) place on the *Official Index of Rejected and Invalid Generic Names in Zoology* :
 - (a) any of the names enumerated in (3) above which are not validated under the Plenary Powers in response to the appeal there suggested ;

⁶ Decisions on all the names here enumerated with the exception of the generic names *Cerebratulus*, *Polycitor*, *Aglaja* and *Tubulanus* and of a specific name (*variopedata*) associated with the generic name *Tricelia* have since been taken by the International Commission. The decision so taken has been embodied in *Opinion* 436 (shortly to be published in Volume 15 of the present Series).

- (b) the generic names having the termination “-genus” listed in paragraph 10 of the present application (unless this is considered impracticable, in which case a Ruling that these words are formulae and not zoological names is asked for) ;
- (5) place on the *Official Index of Rejected and Invalid Specific Names in Zoology* the specific names enumerated in paragraphs 5, 6 and 7 of the present application as names newly-proposed by Renier in the works there specified.

2. Supplementary application submitted by Dr. L. R. Cox (British Museum (Natural History), London) : On 27th August 1953, Dr. L. R. Cox (*British Museum (Natural History) London*), who was unaware of the fact that Dr. Myra Keen had submitted a request to the Commission for the rejection for nomenclatorial purposes of Renier's *Tavole serv. Class. Conn. Anim.*, himself submitted the following application⁷ in the same sense by way of a supplement to the application which he had previously submitted for the rejection of the *Prospetto* and the *Tavola alfabetica* of the same author :—

**Supplementary Application concerning the Suppression of
Works by S. A. Renier (1804 and 1807)**

By L. R. COX, M.A., Sc.D., F.R.S.
(*British Museum (Natural History), London*)

An application for a Ruling that the *Prodromo* and *Prospetto della Classe dei Vermi* of S. A. Renier (1804) should not rank as publications within the meaning of Article 25 has been submitted by the present applicant (1951, *Bull. zool. Nomencl.* **2** : 299).

2. It was made clear that the application relating to the *Prodromo* covered the section entitled *Tavola alfabetica delle Conchiglie Adriatiche*. It is now proposed to extend the application to the same author's work said to have been entitled *Tavole per servire alla classificazione e conoscenza degle animali* and to have been published in 1807. (The title page is wanting in the only extant copy.)

⁷ The decision taken by the Commission on Dr. Cox's earlier application, by which the Commission rejected both the *Prospetto* and the *Tavola alfabetica*, was embodied in April 1954 in *Opinion* 316 which was published on 17th December of the same year (*Ops. Decls. int. Comm. zool. Nomencl.* **9** : 91—106).

3. The statements made in the previous application concerning the doubtful status of Renier's works as publications apply also to this last work. It is known only by a single printed copy in the library of the University of Padua and by two reduced photographic reproductions made for C. D. Sherborn. One reproduction is in the British Museum (Natural History), while the second has recently been acquired by the library of Stanford University, California. It is most improbable that this work was ever generally distributed. It consists of eight tables containing the outlines of schemes of classification, and in them a number of new generic and specific names are introduced.

4. The nomenclatorial problems raised by the 1807 work have been discussed by Dr. A. Myra Keen (1951, *Nautilus*, 65 : 8) in so far as they affect the mollusca. Renier introduced a scheme in which the soft parts received a distinct generic name ending in "-genus", derived from that of the shell (e.g. *Teredigenus*, derived from *Teredo*). Miss Keen states that "I do not agree that these names ending in -genus are either validly proposed or valid emendations" and her final conclusion is that "Renier's contributions to molluscan taxonomy can be reduced to four generic names, only one of which, *Aglaja* is in current use. Two, *Scolixedion* and *Cystia*, will displace familiar names unless suppressed by action of the International Commission or unless it can be shown that the type species are *species dubia*. The fourth, *Discoides*, remains for specialists in Opisthobranchiata to evaluate".

5. The generic name *Aglaja* Renier, which appeared both in his "Prospetto . . . Vermi" (1804) and his "Tavole . . . animali" (1807 ?) has latterly been used for the genus formerly known generally as *Doridium* Meckel, 1809, type genus of a family DORIDIIDAE. A reversion to this name *Doridium* would not create confusion, for it is used for the genus in such standard works as P. Fischer's "Manuel de Conchyliologie" (1880—1887) and A. H. Cooke's "Molluscs" (*Cambridge Natural History*, 1895).

