

Lichens from Brazil: a checklist of lichenized fungi from Acre, in the Amazon

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ABSTRACT—A checklist is presented with the 304 lichen species currently known from the state of Acre. Of these, 247 are corticolous species, 59 foliicolous species, and three (*Coenogonium confervoides*, *Echinoplaca pellicula*, and *Porina imitatrix*) grow on both substrata. All but 12 species are new reports based on identifications of material from our 2019 field trip to the Reserva Extrativista Cazumbá-Iracema near Sena Madureira. Additionally, 20 species are new records for Brazil, and two for the Neotropics.

KEY WORDS—biodiversity, *Graphis*, lichenized fungi, *Ocellularia*, *Pyrenula*, tropical rain forest

Introduction

Lichens are an important part of the biodiversity of tropical rain forest areas. However, the exploration of this diversity in the Amazon has only started in earnest in this century. The states of Rondônia, Amazonas, Amapá, Pará and Tocantins were only recently investigated by several lichenological expeditions (e.g. Aptroot & Cáceres 2016b, 2017; Aptroot et al. 2017; Cáceres & Aptroot 2017). Generally, several hundred different specimens were identified to species level, while others were described as new to science. Many others, however, were only partly identified (mainly Arthoniaceae and Ramalinaceae) and left for further study.

The state of Acre is located in Southwestern Amazonia on the frontier with Bolivia and Peru (Medeiros et al. 2014). With 163000 km², Acre is not a small state. Historically, it belonged to Bolivia, and also, it was an independent country for a short while, but now belongs to Brazil. It is far from any ocean, but fully lowland. The state of Acre represents an important component of Amazonian white-sand flora, that is characterized by nine different white-sand formations having a distinct physiognomies and floristic composition varying between 20-m tall trees to shrubs and smalls trees to 5-m tall, being established by the variations of soil nutrients, microtopography and inundations (Daly et al. 2016). In fact, almost 90% of the state of Acre remains forested (Medeiros et al. 2014), except for a narrow strip along the only main road, and much is protected to some extent under various types of protected areas, such as National Parks or National Forests, Reservas Extrativistas (an extractive reserve that employs sustainable use in protected areas in Brazil), and RPPNs (Reserva Particular do Patrimônio Natural, which are privately owned areas that may be used for research and education. For this work, we investigated one of those protected areas, the Reserva Extrativista Cazumbá-Iracema, which is a protected area of Open Ombrophilous Forest located in the western Amazon (ICMBIO, 2007).

Until 2019, only 12 lichen species had been reported to Acre; and those reports are given below in **bold**. The results of the identifications of our collections can serve as a baseline checklist of the lichens of Acre.

The lichen flora from Acre is typical to that found in other localities in the Amazon forest. Relatively many *Pyrenula* species were found, and relatively few *Astrothelium* species as compared to e.g., Amazonas. A more detailed comparison is in preparation.

All in all, 304 lichen species are now known from Acre, 247 corticolous species, and 59 foliicolous species, with two species growing on both substrata. All but 12 are new records, reported here for Acre for the first time. There are also 20 new records for Brazil and two for the Neotropics.

Material and methods

From 9 to 12 April 2019, a small party of lichenologists consisting of the authors of this paper, assisted by the mycologist Angelina Meiras Ottoni, who was responsible for most of the practical organization, visited the state of Acre. All our collections are from a few different collecting localities near Sena Madureira. The precise localities are not given, as they were all less than 10 km apart, and all part of one reserve, Reserva extrativista Cazumbá-Iracema (9°07'S 68°59'W). Our collecting localities were around 150-180 m alt. If just one or more numbers are given, they are ISE numbers from our collections, preserved in ISE, which is where all specimens are kept; duplicates of the corticolous species are also in ABL. Two separate lists are given: corticolous and foliicolous species, although three species occur in both substrata, viz. *Coenogonium confervoides*, *Echinoplaca pellicula*, and *Porina imitatrix*. Full references are given for the known distribution of the species in Brazil.

Corticolous species (growing on bark, 249 species):

Acanthotrema brasilianum (Hale) Frisch, Bibliotheca Lichenol. 92: 78 (2006)

≡ *Thelotrema brasilianum* Hale [as '*brasiliانا*'], in Kalb 1983

Distribution in Brazil: AM (Staiger & Kalb 1999); MG (Aptroot 2002); BA (Frisch 2006); MT (Frisch 2006); SE (Cáceres 2007); RO (Cáceres et al. 2014a); SP (Menezes et al. 2018).

Geographical record: New to Acre.

Examined material: ISE (50351 & 50603).

Allographa acharii (Fée) Lücking & Kalb, in Kalb, Lücking & Kalb, Phytotaxa 377(1): 15 (2018)

≡ *Graphis acharii* Fée 1825

Distribution in Brazil: MG, RJ, SP (Staiger 2002); SC (Müller 1895); MT (Redinger 1934); RS (Spielmann 2006); PE (Cáceres 2007); PR (Dal-Forno 2009); CE (Menezes 2013); RO, SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Cáceres et al. 2016).

Geographical record: new to Acre.

Examined material: ISE (50237)

Allographa balbisii (Fée) Lücking & Kalb, Herzogia 31(1, Teil 2): 547 (2018)

≡ *Graphis balbisii* Fée 1825

Distribution in Brazil: RJ (Krempelhuber 1876); RS (Käffer et al. 2015a); SE (Cáceres et al. 2014b); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50483).

Allographa chrysocarpa (Raddi) Lücking & Kalb, Herzogia 31(1, Teil 2): 548 (2018)

≡ *Opegrapha chrysocarpa* Raddi 1820

Distribution in Brazil: RJ, SP (Staiger 2002); AM, PA (Müller 1888); SC (Müller 1891a); MT (Redinger 1934); RS (Spielmann 2006); PE (Cáceres 2007); SE (Cáceres et al. 2014b); BA, PR (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50218).

Allographa laubertiana (Fée) Lücking & Kalb, *Herzogia* 31(1, Teil 2): 552 (2018)

≡ *Graphis laubertiana* Fée 1825

Distribution in Brazil: CE (Menezes 2013); RJ (Krempelhuber 1876).

Geographical record: new to Acre.

Examined material: ISE (48948, 50039, 50040, 50041, 50045, 50056, 50063, 50157 & 50177).

Allographa vestitoides (Fink) Lücking & Kalb, in Kalb, Lücking & Kalb, *Phytotaxa* 377(1): 27 (2018)

≡ *Graphina vestitoides* Fink 1927

Distribution in Brazil: MT, PR, SP (Staiger 2002); PE (Cáceres 2007); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50005).

Amandinea efflorescens (Müll. Arg.) Marbach, *Bibliotheca Lichenol.* 74: 61 (2000)

≡ *Buellia efflorescens* Müll. Arg. 1893

Distribution in Brazil: PE (Lima 2013); CE (Cáceres et al. 2017).

Geographical record: New to Acre.

Examined material: ISE (50188).

Ampliotrema amplius (Nyl.) Kalb, in Frisch, *Bibliotheca Lichenol.* 92: 81 (2006)

≡ *Thelotrema cavatum* var. *amplius* Nyl. 1867

Distribution in Brazil: AM, MT, SP (Kalb (2004); PE (Cáceres 2007); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50421 & 50570).

Anomomorpha aggregans (Nyl.) Staiger, *Bibliotheca Lichenol.* 85: 91 (2002)

≡ *Graphis aggregans* Nyl. 1867

Distribution in Brazil: PE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (50378)

Anthracothecium prasinum (Eschw.) R.C. Harris, in Egan, *Bryologist* 90(2): 163 (1987)

≡ *Verrucaria prasina* Eschw., in Martius 1833

Distribution in Brazil: PA, RN (Aptroot 1991); MG (Aptroot 2002); SE (Cáceres et al. 2014b); SP (Malme 1929).

Geographical record: new to Acre.

Examined material: ISE (48973, 48974, 48975, 50106, 50206, 50404 & 50575).

Arthonia antillarum (Fée) Nyl., *Flora, Regensburg* 50: 7 (1867)

≡ *Coniocarpon antillarum* Fée 1837

Distribution in Brazil: PB (Xavier-Leite 2013 & Xavier-Leite et al. 2015); RJ (Vainio 1890); MG (Aptroot 2002); PE (Lima 2013); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017); CE (Cáceres et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50293).

Arthonia meissneri Müll. Arg., Mém. Soc. Phys. Hist. nat. Genève 29(no. 8): 54 (1887)

Distribution in Brazil: AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50422).

Arthonia parantillarum Aptroot, in Aptroot & Sparrius, Fungal Diversity 14: 3 (2003)

Distribution in Brazil: PB (Xavier-Leite 2013 & Xavier-Leite et al. 2015); RO Cáceres et al. 2014c);

SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50623).

Astrochapsa astroidea (Berk. & Broome) Parmen, Lücking & Lumbsch, PLoS ONE 7(12): e51392, 8 (2012)

≡ *Platygrapha astroidea* Berk. & Broome 1873

Distribution in Brazil: SE (Cáceres 2007); PE (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50507 & 50553).

Astrothelium aeneum (Eschw.) Aptroot & Lücking, Lichenologist 48(6): 821 (2016)

≡ *Verrucaria aenea* Eschw., in Martius 1834

Distribution in Brazil: AM, BA, MT, MS (Harris 1986); RJ (Krempelhuber 1876); PA (Müller 1884b); MG (Malme 1924); SP (Kalb 1982c); AL (Cáceres 2007); CE (Menezes 2013); PE (Lima 2013); RO, SE (Cáceres et al. 2014b); PB (Xavier-Leite 2013 & Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); MA, TO (Aptroot et al. 2017); PR, SC (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48933).

Astrothelium auratum (R.C. Harris) Aptroot & Lücking, Lichenologist 48(6): 839 (2016)

– **Harris (1986, as *Laurera aurata*)**

≡ *Laurera aurata* R.C. Harris 1986

Distribution in Brazil: AC (Harris 1986); SE (Cáceres et al. 2014b).

Astrothelium cinereum (Müll. Arg.) Aptroot & Lücking, Lichenologist 48(6): 854 (2016)

≡ *Heufleria praetervisa* var. *cinerea* Müll. Arg. 1885

Geographical record: new to Brazil.

Examined material: ISE (50596 & 50600).

Astrothelium cinnamomeum (Eschw.) Müll. Arg., Flora, Regensburg 67(35): 670 (1884)

- **Harris (1986)**

≡ *Pyrenastrum cinnamomeum* Eschw., in Martius 1834

Distribution in Brazil: AC, AM, BA (Harris 1986); MG (Aptroot 2002); PE (Cáceres 2007); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA, PA, TO (Aptroot et al. 2017); PB, SC (Menezes et al. 2018).

Examined material: ISE (50228, 50239, 50439, 50560, 50616 & 50617).

Astrothelium consimile (Müll. Arg.) Aptroot & Lücking, Lichenologist 48(6): 855 (2016)

≡ *Heufleria consimilis* Müll. Arg. 1885
 Distribution in Brazil: RO (Cáceres et al. 2014b).
 Geographical record: new to Acre.
 Examined material: ISE (50621).

Astrothelium eustomum (Mont.) Müll. Arg., Flora, Regensburg 68(12): 247 (1885)
 – Harris (1986)

≡ *Pyrenastrum eustomum* Mont. 1843
 Distribution in Brazil: AC, MT (Harris 1986); SE (Cáceres 2007); RO (Cáceres et al. 2014b); TO (Aptroot et al. 2017); BA, PB, PE (Menezes et al. 2018).

Astrothelium eustomurale Aptroot & M. Cáceres, Lichenologist 48(6): 698 (2016)
 Distribution in Brazil: AP (Cáceres & Aptroot 2016); RO (Aptroot & M. Cáceres 2016b); AM (Cáceres & Aptroot 2017).
 Geographical record: new to Acre.
 Examined material: ISE (50227 & 50238).

Astrothelium inspersaeneum E.L. Lima, Aptroot & M. Cáceres, in Leandro de Lima, Costa Maia, Aptroot & Eugenia da Silva Cáceres, Bryologist 116(4): 327 (2013)
 Distribution in Brazil: PE Lima et al. 2013a); CE (Alves 2014); RO, SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); MA (Aptroot et al. 2017); PB (Menezes et al. 2018); BA (Aptroot & Cáceres 2018).
 Geographical record: new to Acre.
 Examined material: ISE (50213 & 50304).

Astrothelium inspersotuberculosis Flakus & Aptroot, in Flakus, Kukwa & Aptroot, Lichenologist 48(6): 667 (2016)
 Geographical record: new to Brazil.
 Examined material: ISE (50423).

