

DR. MARIA ISABEL HYLTON SCOTT (1889-1990). A BRIEF BIOGRAPHY
AND BIBLIOGRAPHY¹

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Dr. María Isabel Hylton Scott, a well known Argentinean specialist in terrestrial gastropods, passed away in the city of La Plata on September 1, 1990, at the respectable age of 101.



María Isabel Hylton Scott-Birabén.

Born in Córdoba, Argentina, Dr. Hylton Scott graduated as a teacher in her natal city and then continued her studies at the Universidad Nacional de La Plata under the guidance of Dr. Miguel Fernández and his wife, Dr. Katy Marcinowsky-Fernández. The latter are known mainly for their contribution to embryology, in particular to the morphogenesis of ascidians, polyembryony in armadillos, and the mesodermic origin of the vascular system in vertebrates. The influence of these two advisers is evident in the first scientific works of Dr. Hylton Scott. Her doctoral thesis dealt with the embryology of the viviparous freshwater fish, *Fitzroyia lineata* (now under *Jenynsia*, Characiformes: Jenynsiidae).

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During the course of her university studies, Dr. Hylton Scott met Max Birabén, who not only became her husband and loving friend throughout life, but also provided steadfast encouragement in her work. They both received the diploma of Doctor en Ciencias Naturales in 1917, the first two to be issued by the Museo de La Plata in the Zoology branch. Dr. Hylton Scott was thus the first woman in Argentina (and also perhaps in the whole of South America) to obtain a Doctorate in Zoology.

She spent almost her entire career as a university professor at La Plata, teaching Invertebrate Zoology and Comparative Anatomy. Her university activity was interrupted for approximately a decade due to the political situation in Argentina, which had repercussions in the universities throughout the country. She returned to the chair in 1955, after the civil-military "Liberating Revolution."

Dr. Hylton Scott's interest in mollusks began with her embryological and anatomical studies on the largest non-marine snails from Argentina (*Pomacea canaliculata* and *Strophocheilus lorentzianus*); her taxonomic work commenced as a result of a trip to Jujuy, in the northern frontier of Argentina (1947). Thus at the mature age of 58 she embarked upon the malacological line of research, which she was to continue up to the publication of her last paper in 1985, by which time she was 96 years old.

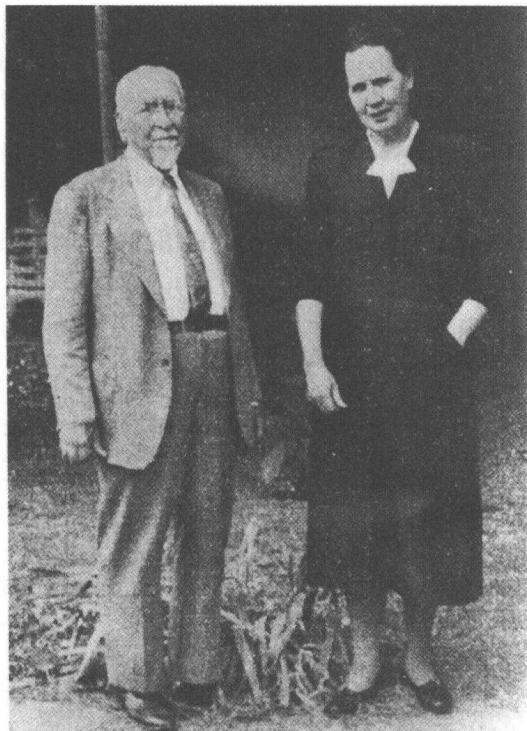
Between 1954 and 1977, together with her husband, she edited the journal *Neotropica*, a general journal on zoology, which even today is indexed in *Malacological Review*, mainly due to the many papers of hers appearing there, together with those of her disciples and relatives.

Her papers, published mostly in La Plata and all in Spanish, with the exception of one (in French), gained early recognition by the international community of malacologists. The monograph on Argentinean Ampullariidae (1957) is widely cited, as are her papers on Endodontidae and Bulimulidae. Henry A. Pilsbry visited her house in La Plata during his trip to Argentina in 1949-1950, and was full of praise for her work and collections (Parodiz, 1951).

Dr. Hylton Scott resigned from her post in La Plata in 1965 to accompany her husband to Buenos Aires, where he had been designated Director of the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia." Only in 1974, when Dr. Max Birabén became gravely ill, did the couple retire from official activity. However, Dr. Hylton Scott never abandoned her research career and went on to publish nine papers between 1975 and 1984.

Dr. Birabén died in 1977. During his last years his wife attended him with the devotion and utter dedication that grew out of their sixty years of common enterprise and harmonious life together.

On the occasion of the Centenary of the Museo de La Plata (1977), Dr. Hylton Scott was conferred a special award and in the same year she was named an Honorary Member of the Asociación Argentina de Ciencias Naturales. But what award could be greater than the honor of winning a



María Isabel Hylton Scott-Birabén with Henry A. Pilsbry, La Plata, Argentina, 1950.

lasting place in the esteem of her colleagues, who even now find themselves referring back to her pioneering work on terrestrial mollusks in southern South America. Juan José Parodiz, at the Carnegie Museum, published a catalogue of the land mollusks of Argentina (1957) in which the importance of Hylton Scott's work is clearly manifested. An update of the catalogue by Fernández in 1973 demonstrates that she continued to be the main specialist on terrestrial gastropods in Argentina. Right until shortly before her death her advice was still sought (Breure, 1978; Fernández & Rumi, 1983; Quintana, 1983; Miguel, 1987), and she was posthumously designated Honorary President of the 1st Latin American Congress on Malacology (Caracas, July 1991).

When she reached the age of 100, Dr. Hylton Scott decided to do a further service to science and donate her very important personal collection of mollusks to the Museo de La Plata.

With this public eulogy I should like to commemorate the life and work of a truly remarkable woman who added to her merits by adhering to the age-old virtue of never claudicating (Cazzaniga, 1989, 1990, 1991). In a personal

letter to me, her son Dr. Max Birabén-Scott has upheld this appraisal of the character and integrity of his mother, who until the last continued as head of the family, earning love and respect for her remarkable intellectual brilliance.

