Species accounts of California

ctrab: Tue Feb 28 10:55:37 2023

Ischnocera (Phthiraptera: Insecta) Species: 5 Genera: 3 Genus: 1

Bothriotrichodectes (Phthiraptera: Insecta: *Ischnocera*) Species: 1 Genus: 1

Bothriotrichodectes Kéler, 1938 Species: 1

Kéler, S. von (1938) Die Mallophagen der Gattungen Bothriotrichodectes n. gen., Bonchodectes, Mesogonioides, Wyomanoides, Mesonymphodectes und Mesonymphodectes n. gen. (Ischnocera). Zeitschrift für Parasitenkunde 10: 685-711.

Bothriotrichodectes Kéler, 1938 Carlton, C.E., Gaston, L., Hendrix, M.W., Lemmon, G.C., Oliveira, D.C. & Mathews, C.M. 2000. A revision of the genus Bothriotrichodectes (Ischnocera: Leiodidae) of rodents from the southern United States, Mexico, Nicaragua and Costa Rica. Parasitologica 42: 1-20.

Bothriotrichodectes phillipsae (Hopkins)

Bryopsocerodectes (Hopkins)

Bryopsocerodectes Lamarcheus

Bryopsocerodectes lamarcheus (Lamarche) Species: 1

Kéler, S.V., Emmons, R.W. & Ryan, R.O. 1966. Contribution to the feather mites (Acarina: Sarcoptiformes) of Nevada. Wasmann Journal of Biology 24: 1-8.

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California.

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California.

Gaston, L.K., Gaskin, J.F. & Kunkel, H.W. Copepodan Ischnocera (Copemandibulata) ectoparasitic on the northern Pocket Gopher, Thomomys talpoides talpoides (Richardson) (Rodentia: Geomyidae) in Alberta and Saskatchewan. Canadian Journal of Zoology 61: 1-6.

Gaston, L.K. 1968. Ischnocera of the genus Thomomyophilus (Mallophaga: Leiodidae) from pocket gophers (Rodentia: Geomyidae) in the southern Gulf of Mexico. Houston Sci. 20: 279.

Cordylodectes Kéler

Cordylodectes ceratocephalus (Scopoli) Syn. Dasyonyx Conci, Lopez Jurado & Lopez 1971. Cordylodectes ceratocephalus (Scopoli) Species: 1

Conci, C., Lopez Jurado, L. & Lopez, J. 1971. Cordylodectes ceratocephalus (Scopoli) Species: 1

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California.

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California.

Gaston, L.K. 1968. Ischnocera of the genus Thomomyophilus (Mallophaga: Leiodidae) from pocket gophers (Rodentia: Geomyidae) in the southern Gulf of Mexico. Houston Sci. 20: 279.

Cordylodectes Kéler

Cordylodectes ceratocephalus (Scopoli) Syn. Dasyonyx Conci, Lopez Jurado & Lopez 1971. Cordylodectes ceratocephalus (Scopoli) Species: 1

Conci, C., Lopez Jurado, L. & Lopez, J. 1971. Cordylodectes ceratocephalus (Scopoli) Species: 1

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California.

Kéler, S.V., 1969. The feather mites (Acari) of central San Francisco Bay. In: San Francisco Bay: The Urbanized Estuary. (Contrib. 17), xxi, pp. 297-310. Proceedings of the 4th Conference, April 1-3, 1969, Pacific Grove, California

Rhabdochloa clandestina (C. Agardh) R.E. Norris

Centroceras sp. 1

Centroceras sp. 2

Centroceras sp. 3

Centroceras clavulatum (C. Agardh) Montagne

Centroceras gasterocnemum (Harvey) Hollenberg

Centroceras hormuzense (Grev.) Yamada

Centroceras minutum (Setchell & N.L. Gardner) Setchell & N.L. Gardner

Centroceras spinulosum (Setchell & N.L. Gardner) Setchell & N.L. Gardner

Centroceras sp. 1

Centroceras sp. 2

Centroceras sp. 3

Centroceras sp. 4

Centroceras sp. 5

Centroceras sp. 6

Centroceras sp. 7

Centroceras sp. 8

Centroceras sp. 9

Centroceras sp. 10

Centroceras sp. 11

Centroceras sp. 12

Centroceras sp. 13

Centroceras sp.