Astrothelium kunzei (Fée) Aptroot & Lücking, Lichenologist 48(6): 865 (2016)
 ≡ *Trypethelium kunzei* Fée 1831
 Distribution in Brazil: MA, PA (Aptroot et al. 2017); AM (Cáceres & Aptroot 2017).
 Geographical record: new to Acre.
 Examined material: ISE (50232 & 50249).

Astrothelium leucothelium Nyl., Annls Sci. Nat., Bot., sér. 5 7: 348 (1867)
 Geographical record: new to Brazil.
 Examined material: ISE (50168).

Astrothelium macrocarpum (Fée) Aptroot & Lücking, Lichenologist 48(6): 867 (2016)
 ≡ *Porina macrocarpa* Fée 1825
 Distribution in Brazil: AM, PA (Harris 1986); MG (Vainio 1890); GO (Müller 1895); RO, SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); PB, RS (Menezes et al. 2018); BA (Aptroot & Cáceres 2018).
 Geographical record: new to Acre.
 Examined material: ISE (50201 & 50226).

Astrothelium mesoduplex Aptroot & M. Cáceres, *Lichenologist* 48(6): 702 (2016)

Distribution in Brazil: RO (Aptroot & M. Cáceres 2016b); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50434).

Astrothelium nigricans Malme, *Ark. Bot.* 19(no. 1): 13 (1924)

Distribution in Brazil: MT (Malme 1924); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50551, 50554, 50555 & 50585).

Astrothelium ochrothelium (Nyl.) Müll. Arg., *Flora, Regensburg* 68(12): 255 (1885)

≡ *Trypethelium ochrothelium* Nyl. 1863

Distribution in Brazil: AM (Harris 1986); RO, SE (Cáceres et al. 2014b); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50435 & 50436).

Astrothelium phlyctaena (Fée) Aptroot & Lücking, *Lichenologist* 48(6): 877 (2016)

≡ *Trypethelium phlyctaena* Fée 1825

Distribution in Brazil: RJ (Aptroot & Lücking 2016); AM, PA (Leighton 1866); AP (Cáceres & Aptroot 2016); MA (Aptroot et al. 2017); PB, PE, AL, SE, BA, MG, PR, SC, RS (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50294).

Astrothelium robustum Müll. Arg., *Bull. Soc. R. Bot. Belg.* 32(2): 164 (1894) [1893]

Distribution in Brazil: AM (Zahlbruckner 1909).

Geographical record: new to Acre.

Examined material: ISE (50258).

Astrothelium rubrocrystallinum Aptroot & M. Cáceres, in Aptroot, Mendonça, Andrade, Silva, Martins, Gumboski, Fraga Junior & Cáceres, *Lichenologist* 48(6): 719 (2016)

Distribution in Brazil: SE (Aptroot et al. 2016); AP (Cáceres & Aptroot 2016); BA (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50282).

Astrothelium rufescens (Müll. Arg.) Aptroot & Lücking, *Lichenologist* 48(6): 883 (2016)

≡ *Trypethelium catervarium* var. *rufescens* Müll. Arg. 1885

Distribution in Brazil: AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA, TO (Aptroot et al. 2017); PB (Menezes et al. 2018); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50015, 50253 & 50288).

Astrothelium scorioides Nyl., *Annl. Sci. Nat., Bot., sér. 5* 7: 348 (1867)

Distribution in Brazil: PE (Cáceres 2007); AM (Cáceres & Aptroot 2017); RO, SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50241).

Astrothelium sepultum Mont., Ann. Sci. Nat., Bot. 2 19: 74. 1843

Distribution in Brazil: MG (Aptroot 2002); SE (Cáceres 2007); RJ (Vainio 1890).

Geographical record: new to Acre.

Examined material: ISE (50580).

Astrothelium subinterjectum Lücking, M.P. Nelsen & Jungbluth, in Lücking, Nelsen, Aptroot, Benatti, Binh, Gueidan, Gutiérrez, Jungbluth, Lumbsch, Marcelli, Moncada, Naksuwankul, Orozco, Salazar-Allen & Upreti, Lichenologist 48(6): 654 (2016)

Distribution in Brazil: SP (Lücking et al. 2016).

Geographical record: new to Acre.

Examined material: ISE (50189).

Astrothelium testudineum Aptroot & M. Cáceres, Lichenologist 48(6): 710 (2016)

Distribution in Brazil: RO (Aptroot & M. Cáceres 2016b).

Geographical record: new to Acre.

Examined material: ISE (50009 & 50010).

Astrothelium tuberculosum (Vain.) Aptroot & Lücking, Lichenologist 48(6): 893 (2016)

≡ *Pseudopyrenula annularis* var. *tuberculosa* Vain. 1915

Distribution in Brazil: AM (Harris 1986); SE (Cáceres et al. 2014b); SP (Aptroot & Lücking 2016).

Geographical record: new to Acre.

Examined material: ISE (50230).

Bacidiopsora silvicola (Malme) Kalb, Bibliotheca Lichenol. 88: 305 (2004)

≡ *Bacidia silvicola* Malme 1935

Distribution in Brazil: MT, SP (Kalb 2004); AM (Cáceres & Aptroot 2017); RS (Käffer et al. 2015a); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50388 & 50424).

Bathelium madreporiforme (Eschw.) Trevis., Spighe Paglie: 20 (1852)

≡ *Trypethelium madreporiforme* Eschw. 1824

Distribution in Brazil: BA, MT, PA (Harris 1986); RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA, TO (Aptroot et al. 2017); CE (Menezes 2013); PB, SP (Menezes et al. 2018); PE (Lima 2013); AL (Cáceres 2007); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50374).

Biatora kalbii (Brako) S.Y. Kondr., in Kondratyuk, Lökös, Farkas, Jang, Liu, Halda, Persson, Hansson, Kärnefelt, Thell & Hur, Acta bot. hung. 61(3-4): 300 (2019)

≡ *Phyllopsora kalbii* Brako 1991

Distribution in Brazil: MS, MT (Brako 1991); SE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (50182).

Bogoriella megaspora (Aptroot & M. Cáceres) Aptroot & Lücking, *Lichenologist* 48(6): 912 (2016)
 ≡ *Mycomicrothelia megaspora* Aptroot & M. Cáceres, (2013)
 Distribution in Brazil: RO (Aptroot & Cáceres 2013).
 Geographical record: new to Acre.
 Examined material: ISE (50247, 50273 & 50281).

Bulbothrix tabacina (Mont. & Bosch) Hale, *Phytologia* 28(5): 481 (1974)
 ≡ *Parmelia tabacina* Mont. & Bosch 1856
 Distribution in Brazil: SP (Marcelli 1991); MG (Aptroot 2002); RS (Spielmann 2006); SE (Cáceres et al. 2014b).
 Geographical record: new to Acre.
 Examined material: ISE (50270).

Calicium salicinum Pers., *Ann. Bot. (Usteri)* 7: 20 (1794)
 Distribution in Brazil: GO, MG, MS, MT, RS, SP (Tibell 1996).
 Geographical record: new to Acre.
 Examined material: ISE (50623 & 50623).

Calopadia perpallida (Nyl.) Vězda, *Folia geobot. phytotax.* 21(2): 215 (1986)
 ≡ *Lecidea perpallida* Nyl. 1863
 Distribution in Brazil: MT, PE, SP, SC, RJ (Lücking 2008); PA (Kalb & Vězda 1987); RS (Spielmann 2006); RO (Aptroot & Cáceres 2014d).
 Geographical record: new to Acre.
 Examined material: ISE (50190, 50200, 50203 & 50250).

Calopadia puiggarii (Müll. Arg.) Vězda, *Folia geobot. phytotax.* 21(2): 215 (1986)
 ≡ *Heterothecium puiggarii* Müll. Arg. 1881
 Distribution in Brazil: MG, PE, PR, SP, SC, RJ, RS (Lücking 2008); MT (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); SE, BA (Santos et al. 2016c).
 Geographical record: new to Acre.
 Examined material: ISE (50036 & 50252).

Carbacanthographis stictica Staiger & Kalb, in Staiger, *Bibliotheca Lichenol.* 85: 111 (2002)
 Distribution in Brazil: AM (Staiger 2002); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA, TO (Aptroot et al. 2017).
 Geographical record: new to Acre.
 Examined material: ISE (50566).

Carbacanthographis subalbotecta Staiger & Kalb, in Staiger, *Bibliotheca Lichenol.* 85: 112 (2002)
 Distribution in Brazil: MT (Staiger 2002); RO (Cáceres et al. 2014a); AP (Cáceres & Aptroot 2016); PB (Menezes et al. 2018).
 Geographical record: new to Acre.
 Examined material: ISE (50332).

Chapsa alborosella (Nyl.) Frisch, *Bibliotheca Lichenol.* 92: 90 (2006)
 ≡ *Graphis alborosella* Nyl. 1863

Distribution in Brazil: SP (Marcelli 1992); RJ (Krempelhuber 1876); AM (Obermayer 2007); AL (Cáceres 2007); AP (Cáceres & Aptroot 2016); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50563).

Chapsa defectosorediata Lücking, in Sipman, Lücking, Aptroot, Chaves, Kalb & Umaña Tenorio, *Phytotaxa* 55: 33 (2012)

Geographical record: new to South America.

Examined material: ISE (50448).

Chapsa discooides (Stirt.) Lücking, in Sipman, Lücking, Aptroot, Chaves, Kalb & Umaña Tenorio, *Phytotaxa* 55: 35 (2012)

≡ *Graphis discooides* Stirt. 1881

Distribution in Brazil: PE (Cáceres 2007); SE (Rodrigues 2012).

Geographical record: new to Acre.

Examined material: ISE (50462).

Chapsa sublilacina (Ellis & Everh.) M. Cáceres & Lücking, in Cáceres, *Libri Botanici* 22: 54 (2007)

≡ *Karstenia sublilacina* Ellis & Everh. 1896

Distribution in Brazil: PE, SE (Cáceres 2007); AP (Cáceres & Aptroot 2016); BA (Lücking 2015); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50134 & 50137).

Chapsa thalotrema Lücking & N. Salazar, in Lumbsch et al., *Phytotaxa* 18: 39 (2011)

Distribution in Brazil: RO (Cáceres et al. 2014a); CE (Alves 2014); SE (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017); AP (Cáceres & Aptroot 2016); PA (Aptroot et al. 2017); BA (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48977, 50354, 50405 & 50411).

Chiodecton sphaerale Ach., *Syn. meth. lich.* (Lund): 108 (1814)

Distribution in Brazil: MT, RS, RJ, SP (Malme 1937); BA, SC (Thor 1990); MG (Aptroot 2002); CE (Menezes 2013); SE (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50019).

Chrysothrix xanthina (Vain.) Kalb, *Bibliotheca Lichenol.* 78: 144 (2001)

≡ *Lepraria xanthina* Vain., in Hiern 1901

Distribution in Brazil: AL, BA, CE, MS, MT, RS (Kalb 2001); PE (Lima 2013); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA, TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50441).

Cladonia subradiata (Vain.) Sandst., *Abh. naturw. Ver. Bremen* 25: 230 (1922) - **Ahti (2000)**

≡ *Cladonia fimbriata* var. *subradiata* Vain. 1894

Distribution in Brazil: AC, AM, BA, DF, ES, MG, MT, MS, PA, PB, PE, PR, RJ, RO, RR, RS, SE, SP (Ahti 2000); MA (Aptroot et al. 2017).
Examined material: ISE (50219).

Coccocarpia erythroxyli (Spreng.) Swinscow & Krog [as '*erythroxyli*'], Norw. Jl Bot. 23: 254 (1976)
≡ *Lecidea erythroxyli* Spreng. 1820

Distribution in Brazil: AM, BA, MA, MG, MT, PA, PE, RJ, SC, SP (Arvidsson 1982); PR (Osorio 1977a); MS, Osorio (1992); RS (Spielmann 2006); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50216, 50263, 50493 & 50543).

Coenogonium confervoides Nyl., Flora, Regensburg 41: 380 (1858)

Distribution in Brazil: AL (Cáceres 2007); AM (Leighton 1866); AP (Cáceres & Aptroot 2016); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50205).

Coenogonium isidiosum (Breuss) Rivas Plata, Lücking, L. Umaña & Chaves, in Rivas Plata, Lücking, Aptroot, Sipman, Chaves, Umaña & Lizano, Fungal Diversity 23: 297 (2006)
≡ *Dimerella isidiosa* Breuss, (2002)

Distribution in Brazil: SE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (48978).