In homage to the first woman zoologist in Argentina, here follows an annotated list of her published works, which I commend kindly to her memory.

LIST OF PUBLICATIONS BY MARIA ISABEL HYLTON SCOTT-BIRABÉN

1. – HYLTON SCOTT, M.I. 1918. Sobre el desarrollo intraovarial de *Jenynsia lineata* (Nota preliminar). *Anales de la Sociedad Científica Argentina*, 86: 349-354, two text-drawings. Buenos Aires.

Description of the embryonic development of this viviparous freshwater fish, with histological sections of the ovarian sac and the embryo. She discovered a peculiar relationship among the embryos and their mother: foldings of the uterine epithelium enter the branchial cavities of the foetuses, thus allowing for a more efficient oxygenation.

2. – SCOTT BIRABÉN, M.I.H. & MARCINOWSKY FERNANDEZ, K. 1921. Variaciones locales de caracteres específicos de larvas de anfibios. *Anales de la Sociedad Científica Argentina*, 92: 129-142, 13 drawings, one table. Buenos Aires.

Description of the buccal morphology of tadpoles of some Argentinean amphibians (genera *Bufo* and *Ceratophrys*). Analysis of the variability of the series of papillae and little buccal rods that were considered diagnostic features for the specific recognition. The variations are interpreted as being locally induced by ecological factors

3. – HYLTON SCOTT, M.I. 1927. Sobre gemelos uniovulares de *Fitzroyia lineata*. *Physis*, 8(31): 568-572, two schematic drawings. Buenos Aires.

Description of the embryonic blood circulation in this freshwater viviparous fish, and the modifications produced in a rare case in which two embryos were developed within the same ovule.

4. – HYLTON SCOTT, M.I. 1928. Sobre el desarrollo intraovarial de *Fitzroyia lineata* (Jen.) Berg. *Anales del Museo Nacional de Historia Natural*, 34: 361-424, 15 text drawings, a seven-page table and 13 plates with 21 photographs and drawings. Buenos Aires.

This constitutes the main part of Dr. Hylton Scott's Doctoral Dissertation on the reproductive biology of this viviparous fish. Describes the external and internal morphology of the female genital system, its histology, the egg and its envelopes, the location of the eggs within the ovary and its foldings, the fecundation process, segmentation, the degenerative process of a part of the eggs, the development of the embryo, and its nutrition and respiration.

5. – HYLTON SCOTT, M.I. 1934. Sobre el desarrollo embrionario de *Ampullaria canaliculata*. *Revista del Museo de La Plata*, 34: 373-385, 28 schematic drawings in six plates. La Plata.

This is the first embryological study on mollusks made in Argentina. Describes in detail the segmentation up to the 32-blastomere stage, and the morphology of the embryo during organogenesis until it becomes a fully developed embryo.

Most of this paper was reprinted as a part of [31], listed below.

6. – BIRABÉN, M. & HYLTON SCOTT, M.I. 1937. Departamento de Zoología (Invertebrados). Informe del Jefe del Departamento y Profesor Suplente: Viaje alrededor de Santa Cruz. *Revista del Museo de La Plata, Sección Oficial*, 1936: 93-164. La Plata. Reprinted in *Argentina Austral*, 209 (November 1948), 211 (January 1949), 225 (March 1950) and 232-233 (December 1950), Buenos Aires.

Report on a long trip through the coastal and the desert steppe zones of the Province of Santa Cruz (Southern Patagonia, Argentina). Includes some biological information on different animals and descriptions of environments and landscapes. An ample comment on this trip was published by Cazzaniga (1989).

7. – BIRABÉN, M. & HYLTON SCOTT, M.I. 1939. Observaciones sobre el pingüino *Spheniscus magellanicus* (J.R. Foster). *Physis*, 16(48): 245-251. Buenos Aires.

Description of the physical characteristics of a nesting site of the Magellan penguin near Puerto Deseado (Santa Cruz Province), the nesting behavior, and diverse reactions of the penguins. The authors include a comment on a frustrated attempt to industrialize penguins in 1935, and a call for regulation of this activity in the future.

8. – HYLTON SCOTT, M.I. 1939. Estudio anatómico del borus *Strophocheilus lorentzianus* (Doer.) (Mol. Pulm.). *Revista del Museo de La Plata (nueva serie)*, Zoología, 1: 217- 278, three photographs and 25 text drawings. La Plata.

Description of the external morphology, shell, and anatomy of the different parts of the digestive, muscular, genital and circulatory systems. The nervous ganglia and the statocyst, suprapedial gland and pallial organs are also studied. Almost all the described organs are illustrated.

9. – HYLTON SCOTT, M.I. 1939. Un “test” de *Arbacia dufresnii* tetrarradiado. *Notas del Museo de La Plata, Zoología*, 4(16): 1-5, three photographs in one plate, and one text drawing. La Plata.

Description of a teratological specimen of this common Argentinean sea urchin (Echinoidea), giving some hypotheses on its possible internal

anatomy, since the specimen was found empty.

10. – HYLTON SCOTT, M.I. 1943. Sobre la organización de *Ampullaria (Asolene) megastoma* Sowerby. *Notas del Museo de La Plata, Zoología*, 8 (70): 269-280, six text drawings. La Plata.

A study of the first specimens of this species found in Argentina. Describes the basic anatomy: mandibles, radula, male and female genital systems and nervous system. A drawing shows, without description, the position of the pallial organs.

11. – HYLTON SCOTT, M.I. 1945. Fáunula malacológica de Tilcara. *Revista del Museo de La Plata (nueva serie), Zoología*, 4: 195-211, six photographs in one plate and six anatomical drawings in the text. La Plata.

Description of the malacological material collected during a trip to Jujuy (northern Argentina) made in February 1944. Describes *Succinea aurea* sp.n.: shell, general features of the soft parts, radula, mandible and genital organs. Cites *Gastrocopta nodosaria* (d'Orb.), with a correction to the original description and a radular study. Cites *Pupoidea paredesi* (d'Orb.), describing the shell, mandible, radula and with a short mention of the genital system and retractor muscles. Describes *Agriolimax laevis* (Müller): general features, internal shell, mandible and radula. Redescribes *Bulimus stelzneri hector* Holmberg, giving it a new subspecific status based on its anatomy: shell, mandible, radula, pallial and genital organs. Redescribes *B. jujuyensis* Holmberg: shell, mandible, radula, genital and pallial organs, and retractor muscles. Citation of *Scolodonta semperi* (Doering): shell, general features of the soft parts and radula.