Hughes, J.B. & Eyre, J.M. 2003. Phylogenetic and geographic analysis of Australian Crustacean Decapoda: Metabolic rate, Metabolic Scaling and Phylogenetic Relationships. Pp. 1-12 in Lockwood, B.G. & Somero, G.N. (eds) Proceedings of the 2nd International Symposium on Crustacean Biology. Marine Biological Association of the United Kingdom, Plymouth.

Hughes, J.B. & Eyre, J.M. 2004. Phylogenetic and geographic analysis of Australian Crustacean Decapoda: Metabolic rate, Metabolic Scaling and Phylogenetic Relationships. Journal of Crustacean Biology 24(1): 1-12.

Hunter, J.R. & Lynn, J.W. 1990. Ecotoxicology of Crustacean Eggs. Pp. 1-25 in Adiyodi, K.G. & Adiyodi, R.G. (eds) Reproductive Biology of Crustacean Vol. 4. Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi

Genus *Alpheus* (Crustacea: Decapoda: Alpheidae)

Gerry, M.D. 2021. Pyrola sanctaeannae, nom. nov. for Pnephyrella californica Hetherington (Ericaceae). Novon 28: 1–3.

Former name: *Pnephyrella gaultheri* G.D. Hetherington & E.M. Gerry
Former name: *Pyrolaceae gaultheri* (E.M. Smith & E.F. Blaisdell) J.C. Lindsman Yang et al. 2020

Sutherland, J.R., Lindstrom, S.C., Nelson, W.A., Brubacher, J., Lynch, M.D.J., Hwang, M.S., Chen, H.-G., Miyano, M., Kikuchi, N., Oliveira, M.C., Fan, T., Norlin, C.D., Molina-Montenegro, A., Mileson, P., Müller, K.M. 2011. A new look at an ancient order: generic review of the Ranguloids (Rubiales). Journal of Phytology 47: 1131–1151.

Pyrolaceae marcescens Kuntze

West, J.A. 2016. Personal communication re: culture results.

Pyrolaceae rosea var. *alaxensis* G.J. Hollenberg & J.A. Albert

Pyrolaceae turkestanica Ikonnikov-Galitzinov

Pyrolaceae moseri (Setchell & N.L. Gardner) De Tonz

Former name: *Primula angustia* (Skarness) sensu Abbott & Hellwinkel 1976 (not in California)
Former name: *Primula linearis* Kellyn

Gabrielson, F.W. 2008. On the absence of previously reported Japanese and Peruvian species of Primula (Hallwynnaceae, Rhodophyta) in the northeast Pacific. Phycological Research 56: 105–114.

Primula australis (J. Agardh) J. Agardh

Primula cornea (Okamura) E.Y. Dawson sensu Abbott & Hellwinkel 1976 (not in California)

Gabrielson, F.W. 2008. On the absence of previously reported Japanese and Peruvian species of Primula (Hallwynnaceae, Rhodophyta) in the northeast Pacific. Phycological Research 56: 105–114.

Primula fijiensis Kylin

Primula laxa (Okamura) Yamada

Primula linearis Kellyn

Former name: *Primula lutilla* Harvey
Former name: *Primula stenodonta* (C. Agardh) J. Agardh

Gabrielson, F.W. 2008. Molecular sequencing of Northeast Pacific type material reveals two earlier names for Primula lutilla, Primula johna and Primula stenodonta, with brief comments on Ecklonia vinacigrosa (Hallwynnaceae, Rhodophyta). Phycologia 47: 89–97.

Primula vagula G.J. Hollenberg & I.A. Abbott

Former name: *Pseudoglossopteris confusa* (Setchell) Levring
Former name: *Sonder Nemoa confusa* (Setchell) J.M. Hitchcock

Heinmo, J.M. 1985. The Sinoia assemblage (Galaxaceae, Rhodophyta): a re-appraisal. Phycologia 24: 403–418.

Former name: *Pseudolithophyllum neofarlowii* (Setchell & Mason) W.R. Adey
Former name: *Lithophyllum neofarlowii* (Setchell & Mason) W.R. Adey & P.C. Silva, Evan van Morwe & Maxwell
Former name: *Lithophyllum tumidum* Foslie & A.A. Lemoine, A. Foslie & J.M. Mason ex A.C.E. Pujol

Carugnano, A., Foslie, A., Maxwell, G.W., Millet, L., Liu, L.-X., Lin, S.M., Rodondi, G. & Pujol, C.E. 2019. Revision of Corallinaceae (Corallinales, Rhodophyta): recognizing Dawsonioliteae gen. nov., Parvolithoneae gen. nov. and Chamberlainoideae subfam. nov. containing Chamberlainium gen. nov., Lithoporella, Neogoniolithon, Parvolithon, Pneophyllum. Phytotaxa 417: 1–29.