Coenogonium leprieurii (Mont.) Nyl., Anns Sci. Nat., Bot., sér. 4 16: 89, pl. 12, fig. 15-19 (1862)
≡ *Coenogonium linkii* var. *leprieurii* Mont. 1851

Distribution in Brazil: PE (Lücking 2008); AM (Leighton 1866); SC (Müller 1891a); MG (Vainio 1890); PA (Zahlbruckner 1909a); RJ (Malme 1937); PR (Xavier Filho et al. 1983); MT (Kalb 2001); RS (Spielmann 2006); AL, SE (Cáceres 2007); CE (Alves 2014); RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50363).

Coenogonium linkii Ehrenb., in Nees von Esenbeck (Ed.), Horae Phys. Berol.: 120, tab. 27 (1820)

Distribution in Brazil: AM, PE (Lücking 2008); PA, RJ, SC (Cengia Sambo 1940); SP (Kalb 1982d); MG (Aptroot 2002); RS (Spielmann 2006); AL, SE (Cáceres 2007); RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Santos et al. 2016c); MA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50148).

Coniocarpon cinnabarinum DC., in Lamarck & de Candolle, Fl. franç., Edn 3 (Paris) 2: 323 (1805)

Distribution in Brazil: RJ, SP (Marcelli 1992); PA (Müller 1888); SC (Müller 1895); MG (Aptroot 2002); SE (Cáceres 2007); AL (Menezes et al. 2011); PE (Lima 2013); RO (Cáceres et al. 2014c); MA (Aptroot et al. 2017); CE (Cáceres et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50290 & 50547).

Corticorygma stellatum M. Cáceres, S.C. Feuerst., Aptroot & Lücking, in Cáceres, Aptroot, Parmen & Lücking, *Phytotaxa* 189(1): 92 (2014)

Distribution in Brazil: PR, RO (Cáceres et al. 2014a).

Geographical record: new to Acre.

Examined material: ISE (50362).

Cresponea melanocheiloides (Vain.) Egea & Torrente [as '*melanocheiloides*'], *Mycotaxon* 48: 321 (1993)

≡ *Lecanactis melanocheiloides* Vain. 1929

Distribution in Brazil: BA (Egea & Torrente 1993); AL, RN (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (50140, 50330 & 50552).

Crustospathula amazonica Aptroot, M. Cáceres & Timdal, in Aptroot & Cáceres, *Lichenologist* 46(6): 784 (2014)

Distribution in Brazil: RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50564).

Crypthonia albida (Fée) Frisch & G. Thor, *Mycol. Progr.* 9(2): 290 (2010)

≡ *Hypochnus albidus* Fée 1837

Distribution in Brazil: AL, PE (Aptroot et al. 2009); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50130).

Cryptoschizotrema cryptotrema (Nyl.) Aptroot, Lücking & M. Cáceres, in Hyde et al., *Fungal Diversity* 10: 10.1007/s13225-019-00429-2, [129] (2019)

Distribution in Brazil: RJ (Redinger 1936); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50246).

Cryptothecia aleurocarpa (Nyl.) Makhija & Patw., *Biovigyanam* 11(1): 3 (1985)

≡ *Arthonia aleurocarpa* Nyl. 1867

Distribution in Brazil: MG (Vainio 1890).

Geographical record: new to Acre.

Examined material: ISE (50038).

Cryptothecia fabispora M. Cáceres, E.L. Lima & Aptroot, *Lichenologist* 45(3): 362 (2013)

Distribution in Brazil: PA, SE (Lima et al. 2013b); RO (Cáceres et al. 2014c); BA (Cáceres et al. 2016); AM (Cáceres & Aptroot 2017); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50018, 50105 & 50158).

Cryptothecia lichexanthonica E.L. Lima, Aptroot & M. Cáceres, *Lichenologist* 45(3): 362 (2013)

Distribution in Brazil: PE (Lima et al. 2013b); AM (Cáceres & Aptroot 2017); RO (Cáceres et al. 2014c); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.
Examined material: ISE (50240 & 50359).

Dichoporis phaea (Ach.) S.H. Jiang, Lücking & Sérus., in Hongsanan et al., Fungal Diversity: 10.1007/s13225-020-00462-6, [129] (2020)

≡ *Verrucaria phaea* Ach. 1814

Distribution in Brazil: PE, AL (Cáceres 2007); CE (Alves 2014); SE (Cáceres et al. 2014b); PB (Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.
Examined material: ISE (50337 & 50491).

Dichosporidium nigrocinctum (Ehrenb.) G. Thor, Op. bot. 103: 71 (1991)

≡ *Hypochnus nigrocinctus* Ehrenb. 1820

Distribution in Brazil: MG (Aptroot 2002); RJ (Krempelhuber 1876); SP (Kalb 1983b); AL, PE (Cáceres 2007); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.
Examined material: ISE (48937, 50058, 50096, 50102, 50119, 50120, 50312, 50314 & 50536).

Diorygma antillarum (Vain.) Nelsen, Lücking & Rivas Plata, Bryologist 115(2): 318 (2012)

≡ *Chiodecton antillarum* Vain. 1915

Distribution in Brazil: MG, RJ, (Aptroot et al. 2009); RS (Käffer et al. 2015a); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.
Examined material: ISE (50104).

Diorygma confluens (Fée) Kalb, Staiger & Elix, Symb. bot. upsal. 34(no. 1): 146 (2004)

≡ *Arthonia confluens* Fée 1825

Distribution in Brazil: AM, CE, ES, MT, RJ, SP (Kalb et al. 2004); RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot (2016); PA, TO (Aptroot et al. 2017); PE (Menezes et al. 2018).

Geographical record: new to Acre.
Examined material: ISE (48922, 50001, 50002, 50027, 50033, 50178, 50251, 50381, 50505 & 50619).

Diorygma hieroglyphicum (Pers.) Staiger & Kalb, in Kalb et al., Symb. bot. upsal. 34(no. 1): 151 (2004)

≡ *Opegrapha hieroglyphica* Pers. 1811

Distribution in Brazil: RJ (Kalb et al. 2004); MT (Redinger 1934); SP (Kalb 1984); RS (Spielmann (2006); SE (Cáceres 2007); AP (Cáceres & Aptroot (2016); AM (Cáceres & Aptroot 2017); PR (Menezes et al. 2018).

Geographical record: new to Acre.
Examined material: ISE (50279).

Diorygma poitaei (Fée) Kalb, Staiger & Elix, Symb. bot. upsal. 34(no. 1): 164 (2004)

≡ *Graphis poitaei* Fée [as '*Poitaei*'] 1825

Distribution in Brazil: BA, ES, SP, PR (Kalb et al. 2004); AM, PA (Leighton 1866); RJ (Zahlbruckner 1902); MS, MT (Redinger 1934); AL, PE, SE (Cáceres 2007); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); (RO (Cáceres et al. 2014a); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50071).

Dyplolabia afzelii (Ach.) A. Massal., Neogenea Lich.: 6 (1854)

≡ *Graphis afzelii* Ach. 1814

Distribution in Brazil: BA, MS, MT, RJ, SP (Kalb & Staiger 2000); PA (Zahlbruckner 1909a); AL, SE (Cáceres 2007); PR (Dal-Forno 2009); CE (Menezes 2013); PE (Lima 2013); RO (Cáceres et al. 2014a); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); MA, TO (Aptroot et al. 2017); PB, SC (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50262, 50289 & 50620).

Echinoplaca pellicula (Müll. Arg.) R. Sant., Symb. bot. upsal. 12(no. 1): 367 (1952)

≡ *Arthonia pellicula* Müll. Arg. 1883

Distribution in Brazil: MT, PE, RJ (Lücking 2008); SP (Lücking & Kalb 2000).

Geographical record: new to Acre.

Examined material: ISE (50576 & 50584).

Erythrodecton granulatum (Mont.) G. Thor, Op. bot. 103: 76 (1991)

≡ *Sagedia granulata* Mont. 1851

Distribution in Brazil: AM (Thor 1990); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50609).

Eschatogonia minuta Timdal & R. Sant., in Timdal, Lichenologist 40(1): 35 (2008)

Distribution in Brazil: RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50073 & 50103).

Eschatogonia prolifera (Mont.) R. Sant.

≡ *Biatora prolifera* Mont. 1851

Distribution in Brazil: AM (Kalb et al. 2009); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48950, 50530 & 50588).

Fissurina babingtonii Mont., Anns Sci. Nat., Bot., sér. 3 16: 62 (1851)

Geographical record: new to Brazil.

Examined material: ISE (50512, 50571 & 50573).

Fissurina comparilis (Nyl.) Nyl., Lich. Nov. Zeland. (Paris): 125 (1888)

≡ *Graphis comparilis* Nyl. 1868

Distribution in Brazil: PR (Dal-Forno 2009); RO (Cáceres et al. 2014b); SE (Passos et al. 2016).

Geographical record: new to Acre.

Examined material: ISE (50492).

Fissurina dumastii Fée, Essai Crypt. Exot. (Paris): 59 (1825) [1824]

Distribution in Brazil: PE (Lima 2013); SP (Kalb 2001); MT (Staiger 2002); MG (Aptroot 2002); AL (Cáceres 2007); PR (Dal-Forno 2009); SE (Cáceres et al. 2014b); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50067 & 50111).

Fissurina pseudostromatica Lücking & Rivas Plata, Bull. Florida Mus. Nat. Hist. 49(4): 145 (2011)

Distribution in Brazil: CE (Menezes 2013); PB (Xavier-Leite 2013; Xavier-Leite et al. (2015); PE (Lima 2013); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA, PA, TO (Aptroot et al. 2017); RS (Menezes et al. (2018); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50070, 50097, 50160, 50244, 50278 & 50515).

Fissurina radiata Mont., Anns Sci. Nat., Bot., sér. 2 18: 280 (1842)

Distribution in Brazil: CE (Menezes 2013); AL, PE (Cáceres 2007); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50390).

Fissurina scolecitis (Tuck.) Lendemer, Opuscula Philolichenum 4: 80 (2007)

≡ *Graphis scolecitis* Tuck. 1872

Geographical record: new to the Neotropics.

Examined material: ISE (48947).

Flabelloporina squamulifera (Breuss, Lücking & Navarro) Sobreira, M. Cáceres & Lücking, Phytotaxa 358(1): 72 (2018)

≡ *Porina squamulifera* Breuss, Lücking & E. Navarro, (2013)

Distribution in Brazil: ES (Sobreira et al. 2018)

Geographical record: new to Acre.

Examined material: ISE (50088, 50193 & 50318).

Gassicurtia coccinea Fée, Essai Crypt. Exot. (Paris): 100 (1825) [1824]

Distribution in Brazil: MA, MT, MG, SP (Marbach 2000); RS (Spielmann 2006); CE (Menezes 2013); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014); AM (Cáceres & Aptroot 2017); MA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50356).

Glaucotrema glaucophaenum (Kremp.) Rivas Plata & Lumbsch, in Rivas Plata, Lücking & Lumbsch, Taxon 61(6): 1175 (2012)

≡ *Thelotrema glaucophaenum* Kremp. 1875

Distribution in Brazil: MT, SP (Frisch 2006); SE (Cáceres 2007); RO (Cáceres et al. 2014a); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50343, 50454 & 50529).

Glyphis cicatricosa Ach., Syn. meth. lich. (Lund): 107 (1814) var. *cicatricosa*

Distribution in Brazil: BA, MG, MT, RS (Redinger 1933); SC (Müller 1891b); RJ (Vainio 1890); MS (Kalb 1982b); SP (Staiger 2002); SE (Cáceres 2007); AL (Menezes et al. 2011); CE (Menezes 2013); PE (Lima 2013); RO (Cáceres et al. 2014a); AP (Cáceres & Aptroot 2016); MA, TO (Aptroot et al. 2017); PB, PR (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50271).

Graphis aurita Eschw., in Martius, Fl. bras. enum. pl. 1(1): 90 (1833)

Distribution in Brazil: CE (Menezes 2013); PA (Müller 1888); MS, MT (Redinger 1935); SE (Cáceres et al. 2014b); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48930, 50035 & 50198).

Graphis caesiella Vain., Acta Soc. Fauna Flora fenn. 7(no. 2): 122 (1890)

Distribution in Brazil: PE, RJ (Staiger 2002); MG (Aptroot 2002); AL (Cáceres 2007); RS (Käffer et al. 2011); RO, SE (Cáceres et al. 2014b); MA, TO (Aptroot et al. 2017); PR, SP (Menezes et al. 2018); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50221 & 50264).

Graphis caesiocarpa Redinger, Ark. Bot. 27A (no. 3): 23 (1935)

Distribution in Brazil: MT (Redinger 1935); RS (Käffer et al. 2011).

Geographical record: new to Acre.