12. – HYLTON SCOTT, M.I. 1946. Hallazgo del género *Vertigo* en la Argentina (Mol. Pulm.). *Notas del Museo de La Plata, Paleontología*, 11(94): 359-361, one text figure. La Plata.

Description of *Vertigo frenguelli* sp.n., on fossil shells from the Platense stratum in Córdoba. This genus is cited for the first time in the Southern Hemisphere.

13. – HYLTON SCOTT, M.I. 1946. Primera noticia sobre la presencia del género *Obeliscus* en la Argentina (Mol. Pulm.). *Notas del Museo de La Plata, Zoología*, 11 (97): 363-370, five text figures and four photographs in one plate. La Plata.

Description of *Obeliscus (Rectobelus) birabeni* sp.n., from Jujuy: young and adult shells, features of the soft parts, pallial and genital organs, mandible and radula.

14. – HYLTON SCOTT, M.I. 1948. Moluscos del biotopo de Cerro Colorado (Salta). *Acta Zoologica Lilloana*, 6: 229-239, four text drawings, and two plates with 15 photographs. San Miguel de Tucumán.

Redescription of *Cyclodontina (Spixia) pyriformis* (Pilsbry): shell, foot, mantle, mandible, radula, pallial and genital organs. Describes, on the basis of shells alone, *Cyclodontina (Spixia) dubia* sp.n., *C. (Plagiodontes) multiplicatus crassus* ssp.n. (incorrect specific and subspecific spellings due to the lack of gender concordance), *Bulimulus sporadicus gracilis* ssp.n. and *Neopetraeus stelzneri apertus* ssp.n.

15. – HYLTON SCOTT, M.I. 1948. Moluscos del noroeste argentino. *Acta Zoologica Lilloana*, 6: 241-274, 33 drawings in the text and 14 photographs in one plate. San Miguel de Tucumán.

A study of the malacological collection of the Instituto Miguel Lillo (Tucumán, Argentina). Describes *Pomacea canaliculata chaquensis* ssp.n., from the "chaco" in Salta and Formosa province. Citation of *Adelopoma tucma* Doering and *Succinea aurea* Hylton Scott. Description of *Gastropota crucifera* sp.n., from La Rioja province: shell; *G. pulvinata* sp. n., from Salta: shell, general features of the soft parts and radula. Citation of *Zonitoides (Zonitelus) arboreus* (Say) and *Vallonia pulchella* (Müller). A more detailed study of the Endodontidae, describing *Stephanoda jujuyensis* sp.n.: shell, foot, mandible and radula, and *Radiodiscus katiae* sp.n.: one shell (type), both species coming from Jujuy. Citation of *Cecilioides consobrina* (d'Orbigny): shell; *Leptinaria bacterinoides* (d'Orbigny): shell and radula; *Happia skiaphila* (d'Orbigny): taxonomic discussion, general description of the soft parts, radula, pallial complex, retractor muscles and genital organs. Description of *Drepanostomella circumscripta* sp.n., from Salta: shell, general features of the soft parts and radula; *D. tucma* sp.n., from Tucumán: shell; *Guppya lilloana* sp.n., from Jujuy: shell, foot, mandible and radula; *G. aenea* sp.n., from Jujuy: shell, animal, mandible and radula, and *Peronaeus (Lissoacme) birabeni* sp.n., from Salta: shell. Citation of *P. (L.) torallyi* (d'Orbigny): shell.

16. – HYLTON SCOTT, M.I. 1951. Nuevos moluscos terrestres del Norte argentino. *Acta Zoologica Lilloana*, 10: 5-29, 10 photographs in two plates and seven text figures. San Miguel de Tucumán.

Description of *Pilsbrylia* gen.n. and its type species, *P. paradoxa* sp.n., from Jujuy: shell, mandible, radula and genital organs. Description of *Cyclodontina (Spixia) pyrgula* sp.n., from Córdoba: shell, animal, mandible, radula and genital organs; *C. (S.) cela* sp.n., from Córdoba: shell; *C. (Spixinella) parodizi* sp.n., from Córdoba: shell, mandible, radula, and pallial and genital organs; *Plagiodontes daedaleus costatus* ssp.n., from Córdoba: shell; *P. multiplicatus parvus* ssp.n. from Santiago del Estero: shell; *P. patagonicus magnus* ssp.n., from Sierra de la Ventana (Province of Buenos Aires): shell, animal, mandible, radula, and pallial and genital organs; *Bulimulus elatior* sp.n., from Formosa: shell; *B. apodemetes dispar* ssp.n. from Salta: shell; *Protoglyptus ramosae* sp.n., from Salta: shell. Citation of *Drymaeus abyssorum* (d'Orbigny), *Gonyostomus turnix albolabiatus* Jaeckel: mandible, radula, pallial and genital organs; *Vertigo frenguelli* Hylton Scott: cited as an extant species, since known only as a fossil. She

also gives the new name *Succinea aurita* to *S. aurea* Hylton Scott 1945 (*non S. aurea* Lea 1841).

17. – HYLTON SCOTT, M.I. 1951. Nuevas *Epiphragmophora* (Gastr. Pulm.) del noroeste argentino. *Physis*, 20(58): 252-258, three drawings, four photographs. Buenos Aires.

Description of *Epiphragmophora puella* sp.n. from Catamarca: shell, mandible, radula, general anatomy, pallial complex, genital system; *E. semi-clausa* sp.n. from Catamarca: shell, and *E. proseni* sp.n. from Jujuy: shell.

18. – HYLTON SCOTT, M.I. 1951. *Kuschelenia*. Nuevo género de Bulimulidae (Moll. Pulmonata). *Acta Zoologica Lilloana*, 12: 539-543, four text figures. San Miguel de Tucumán.