Sutherland, J.R., Hilbert, C., Chasing, A., Maxwell, G.W. & Gabrielson, P.W. 2015. DNA sequencing resolves species of Spongites (Corallinales, Rhodophyta) in the Northeast Pacific and South Africa, including S. argillaceus sp. nov. Phycologia 54: 471–490.

Former name: *Pseudoscinaia neodevise* Setchell
Former name: *Sinoia neodevise* (Setchell) J.M. Hitchcock

Heinmo, J.M. 1985. The Sinoia assemblage (Galaxaceae, Rhodophyta): a re-appraisal. Phycologia 24: 403–418.

Former name: *Pneumatolithophyllum californicum* (E.Y. Dawson) E.Y. Dawson
Current name: *Porolithon californicum* (M.A. Howe) B. Sanderlin

Sanderlin, B. 1998. Taxonomic review of the genus Porolithon. Journal of Applied Phycology 10: 237–252.

Former name: *Pterocladia capillacea* (S.G. Gmelin) Santelices & Hommersand
Former name: *Pterocladiella capillacea* (S.G. Gmelin) Santelices & Hommersand

Santelices, B. & Hommersand, M.H. 1997. Pterocladiella, a new genus in the Gelidiaceae (Gelidiales, Rhodophyta). Phycologia 36: 114–119.

Former name: *Pterocladia nestia* E.Y. Dawson

Hommersand, M.H. & Fredericq, S. 2011. Dawson's Gelidiaceae (Gelidiales, Rhodophyta). Phycologia 50: 1–31.

Boe, G.H., Hwang, I.K., Ho, D.S., Miller, K.A., Kogame, K., Chu, G.Y., Kim, J.Y. & Boo, S.M. 2016. Phylogeny and distribution of the genus Pikaea (Gigartinales, Rhodophyta) with special reference to P. yoshizaki from Korea. Phycologia 55(1): 3–11.

Pterocladiella lavarium (Collins) G.H. Boe & K.A. Miller

Former name: *Pseudogloiophloea confusa* (Setchell) Levring
Former name: *Sinoia confusa* (Setchell) J.M. Hitchcock

Heinmo, J.M. 1985. The Sinoia assemblage (Galaxaceae, Rhodophyta): a re-appraisal. Phycologia 24: 403–418.

Former name: *Pterocladia calegulosiensis* (M.A. Howe) E.Y. Dawson
Current name: *Pterocladiella calegulosiensis* (M.A. Howe) B. Santelices

Santelices, B. 1998. Taxonomic review of the genus Pterocladiella. Journal of Applied Phycology 10: 237–252.

Former name: *Pterocladia capillacea* (S.G. Gmelin) Santelices & Hommersand
Current name: *Pterocladiella capillacea* (S.G. Gmelin) Santelices & Hommersand

Santelices, B. & Hommersand, M.H. 1997. Pterocladiella, a new genus in the Gelidiaceae (Gelidiales, Rhodophyta). Phycologia 36: 114–119.

Former name: *Pterocladia nestia* E.Y. Dawson

Hommersand, M.H. & Fredericq, S. 2011. Dawson's Gelidiaceae (Gelidiales, Rhodophyta). Phycologia 50: 1–31.

Boe, G.H., Hwang, I.K., Ho, D.S., Miller, K.A., Kogame, K., Chu, G.Y., Kim, J.Y. & Boo, S.M. 2016. Phylogeny and distribution of the genus Pikaea (Gigartinales, Rhodophyta) with special reference to P. yoshizaki from Korea. Phycologia 55(1): 3–11.