Examined material: ISE (50437).

Graphis dracaenae Vain., in Hiern, Cat. Welwitsch Afric. Pl. 2(2): 439 (1901)

Distribution in Brazil: MG (Redinger 1935); PE (Cáceres 2007); RS (Käffer et al. 2011); SE (Cáceres et al. 2014b); PB, PR (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50265).

Graphis evirescens (Redinger) Lücking, in Lücking, Archer & Aptroot, Lichenologist 41(4): 436 (2009)

≡ *Graphina evirescens* Redinger 1933

Distribution in Brazil: SP (Redinger 1934).

Geographical record: new to Acre.

Examined material: ISE (50267).

Graphis glaucescens Fée, Essai Crypt. Exot. (Paris): 36, tab. VIII, fig. 3 (1825) [1824]

Distribution in Brazil: CE (Menezes 2013); MG, RJ (Vainio 1890); PA (Zahlbruckner 1909a); BA (Redinger 1935); SP (Marcelli 1992); MT (Staiger 2002); AL, RN (Cáceres 2007); SE (Rodrigues 2012); PE (Lima 2013); RO (Cáceres et al. 2014a); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); MA, TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48935, 50167, 50229, 50268, 50498, 50514 & 50516).

Graphis implicata Fée, Bull. Soc. bot. Fr. 21: 27 (1874)

Distribution in Brazil: RJ (Staiger 2002); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50442).

Graphis librata C. Knight, Trans. Proc. N.Z. Inst. 16: 404 (1884) [1883]

Distribution in Brazil: RS (Käffer et al. 2011); RJ (Staiger 2002); PE (Cáceres 2007); PR (Dal-Forno 2009); AL (Menezes et al. 2011); SE (Rodrigues 2012); MA (Aptroot et al. 2017); PB, SP (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50283).

Graphis paralleloides M. Cáceres & Lücking, in Lücking, Archer & Aptroot, Lichenologist 41(4): 440 (2009)

≡ *Graphis rimulosa* var. *parallela* Müll. Arg. 1882

Distribution in Brazil: PE (Lima 2013).

Geographical record: new to Acre.

Examined material: ISE (50292).

Herpothallon aurantiacoflavum (B. de Lesd.) Aptroot, Lücking & G. Thor, in Aptroot, Thor, Lücking, Elix & Chaves, Bibliotheca Lichenol. 99: 31 (2009)

≡ *Chiodecton aurantiacoflavum* B. de Lesd. 1934

Distribution in Brazil: PE (Aptroot et al. 2009); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Cáceres et al. (2016)); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50494).

Herpothallon pustulatum G. Thor, in Aptroot, Thor, Lücking, Elix & Chaves, Bibliotheca Lichenol. 99: 57 (2009)

Distribution in Brazil: MG (Aptroot et al. 2009).

Geographical record: new to Acre.

Examined material: ISE (50578 & 50590).

Herpothallon tricolor Aptroot & M. Cáceres, in Aptroot, Gumboski & Cáceres, Cryptog. Mycol. 38(2): 279 (2017)

Distribution in Brazil: SC (Aptroot & Cáceres 2017c).

Geographical record: new to Acre.

Examined material: ISE (48939).

Heterocyphelium triseptatum Aptroot & M. Cáceres, in Aptroot, Feuerstein, Cunha-Dias, Nunes, Honorato & Cáceres, Bryologist 120(3): 327 (2017)

Distribution in Brazil: TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50449).

Leptogium austroamericanum (Malme) C.W. Dodge, Ann. Mo. bot. Gdn 20: 419 (1933)

≡ *Leptogium cyanescens* var. *austroamericanum* Malme 1924

Distribution in Brazil: BA, RJ, SC, SP (Marcelli 1992); PA (Brako et al. 1985); MG (Aptroot 2002); AL (Pereira et al. 2005); RS (Spielmann 2006); SE (Santos et al. 2016b); TO (Aptroot et al. 2017); MS (Torres 2018).

Geographical record: new to Acre.

Examined material: ISE (48987 & 50146).

Leptogium corticola (Taylor) Tuck., in Lea, Cat. Pl. Cincinnati: 47 (1849)

≡ *Collema corticola* Taylor 1847

Distribution in Brazil: SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); RS (Kitaura et al. 2019).

Geographical record: new to Acre.

Examined material: ISE (50540).

Leptogium cyanescens (Ach.) Körb., Syst. lich. germ. (Breslau): 420 (1855)

≡ *Collema tremelloides* var. *cyanescens* Ach. 1814

Distribution in Brazil: MG (Aptroot 2002); RJ (Vainio 1890); PR (Osorio 1977b); RS (Spielmann 2006); SE (Cáceres et al. 2014b); AL, PE (Nusbaumer et al. 2015); CE (Cáceres et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48985, 48990, 50290, 50327, 50539 & 50549).

Leptogium phyllocarpum (Pers.) Mont., Anns. Sci. Nat., Bot., sér. 3 10: 134 (1848) var.

phyllocarpum

≡ *Collema phyllocarpum* Pers., in Gaudichaud-Beaupré in Freycinet 1827

Distribution in Brazil: RJ, SP, SC (Marcelli 1992); MG, MS (Malme 1924); MT (Malme 1924); PR (Osorio 1977b); MS (Osorio 1992); BA (Marcelli 1992); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50162).

Letrouitia domingensis (Pers.) Hafellner & Bellem., Nova Hedwigia 35(2 & 3): 281 (1982) [1981]

≡ *Patellaria domingensis* Pers. 1810

Distribution in Brazil: BA, ES, MG, MS, MT, RJ, SC, SP, RS (Hafellner 1981); AL, PE, SE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (48980).

Letrouitia subvulpina (Nyl.) Hafellner, Nova Hedwigia 35(4): 705 (1983) [1981]

≡ *Lecidea subvulpina* Nyl. 1868

Distribution in Brazil: MT (Malme 1937); AL, PE (Cáceres 2007); RO (Aptroot & Cáceres 2014); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50207).

Letrouitia vulpina (Tuck.) Hafellner & Bellem., Nova Hedwigia 35(2 & 3): 281 (1982) [1981]

≡ *Lecidea vulpina* Tuck., in Nylander 1863

Distribution in Brazil: MT, PA, SP (Hafellner 1981); AL, PE, RN (Cáceres 2007); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50049).

Lithothelium obtectum (Müll. Arg.) Aptroot, *Bibliothca Lichenol.* 44: 62 (1991)

≡ *Sagedia obtecta* Müll. Arg. 1880

Distribution in Brazil: AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50085, 50145, 50299 & 50322).

Macroconstrictolumina megalateralis Aptroot & Lücking ined.

Distribution in Brazil: MS (Aptroot & Spielmann 2020).

Geographical record: new to Acre.

Examined material: ISE (50171).

Malmidea ceylanica (Zahlbr.) Kalb, Rivas Plata & Lumbsch [as 'ceylonica'], in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliothca Lichenol.* 106: 164 (2011)

≡ *Lecanora ceylanica* Zahlbr. 1928

Distribution in Brazil: RO, SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (48968).

Malmidea flavopustulosa (M. Cáceres & Lücking) M. Cáceres & Kalb, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliothca Lichenol.* 106: 165 (2011)

≡ *Malcolmiella flavopustulosa* M. Cáceres & Lücking, in Cáceres, (2007)

Distribution in Brazil: AI, PE (Cáceres 2007); CE (Alves 2014); RS (Käffer et al. 2015a); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50093 & 50430).

Malmidea leptoloma (Müll. Arg.) Kalb & Lücking, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliothca Lichenol.* 106: 165 (2011)

≡ *Lecidea leptoloma* Müll. Arg. 1881

Distribution in Brazil: PE (Lima 2013); RS (Malme 1936); AL, SE (Cáceres 2007); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); (CE Alves 2014); RO (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50500 & 50537).

Malmidea perisidiata (Malme) Kalb & Lücking, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliothca Lichenol.* 106: 165 (2011)

≡ *Lecidea piperis* var. *perisidiata* Malme 1936

Distribution in Brazil: AI (Cáceres 2007); RS (Malme 1936).

Geographical record: new to Acre.

Examined material: ISE (50341 & 50428).

Malmidea piperina (Zahlbr.) Aptroot & Breuss, Lichenologist 47(1): 19 (2015)

≡ *Lecidea piperina* Zahlbr. 1933

Distribution in Brazil: RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA, TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50047, 50150, 50248, 50399, 50429 & 50487).

Malmidea piperis (Spreng.) Kalb, Rivas Plata & Lumbsch, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliotheca Lichenol.* 106: 165 (2011)

≡ *Lecanora piperis* Spreng. 1820

Distribution in Brazil: AL, MT, PE, RN, RJ, RS, SE (Malme 1936); SC (Müller 1891b); SP (Marcelli 1992); MG (Aptroot 2002); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); (CE Alves 2014).

Geographical record: new to Acre.

Examined material: ISE (50412).

Malmidea polycampia (Tuck.) Kalb & Lücking, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliotheca Lichenol.* 106: 165 (2011)

≡ *Lecidea polycampia* Tuck. 1866

Distribution in Brazil: AL (Cáceres 2007); AM (Leighton 1866); SP (Kalb 1983a); CE (Alves 2014); RO (Cáceres et al. 2014b); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50383).

Malmidea rhodopsis (Tuck.) Kalb, Rivas Plata & Lumbsch, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliotheca Lichenol.* 106: 165 (2011)

≡ *Biatora rhodopsis* Tuck. 1859

Distribution in Brazil: RJ (Vainio 1890); AM (Cáceres & Aptroot 2017); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50090, 50308, 50324, 50391, 50393, 50413 & 50545).

Malmidea subaurigera (Vain.) Kalb, Rivas Plata & Lumbsch, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliotheca Lichenol.* 106: 161 (2011)

≡ *Lecidea subaurigera* Vain. 1921

Geographical record: new to Neotropics.

Examined material: ISE (50469, 50503, 50508, 50511 & 50513).

Malmidea vinosa (Eschw.) Kalb, Rivas Plata & Lumbsch, in Kalb, Rivas Plata, Lücking & Lumbsch, *Bibliotheca Lichenol.* 106: 166 (2011)

≡ *Lecidea vinosa* Eschw., in Martius 1833

Distribution in Brazil: AL, PE, RN, SE (Cáceres 2007); CE, SP (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RS (Käffer et al. 2011); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48946, 50121, 50129, 50300, 50400, 50479 & 50496).

Malmographina plicosa (C.F.W. Meissn.) M. Cáceres, Rivas Plata & Lücking, *Lichenologist* 44(1): 118 (2011) [2012]

≡ *Opegrapha plicosa* C.F.W. Meissn. 1855

Distribution in Brazil: MT (Staiger 2002); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); BA (Cáceres et al. 2016); AM (Cáceres & Aptroot 2017); MA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50275 & 50375).

Mazosia viridescens (Fée) Aptroot & M. Cáceres, *Lichenologist* 46(4): 568 (2014)

≡ *Urceolaria viridescens* Fée 1825

Distribution in Brazil: SE (Aptroot et al. 2014).

Geographical record: new to Acre.

Examined material: ISE (48964).

Megalaria bengalensis Jagad. Ram, Aptroot, G.P. Sinha & Kr.P. Singh, in Jagadeesh Ram, Aptroot, Sinha & Singh, *Nova Hedwigia* 85(1-2): 140 (2007)

Distribution in Brazil: CE (Alves 2014); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (48998).

Melaspilea arthonioides (A. Massal.) Nyl., *Act. Soc. linn. Bordeaux* 21(4): 416 (1857) [1856]

≡ *Catillaria arthonioides* A. Massal. 1854

Distribution in Brazil: RJ (Vainio 1890).

Geographical record: new to Acre.

Examined material: ISE (48932).

Melaspilea microspilota Nyl., *Bull. Soc. linn. Normandie, sér. 2* 2: 107 (1868)

Distribution in Brazil: SP (Redinger 1934); RO (Cáceres et al. 2014c).

Geographical record: new to Acre.

Examined material: ISE (50234).

Myeloconis guyanensis P.M. McCarthy & Elix, *Lichenologist* 28(5): 411 (1996)

Distribution in Brazil: PE (Cáceres 2007); RR (Moreira de Barros & Xavier Filho 1972); RO (Aptroot & Cáceres 2013); SE (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50367).

Myriostigma miniatum Vain. ex Lücking) Aptroot, Ertz, Grube & M. Cáceres, in Aptroot, Ertz, Silva, Grube & Cáceres, *Phytotaxa* 218(2): 131 (2015)

≡ *Cryptothecia miniata* Vain. ex Lücking, (2011)

Distribution in Brazil: RJ, SE (Aptroot et al. 2015); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50464).