Description of the new genus and its type species, *Kuschelenia simulans* sp.n., from Bolivia: shell, foot, mantle, pallial organs, radula, mandible and genital organs.

19. – HYLTON SCOTT, M.I. 1954. Sobre Limnaeidae [sic] argentinas (Mol. Pulm.). *Physis*, 20(59): 401-408, six text drawings. Buenos Aires.

Citation of *Pseudosuccinea columella* (Say) for the first time from Argentina: shell, mandible, radula and genital organs. Description of *Limnaea* [sic] *plicata* sp.n., from Chubut: shell, radula and genital organs.

20. – HYLTON SCOTT, M.I. 1954. Una nueva especie de *Bostryx* (Bulimulidae) (Mol. Pulm.). *Physis*, 20 (59): 409-413, seven text drawings. Buenos Aires.

Citation of *Bostryx (Platybostryx) cuyana* Strobel: shell, maxilla, radula and genitalia. Description of *Bostryx (Platybostryx) doelloi* sp.n., from Mendoza: shell, animal, maxilla, radula and genitalia.

21. – HYLTON SCOTT, M.I. 1954. El género *Hemisinus* (Melaniidae) en la costa fluvial argentina (Mol. Prosobr.). *Physis*, 20 (59): 438-443, one text drawing and three photographs. Buenos Aires.

First record of this family in Argentina. Description of *Hemisinus guaraniticus* sp.n. from Misiones: shell, general anatomical information and radula.

22. – HYLTON SCOTT, M.I. 1954. Notas sobre la morfología de *Gundlachia* Pfr. (Aculyidae) (Mol. Pulm.). *Physis*, 20(59): 467-473, 12 text drawings. Buenos Aires.

States the priority of *Gundlachia* Pfeiffer over *Hebetancylus* Pilsbry, and describes the closed form of the shell of *G. moricandi* (d'Orbigny). Gives an anatomical explanation of the process of formation of the ventral septum of the shell and describes the general morphology of the animal without shell, radula and penis.

23. – HYLTON SCOTT, M.I. 1954. Un caso de anomalía de forma en *Tropycorbis peregrinus*. *Physis*, 20(59): 498-499, two text figures. Buenos Aires.
Description of a shell whose last whorls go down with respect to the twisting plane, giving an unusual form to the specimen.
24. – HYLTON SCOTT, M.I. 1954. Hallazgo del género *Nenia* (Fam. Clausiliidae) en la Argentina. *Physis*, 20 (59): 502. Buenos Aires.
Abstract of [25].
25. – HYLTON SCOTT, M.S. 1954. El primer clausílido de la Argentina (Mol. PuIm.). *Neotropica*, 1(1): 1-4, seven figures. La Plata.
Description of *Nenia argentina* sp.n., from Jujuy: shell, mandible, radula, clausilium and genital apparatus.
26. – HYLTON SCOTT, M.I. 1954. Dos nuevos melánidos del Alto Paraná. *Neotropica*, 1(3): 45-48, six text photographs. La Plata.
Begins with a commentary on the paper by Morrison (1954) where the "melanias" have been rearranged. She acknowledges that the Argentinean species belong to the family Thiaridae and to the genus *Aylacostoma* Spix 1827, and transfers to this one the species described in [21], as *A. guaranitica*. Description of *A. chlorotica* sp.n. and *A. stigmatica* sp.n., both from Paraguay. The three names are incorrect spellings: she considers the genus name as feminine, but the ending *-stoma* makes it neuter; the spellings must be corrected as *A. guaraniticum*, *A. chloroticum* and *A. stigmaticum*.
27. – HYLTON SCOTT, M.I. 1955. *Ulpia*, nuevo género de Gastropoda terrestre. *Neotropica*, 1(5): 65-68, four text figures. La Plata.
This new genus of Odontostominae is dedicated to ULPI (Universidad de La Plata Internado), a university institution whose ex-fellows contributed financially to the edition of *Neotropica*. Describes its type species, *Ulpia venusta* sp.n., from Salta: shell. A key is added for the recognition of the genera within the subfamily Odontostominae.
28. – HYLTON SCOTT, M.I. 1957. Endodóntidos neotropicales. I. *Neotropica*, 3(10): 7-16, nine drawings in three text figures. La Plata.
Dedicated "to the memory of Alcides d'Orbigny," and stating that she began the collection and study of the Endodontidae several years ago. Gives the diagnosis of Family Endodontidae Pilsbry 1894 and Genus *Radiodiscus* Pilsbry & Ferriss 1908, and describes the shell of *R. coppingeri* (E.A. Smith 1881), *R. magellanicus* (E.A. Smith 1881), *R. riochicoensis* Crawford 1939, *R. kuscheli* sp.n., from Chile and *R. pilsbryi* sp.n., from Tucumán.
29. – HYLTON SCOTT, M.I. 1957. Endodóntidos neotropicales. II. *Neotropica*, 3(12): 79-87, 12 text drawings. La Plata.
Describes *Radiodiscus costellifer* sp.n., from Paraguay; *R. misionensis*

sp.n., from Misiones; *R. tenellus* sp.n., from Paraguay and *R. titicicensis* sp.n., from Bolivia. A list and a key for the recognition of the species of *Radiodiscus* known in South America is added.

30. – HYLTON SCOTT, M.I. 1957. Henry A. Pilsbry, 1862-1957. *Neotropica*, 3(12): 87-89, with a portrait in the text. La Plata.

Brief biography and comments on the scientific production of the late Dr. Pilsbry. The very words used by Dr. Hylton Scott in praise of Pilsbry became equally applicable to herself 33 years later: "He has slipped gently into old age, or old age has encroached gently upon him, without affecting either his intelligence or his spirit; without exhausting his patience as a researcher or impairing his eminent intellectual qualities. When the moment arrived to leave behind his bodily exterior he had the good fortune to be surrounded by affectionate admirers and to be respected by all those who knew him. To the last he did not allow life's lengthy course to leave even a trace of resentment in his everlastingly young heart."

31. – HYLTON SCOTT, M.I. 1957. Estudio morfológico y taxonómico de los ampulláridos de la República Argentina. *Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" e Instituto Nacional de Investigación de las Ciencias Naturales, Ciencias Zoológicas*, 3(5): 233-333, 23 plates with 42 anatomical drawings, 18 embryological schemes and 12 shell photographs. Buenos Aires.