Pterocladiella nestia (Harvey) G.J. Hollenberg

Former name: *Pterocladiella nestia* (Harvey) G.J. Hollenberg
Current name: *Pterocladiella nestia* (Harvey) G.J. Hollenberg

Former name: *Pteropiosphaera halleri* (Harvey) Fredericq
Current name: *Symphytocladiella halleri* (Harvey) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Former name: *Pterosiphonia californica* Kylin
Current name: *Epiphycopeltis pennata* (C. Agardh) Savoie & G.W. Saunders

Norris, J.N. Marine Algae of the Northern Gulf of California, II. Bioblepharis. Smithsonian Contributions to Botany 96, pp. 12 sq., 111, 2000.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Former name: *Pterosiphonia robusta* N.L. Gardner
Current name: *Polysiphonia robusta* N.L. Gardner) Savoie & G.W. Saunders

Former name: *Sorenson robusta* N.L. Gardner) M.J. Wynne

Wynne, M.J. 2018. The status of Polysiphonia Republica (1850) and the proposal of Savoina gen. nov. (Rhodomelaceae, Rhodophyta). Notulae Algarum 69: 1–8.

Former name: *Pterosiphonia cloveldavisii* (Farlow) G.J. Hollenberg
Current name: *Pterosiphonia farlowii* G.J. Hollenberg

Hollenberg, G.J. 1976. Correction of algal binomial. Taxon 25: 122.

Former name: *Pterosiphonia dendroides* (Montagne) P. Falkenberg
Current name: *Symphytocladia dendroides* (Montagne) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Former name: *Symphytocladia halleri* (Harvey) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Sutherland, J.R., Lindstrom, S.C., Nelson, W.A., Brubacher, J., Lynch, M.D.J., Hwang, M.S., Chen, H.-G., Miyano, M., Kikuchi, N., Oliveira, M.C., Fan, T., Norlin, C.D., Molina-Montenegro, A., Mileson, P., Müller, K.M. 2011. A new look at an ancient order: generic review of the Ranguloids (Rubiales). Journal of Phytology 47: 1131–1151.

Pteropiosphaera halleri (Harvey) Fredericq

Former name: *Pteropiosphaera halleri* (Harvey) Fredericq
Current name: *Symphytocladia halleri* (Harvey) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Former name: *Epiphycopeltis pennata* (C. Agardh) Savoie & G.W. Saunders

Norris, J.N. Marine Algae of the Northern Gulf of California, II. Bioblepharis. Smithsonian Contributions to Botany 96, pp. 12 sq., 111, 2000.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Former name: *Pterosiphonia robusta* N.L. Gardner
Former name: *Polysiphonia robusta* N.L. Gardner) Savoie & G.W. Saunders
Current name: *Sorenson robusta* N.L. Gardner) M.J. Wynne

Wynne, M.J. 2018. The status of Polysiphonia Republica (1850) and the proposal of Savoina gen. nov. (Rhodomelaceae, Rhodophyta). Notulae Algarum 69: 1–8.

Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Pylaiella fucicola J. Agardh

Pylaiellamicro cadicola (E. Dawson) I.A. Abbott

Pylaiellamonospora hypleura (Farlow) P.S. Dixon

Pugetia fragilissima Kylin

Pulvinia aspidiscus G.J. Hollenberg

**Pyropia bajacalifornensis* L.E. Aguilar Rosas & J.R. Hughey

Lindstrom, S.C., Hughey, J.R., Rosas, L.E.A. 2015. Four new species of Pyropia (Bangiales, Rhodophyta) from the west coast of North America: the Pyropia lanceolata species complex updated. Phycology 52: 1–22. doi: 10.3897/phycology.52.5009

**Pyropia columbinaria* S.C. Lindstrom

Lindstrom, S.C., Hughey, J.R., Rosas, L.E.A. 2015. Four new species of Pyropia (Bangiales, Rhodophyta) from the west coast of North America: the Pyropia lanceolata species complex updated. Phycology 52: 1–22. doi: 10.3897/phycology.52.5009

**Pyropia convexa* (S.C. Lindstrom & K.M. Cole) S.C. Lindstrom

Gabrielson, P.W., Wolseley, T.R. & Lindstrom, S.C. 2004. Keys to the seaweeds and seagrasses of Oregon and California. Phycological Contribution 6, p. 181.

Sutherland, J.R., Lindstrom, S.C., Nelson, W.A., Brubacher, J., Lynch, M.D.J., Hwang, M.S., Chen, H.-G., Miyano, M., Kikuchi, N., Oliveira, M.C., Fan, T., Norlin, C.D., Molina-Montenegro, A., Mileson, P., Müller, K.M. 2011. A new look at an ancient order: generic review of the Ranguloids (Rubiales). Journal of Phytology 47: 1131–1151.