Myriotrema foliaceum M. Cáceres, Aptroot & Lücking, in Cáceres, Aptroot, Parmen & Lücking, *Phytotaxa* 189: 103 (2014)

Distribution in Brazil: RO (Cáceres et al. (2014a).

Geographical record: new to Acre.

Examined material: ISE (50348).

Myriotrema glauculum (Nyl.) Hale, Mycotaxon 11(1): 133 (1980)

≡ *Thelotrema glauculum* Nyl. 1863

Distribution in Brazil: BA, MT, RR (Lücking 2015).

Geographical record: new to Acre.

Examined material: ISE (50455 & 50360).

Myriotrema neofrondosum Sipman, Trop. Bryol. 5: 85 (1992)

Distribution in Brazil: RO (Cáceres et al. 2014b); SE (Cáceres et al. 2014b); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50419 & 50477).

Myriotrema pulverulentum (Hale) Hale, Mycotaxon 11(1): 135 (1980)

≡ *Ocellularia pulverulenta* Hale 1978

Distribution in Brazil: AL (Oliveira Junior et al. 2020).

Geographical record: new to Acre.

Examined material: ISE (48956, 50050, 50066, 50077, 50083, 50084, 50320 & 50321).

Myriotrema uniseptatum (Hale) Hale, Mycotaxon 11(1): 135 (1980)

≡ *Ocellularia uniseptata* Hale 1978

Geographical record: new to Brazil.

Examined material: ISE (48955 & 50017).

Myriotrema viride Nagarkar & Hale, Mycotaxon 35(2): 440 (1989)

Geographical record: new to the Neotropics.

Examined material: ISE (50302).

Neoprotoparmelia brasiliensis Garima Singh, M. Cáceres & Aptroot, in Singh, Aptroot, Rico, Otte, Divakar, Crespo, Cáceres, Lumbsch & Schmitt, MycoKeys 44: 32 (2018)

Distribution in Brazil: MG Aptroot (2002); MT, RJ (Kalb 2004); SE (Cáceres et al. 2014b); MA, TO (Aptroot et al. 2017); SC (Menezes et al. 2018); RS (Singh et al. 2018); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50432).

Neosergipea septoconidiata Aptroot & M. Cáceres, Lichenologist 49(6): 611 (2017)

Distribution in Brazil: AM, AP, PA (Aptroot & Cáceres 2017).

Geographical record: new to Acre.

Examined material: ISE (50181).

Nitidochapsa leprieurii (Mont.) Parmen, Lücking & Lumbsch, Bryologist 116(2): 131 (2013)

≡ *Stictis leprieurii* Mont. 1855

Distribution in Brazil: SP (Frisch 2006); PE (Cáceres 2007); SE, RS (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50447).

Ocellularia auberianoides (Nyl.) Müll. Arg., Nuovo G. bot. ital. 23(3): 395 (1891)

≡ *Thelotrema auberianoides* Nyl. 1863

Distribution in Brazil: BA, ES, MS, MT, PR, RJ, SP (Frisch & Kalb 2006); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50610).

Ocellularia calvescens (Fée) Müll. Arg., Mém. Soc. Phys. Hist. nat. Genève 29(no. 8): 8 (1887)

≡ *Thelotrema calvescens* Fée 1837

Distribution in Brazil: RO (Cáceres et al. 2014a).

Geographical record: new to Acre.

Examined material: ISE (50458).

Ocellularia cavata (Ach.) Müll. Arg., Flora, Regensburg 65: 499 (1882)

≡ *Thelotrema cavatum* Ach. 1812

Distribution in Brazil: AM, ES, MG, MS, MT, RJ, SP (Redinger 1936); PA (Müller 1888); AL (Cáceres 2007); CE (Menezes 2013); SE (Cáceres et al. 2014b); RO (Cáceres et al. 2014a); PB, PR (Menezes et al. 2018); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50242).

Ocellularia dolichotata (Nyl.) Zahlbr., Cat. Lich. Univers. 2: 589 (1923) [1924]

≡ *Thelotrema dolichotatum* Nyl. 1891

Distribution in Brazil: RO (Cáceres et al. 2014a); BA (Cáceres et al. 2016); SE (Santos et al. 2016a).

Geographical record: new to Acre.

Examined material: ISE (50011).

Ocellularia fenestrata Rivas Plata & Lücking, Fungal Diversity 58: 26 (2012) [2013]

Geographical record: new to Brazil.

Examined material: ISE (50398, 50416 & 50569).

Ocellularia interposita (Nyl.) Hale, Mycotaxon 11(1): 137 (1980)

≡ *Ascidium interpositum* Nyl. 1863

Geographical record: new to South America.

Examined material: ISE (50420).

Ocellularia landronii Hale, Smithson. Contr. bot. 38: 23 (1978)

Distribution in Brazil: AL (Cáceres 2007); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50078 & 50476).

Ocellularia marmorata L.I. Ferraro, Lücking, Aptroot & M. Cáceres, Phytotaxa 189(1): 142 (2014)

Geographical record: new to Brazil.

Examined material: ISE (48972).

Ocellularia papillata (Leight.) Zahlbr., Cat. Lich. Univers. 2: 597 (1923) [1924]

≡ *Thelotrema papillatum* Leight. 1870

Distribution in Brazil: MG (Aptroot 2002); AL, RN (Cáceres 2007); SE (Cáceres et al. 2014b); PE (Menezes et al. 2018).

Geographical record: new to Acre.
Examined material: ISE (50100, 50335 & 50335).

Ocellularia percolumellata Sipman, Acta bot. fenn. 150: 170 (1994)
Distribution in Brazil: BA (Lücking et al. 2014); PE (Menezes et al. 2018).
Geographical record: new to Acre.
Examined material: ISE (48938, 48967 & 50365).

Ocellularia perforata (Leight.) Müll. Arg., Hedwigia 31: 284 (1892)
≡ *Thelotrema perforatum* Leight. 1866
Distribution in Brazil: MG (Aptroot 2002); AM (Redinger 1936); SP (Kalb 1983b); SE (Cáceres et al. 2014b); ES (Menezes et al. 2018).
Geographical record: new to Acre.
Examined material: ISE (48941)

Ocellularia polydisca Redinger, Hedwigia 73: 61 (1933)
Distribution in Brazil: DF, MT, PA (Frisch & Kalb 2006); AM (Redinger 1936); RO (Cáceres et al. 2014a).
Geographical record: new to Acre.
Examined material: ISE (50452 & 50534).

Ocellularia praestans (Müll. Arg.) Hale, Mycotaxon 11(1): 137 (1980)
≡ *Thelotrema praestans* Müll. Arg. 1895
Distribution in Brazil: PE (Lima 2013); RJ (Redinger 1936); SP (Kalb 1982c); SE (Rodrigues 2012); BA (Cáceres et al. 2016).
Geographical record: new to Acre.
Examined material: ISE (48957).

Ocellularia psorbarroensis Sipman, in Sipman, Lücking, Aptroot, Chaves, Kalb & Umaña Tenorio, Phytotaxa 55: 145 (2012)
Distribution in Brazil: RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b).
Geographical record: new to Acre.
Examined material: ISE (50366, 50386, 50459, 50460 & 50466).

Ocellularia rugosothallina Lücking, Lumbsch & Parnmen, in Pamong-Butsatorn, Lücking, Kraichak, Parnmen, VonKonrat & Lumbsch, Phytotaxa 189(1): 221 (2014)
Geographical record: new to Brazil.
Examined material: ISE (48940).

Ocellularia subperforata Nagarkar, Sethy & Patw., Biovigyanam 13(1): 36 (1988)
Geographical record: new to Brazil.
Examined material: ISE (50055, 50350, 50380 & 50407).

Ocellularia thryptica Hale, Phytologia 26: 415 (1973)
Geographical record: new to Brazil.
Examined material: ISE (50124, 50135 & 50562).

Ocellularia violacea Räsänen, Suom. Elain-ja Kasvit. Seuran Van. Tiedon. Pöytäkirjat 3: 184 (1949)

Distribution in Brazil: AL (Oliveira Junior et al. 2020).

Geographical record: new to Acre.

Examined material: ISE (48976).

Ocellularia viridipallens Müll. Arg., Flora, Regensburg 70: 397 (1887)

Distribution in Brazil: SE (Cáceres et al. 2014b); PB, PE (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48945).

Opegrapha cylindrica Raddi, Mem. mat. fis. Soc. ital. Sci. 18: 344 (1820)

Distribution in Brazil: RJ (Redinger 1940); MG (Vainio 1890); MS (Kalb 1986); SE (Cáceres 2007); PE (Lima 2013); CE (Alves 2014); PB (Xavier-Leite et al. 2015).

Geographical record: new to Acre.

Examined material: ISE (50347, 50389, 50427 & 50509).

Opegrapha urosperma Fée, Bull. Soc. bot. Fr. 21: 24 (1873)

Distribution in Brazil: MT, RJ (Redinger 1940); AL, PE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (50495, 50501 & 50517).

Papilionovela albohallina Aptroot, Mycol. Res. 101(3): 266 (1997)

Geographical record: new to Acre.

Examined material: ISE (50519).

Parallopsora labriformis (Timdal) Kistenich, Timdal & Bendiksby, in Kistenich, Timdal, Bendiksby & Ekman, Taxon 67(5): 894 (2018)

≡ *Phyllopsora labriformis* Timdal, (2008)

Distribution in Brazil: RO (Aptroot & Cáceres 2014); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50408).

Parallopsora leucophyllina (Nyl.) Kistenich, Timdal & Bendiksby, in Kistenich, Timdal, Bendiksby & Ekman, Taxon 67(5): 894 (2018)

≡ *Lecidea leucophyllina* Nyl. 1863

Distribution in Brazil: RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50473).

Parmotrema crinitum (Ach.) M. Choisy [as 'crinita'], Bull. mens. Soc. linn. Soc. Bot. Lyon 21: 175 (1952)

≡ *Parmelia crinita* Ach. 1814

Distribution in Brazil: SC (Hale 1965); PE, RJ (Moreira de Barros & Xavier Filho 1972); SP (Marcelli 1992); MG (Aptroot 2002); RS (Spielmann 2006); BA (Aptroot & Cáceres 2018); PR (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48997).

Parmotrema cristiferum (Taylor) Hale, *Phytologia* 28(4): 335 (1974)

≡ *Parmelia cristifera* Taylor 1847

Distribution in Brazil: SP (Marcelli 1992); AM, MG (Moreira de Barros & Xavier Filho 1972); PR (Donha 2005); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50215).

Parmotrema endosulphureum (Hillmann) Hale, *Phytologia* 28(4): 334 (1974)

Distribution in Brazil: BA, RJ, RS (Hale 1965); PA (Brako et al. 1985); AL (Pereira et al. 2005); SP (Benatti 2005); PR (Eliasaro 2006); SC (Gerlach & Eliasaro 2012); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50170, 50212, 50214, 50256 & 50593).

Parmotrema praesorediosum (Nyl.) Hale, *Phytologia* 28(4): 338 (1974)

≡ *Parmelia praesorediosa* Nyl. 1891

Distribution in Brazil: MS (Fleig & Riquelme 1991); AM, PE (Moreira de Barros & Xavier Filho 1972); PA (Brako et al. 1985); SP (Marcelli 1992); PR (Donha 2005); RS (Spielmann 2006); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014); CE (Cáceres et al. 2017); TO (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018); MG, RJ, SC (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50535).

Parmotrema zollingeri (Hepp) Hale, *Phytologia* 28(4): 339 (1974)

≡ *Parmelia zollingeri* Hepp, in Zollinger 1854

Distribution in Brazil: AM (Hale 1965); PE (Moreira de Barros & Xavier Filho 1972); PA (Brako et al. 1985).

Geographical record: new to Acre.

Examined material: ISE (50443).

Phaeographis brasiliensis (A. Massal.) Kalb & Matthes-Leicht, *Bibliotheca Lichenol.* 78: 148 (2001)]

≡ *Creographa brasiliensis* A. Massal. 1860

Distribution in Brazil: MT, RJ, SP, (Kalb 2001); BA (Staiger 2002); AL, SE (Cáceres 2007); PR (Dal-Forno 2009); PE (Lima 2013); CE (Menezes 2013); PB (Xavier-Leite 2013; Xavier-Leite et al. 2015); RO (Cáceres et al. 2014a); AP (Cáceres & Aptroot 2016); MA, PA, TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50046, 50052, 50208, 50286, 50345, 50403 & 50470).