This is hitherto the most complete study on this family in Argentina. Description of the anatomy of the digestive organs (including musculature of the pharyngeal bulb, oesophagus, stomach, intestine and digestive gland), respiratory organs, i.e., ctenidium and lung, circulatory, nervous and genital systems. Re-edition of the embryological information on *Ampullaria canaliculata* [see 5 above] with comments on other species. The systematic part gives a key to identification of the genera and specific keys for each Argentinean genus. Description, synonymy and distribution of: *Ampullaria insularum* d'Orbigny, *Amp. canaliculata* Lamarck, *Amp. canaliculata chaquensis* Hylton Scott, *Amp. scalaris* d'Orbigny, *Asolene (Asolene) platae* (Maton), *As. (As.) pulchella* (Anton), *As. (As.) spixii* d'Orbigny, *As. (Pomella) megastoma* (Sowerby), *As. (P.) americanista* Ihering, *Felipponea neritiformis* (Dall), *F. elongata* (Dall), *F. iheringi* (Pilsbry) and *Marisa planogyra* Pilsbry.

32. – HYLTON SCOTT, M.I. 1957. Anotaciones sobre la morfología de *Tropicorbis peregrinus*. *Revista del Museo de La Plata (nueva serie), Zoología*, 7: 1-22, 19 drawings, nine photographs. La Plata.

Anatomical description of specimens from La Plata. Refers to shell, general morphology of the animal, cephalic region and mantle, pallial organs, radula, digestive organs and genital system.

33. – HYLTON SCOTT, M.I. 1958. Nueva especie de *Chilina* del norte argentino. *Neotropica*, 4(13): 26-27, two photographs. La Plata.

Description of *Chilina megastoma* sp.n., from Misiones: shell.

34. – HYLTON SCOTT, M.I. 1960. Sobre la presencia del género *Pupisoma* en la Argentina (Pulm. Pupillidae). *Neotropica*, 6(19): 25-29, nine text figures. La Plata.

Report on the finding of *Pupisoma dioscoricola* (C.B. Adams 1845) in Chaco (Argentina). Description of *P. latens* sp.n., from Córdoba: shell, features of the animal, radula, and *P. puella* sp.n., based on a single shell. [There is an explanatory footnote referring to the type locality of *P. puella* (Iguazú, Misiones) in *Neotropica*, 6(21): 69. La Plata].

35. – HYLTON SCOTT, M.I. 1960. Nueva familia de pulmonado basomatóforo (Mollusca). *Neotropica*, 6(21): 65-69, four text figures. La Plata. [A summary was published in: *Physis*, 22(61): 52. Buenos Aires.]

Statement of the new family Acrorbidae, for genus *Acrorbis* Odhner, and description of *A. odhneri* sp.n., from Misiones: shell, animal, maxilla and radula.

36. – HYLTON SCOTT, H.I. 1961. Sobre la presencia de *Limnaea* [sic] *viator* en Tucumán. *Neotropica*, 7(23): 46. La Plata.

Brief comment on the presence of this species in small ponds marginal to the Medina river, Departamento Burruyacu, and reference to its importance in the transmission of *Fasciola hepatica* in the region.

37. – HYLTON SCOTT, H.I. 1962. Dos nuevas especies de *Epiphragmophora* del noroeste argentino. *Neotropica*, 8(27): 104-110, six photographs and three text drawings. La Plata.

Description of *Epiphragmophora variegata* sp.n., from Catamarca: shell, genital system, and *E. jujuyensis* sp.n., from Jujuy: shell, genital system. The genital anatomy of both species is compared to that of *E. argentina* Holmberg, which is illustrated for the first time.

38. – HYLTON SCOTT, M.I. 1962. Primeras etapas del sistema circulatorio de *Fitzroyia lineata*. *Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"* e *Instituto Nacional de Investigación de las Ciencias Naturales, Ciencias Zoológicas*, 8(18): 229-242, 10 semi-schematic drawings. Buenos Aires.

Describes the beginning of the blood circulation in embryos of this freshwater viviparous fish, the development of the main vessels: aorta, anterior and posterior cardinals, mesenteric artery, branchial arches, the hepatic circulation, and the blood irrigation of the body wall, fins and operculum.

39. – HYLTON SCOTT, M.I. 1963. Reconocimiento anatómico de *Vaginula solea* d'Orbigny y *V. doellojuradoi* Gambetta (Moll. Pulm.). *Neotropica*, 9(28): 1-7, three text figures. La Plata. Reprinted by the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," in *Extra, nueva serie*, 20.

Buenos Aires.

Dr. Hylton Scott identifies these to be the most widespread native slugs in Argentina. She describes the genital system and adds a taxonomic commentary.

40. – HYLTON SCOTT, M.I. 1963. Tres nuevos endodóntidos de Tucumán. *Neotropica*, 9(29): 49-54, nine text drawings. La Plata.

Description of shells collected from Tucumán: *Radiodiscus crenulatus* sp.n., *Austrodiscus golbachii* sp.n. and *A. superbus tucumanus* ssp.n.

41. – HYLTON SCOTT, M.I. 1963. Moluscos terrestres y de agua dulce de la Patagonia. In: Delamare Debouteville, C. & Rapoport, E. (Dir.). *Biologie de l'Amérique Australe*, 2: 385-390. CNRS-CONICET, Paris.

List with comments on the nominal species of terrestrial and freshwater mollusks from Patagonia with the following genera: *Chilina* (19 species), *Lymnaea* (10 species), *Drepanotrema* (1), *Tropicorbis* (1), *Littoridina* (5), *Ancylus* (2), *Succinea* (5), *Gastrocopta* (1), *Radiodiscus* (3), *Stephanoda* (3), *Austrodiscus* (1), *Payenia* (2), *Limax* (1), *Deroceras* (2), *Milax* (1), *Macrocyclus* (1), *Peronaeus* (1), *Plectostylus* (1), *Anodontites* (1), *Diplodon* (1), *Pisidium* (3) and *Musculium* (1).