Former name: *Pyropia hiberna* (K.C. Lindstrom & K.M. Cole) S.C. Lindstrom
Former name: *Porphyra hiberna* (K.C. Lindstrom & K.M. Cole) J.R. Hughey

Lindstrom, S.C., Hughey, J.R., Rosas, L.E.A. 2015. Four new species of Pyropia (Bangiales, Rhodophyta) from the west coast of North America: the Pyropia lanceolata species complex updated. Phycology 52: 1–22. doi: 10.3897/phycology.52.5009

Sutherland, J.R., Lindstrom, S.C., Nelson, W.A., Brubacher, J., Lynch, M.D.J., Hwang, M.S., Chen, H.-G., Miyano, M., Kikuchi, N., Oliveira, M.C., Fan, T., Norlin, C.D., Molina-Montenegro, A., Mileson, P., Müller, K.M. 2011. A new look at an ancient order: generic review of the Ranguloids (Rubiales). Journal of Phytology 47: 1131–1151.

Pyropia montereyensis S.C. Lindstrom & J.R. Hughey

Lindstrom, S.C., Hughey, J.R., Rosas, L.E.A. 2015. Four new species of Pyropia (Bangiales, Rhodophyta) from the west coast of North America: the Pyropia lanceolata species complex updated. Phycology 52: 1–22. doi: 10.3897/phycology.52.5009

**Pyropia setchellii* L.E. Hanlon, K.M. Morales, & J.R. Hughey

Morales, K.M., Hanlon, K.M., Hughey, J.R. 2020. Identification of a new marine algal species Pyropia setchellii sp. nov. (Bangiales: Rhodophyta) from Monterey, California. Mycosphere: An International Journal of Fungi and Mycology 11(1): 1058–1062.

**Pyropia yezoensis*subsp. S.C. Lindstrom & J.R. Hughey

Lindstrom, S.C., Hughey, J.R., Rosas, L.E.A. 2015. Four new species of Pyropia (Bangiales, Rhodophyta) from the west coast of North America: the Pyropia lanceolata species complex updated. Phycology 52: 1–22. doi: 10.3897/phycology.52.5009

**Pyropia lanceolata* S.C. Lindstrom & J.R. Hughey

Sutherland, J.R., Lindstrom, S.C., Nelson, W.A., Brubacher, J., Lynch, M.D.J., Hwang, M.S., Chen, H.-G., Miyano, M., Kikuchi, N., Oliveira, M.C., Fan, T., Norlin, C.D., Molina-Montenegro, A., Mileson, P., Müller, K.M. 2011. A new look at an ancient order: generic review of the Ranguloids (Rubiales). Journal of Phytology 47: 1131–1151.

Reticulotheca cremnicola E. Y. Dawson

Former name: *Rhodochorton concrescens* K.M. Drew
Former name: *Membranoptera concrescens* (K.M. Drew) P.W. Gabrielson

Gabrielson, P.W., Wolseley, T.R., Lindstrom, S.C., Hansen, M.W. & Scagel, R.F. 2000. Keys to the benthic marine algae and seagrasses of British Columbia, Southern Alaska, Washington and Oregon. Phycological Contribution Department of Botany, University of British Columbia No. 5, Pp. ix + 168.

Garbary, D.J., Johnson, G., Miller, A.G. 2011. Seaweeds of the Arctic and adjacent waters 3. Rhodophyta: Ceramiales: Rhodomelaceae (red algae), class Florideophyceae, orders Acrochaetiales and Nemaliales. Taxon 55 (Suppl. 1): 1–102.

Rhodochorton purpureum (Lightfoot) Rosenvinge

Rhodochorton tenue Kylin

Rhodoclaxa caerulella G.J. Hollenberg & I.A. Abbott

Former name: *Rhodoglossum affine* (Harvey) Kylin
Former name: *Curcuria affine* (Harvey) S. Fredericq

Hommersand, M.H., Guiry, M.D., Fredericq, S. & Leister, G.L. 1993. New perspectives in the taxonomy of the Gigartinaceae (Gigartinales, Rhodophyta). Proceedings of the International Seaweed Symposium, pp. 105–120.

Former name: *Rhodoglossum californicum* (J. Agardh) I.A. Abbott
Former name: *Curcuria californicum* (J. Agardh) S. Fredericq

Hughey, J.R., Silva, P.C. & Hommersand, M.H. 2001. Solving taxonomic and nomenclatural problems in Pacific Gigartinaceae (Rhodophyta) using DNA from type material. Journal of Phycology 37: 1091–1109.