II. THE SUBSEQUENT HISTORY OF THE CASE

3. Registration of the present applications : Upon the receipt of Dr. Myra Keen's application the question of the possible rejection of Renier's *Tavole per servire alle classificazione e conoscenza degli Animali* was allotted the Registered Number

Z.N.(S.) 688. The same Registered Number was allotted to Dr. L. R. Cox's supplementary application when it was received.

4. Publication of the present applications : The applications submitted by Dr. Myra Keen and Dr. L. R. Cox respectively were sent to the printer on 13th May 1954 and were published in Part 9 of volume 9 of the *Bulletin of Zoological Nomenclature* on 22nd October of the same year (Keen, 1954, *Bull. zool. Nomencl.* 9 : 257—262 ; Cox, 1954, *ibid.* 9 : 265).

5. Action taken to bring to the attention of specialists the suggestion by Dr. Myra Keen that consideration should be given to the validation of four generic names used in Renier's "Prospetto" and of seven such names used in that author's "Tavole serv. Class. Conn. Anim." : Prior to the publication of Dr. Keen's application for the rejection for nomenclatorial purposes of Renier's *Tavole serv. Class. Conn. Anim.*, consideration was given by the Secretary to the Commission to the question of the measures to be taken to bring Dr. Keen's suggestions to the attention of interested specialists. Mr. Hemming decided that the best course would be to adopt a twofold approach under which (1) short notices relating to the foregoing proposals prepared by himself would be published in the *Bulletin of Zoological Nomenclature* concurrently with the publication of Dr. Keen's application and (2) Public Notice would be given at the same time of the possible use by the Commission of its Plenary Powers for the validation of some or all of the eleven generic names concerned, together with the specific names associated by Renier with those generic names. The notes so prepared by Mr. Hemming on the four *Prospetto* names (*Discoides* ; *Cerebratulus* ; *Polycitor* ; *Scolixedion*) and on the seven *Tavole* names (*Aglaja* ; *Alcyonaria* ; *Cystia* ; *Rodens* ; *Tricelia* ; *Tuba* ; *Rubulanus*) were accordingly published in Part 9 of Volume 9 of the *Bulletin* on 22nd October 1954 (*Bull. zool. Nomencl.* 9 : 263 and 264 respectively). At the same time Public Notice of the possible use by the International Commission of its Plenary Powers for the purpose of validating some or all of the foregoing names was given under the procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56) on 22nd October 1954 (a) in Part 9 of

Volume 9 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Keen's application and Mr. Hemming's supplementary notes were published) and (b) to the other prescribed serial publications. At the same time such Notice was given also to a number of general zoological serial publications. Particulars of the procedure later adopted for dealing with this portion of Dr. Keen's application are given in paragraph 11 of the present *Opinion*.

6. No objection received to the proposals submitted by Dr. Myra Keen and Dr. L. R. Cox respectively : The publication of the applications by Dr. Myra Keen and Dr. L. R. Cox respectively for the rejection for nomenclatorial purposes of Renier's *Tavole serv. Class. Conn. Anim.* elicited no objection to the action proposed from any source.

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

7. Issue of Voting Paper V.P.(55)2 : On 19th May 1955, a Voting Paper (V.P.(55)2) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to certain works by Renier (S.A.), as of 1804 and 1807, as set out in Points (1), (2), (4)(b) and (5) in paragraph 12 on page 262 of vol. 9 of the *Bulletin of Zoological Nomenclature*" [i.e. in the Points so numbered in the application by Dr. Myra Keen reproduced in the first paragraph of the present *Opinion*].

8. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 19th August 1955.

