

Dear Rob,

Regarding the synonymy that figured so prominently your recent blog "*Ferrissia fragilis* (Tryon, 1863)" at <<https://fwgna.blogspot.com/>>:

I found myself asking two questions: How did Basch (1963: 435 <<https://biodiversitylibrary.org/page/4270143>>) know the dates (day, month) of **publication** of the three topical synonyms, and could Stimpson know of *Gundlachia californica* Rowell (including a figure thereof) by the time he presented his paper (June 17) other than by having read it in a publication?

Here's what I found about the chronology of the descriptions of these three taxa with some the help from Bruce Neville:

***Gundlachia californica* Rowell, 1863: 21-22.**

Rowell, J., 1863. Description of a new Californian Mollusc. *Proceedings of the California Academy of Sciences Series 1* 3: 21-22.

<<https://biodiversitylibrary.org/page/3147969>> **Read April 20**; published in May. [see Leviton *et al.* 2010: 159(143); citation no. 3323; screenshot attached since URL is quirky.]

***Gundlachia meekiana* Stimpson, 1863: 250-252.**

Stimpson, W., 1863. Malacozoological Notices No. 1, On the genus *Gundlachia*. *Proceedings of the Boston Natural History Society* 9: 249 -252.

<<https://biodiversitylibrary.org/page/32011261>> **Read June 17**; published in Dec. [Meisel, 1926: 470 - *vide scan ex* Bruce Neville. Furthermore, Bruce pointed out that the bottom of page 241 bears the (16 pp.) signature date "December, 1863" <<https://biodiversitylibrary.org/page/32011252>>, in support of the Meisel dating.]

***Ancylus fragilis* Tryon, 1863: 149-150.**

Tryon, G. W., 1863. Descriptions of new species of fresh water Mollusca, belonging to the families Amnicolidae, Valvatidea, and Limnaeidae; inhabiting California. *Proceedings of the Academy of Natural Sciences of Philadelphia* 15: 147-150. <<https://biodiversitylibrary.org/page/1958413>>. **Read May 26**; published July 13 [Nolan *et al.*, 1913: xiii <<https://biodiversitylibrary.org/page/26311222>>]

Ergo the chronology:

***Gundlachia californica* Rowell, 1863: 21-22. (31) May.**

***Ancylus fragilis* Tryon, 1863: 149-150. 13 July.**

***Gundlachia meekiana* Stimpson, 1863: 250-252. (31) December**

Apparently Bequaert and Miller (1973: 212-213) came to the same conclusion as to the valid name, but without quite as much evidence. Christensen (2010: 5-6) provided an argument vs. *nomen oblitum* status for *A. californica*.

Basch, P.F., 1963. A review of the recent freshwater limpet snails of North America (Mollusca: Pulmonata). *Bulletin of the Museum of Comparative Zoology Harvard University* 129: 399–461. <<https://biodiversitylibrary.org/page/4269914>>

Bequaert, J.C. and W.B. Miller. 1973. *The Mollusks of the Arid Southwest with an Arizona Checklist*. University of Arizona Press, Tucson. [i]-xvi + 1-271.

Christensen, C.C., 2016. Change of status and name for a Hawaiian freshwater limpet: *Ancylus sharpi* Sykes, 1990 is the invasive North American *Ferrissia californica* (Rowell, 1863), formerly known as *Ferrissia fragilis* (Tryon, 1863) (Gastropoda: Planorbidae: Ancyliinae). *Bishop Museum Occasional Papers* 118: 5–8. <<http://hbs.bishopmuseum.org/pubs-online/pdf/op118p5-8.pdf>>

Evenhuis, N., 2011. Catalogue of dating sources for zoological works Second edition. *Bishop Museum Technical Bulletin* 56: [i]-[i v] + 1-234. <<http://hbs.bishopmuseum.org/publications/pdf/tr56.pdf>> [source of bibliographic collatons]

Leviton, A.E., G.O.U. Wogan, and M.L. Aldrich, 2010. Scientific Publications of the California Academy of Sciences 1854-2010. *Occasional Papers of the California Academy of Sciences* 158: [i]-[ii] + [iii]+xiii + 1-568. 19 November. <[https://www.researchgate.net/publication/259266106\\_Scientific\\_publications\\_of\\_the\\_California\\_Academy\\_of\\_Sciences\\_1854-2010](https://www.researchgate.net/publication/259266106_Scientific_publications_of_the_California_Academy_of_Sciences_1854-2010)> [This URL is quirky, ergo the partial screenshot.]

Meisel, M., 1926, Boston Society of Natural History 1841–1866. Pp 466–470. In Meisel, M., 1924, 1926, 1929. *Bibliography of American Natural History*. 3 vols. Hafner, New York. [Reproduced in facsimile, 1967]

Meisel, M., 1929, Proceedings of the California Academy of Sciences 1854-1868. pp. 149–157. In Meisel, M., 1924, 1926, 1929. *Bibliography of American Natural History*. 3 vols. Hafner, New York. [Reproduced in facsimile, 1967]

Nolan, E.J. [ed.], 1913. *An index to the scientific contents of the Journal and Proceedings of The Academy of Natural Sciences of Philadelphia 1812–1912. Published in Commemoration of the Centenary of the Academy, March 21, 1912*. Academy of Natural Sciences, Philadelphia. vii–xiv. <<https://biodiversitylibrary.org/page/26311234>>

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