Former name: *Rhodoglossum oneonta* G.J. Hollenberg & I.A. Abbott
Former name: *Mazzaella oneiroica* (J. Agardh) De Toni f.

Hughey, J.R., Silva, P.C. & Hommersand, M.H. 2001. Solving taxonomic and nomenclatural problems in Pacific Gigartinaceae (Rhodophyta) using DNA from type material. Journal of Phycology 37: 1091–1109.

Former name: *Rhodoglossum parvum* G.M. Smith & G.J. Hollenberg
Former name: *Mazzaella parva* (G.M. Smith & G.J. Hollenberg) J.R. Hughey, P.C. Silva, & M.H. Hommersand

Hughey, J.R., Silva, P.C. & Hommersand, M.H. 2001. Solving taxonomic and nomenclatural problems in Pacific Gigartinaceae (Rhodophyta) using DNA from type material. Journal of Phycology 37: 1091–1109.

Former name: *Rhodoglossum rosacea* (Kylin) G.M. Smith
Former name: *Mazzaella rosacea* (Kylin) S. Fredericq

Hommersand, M.H., Guiry, M.D., Fredericq, S. & Leister, G.L. 1993. New perspectives in the taxonomy of the Gigartinaceae (Gigartinales, Rhodophyta). In Proceedings of the International Seaweed Symposium, pp. 105–120.

**Rhodella violacea* (P. Kornmann) W. Wehrmeyer

West, J.A. 2016. Personal communication re: culture results.

Rhodochorton boryanum Ivry (Turner) C. Agardh

Former name: *Nothrodontia* Ivry (Turner) M. Masuda

Masuda, M. 1982. A systematic study of the tribe Rhodomelaceae (Rhodophyta). Bulletin of the Faculty of Science, Hokkaido University, Series V (Biology) 12: 209–400.

Former name: *Rhodoptycheus elegans* (P. & H.M. Crouan) Batters sensu Abbott & Hellwinkel 1976
Former name: *Rhodoptycheus calendulae* M. Masuda & M. Ohba

Masuda, M. & Ohba, M. 1981. Taxonomy and life history of Rhodoptycheus calendulae sp. nov. (Rhodophyta). Japanese Journal of Phycology 29: 15–20.

Kamiya, G.W., Kogame, K., & MacLachlan, J.A. 1993. Life history variation in Rhodoptycheus elegans (Polysiphonieae, Rhodomelaceae) from the North Atlantic and continue Rhodoptycheus elegans, from the North Pacific. Canadian Journal of Botany 67: 2671–2672.

Former name: *Rhodoptycheus elegans* var. *polyistomica* (Hansen) P.S. Dixon sensu Abbott & Hellwinkel 1976
Former name: *Rhodoptycheus minus* G.J. Hollenberg & I.A. Abbott

Saunders, G.W., Maggs, C.A. & McLachlan, J.L. 1989. Life history variation in Rhodoptycheus elegans (Polysiphonieae, Rhodophyta) from the North Atlantic and continue Rhodoptycheus elegans, from the North Pacific. Canadian Journal of Botany 67: 2671–2672.

Former name: *Rhodoptycheus plumosum* (Harvey) & J.W. Bailey) Kylin
Current name: *Dasya plumosa* (Harvey) & J.W. Bailey) Cecelia C. Carter & C.W. Schneider & G.W.Saunders

Cassidy, M.M., Schneider, C.W. & Saunders, G.W. 2022. The Dasyaceae (Ceramiales, Rhodophyta) of Japan and the Korean Peninsula: the genus Dasya and the genus Heterosiphonia, with two new species from the archipelago. Journal of Phycology 59 https://doi.org/10.1111/jpy.13282

Rhodymenia arborescens E.Y. Dawson

Rhodymenia californica Kylin

Rhodymenia callophyllidioides G.J. Hollenberg & I.A. Abbott

Former name: *Rhodymenia californica* var. *atromalis* (E.Y. Dawson) E.Y. Dawson
Current name: *Rhodymenia californica* Kylin

Gabrielson, P.W., Wolseley, T.R. & Lindstrom, S.C. 2004. Keys to the seaweeds and seagrasses of Oregon and California. Phycological Contribution 6, p. v. 181.