9. Particulars of the Voting on Voting Paper V.P.(55)2 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)2 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 ; Hering ; Vokes ; Mayr ;
Lemche ; do Amaral ; Prantl ; Bradley (J.C.) ; Stoll ;
Jaczewski ; Dymond ; Esaki ; Kühnelt ; Tortonese ;
Hankó ; Cabrera ; Sylvester-Bradley ; Riley ; Key ;
Bonnet ; Hemming ; Mertens ; Miller ; Boschma ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

10. Declaration of Result of Vote : On 17th October 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (55)2, 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. Clarification of certain matters arising on Dr. Myra Keen's application and decision on procedure to be adopted for dealing with the names specified in paragraph 12(3) of that application : On 14th April 1956 Mr. Hemming as Secretary executed the following Minute (a) clarifying the proposals submitted by Dr. Myra Keen in paragraphs 5, 6 and 7 of her application and (b) laying down the procedure to be adopted for the further consideration of the eleven generic names, of which four originated in Renier's *Prospetto Class. Verm.* and seven in that author's *Tavole serv.*

Class. Conn. Anim. specified in paragraph 12(3) of the foregoing application :—

Clarification of the proposals for the addition of names to the “ Official Indexes of Rejected and Invalid Names in Zoology ” submitted in paragraphs 5, 6 and 7 in Dr. Myra Keen’s Application Z.N.(S.) 688 relating to certain fragmentary works by S. A. Renier, and of other matters arising on that application

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

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

In her application Z.N.(S.) 688 relating to the fragmentary works by S. A. Renier, Dr. Myra Keen enumerated in paragraphs 5, 6 and 8 certain names which first appeared in these works and in the concluding paragraph of her application recommended that such of these names as the Commission might decide not to validate under its Plenary Powers or to reserve for possible validation under those Powers should be placed on the *Official Indexes of Rejected and Invalid Names in Zoology*. When later I had occasion to ask Dr. Keen to furnish me for the foregoing purpose with the page or *Tavola* number to be cited for these names, I took the opportunity to check the list of names to be placed on the *Official Indexes*. The list so established with the appropriate bibliographical references is as follows :—

- (1) *New Names included in Renier’s “ Tavola alfab. Conch. adriat. ”, commonly attributed to the year “ 1804 ” :*

<i>Name</i>	<i>Page Reference</i>
<i>Solen candidus</i> Renier	: V
<i>Tellina serrata</i> Renier	: VI
<i>Helix incurva</i> Renier	: XI

- (2) *New Names included in Renier’s “ Prospetto Class. Verm. ”, commonly attributed to the year “ 1804 ” :*

<i>Aglaia</i> [sic] Renier	: XVI
<i>Rodens</i> Renier	: XVIII
<i>Tricoelia</i> [sic] Renier	: XVIII
<i>Tubulanus</i> Renier	: XX

- (3) *New Names included in Renier’s “ Tavole per servire alle classificazione e conoscenza degli Animali ”, commonly attributed to the year “ 1807 ” :*

<i>Acicula</i> Renier	: Tav. VI
<i>Acicula macula</i> Renier	: Tav. VI
<i>Arenaria</i> Renier	: Tav. VIII
<i>Imisia</i> Renier	: Tav. VII
<i>Marginella</i> Renier	: Tav. VII

2. The generic name *Acicula* Renier, [1807], was placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Commission by the Ruling given in its *Opinion* 344 (the *Opinion* embodying the Commission's decision on the *Acme*/*Acmea*/*Acmaea*/*Acicula* complex of names) but none of the other generic names of Renier's listed in the preceding paragraph had been dealt with by the Commission prior to the receipt of Dr. Myra Keen's application. Accordingly, under the vote taken by the Commission on Voting Paper V.P.(55)2 the names listed in the foregoing paragraph, other than the generic name *Acicula* Renier, [1807], are now to be placed on the appropriate *Official Index of Rejected and Invalid Names in Zoology*.