Phaeographis dendritica (Ach.) Müll. Arg., *Flora, Regensburg* 65(24): 382 (1882)

≡ *Opegrapha dendritica* Ach. 1803

Distribution in Brazil: CE (Menezes 2013); MG (Vainio 1890); RJ (Zahlbruckner 1902); SP (Marcelli 1992); RS (Spielmann 2006); PE (Cáceres 2007); PR (Dal-Forno 2009); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50243).

Phaeographis haematites (Fée) Müll. Arg., *Flora, Regensburg* 65(24): 384 (1882)

Distribution in Brazil: PA, RJ, SP, SC (Staiger 2002); MG (Kalb 2001); PE, AL (Cáceres 2007); PR (Dal-Forno 2009); CE (Alves 2014); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); AP

(Cáceres & Aptroot 2016); TO, MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50276 & 50502).

Phaeographis leiogrammodes (Kremp.) Müll. Arg., Nuovo G. bot. ital. 23(3): 397 (1891)

≡ *Graphis leiogrammodes* Kremp. 1873

Distribution in Brazil: MT, MS, MG, SP (Staiger 2002); PE (Lima 2013); SE (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017); PA, TO, MA (Aptroot et al. 2017); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (48921 & 50579).

Phaeographis sculpturata (Ach.) Staiger, Bibliotheca Lichenol. 85: 345 (2002)

≡ *Graphis sculpturata* Ach. 1814

Distribution in Brazil: MT, MG, RJ, SP, PR (Staiger 2002); AM (Leighton 1866); PA, BA (Müller 1888); AL (Cáceres 2007); PE (Lima 2013); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); TO (Aptroot et al. 2017); PB, SC (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50179 & 50284).

Phyllopsora atrocarpa Timdal, Lichenologist 40(4): 341 (2008)

Distribution in Brazil: RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (48991).

Phyllopsora cinchonarum (Fée) Timdal, Lichenologist 40(4): 346 (2008).- **Brako (1989) as**

***Squamacidia janeirensis* (Müll. Arg.) Brako**

≡ *Triclinum cinchonarum* Fée 1825

Distribution in Brazil: AC, AM, PA, MG, RJ, SP (Brako 1989); MS, RS (Malme 1937); AL (Cáceres 2007); RO (Aptroot & Cáceres 2014); TO, MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Phyllopsora corallina (Eschw.) Müll. Arg., Bot. Jb. 20: 264 (1894)

≡ *Lecidea corallina* Eschw., in Martius 1833

Distribution in Brazil: BA, MT, MS, MG, RJ, SP, SC, RS (Brako 1991); SE (Cáceres 2007); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (48963 & 50317).

Phyllopsora furfuracea (Pers.) Zahlbr., in Engler & Prantl, Nat. Pflanzenfam., Teil. I (Leipzig) 1(1*): 138 (1905) - **Brako (1991)**

≡ *Lecidea furfuracea* Pers., in Gaudichaud-Beaupré in Freycinet 1827

Distribution in Brazil: AC, RR, PA, MT, MG, RJ, SP, PR, SC, RS (Brako 1991); AL, PE (Cáceres 2007); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017).

Examined material: ISE (50159, 50191 & 50335).

Phyllopsora gossypina (Sw.) Kistenich, Timdal, Bendiksby & S. Ekman, *Taxon* 67(5): 894 (2018)

≡ *Lichen gossypinus* Sw. 1788

Distribution in Brazil: SP (Kalb 1982d); RJ (Krempelhuber 1876); AM (Moreira de Barros & Xavier Filho 1972); AL (Cáceres 2007); RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (48936 & 50099).

Phyllopsora longiuscula (Nyl.) Zahlbr., *Cat. Lich. Univers.* 4: 398 (1926) [1927]

Distribution in Brazil: PE (Cáceres 2007); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50185).

Phyllopsora nigrocincta Timdal, *Lichenologist* 40(4): 354 (2008)

Distribution in Brazil: RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48952 & 50057).

Phyllopsora pyrromelaena (Tuck.) Swinscow & Krog, *Lichenologist* 13(3): 244 (1981)

Distribution in Brazil: SP (Kalb 1991); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50542).

Phyllopsora pyxinoides (Nyl.) Kistenich, Timdal, Bendiksby & S. Ekman, *Taxon* 67(5): 894 (2018)

≡ *Crocynia pyxinoides* Nyl. 1891

Distribution in Brazil: MT (Malme 1937); MG, RJ (Kalb 1982a); AL (Cáceres 2007); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014); CE (Alves 2014); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (48993).

Phyllopsora santensis (Tuck.) Swinscow & Krog, *Lichenologist* 13(3): 236 (1981)

Distribution in Brazil: AM, PA, MT, MS, SP, PR (Brako 1991); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50527 & 50440).

Physcia atrostriata Moberg, *Nordic Jl Bot.* 6(6): 853 (1986)

Distribution in Brazil: RS (Käffer et al. 2011); SP, SC (Marcelli 1992); RO (Aptroot & Cáceres 2014); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50174).

Physcia solediosa (Vain.) Lynge, *Skr. VidenskSelsk. Christiania, Kl. I, Math.-Natur.* 16: 27 (1924)

≡ *Physcia integrata* var. *solediosa* Vain. 1890

Distribution in Brazil: SP, SC (Marcelli 1992); RJ (Vainio 1890); MS (Lyngé 1924); MG (Aptroot 2002); RS (Spielmann 2006); SE (Cáceres 2007); AL (Menezes et al. 2011); AP (Cáceres & Aptroot 2016); CE (Aptroot & Cáceres 2016a); MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50175 & 50199).

Physidia striata Aptroot, M. Cáceres & Timdal, *Lichenologist* 46(6): 788 (2014)

Distribution in Brazil: RO (Aptroot & Cáceres 2014); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017); MT (Aptroot & Kalb 2017).

Geographical record: new to Acre.

Examined material: ISE (50409).

Placynthiella icmalea (Ach.) Coppins & P. James, *Lichenologist* 16(3): 244 (1984)

≡ *Lecidea icmalea* Ach. 1808

Distribution in Brazil: MG (Aptroot 2002).

Geographical record: new to Acre.

Examined material: ISE (50220).

Platygramme caesiopruinosa (Fée) Fée, *Bull. Soc. bot. Fr.* 21: 30 (1874)

≡ *Arthonia caesiopruinosa* Fée 1837

Distribution in Brazil: GO, RJ, SC, SP (Staiger 2002); AM (Müller 1888); MT (Redinger 1934); MG (Aptroot 2002); RS (Spielmann 2006); PR (Dal-Forno 2009); CE (Menezes 2013); PE (Lima 2013); SE, RO (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50371, 50396 & 50401).

Platythecium dimorphodes (Nyl.) Staiger, *Bibliotheca Lichenol.* 85: 383 (2002)

≡ *Graphis dimorphodes* Nyl., in Leighton 1870

Distribution in Brazil: SE (Cáceres et al. 2014b); TO (Aptroot et al. 2017); PE (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50026 & 50526).

Platythecium grammitis (Fée) Staiger, *Bibliotheca Lichenol.* 85: 385 (2002)

≡ *Graphis grammitis* Fée 1825

Distribution in Brazil: RJ, SP, SC (Marcelli 1992); PA (Müller 1888); BA, MT, MG (Staiger 2002); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017); RS (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50581).

Platythecium leiogramma (Nyl.) Staiger, *Bibliotheca Lichenol.* 85: 388 (2002)

≡ *Graphis leiogramma* Nyl. 1863

Distribution in Brazil: SP (Staiger 2002); RJ (Krempelhuber 1876); SE (Cáceres 2014b); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50245).

Porina distans Vězda & Vivant, in Vězda, Nova Hedwigia 58(1-2): 136 (1994)

Distribution in Brazil: PE, ES, SP, SC (McCarthy 2003); RO, SE (Aptroot & Cáceres 2013); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (48942 & 48979).

Porina imitatrix Müll. Arg., Flora, Regensburg 73: 196 (1890)

Distribution in Brazil: AM, PE, ES, RJ, SP, SC, RS (McCarthy 2003); SE (Cáceres 2007); RO (Aptroot & Cáceres 2013); PB (Xavier-Leite et al. 2015).

Geographical record: new to Acre.

Examined material: ISE (50087).

Porina isidioambigua M. Cáceres, M.W.O. Santos & Aptroot, Lichenologist 45(3): 382 (2013)

Distribution in Brazil: SE (Cáceres et al. 2013a); RO (Aptroot & Cáceres 2013); AP (Cáceres & Aptroot 2016); CE (Cáceres et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50013).

Porina mastoidea Fée, Essai Crypt. Exot. (Paris): 82 (1825) [1824]

Distribution in Brazil: PA, MG, RJ, RS (Aptroot 2002); AM (Leighton 1866); SP, SC (Marcelli 1992); MT (McCarthy 2003); RN, PE, AL, SE (Cáceres 2007); RO (Aptroot & Cáceres 2013); AP (Cáceres & Aptroot 2016); BA (Cáceres et al. 2016); PB (Sobreira et al. 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48995 & 50311).

Porina simulans Müll. Arg., Bull. Soc. R. Bot. Belg. 30 (no. 1): 90 (1891)

Distribution in Brazil: MT, RS (McCarthy 1993); AL (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (50298, 50355 & 50431).

Porina sorediata Aptroot, Lücking & M. Cáceres, in Hyde et al., Fungal Diversity 10:

10.1007/s13225-019-00429-2, [127] (2019)

Distribution in Brazil: AL (Hyde et al. 2019).

Geographical record: new to Acre.

Examined material: ISE (50392).

Porina subinterstes (Nyl.) Müll. Arg., *Nuovo G. bot. ital.* 21(3): 364 (1889)

≡ *Verrucaria subinterstes* Nyl. 1873

Distribution in Brazil: SP (Malme 1929); AL (Cáceres et al. 2007); PB (Xavier-Leite et al. 2015).

Geographical record: new to Acre.

Examined material: ISE (48944).

Porina submastoidiza Lücking ined.

Geographical record: new to Brazil.

Examined material: ISE (50086 & 50132).

Porina tetracerae (Ach.) Müll. Arg., Bot. Jb. 6: 401 (1885)

Distribution in Brazil: RO, BA, RJ, SP, RS (McCarthy 1993); MG (Aptroot 2002); PA (McCarthy 2003); AL, RN, PE, (Cáceres 2007); AM (Lücking 2008); CE (Alves 2014); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); PB (Sobreira et al. 2016).

Geographical record: new to Acre.

Examined material: ISE (48989, 50089 & 50101).

Pseudobogoriella hemisphaerica (Müll. Arg.) Lücking, R. Miranda & Aptroot, in Hongsanan et al., Fungal Diversity: 10.1007/s13225-020-00462-6, [129] (2020)

≡ *Microthelia hemisphaerica* Müll. Arg., in Engler 1885

Distribution in Brazil: SE (Cáceres 2007); RO (Aptroot & Cáceres 2013); CE (Cáceres et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48929 & 48931).

Pseudobogoriella punctata (Aptroot) Lücking, R. Miranda & Aptroot, Fungal Diversity 105: 173 (2020)

≡ *Mycomicrothelia punctata* Aptroot 1991

Geographical record: new to Brazil.

Examined material: ISE (50453).

Pseudochapsa albomaculata (Sipman) Parmen, Lücking & Lumbsch, PLoS ONE 7(12): e51392, 10 (2012)

≡ *Thelotrema albomaculatum* Sipman 1992

Distribution in Brazil: RO (Cáceres et al. 2014b); AM, PI (Kalb 2009).

Geographical record: new to Acre.

Examined material: ISE (50556).

Pseudochapsa dilatata (Müll. Arg.) Parmen, Lücking & Lumbsch, PLoS ONE 7(12): e51392, 10 (2012)

≡ Distribution in Brazil: AM, BA, SP (Frisch & Kalb 2009); RJ (Staiger 2002); PE, AL, SE (Cáceres 2007); RO (Cáceres et al. 2014b); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50331).

Pseudochapsa phlyctidioides (Müll. Arg.) Parmen, Lücking & Lumbsch, PLoS ONE 7(12): e51392, 10 (2012)s

≡ *Ocellularia phlyctidioides* Müll. Arg. 1893

Geographical record: new to Brazil.

Examined material: ISE (50387).

Pseudoparmelia uleana (Müll. Arg.) Elix & T.H. Nash, Bryologist 100(4): 496 (1998) [1997] - **Elix & Nash (1998)**

Distribution in Brazil: AC, PA, MT, MS, MG, RJ, SP (Elix & Nash 1998); RS (Spielmann 2006); SE (Cáceres et al. 2014b); SC (Menezes et al. 2018).