Former name: *Rhodymenia hancockii* E.Y. Dawson
Current name: *Rhodymenia arborescens* E.Y. Dawson (in California)

Former name: *Rhodymenia leptocladia* E.Y. Dawson
Current name: *Rhodymenia pacifica* Kylin

Gabrielson, P.W., Wolseley, T.R. & Lindstrom, S.C. 2004. Keys to the seaweeds and seagrasses of Oregon and California. Phycological Contribution 6, p. v. 181.

Rhodymenia pacifica Kylin

Former name: *Rhodymenia pulmata* var. *mollis* Setchell & N.L. Gardner
Former name: *Palmaria mollis* (Setchell & N.L. Gardner) van der Meer & Bird
Former name: *Devaleraea mollis* (Setchell & N.L. Gardner) C.W. Sanders, C.J. Jackson & Solomski

van der Meer, J.P. & Bird, C.J. 1985. Palmaria mollis var. nov.: a newly recognized species of Palmaria (Rhodophyta) from the northeast Pacific coast. Canadian Journal of Botany 63: 1–4.

Saunders, G.W., Jackson, C., & Solomski, E.D. 2017. Phylogenetic analyses of transcriptome data resolve familial assignments for genera of the red-algal Acrochaetiales Pulvinariales complex (Rhodophyta). Phycologia 56: 1–9.

Rhodymenia chilensis E.Y. Dawson

Hommersand, C.V. & Saunders, G.W. 2018. Assessment of the order Rhodymeniales (Rhodophyta) from British Columbia using an integrative taxonomic approach reveals overlooked and cryptic species diversity. Botany 96: 370–383.

Rhodymenia compsobotrytis E.Y. Dawson & Setchell

Former name: *Rhodymenia botryoides* Setchell
Former name: *Rhodymenia-sinuosa botryoides* Setchell

Sarcodiotheca gaudichaudii (Setchell & N.L. Gardner) Kylin

Scagelia cycloidanea (Kylin) E.M. Wollaston

Schimmelmannia plumosa (Setchell & N.L. Gardner)

Former name: *Schizymenia dubyanum* J.A. Abbott
Former name: *Schizymenia dubyanum* (J.A. Abbott) G.J. Hansen

Hansen, G.J. 1989. Schizymenia dubyanum and its relation to the genus Sebdenia (Schizomeniales, Rhodophyta). Taxon 38: 54–59.

Former name: *Schizymenia apodisciformis* (Setchell & Lawson) G.M. Smith & G.J. Hollenberg
Current name: *Peyssonnelopsis apodisciformis* Setchell & G.W. Lawson

Setchell, W.A. 1905. Parasitic Florideae of California. Proceedings, Nova Notarisia 17: 59–62.
Smith, G.M. & Hollenberg, G.J. 1943. On some Rhodophyceae from the Hawaiian Archipelago. Pacific Science. American Journal of Botany 30: 211–223.

**Schizymenia dubyi* (Chauvin ex Duby) J. Agardh

Hughey, J.R. & Miller, K.A. 2009. Schizymenia collection. Madroño 56: 64.
Saunders, G.W., Birch, T.C. & Dixon, K.R. 2015. A DNA barcode survey of Schizymenia (Nemastomatales, Rhodophyta) in Australia and British Columbia reveals overlooked diversity including S. tenuis sp. nov. and Predaea borealis sp. nov. Botany 93: 839–871.

Schizymenia pacifica (Kylin) Kylin

**Schizymenia sp.*

Saunders, G.W., Birch, T.C. & Dixon, K.R. 2015. A DNA barcode survey of Schizymenia (Nemastomatales, Rhodophyta) in Australia and British Columbia reveals overlooked diversity including S. tenuis sp. nov. and Predaea borealis sp. nov. Botany 93: 839–871.

Schizophyllum nelsiae E.Y. Dawson

Former name: *Sinoia arctulaton* Setchell
Former name: *Sinoia johnstonae* Setchell

Leite Cusatis, R., Rosenstein Rodriguez, R., Neto, A.I. & Hernández Carmona, G. 2009. The red algal genus Sinoia (Nemaliales; Galaxaceae) on the Gulf of California, Mexico: a taxonomic account. Phycologia 48: 186–210.

Sinoia johnstonae Setchell

Sinoia latifrons M.A. Howe

Former name: *Sorematocarpus mucilinosi* (Yendo) P.C. Silva
Former name: *Johansenia mucilinosi* (Yendo) R.E. Head & G.W. Saunders

Head, R.E. & Saunders, G.W. 2013a. A molecular phylogenetic study of the tribe Corallinelae (Corallinales, Rhodophyta) with an assessment of genus-level taxonomy features and descriptions of novel genera. J. Phycology 49: 103–114.