42. – HYLTON SCOTT, M.I. 1964. *Helix costellata* d'Orbigny a la luz de su anatomía. *Neotropica*, 10(31): 15-19, three photographs and four text drawings. La Plata.

Comments on the successive systematic changes causing the species to be assigned to different genera. Study of the shell, radula, mandible, genital apparatus. Concludes with a new combination: *Austrodiscus costellatus*.

43. – HYLTON SCOTT, M.I. 1965. Anotaciones sobre los moluscos de Chancani, Córdoba (Gastropoda Pulmonata). *Neotropica*, 11(34): 23-26. La Plata.

Makes reference to the importance of the Córdoba mountain system due to its diversity of terrestrial gastropods. Cites: *Spixia chancanina* (Doering), *S. aconigastana* (Doering), *Plagiodontes weyenberghi* Doering, *Epiphrammophora trenquelleonis hidalgonis* (Doering) and *Neopetraeus stelzneri peristomatus* (Doering). Describes *Bulimulus (Scansicochlea) martinezii* sp.n., with a fine photograph of the holotype and description of mandible and radula.

44. – HYLTON SCOTT, M.I. 1965. Notas sobre la anatomía de *Microborus lutescens dorbignyi* (Doer.) (Gastrop. Pulm.). *Neotropica*, 11(35): 59-63, four figures. La Plata.

A study of five specimens from Sierra de la Ventana (Province of Buenos Aires) and description of radula, mandible, mantle, breathing organs, heart, kidney and genitals. She concludes that it is correct to distinguish

Microborus from *Strophocheilus*.

45. – HYLTON SCOTT, M.I. 1965. Sobre el nombre *Borus dorbignyi*. *Neotropica*, 11(36): 116. La Plata.

A clarification of her mistaken use of the name *Microborus* instead of the replacement name *Austroborus* Parodiz 1949 as a subgenus of *Strophocheilus*, which in this brief note she considers as a genus for the reasons given in [44].

46. – HYLTON SCOTT, M.I. 1966. Nueva *Cyclodontina* y revaloración del subgénero *Clessinia* Doering, 1874 (Gastr. Pulm.). *Neotropica*, 12(37): 30-35, five text drawings and three photographs. La Plata.

An analysis of the nomenclatural and systematic history of *Bulimus cordovanus* Pfeiffer, classifying it as *Cyclodontina* (*Clessinia*) *cordovanus*, and revalidating the name *Clessinia* Doering, instead of *Scalarinella* Doering, acknowledging it to be a *nomen nudum*. Due to the feminine grammatical gender of the genus, the name should have been *C. (Cl.) cordovana* (Pfeiffer), as was already noted by Parodiz (1957). Of the latter, she describes the shell, radula, mandible and genital organs. She describes *Cyclodontina* (*Clessinia*) *gracilis* sp.n., from Catamarca, on the basis of the single shell (holotype).

47. – HYLTON SCOTT, M.I. 1967. Nuevas *Scansicochlea* de la región central de la Argentina. *Neotropica*, 13(40): 7-12, eight text drawings and six photographs. La Plata.

Description of *Bulimulus* (*Scansicochlea*) *cicheroi* sp.n., from San Luis: shell, mandible, radula, pallial complex and genitals; *B. (S.) gladyae* sp.n., from Catamarca: shell, mandible, radula and some details of the genitals, and *B. (S.) lolae* sp.n., from Córdoba: shell, mandible, radula and a brief mention of genitals.

48. – HYLTON SCOTT, M.I. 1967. Nota informativa. *Neotropica*, 13(40): 40. La Plata.

Report on a specimen of *Bulimus cordovanus* from San Marcos Sierra (Córdoba). Rectifies the locality of material studied in [46] and comments on the objection made by Dr. W. Weyrauch to the validity of *Clessinia* Doering.

49. – HYLTON SCOTT, M.I. 1967. Nuevos odontostómidos de Córdoba (Moll. Pulmonata). *Neotropica*, 13(42): 97-103, two drawings and eight photographs. La Plata.

New specimens from San Marcos Sierra convinced Dr. Hylton Scott that the material studied in [46] and [48] did not pertain to *Clessinia cordovana* but to a new species, *Clessinia pagoda*; describes shell, radula and genital system. Describes *Spixia tridens* sp.n., from Córdoba, on the basis of shells

alone and adds a citation of *Spixia pervarians* (Haas) in Argentina: shell.

50. – HYLTON SCOTT, M.I. 1967. Nota aclaratoria con respecto al género *Clessinia* Doering. *Neotropica*, 13(42): 103. La Plata.

Refers to the arguments for maintaining the name *Clessinia*, and justifying why she considers *Scalarinella* Doering to be a *nomen nudum*.

51. – HYLTON SCOTT, M.I. 1967. Un nuevo subgénero de *Bulimulus*. *Comunicaciones de la Sociedad Malacológica del Uruguay*, 2 (13): 89-93, two drawings, one photograph [see 53]. Montevideo.

Description of *Bulimulus (Paracochlea)* subg.n. on the basis of the sculpture of its protoconch, and its type species, *B. (P.) willineri* sp.n. from Jujuy: shell, maxilla, radula, lung and some information on the genitalia.

52. – HYLTON SCOTT, M.I. & LAPUENTE, E. 1968. Valor diagnóstico de la rádula para especies del género *Homalonyx* Orbigny. *Neotropica*, 14(44): 49-56, four text figures. La Plata. Reprinted by the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," in *Extra, nueva serie*, 55 (1968). Buenos Aires.

Analysis of the characteristics known for *Homalonyx unguis* (Orbigny 1835) and a study of the genital anatomy and radula. They did not find any differential characteristic in the genitalia, but detected the existence of two radular types. They consider *H. patera* (Doering 1873) is a synonym of *H. unguis*. For the specimens with the second radular type, they describe *H. gallardoi* sp.n., from the Province of Buenos Aires.

53. – HYLTON SCOTT, M.I. 1968. *Bulimulus (Paracochlea) willineri* Hylton Scott. *Neotropica*, 14(44): 56, one photograph. La Plata.

Re-edition of the shell photograph of this species, which is the type of the subgenus described in [51], due to the low quality of the original printing. Some anatomical information is added to the diagnosis.