Pseudopyrenula diluta (Fée) Müll. Arg., Flora, Regensburg 66: 249 (1883)

≡ *Verrucaria diluta* Fée 1837

Distribution in Brazil: RS (Spielmann 2006); SC (Müller 1891a); RJ (Zahlbruckner 1902); AM (Zahlbruckner 1909); SP (Osorio 1989); MG (Aptroot 2002); SE (Cáceres et al. 2014b); PR (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50259).

Pseudopyrenula subgregaria Müll. Arg., Bot. Jb. 6: 408 (1885)

Distribution in Brazil: RS (Spielmann 2006); RO, SE (Cáceres et al. 2014b); MG (Aptroot & Lücking 2016); MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018b); PB (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50438).

Pyrenula aggregata (Fée) Fée, Essai Crypt. Exot., Suppl. Révis. (Paris): 80 (1837)

Distribution in Brazil: CE (Menezes 2013).

Geographical record: new to Acre.

Examined material: ISE (48969, 50118, 50122, 50480 & 50548).

Pyrenula aggregataspistea Aptroot & M. Cáceres, Lichenologist 45(2): 170 (2013)

Distribution in Brazil: RO (Aptroot et al. 2013); SE (Cáceres et al. 2014c); PA, MA (Aptroot et al. 2017); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50144 & 50316).

Pyrenula anomala (Ach.) Vain., Ann. Acad. Sci. fenn., Ser. A 6(no. 7): 189 (1915)

≡ *Trypethelium anomalum* Ach. 1814

Distribution in Brazil: PE (Lima 2013); PA (Zahlbruckner 1909); MT, MS (Malme 1924); MG (Aptroot 2002); AL (Menezes et al. 2011); SE (Rodrigues 2012); CE (Menezes 2013); RO (Aptroot & Cáceres 2013); PB (Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); MA, TO (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50184, 50260, 50329, 50457 & 50586).

Pyrenula aspistea (Afzel. ex Ach.) Ach., Mag. Gesell. naturf. Freunde, Berlin 6(1): 17 (1814)

≡ *Verrucaria aspistea* Afzel. ex Ach. 1803

Distribution in Brazil: CE (Menezes 2013); GO (Müller 1884b); MT (Malme 1929); MG (Aptroot 2002); SE (Cáceres 2007); PE (Lima 2013); RO (Aptroot & Cáceres 2013); PB (Xavier-Leite et al. 2015); TO (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (48971, 50446 & 50467).

Pyrenula atropurpurea (Eschw.) Müll. Arg., Flora, Regensburg 67(35): 665 (1884)

Distribution in Brazil: PA (Müller 1884b).

Geographical record: new to Acre.

Examined material: ISE (50053).

Pyrenula balia (Kremp.) R.C. Harris, Lichenogr. Thomsoniana, North American Lichenology in Honor of John W. Thomson (Ithaca): 141 (1998)

Distribution in Brazil: PE (Cáceres 2007); AM (Leighton 1866); RJ (Kremelhuber 1876); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50006).

Pyrenula circumfiniens Vain., Ann. Acad. Sci. fenn., Ser. A 6(no. 7): 195 (1915)

Distribution in Brazil: BA, SC, SP (Marcelli 1992); MT, MS (Malme 1924).

Geographical record: new to Acre.

Examined material: ISE (50395).

Pyrenula cryptothelia (Müll. Arg.) Aptroot & Etayo, in Etayo & Aptroot, Lichenologist 35(3): 235 (2003)

≡ *Pyrenastrum cryptothelium* Müll. Arg. 1885

Distribution in Brazil: MT, MS (Malme 1924).

Geographical record: new to Acre.

Examined material: ISE (50025).

Pyrenula cubana Müll. Arg.) R.C. Harris, Mem. N. Y. bot. Gdn 49: 91 (1989)

Distribution in Brazil: MT (Malme 1924); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50155).

Pyrenula infraleucotrypa Aptroot & M. Cáceres, Lichenologist 45(2): 175 (2013)

Distribution in Brazil: RO (Aptroot et al. 2013); CE (Menezes 2013); SE (Cáceres et al. 2014b); PB (Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); TO, MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50091, 50094, 50128, 50131 & 50319).

Pyrenula inframamillana Aptroot & M. Cáceres, Lichenologist 45(2): 177 (2013)

Distribution in Brazil: AM, RO (Aptroot et al. 2013); AP (Cáceres & Aptroot 2016); PB (Xavier-Leite et al. 2015); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50426).

Pyrenula laetior Müll. Arg., Bot. Jb. 6: 413 (1885)

Distribution in Brazil: CE (Menezes 2013); PE (Lima 2013); RO (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (50029).

Pyrenula mamillana (Ach.) Trevis., Conspect. Verruc.: 13 (1860)

≡ *Verrucaria mamillana* Ach. 1803

Distribution in Brazil: BA, RJ, SP, SC (Marcelli 1992); AM (Leighton 1866); PA (Müller 1884); MT (Malme 1929); MG (Kalb 1986); RS (Spielmann 2006); AL, SE (Cáceres 2007); CE (Menezes 2013);

PE (Lima 2013); RO (Aptroot & Cáceres 2013); AP (Cáceres & Aptroot 2016); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (48999, 50154, 50176, 50591 & 50597).

Porina micromma (Mont.) A. Massal., Framm. Lichenogr.: 26 (1855)

≡ *Verrucaria micromma* Mont. 1843

Distribution in Brazil: PE (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (48983).

Pyrenula minor Fée, Essai Crypt. Exot., Suppl. Révis. (Paris): 79 (1837)

Distribution in Brazil: CE (Menzes 2013); MT (Malme 1929); SP (Marcelli 1992); RO, SE (Aptroot & Cáceres 2013); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50485 & 7 50550).

Pyrenula quassiicola Fée [as 'quassiaecola'], Essai Crypt. Exot., Suppl. Révis. (Paris): 79 (1837)

Distribution in Brazil: MG (Aptroot 2002); RJ (Müller 1884b); MT, MS (Malme 1929); RN, PE (Cáceres 2007); CE (Alves 2014); SE (Cáceres et al. 2014b); PB (Xavier-Leite et al. 2015); TO (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (48988 & 48994).

Pyrenula septicollaris (Eschw.) R.C. Harris, Mem. N. Y. bot. Gdn 49: 101 (1989)

Distribution in Brazil: PB (Xavier-Leite et al. 2015); PE (Cáceres 2007); SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (48982, 50224 & 50225).

Pyrgillus indicus (Kremp.) Aptroot, Bibliotheca Lichenol. 44: 84 (1991)

≡ *Tylophoron indicum* Kremp. 1875

Geographical record: new to Brazil.

Examined material: ISE (50481).

Pyxine coralligera Malme, Bih. K. svenska VetenskAkad. Handl., Afd. 3 23(no. 13): 40 (1897)

Distribution in Brazil: PR, MT, MS, MG, SP, PR (Kalb 1987); PA (Brako et al. 1985); RS (Spielmann 2006); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50195).

Pyxine eschweileri (Tuck.) Vain., Acta Soc. Fauna Flora fenn. 7(no. 1): 156 (1890)

≡ *Pyxine cocois* var. *eschweileri* Tuck. [as '*Pyxine cocois* var. *eschweileri*'] 1877

Distribution in Brazil: MT, MS, MG, SP, PR (Kalb 1987); CE (Alves 2014); SE (Cáceres et al. 2014b); TO (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50003, 50169 & 50180).

Redingeria microspora (Zahlbr.) M. Cáceres & Lücking, in Cáceres, Vieira, Jesus & Lücking, *Lichenologist* 44(6): 809 (2012)

≡ *Leptotrema microsporium* Zahlbr. 1902

Distribution in Brazil: PA (Cáceres et al. 2012); RJ (Zahlbruckner 1902); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50323).

Rhabdodiscus anamorphoides (Nyl.) Vain. ., *Ann. Acad. Sci. fenn., Ser. A* 15(no. 6): 184 (1921) -
Lücking (2015)

≡ *Thelotrema anamorphoides* Nyl. 1869

Distribution in Brazil: RJ (Krempelhuber 1876); AC, AM, RR, SC (Lücking 2015).

Sarcographa labyrinthica (Ach.) Müll. Arg., *Mém. Soc. Phys. Hist. nat. Genève* 29(no. 8): 62 (1887)

≡ *Glyphis labyrinthica* Ach. 1814

Distribution in Brazil: PE, AL, SE (Cáceres 2007); BA (Staiger 2002); RO (Cáceres et al. 2014b); PB (Xavier-Leite et al. 2015); AP (Cáceres & Aptroot 2016); AM (Cáceres & Aptroot 2017); PA (Aptroot et al. 2017); SC (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50112 & 50114).

Sarcographa tricosia (Ach.) Müll. Arg., *Mém. Soc. Phys. Hist. nat. Genève* 29(no. 8): 63 (1887)

Distribution in Brazil: CE (Menezes 2013); RJ (Vainio 1890); MG (Aptroot 2002); AL (Cáceres 2007); PR (Dal-Forno 2009); SE (Cáceres et al. 2014b); PE (Menezes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50233).

Sclerophyton elegans Eschw., *Syst. Lich.*: 25, fig. 8 (1824)

Distribution in Brazil: PA, SP (Sparrius 2004); AL (Cáceres 2007); PE (trivelli 1960); SE (Cáceres et al. 2014b); PB (Xavier-Leite et al. 2015).

Geographical record: new to Acre.

Examined material: ISE (50014 & 50425).

Sprucidea penicillata (Aptroot, M. Cáceres, Lücking & Sparrius) M. Cáceres, Aptroot & Lücking, in Cáceres, Aptroot & Lücking, *Bryologist* 120(2): 207 (2017)

≡ *Bacidina penicillata* Aptroot, M. Cáceres, Lücking & Sparrius, in Aptroot, Saipunkaew, Sipman, Sparrius & Wolseley, (2007)

Distribution in Brazil: PE, AL (Cáceres 2007).

Geographical record: new to Acre.

Examined material: ISE (48953).

Stegobolus actinotus (Tuck.) Frisch & Kalb, *Bibliotheca Lichenol.* 92: 429 (2006)

≡ *Thelotrema actinotum* Tuck. 1862

Geographical record: new to Brazil.

Examined material: ISE (50110 & 50156).

Stegobolus anamorphus (Nyl.) Frisch & Kalb, *Bibliotheca Lichenol.* 92: 431 (2006)

≡ *Thelotrema anamorphum* Nyl. 1863

Distribution in Brazil: AM (Frisch & Kalb 2006); MT (Redinger 1936); MG (Aptroot 2002); AL (Cáceres 2007); RO (Cáceres et al. 2014a); SE (Cáceres et al. 2014b); PE (Menzes et al. 2018).

Geographical record: new to Acre.

Examined material: ISE (50352, 50368, 50377 & 50379).

Stirtonia nitida Xavier-Leite, M. Cáceres & Aptroot, *Nova Hedwigia* 98(3-4): 426 (2014)

Distribution in Brazil: PB (Xavier-Leite et al. 2014a); AP (Cáceres & Aptroot 2016).

Geographical record: new to Acre.

Examined material: ISE (50606).

Thelotrema berkeleyanum (Mont.) Brusse, *Mycotaxon* 31(2): 547 (1988)

≡ *Stegobolus berkeleyanus* Mont., in Hooker 1845

Distribution in Brazil: RO (Cáceres et al. 2014a); AM (Cáceres & Aptroot 2017).

Geographical record: new to Acre.

Examined material: ISE (48958 & 50541).

Trinathotrema stictideum (Nyl.) Lücking, R. Miranda & Kalb, in Lücking, Rivas Plata, Mangold,

Sipman, Aptroot, Miranda González, Kalb, Chaves, Ventura & Esqui, *Bibliotheca Lichenol.* 106: 200 (2011)

≡ *Lecidea stictidea* Nyl. 1866

Geographical record: new to Brazil.

Examined material: ISE (50138 & 50414).

Trypethelium eluteriae Spreng., *Anleit. Kennt. Gew.* 3: 350 (1804)

Distribution in Brazil: PA (Harris 1986); AM (Leighton 1866); MG (Vainio 1890); SC (Müller 1891b); MT, MS, RJ (Malme 1924); SE (Cáceres 2007); AL (Menezes et al. 2011); CE (Menzes 2013); PB (Xavier-Leite 2013); PE (Lima 2013); RO, SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); BA (Cáceres et al. 2016); TO, MA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50204 & 50285).

Trypethelium platystomum Mont., *Annls Sci. Nat., Bot., sér.* 2 19: 72 (1843)

Distribution in Brazil: MT (Malme 1924); AM (Leighton 1866); RO, SE (Cáceres et al. 2014b); AP (Cáceres & Aptroot 2016); PA, TO, MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (50016, 50231, 50280 & 50418).