3. Under the vote taken by the Commission on the Voting Paper referred to above, decisions have been taken on all the matters raised in the applications submitted by Dr. Myra Keen and by Dr. L. R. Cox respectively, except as regards the under-mentioned names specified in paragraph 12(3) of Dr. Keen's application, where it was proposed that an opportunity should first be given to specialists to indicate whether they considered that some or all of the names in question should be validated by the Commission under its Plenary Powers : (1) Names as used by Renier in his *Prospetto Class. Verm.* as of 1804 : (a) *Discoides* ; (b) *Cerebratulus* ; (c) *Polycitor* ; (d) *Scolixedion* ; (2) Names as used by Renier in his *Tavole serv. Class. Conn. Anim.* as of 1807 : (a) *Aglaja* ; (b) *Alcyonaria* ; (c) *Cystia* ; (d) *Rodens* ; (e) *Tricelia* ; (f) *Tuba* ; (g) *Tubulanus*. In order that the Ruling to be given in the *Opinion* embodying the Commission's decision in the present case may comply with the General Directive issued by the Thirteenth International Congress of Zoology, Paris, 1948, that in every case the Ruling to be given by the Commission shall cover all parts of the application submitted, I, as Secretary, hereby direct that there be added to the Ruling to be given in the present case a provision prescribing that the future status to be accorded to the eleven generic names specified above be reserved for further consideration. In order to facilitate the consideration of the disposal of the foregoing names, I further direct that the documents relating thereto, of which those relating to names used in the *Prospetto* are at present filed under the Registered Number Z.N.(S.) 832 and those relating to names used in the *Tavole* under the Registered Number Z.N.(S.) 897, be re-registered under the Number Z.N.(S.) 1091 and that the outstanding enquiries in regard to these names be completed as quickly as possible with a view to the submission to the Commission of proposals for the final disposal of these names.

4. It has been known for some time—see Cox, 1954, *Bull. zool. Nomencl.* 9 : 265—that the unique copy of Renier's *Tavole* of 1807 in the library of the University of Padua, of which a photographic copy has been deposited in the library of the British Museum (Natural History), London, lacks the title page. I have now been informed by

Dr. L. R. Cox that the title [*Tavole per servire alle classificazione e connescenza degli Animali*] customarily applied to this work is derived only from Engelmann's *Bibl. Hist. nat.* (: 339) and that there is no evidence to show that a title page was ever published. In these circumstances the "Tavole" must be regarded as having been published without a title page. As some title must be assigned to this work for the purposes of citation and for recording in the *Official Indexes* the names which first appeared in it, the title given by Engelman must be used, this title having the merit of long usage. In all references given in the *Official Indexes* for names first used in this work it will, however, be necessary to enclose the title within square brackets to signify that it is a reconstructed title and that there is no evidence to show that it was ever printed as the title of this work.

12. Preparation of the Ruling given in the present "Opinion" :

On 15th April 1956, Mr. Hemming prepared the Ruling given in the present *Opinion* 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)2, subject to the clarifications specified in the Minute executed by the Secretary earlier on the same day. The text of the Minute here referred to has been given in paragraph 11 above.

13. Original References : The original references for the generic names having the termination "-genus" placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Ruling given in the present *Opinion* are as set out in paragraph 10 of the application submitted by Dr. Myra Keen which has been reproduced in the first paragraph of the present *Opinion*. The original references for all the other names placed on *Official Indexes* by the foregoing Ruling are as given in the Minute executed by the Secretary on 14th April 1956, the text of which has been reproduced in paragraph 11 of the present *Opinion*. Wherever it is necessary to refer to the title "*Tavole per servire alle classificazione e connescenza degli Animali*" as the title for the fragment of Renier's work commonly treated as being of 1807, that title is, for the reasons given in paragraph 4 of the Minute by the Secretary referred to above, to be cited in square brackets.

14. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in

dealing with the present case, and the present *Opinion* 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 *Opinion* shall be known as *Opinion* Four Hundred and Twenty-Seven (427) of the International Commission on Zoological Nomenclature.

DONE in London, this Sixteenth day of April, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING



International Commission on Zoological Nomenclature. 1956. "Opinion 427 Rejection for nomenclatorial purposes of the work by Renier (S. A.) known as Tavole Per Servire Alle Classifi Cazione E Connescenza Degli Animali and commonly attributed to the year 1807 and addition to the Official Indexes of Rejected and invalid names in Zoology of certain names first used in the foregoing work or in two Earlier works by the same author commonly known as the Tavola Alfabetica and the Prospetto respectively and both commonly attributed to the year 1804." *Opinions and declarations rendered by the International Commission on Zoological Nomenclature* 14, 281–310.

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