54. – HYLTON SCOTT, M.I. 1968. Endodóntidos neotropicales. III. *Neotropica*, 14(45): 99-102, four text drawings and two photographs. La Plata.

Description of *Stephanoda mirabilis* sp.n., from Bariloche, for material that was previously identified as *S. similis* (d'Orbigny) [see 41]. Description of shell, radula, mandible, mantle, foot and genitals.

55. – HYLTON SCOTT, M.I. 1968. Répartition et biogéographie des Mollusques de Patagonie. In: Delamare Debouteville, C. & Rapoport, E. (Dir.). *Biologie de l'Amérique Australe*, 4: 269-273. CNRS-CONICET, Paris.

Account of climatic and biogeographic division of Patagonia into three main zones (northeastern steppe, southeastern steppe and western mountain zone), with mention of the most common terrestrial and freshwater mollusks found by the Delamare Debouteville's expedition.

56. – HYLTON SCOTT, M.I. 1969. Endodóntidos neotropicales. IV. *Neotropica*, 15(47): 59-63, 10 text drawings. La Plata. [See 66 below.]
Shell description of *Stephanoda celinae* sp.n. from Neuquén; *S. perversa* sp.n. from Neuquén, and *Amphidoxa hasselae* sp.n. from Chile.
57. – HYLTON SCOTT, M.I. 1970. Endodóntidos de la región austral americana. *Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia"* e *Instituto Nacional de Investigación de las Ciencias Naturales, Ciencias Zoológicas*, 10(18): 267-296, 28 drawings. Buenos Aires.
Summary of knowledge on the Endodontidae from Southern Argentina. Dr. Hylton Scott refers here to *Radiodiscus coppereri* (E.A. Smith): redescription of shell and a list of localities; *R. magellanicus* (E.A. Smith): only bibliographic references; *R. riochicoensis* Crawford: a study of shells, measurements and a list of localities; *R. australis* sp.n., from Isla de los Estados: shell; *Stephanoda lyrata* (Couthouy in Gould): redescription of shells, list of localities, animal, pallial organs, maxilla, radula and genitals; *S. patagonica* (Suter): citation and transcription of two previous descriptions of the shell; *S. distincta* sp.n., from Río Negro: shell; *S. testalba* sp.n., from Río Negro: shell, animal, radula and genitals; *Austrodiscus (Zilchogyra) leptotera* (Mab. & Roch.): shell, a list of localities, mantle and pallial organs, maxilla, radula and genitals; *A. (Z.) kuscheli* (Hylton Scott) comb.n.; *Payenia saxatilis* Gould: redescription of the shell, animal, mandible and radula, and *Flammulina festiva* sp.n., from Chile: a shell (holotype).
58. – HYLTON SCOTT, M.I. 1970. Nota referida a un pequeño Prosobranchia de Misiones. *Neotropica*, 16(50): 86-87, three drawings. La Plata. Reprinted by the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," in *Extra, nueva serie*, 84(1970). Buenos Aires.
Description of *Helicina hispida* sp.n. on the basis of shells collected in the rainforest of Misiones. The shells apparently were from juvenile specimens.
59. – HYLTON SCOTT, M.I. 1970. Sobre *Lyrodes guaranitica* Doering. *Neotropica*, 16(50): 87-88, one drawing. La Plata. Reprinted by the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," in *Extra, nueva serie*, 84 (1970). Buenos Aires.
Description of shells collected in Misiones and discussion of the variability of the sculpture, which usually forms strong spiral ribs that can be absent in other specimens.
60. – HYLTON SCOTT, M.I. 1970. El género *Pupooides* en Argentina. *Neotropica*, 16(50): 89-90, one drawing. La Plata. Reprinted by the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," in *Extra, nueva serie*, 84 (1970). Buenos Aires.
Description of *Pupooides centralis* sp.n., from Córdoba, on the basis of the single shell collected.

61. – HYLTON SCOTT, M.I. 1971. *Homalonyx weyrauchi*, nueva especie de Tucumán (Gastropoda Succineidae). *Neotropica*, 17(52): 12-14, two drawings. La Plata.

Based on the criterion that the radula is a sufficient diagnostic feature for the species within this genus, a new species from Tucumán is described: radula and pallial system.

62. – HYLTON SCOTT, M.I. 1971. Novedades sobre gastrópodos serranos de la Argentina. *Neotropica*, 17(53): 73-78, six photographs. La Plata.

Shell description of *Spixia paucidenta* sp.n., from Córdoba, *S. marmorata* sp.n., from Salta, *S. champaquiana* (Doering) and *Bulimulus (Scansiconchlea) costellatus* sp.n., from Salta.

63. – HYLTON SCOTT, M.I. 1972. Horace Burrington Baker, 1889-1971. *Neotropica*, 18(55): 39. La Plata.

A brief obituary.

64. – HYLTON SCOTT, M.I. 1972. Lista de Gastropoda terrestres, principalmente endodóntidos, de Tierra del Fuego, Isla de Los Estados e islotes vecinos. *Neotropica*, 18(56): 67-72, five drawings. La Plata.

Citation, without description, of *Radiodiscus riocochensis* Crawford, *R. australis* Hylton Scott, *Stephanoda lyrata* Gould, *Payenia saxatilis* Gould. Describes *Austrodiscus (Zilchogyra) matteriae* sp.n., from Bahía Buen Suceso, on the basis of one shell. Cites *Succinea magellanica* Gould. Comment on the scarce antecedents referring to *Happia (Austroselenites?) ordinaria* (Smith) and description of radula, shell and pallial complex. She concludes that the latter is not an Endodontidae, classifying it with the genus *Happia* (Systrophidae) and tentatively with the subgenus *Austroselenites*.

65. – HYLTON SCOTT, M.I. 1972. Abel Fornes, 1939-1972. *Neotropica*, 18 (57): 120. La Plata.

A brief obituary.

66. – HYLTON SCOTT, M.I. 1973. Endodóntidos neotropicales. IV. [sic] *Neotropica*, 19(59): 104-109, two drawings, six photographs. La Plata. NOTE: There is an error in the numbering of this series, and two papers appear as number IV (see [56]).