Sorella nuiaulan (C.L. Anderson) G.J. Hollenberg

Sorella delicatula (N.L. Gardner) G.J. Hollenberg

Sorella pinnata G.J. Hollenberg

Spyridia filamentosa (Wulfen) Harvey

Former name: *Stenogrammes interrupta* (C. Agardh) Montagne sensu Abbott & Hellwinkel 1976
Former name: *Stenogrammes californica* Harvey

Le Gall, L. & Saunders, G.W. 2010. DNA barcoding is a powerful tool to uncover algal diversity: a case study of the Phyllophoraceae (Gigartinales, Rhodophyta) in the Canadian Arctic. Journal of Phycology 46: 774–789.

Stylonema alsidii (Zanardini) K.M. Drew

Stylonema cornu ceri Reinsch

**Symphytocladia cocalica* (Kylin) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.
Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

**Symphytocladia cocalica* var. *G.W.Saunders* D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.
Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

**Symphytocladia halleri* (Harvey) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.
Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

**Symphytocladia halleriana* (Harvey) D. Bustamante, B.Y. Won, S.C. Lindstrom & T.O. Cho

Bustamante, D.E., Won, B.Y., Lindstrom, S.C. & Cho, T.O. 2019. The new genus Symphytocladiella gen. nov. (Ceramiales, Rhodophyta) based on S. halleriana comb. nov. from the Pacific Ocean. Phycologia 58(1): 9–17.
Savoie, A.M. & Saunders, G.W. 2016. A molecular phylogenetic and DNA barcode assessment of the tribe Pterosiphoneae (Ceramiales, Rhodophyta) emphasizing the Northeast Pacific. Botany 94: 517–539.

Former name: *Tenarea asymptotica* (Foslie) W.R. Adey
Current name: *Lithophyllum asymptoticum* (Foslie) Athanasiadis

Former name: *Lithophyllum pentadactylum* (Lamarck) Nägeli in C. Nägeli & C. Cramer

Van der Meer, E. & G.W. Maxwell 2010. A modern account of the South African non-geniculate Lithophyllaceae (Corallinales, Corallinophycidae, Rhodophyta). South African Journal of Botany 101: 247–267.
Woelkerling, W.J. & Campbell, S.J. 1992. An account of the southern Australian species of Lithophyllum (Corallinaceae, Rhodophyta). Bulletin of the British Museum (Natural History) Botany 22: 1–107.

Former name: *Tenarea dispar* (Foslie) Foslie
Current name: *Lithophyllum dispar* (Foslie) Foslie

Former name: *Tiffaniella physoclinium* (W.R. Taylor) Gordon
Current name: *Tiffaniella physoclinium* (W.R. Taylor) Gordon

Tiffaniella snyderae (Farlow) I.A. Abbott

Former name: *Trailliella intricata* Batters
Current name: *Nemastomatales californica* Bailham

Velonia ophiolita E.Y. Dawson

Weeksia digitata I.A. Abbott

Weeksia howellii Setchell & N.L. Gardner

Weeksia reticulata Setchell

Westiella tenpiniteri Setchell & N.L. Gardner

Former name: *Yamadaia amsterica* E.Y. Dawson & R.L. Steele
Current name: *Chalcosyrinx amsterica* (E.Y. Dawson & R.L. Steele) P.T. Martone, S.C. Lindstrom, A.S. Miller & P.W. Gabrielson

Martone, P.T., Lindstrom, S.C., Miller, A.S. & Gabrielson, P.W. 2012. Chilnaria and Yamadaia (Corallinales, Rhodophyta) represent reduced and recently derived articulated coralline morphologies. Phycologia 48: 889–898.

Former name: *Yamadaia mediterranea* Segarra sensu Abbott & Hellwinkel 1976 (not in California)

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Dawson, E.Y. & Steele, R.L. 1964. An eastern Pacific member of Yamadaia (Corallinaceae) from the San Juan Islands, Washington. Nova Hedwigia 8: 1–

Garbary, D.J., Johansen, H.W. & Scagel, R.F. 1981. Aspects of the morphology, ultrastructure and distribution of the two species of Yamadaia Segarra (Corallinaceae, Rhodophyta). Nova Hedwigia 35: 1–

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