Shell description of *Austrodiscus (Zilchogyra) paulistana* sp.n., from Brazil, and *Stephanoda rumbolli* sp.n., from Islas Malvinas. The spelling of the former is to be corrected as *A. (Z.) paulistanus*.

67. – HYLTON SCOTT, M.I. 1973. Endodóntidos neotropicales. V. *Neotropica*, 19(60): 126-131, three drawings, six photographs. La Plata.

Describes the shell of *Stephanoda antarctica* sp.n. from Islas Malvinas,

Hirtudiscus gen.n. and its type species, *H. hirtus* sp.n. Adds information and illustrations on *Austrodiscus (Zilchogyra) cleliae* Weyrauch.

68. – M.I.H.S. 1973. [A note referring to the 20th anniversary of *Neotropica*]. *Neotropica*, 18(60): 131. La Plata.

69. – M.I.H.S. 1974. [A note referring to the foundation of the Asociación Malacológica Argentina]. *Neotropica*, 19(61): 47. La Plata.

70. – M.I.H.S. 1974. [A comment on: Oliveira H.P. & Rodríguez, H.H., *Diccionario Conquileño-Malacológico*]. *Neotropica*, 19(62): 66. La Plata.

71. – HYLTON SCOTT, M.I. 1975. Endodóntidos neotropicales. VI. *Neotropica*, 21(64): 5-7, five drawings. La Plata.

Description of *Austrodiscus calchaqui* sp.n. from Tucumán, on the basis of one shell. Describes the second known specimen of *A. (Zilchogyra) matteriae* Hylton Scott, coming from Isla de los Estados, which is stated to be a paratype.

72. – M.I.H.S. 1975. A los entomólogos. *Neotropica*, 21(65): 71. La Plata.

A comment on the 50th anniversary of the Sociedad Entomológica Argentina.

73. – HYLTON SCOTT, M.I. 1975. Endodóntidos neotropicales. VII. *Neotropica*, 21(66): 119-121, three drawings. La Plata.

Description of *Radiodiscus flammulata* sp.n. (the spelling should be corrected to read *R. flammulatus*), from the Andes at Río Negro province.

74. – HYLTON SCOTT, M.I. 1975. Unas palabras a los suscriptores. *Neotropica*, 21(66): 121. La Plata.

Announcement that this will be the last number of *Neotropica* to be edited by its founders, after 20 years of continuity. They give the rights of the journal to the recently established Sociedad Zoológica del Plata.

75. – HYLTON SCOTT, M.I. 1975. Nota malacológica. *Neotropica*, 21(66): 122-124, two photographs. La Plata.

Describes *Bulimulus (Cochleornata)* subg.n. and its type species, *B. (C.) ambarina* sp.n. (the spelling must be corrected to *B. (C.) ambarinus*), from Jujuy: two shells.

76. – HYLTON SCOTT, M.I. 1978. Un reducto malacológico en el Uruguay. *Comunicaciones de la Sociedad Malacológica del Uruguay*, 5(35): 47-51, nine drawings in one plate. Montevideo.

The following species are reported in the Municipal Park at Punta del Este (Uruguay): *Zilchogyra janeirensis* (Thiele) comb.n.: shell; *Radiodiscus thomei* Weyrauch, *Drepanostomella uruguayana* sp.n.: shell, and *Microhappia*

brasiliensis Thiele: shell.

77. – HYLTON SCOTT, M.I. 1979. Información malacológica de la Campaña de la Transecta de Botánica de Patagonia Austral. *Neotropica*, 25(73): 3-8, three text drawings. La Plata.

A study of shells sorted from Bryophytes from southern Chile and Argentinean Patagonia, reporting the presence of *Radiodiscus riochicoensis* Crawford, *R. coppingeri* E.M. Smith, *Radiodiscus* sp., *Stephanoda rumbolli* Hylton Scott, *S. lyrata* Gould, *Payenia saxatilis* Gould, *Succinea magellanica* Gould, *Limnaea* [sic] sp., *Hydrobia hatcheri* Pilsbry. Description of *Radiodiscus coarctatus* sp.n., from Magallanes (51°50' S – 74°41' W): shell.

78. – HYLTON SCOTT, M.I. 1980. Comentario taxonómico. *Neotropica*, 26 (76): 169-170. La Plata.

Arguments in favour of the validity of the spellings *Radiodiscus riochicoensis* and *Zilchogyra lyrata*.

79. – HYLTON SCOTT, M.I. 1981. Sobre nuevas especies de *Guppya* Morch, 1867, (Gastropoda Ariophantidae). *Neotropica*, 27(78): 121-123, four text drawings. La Plata.

Description of the shells of *Guppya carinata* sp.n., from Misiones, and *G. disconformis* sp.n. from Chaco and Jujuy.

80. – HYLTON SCOTT, M.I. 1981. Referencia al género *Stephanoda* Albers, 1860 y la creación del género *Stephadiscus* n.gen. (Mollusca Endodontidae). *Neotropica*, 27(78): 123-126, three text drawings. La Plata.

Rejection of the spelling *Zilchogyra lyrata*, description of the new genus *Stephadiscus*, with *Helix lyrata* as type species, and inclusion of the following species in the new genus: *Stephanoda celinae* Hylton Scott, *S. perversa* Hylton Scott, *S. distincta* Hylton Scott, *S. testalba* Hylton Scott, *S. rumbolli* Hylton Scott, *S. antarctica* Hylton Scott. Description of *S. striatus* sp.n. from Salta: shell.

81. – HYLTON SCOTT, M.I. 1984. Anotaciones sobre el género *Guppya* Morch, 1867 (Mollusca Pulmonata). *Neotropica*, 30(83): 89-95, two text drawings. La Plata.

From the study of 140 shell samples of this genus cited here are *Guppya aena* [sic] Hylton Scott, *G. lilloana* Hylton Scott (with an explanation on its spelling), *G. mayi* Baker, originally described from Brazil and cited here for the first time from Río de La Plata, *G. disconforme* Hylton Scott, 1981 (incorrect subsequent spelling). Description of *G. altispira* sp.n., from Bolivia.

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