Trypethelium subeluteriae Makhija & Patw., *Int. J. Mycol. Lichenol.* 5(3): 245 (1992)

Distribution in Brazil: PA (Harris 1986); AL, SE (Cáceres 2007); CE (Menezes 2013); PB (Xavier-Leite 2013); PE (Lima 2013); TO, MA (Aptroot et al. 2017); BA (Aptroot & Cáceres 2018).

Geographical record: new to Acre.

Examined material: ISE (48926).

Tylophoron hibernicum (D. Hawksw., Coppins & P. James) Ertz, Diederich, Bungartz & Tibell, in

Ertz, Bungartz, Diederich & Tibell, *Lichenologist* 43(4): 354 (2011) - 50461

≡ *Blarneya hibernica* D. Hawksw., Coppins & P. James, J. Linn. Soc., Bot. 79(4): 358 (1980) [1979].
 Distribution in Brazil: SE (Cáceres et al. 2014b); AM (Cáceres & Aptroot 2017).
 Geographical record: new to Acre.
 Examined material: ISE (50461).

Tylophoron moderatum Nyl., Bot. Ztg. 20: 279 (1862)
 Distribution in Brazil: MT, MS, GC, MG (Tibell 1996); AL (Cáceres 2007); AM (Cáceres & Aptroot 2017).
 Geographical record: new to Acre.
 Examined material: ISE (48981 & 50456).

Wirthiotrema glaucopallens (Nyl.) Rivas Plata & Kalb, in Rivas Plata, Kalb & Frisch, Lichenologist 42(2): 201 (2010)
 ≡ *Thelotrema glaucopallens* Nyl. 1863
 Distribution in Brazil: AL (Cáceres 2007); RO (Cáceres et al. 2014a); AM, PA, BA (Lücking 2015).
 Geographical record: new to Acre.
 Examined material: ISE (50042, 50069, 50081, 50095 & 50612).

Wolseleyidea canoumbrina (Vain.) S.Y. Kondr., Farkas & Lökös, in Kondratyuk, Lökös, Farkas, Jang, Liu, Halda, Persson, Hansson, Kärnefelt, Thell & Hur, Acta bot. hung. 61(3-4): 304 (2019)
 ≡ *Lecidea canoumbrina* Vain. 1923
 Distribution in Brazil: AC, AM, SC (**Brako 1991, as *Phyllopsora canoumbrina* (Vain.) Brako**); PA (Leighton 1866).

Foliicolous species (on living leaves, total of 61 species):

Arthonia aciniformis Stirt., Proc. Roy. phil. Soc. Glasgow 11: 105 (1879) [1878]
 Distribution in Brazil: AM, PE, MT, RJ (Lücking 2008); SP (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b); BA (Santos et al. 2016c).
 Geographical record: new to Acre.
 Examined material: ISE (50153n).

Arthonia cyanea Müll. Arg., Flora, Regensburg 64(15): 233 (1881)
 Distribution in Brazil: AM, PE, BA, MT, MG, RJ (Lücking 2008); SP (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RO (Cáceres et al. 2014c); PB (Santos et al. 2016c).
 Geographical record: new to Acre.
 Examined material: ISE (50107d).

Arthonia orbignyae (H. B. P. Upadhyay) Matzer, Mycol. Pap. 171: 175. 1996
 Distribution in Brazil: AM, RO (Lücking 2008).
 Geographical record: new to Acre.
 Examined material: ISE (50060ak).

Arthonia palmulacea (Müll. Arg.) R. Sant., Symb. bot. upsal. 12(no. 1): 87 (1952)
 ≡ *Arthoniopsis palmulacea* Müll. Arg. 1892

Distribution in Brazil: AM, PE (Lücking 2008); SP (Kalb 1984); PA (Lücking & Cáceres 2002); RO (Cáceres et al. 2014c).

Geographical record: new to Acre.

Examined material: ISE (50523v).

Aulaxina quadrangula (Stirt.) R. Sant., J. Ecol. 40(1): 129 (1952)

≡ *Platygrapha quadrangula* Stirt. 1879

Distribution in Brazil: AM, PE, RJ, SP, PR, SC, RS (Lücking 2008); PA (Lücking & Cáceres 2002); RO (Cáceres et al. 2014b); BA, SE (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50523).

Bacidina arvidssonii (Sérus.) Lücking, Fl. Neotrop., Monogr. 103: 608 (2008)

≡ *Woessia arvidssonii* Sérus. 1995

Distribution in Brazil: MG (Aptroot 2002).

Geographical record: new to Acre.

Examined material: ISE (50060aa, 501071 & 50153f).

Bullatina aspidota (Vain.) Vězda & Poelt, Folia geobot. phytotax. 22: 186 (1987) - **Lücking (2008)**

≡ *Ectolechia aspidota* Vain., in Hiern 1901

Distribution in Brazil: AC, PE (Lücking 2008); ES (Lücking & Kalb 2000); SE (Cáceres et al. 2014b).

Examined material: ISE (50153j & 50523b).

Byssolecania fumosonigricans (Müll. Arg.) R. Sant., Symb. bot. upsal. 12(no. 1): 553 (1952)

≡ *Patellaria fumosonigricans* Müll. Arg. 1890

Distribution in Brazil: AM, PE, MT, SP (Lücking 2008); RS (Spielmann 2006); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50060ag).

Byssolecania hymenocarpa (Vain.) Kalb, Vězda & Lücking, in Lücking & Kalb, Bot. Jb. 122(1): 21 (2000)

≡ *Lecanora hymenocarpa* Vain. 1890

Distribution in Brazil: PE, MT, MG, SP (Lücking 2008); BA, RJ (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); PB, SE (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060x).

Byssolecania variabilis Vězda, Kalb & Lücking, in Lücking & Kalb, Bot. Jb. 122(1): 21 (2000)

Distribution in Brazil: PA, RJ, SP (Lücking & Cáceres 2002).

Geographical record: new to Acre.

Examined material: ISE (50153m).

Byssoloma amazonicum Kalb & Vězda Nova Hedwigia 51(3-4): 437 (1990)

Distribution in Brazil: AM (Lücking 2008); MT (Lücking & Kalb 2000).

Geographical record: new to Acre.

Examined material: ISE (50523ac).

Byssoloma leucoblepharum (Nyl.) Vain., Dansk bot. Ark. 4(no. 11): 23 (1926)

≡ *Lecidea leucoblephara* Nyl. 1863

Distribution in Brazil: AM, PE, MT, MG, RJ, SP, PR, SC, RS (Lücking 2008); BA, MS, GO (Kalb & Vězda 1990); PA (Lücking & Cáceres 2002); RO (Aptroot & Cáceres 2014); CE (Alves 2014); SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50523p).

Calenia dictyospora Lücking, Bibliotheca Lichenol. 65: 35 (1997)

Distribution in Brazil: SE (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50153ad).

Chroodiscus coccineus (Leight.) Müll. Arg., Lichenes Epiphylli Novi: 18 (1890)

≡ *Platygrapha coccinea* Leight. 1866

Distribution in Brazil: AM, PE, MG, RJ, SP, PR (Lücking 2008); SC (Redinger 1936); PA (Cengia Sambo 1940); RS (Spielmann 2006); RO, SE (Cáceres et al. 2014b); BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060d, 50107a & 50523u).

Coenogonium barbatum Lücking, Aptroot & L. Umaña, in Rivas Plata, Lücking, Aptroot, Sipman, Chaves, Umaña & Lizano, Fungal Diversity 23: 273 (2006)

Distribution in Brazil: RO (Cáceres et al. 2014b); CE (Alves 2014).

Geographical record: new to Acre.

Examined material: ISE (50060a & 50523d).

Coenogonium confervoides Nyl., Flora, Regensburg 41: 380 (1858)

Distribution in Brazil: AL (Cáceres 2007); AM (Leighton 1866); AP (Cáceres & Aptroot 2016); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50060ao).

Coenogonium interplexum Nyl., Anns Sci. Nat., Bot., sér. 4 16: 92 (1862)

Distribution in Brazil: AM, PE (Lücking 2008); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); AL (Cáceres 2007); SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060u).

Coenogonium subluteum (Rehm) Kalb & Lücking, in Lücking & Kalb, Bot. Jb. 122(1): 34 (2000)

≡ *Biatorina sublutea* Rehm 1913

Distribution in Brazil: AM, RO, PE, MG, ES, SC (Lücking 2008); SP (Kalb 1988); RJ, PR (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); SE (Cáceres et al. 2014b); PB, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50153x).

Coenogonium subzonatum (Lüicking) Lüicking & Kalb, *Bibliotheca Lichenol.* 78: 254 (2001)
 ≡ *Dimerella subzonata* Lüicking 1999
 Distribution in Brazil: MT (Lüicking 2008); PE, AL (Cáceres 2007); CE (Menezes et al. 2013); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060an).

Dictyonema phyllophilum (Parmasto) Lüicking, Dal-Forno & Lawrey, in Lüicking, Dal-Forno, Lawrey, Bungartz, Holgado Rojas, Hernández, Marcelli, Moncada, Morales, Nelsen⁹, Paz, Salcedo, Spielmann, Wilk, Will-Wolf & Yáñez-Ayabaca, *Phytotaxa* 139(1): 22 (2013)

≡ *Dictyonema sericeum* f. *phyllophilum* Parmasto 1977

Geographical record: new to Brazil.

Examined material: ISE (50060i & 50153y).

Echinoplaca epiphylla Fée, *Essai Crypt. Exot. (Paris)*: xciii (1825) [1824]

Distribution in Brazil: AM, PE, SP (Lüicking 2008); RO (Cáceres et al. 2014b); PB, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060o).

Echinoplaca pellicula (Müll. Arg.) R. Sant., *Symb. bot. upsala.* 12(no. 1): 367 (1952)

≡ *Arthonia pellicula* Müll. Arg. 1883

Distribution in Brazil: PE, MT, RJ (Lüicking 2008); SP (Lüicking & Kalb 2000).

Geographical record: new to Acre.

Examined material: ISE (50060ax, 50523r & 50523z).

Eremothecella calamicola Syd. & P. Syd., *Annls mycol.* 15(3/4): 236 (1917)

Distribution in Brazil: AM, MA, PE (Lüicking 2008); SP (Lüicking & Kalb 2000); PA (Lüicking & Cáceres 2002); RO (Cáceres et al. 2014c); BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060ad).

Fellhanera fuscatula (Müll. Arg.) Vězda, *Folia geobot. phytotax.* 21(2): 214 (1986)

≡ *Patellaria fuscatula* Müll. Arg. 1881

Distribution in Brazil: PE, MG, RJ, SP, PR (Lüicking 2008); SE (Cáceres et al. 2014b); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50060q & 50107o).

Fellhanera rhapsidophylli (Rehm) Vězda [as 'rhapsidophylli'], *Folia geobot. phytotax.* 21(2): 214 (1986)

≡ *Bilimbia rhapsidophylli* Rehm 1914

Distribution in Brazil: AM, PE, SC (Lüicking 2008); RJ, SP (Lüicking & Kalb 2000); PE (Cáceres 2007); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50523l & 50153s).

Gyalectidium filicinum Müll. Arg., Flora, Regensburg 64: 9 (1881)

Distribution in Brazil: AM, PE, MG, RJ, SP, PR, SC, RS (Lücking 2008); PA (Lücking & Cáceres 2002); SE (Cáceres et al. 2014b); BA, PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060b, 50060r, 50107, 50153d & 50523o).

Gyalideopsis cochlearifera Lücking & Sérus. [as 'cochlearifer'], Lichenologist 30(6): 543 (1998)

Distribution in Brazil: PE (Lücking et al. 1999); SP (Lücking & Kalb 2000); RO, SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50060av).

Mazosia melanophthalma (Müll. Arg.) R. Sant., Symb. bot. upsal. 12(no. 1): 117 (1952)

≡ *Opegrapha melanophthalma* Müll. Arg. 1883

Distribution in Brazil: AM, RO, PA, AP, PE, BA, MT, SP, RS (Lücking 2008); MG (Kalb & Vězda 1988); SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060, 50107h, 50153, 50153r & 50523m).

Mazosia phyllosema (Nyl.) Zahlbr., Cat. Lich. Univers. 2: 503 (1923) [1924]

≡ *Platygrapha phyllosema* Nyl. 1873

Distribution in Brazil: AM, AP, PE, MT, MG, RJ, SC (Lücking 2008); PA, MT (Kalb & Vězda 1988); BA, SP (Marcelli 1992); RS (Spielmann 2006); SE (Cáceres 2007); RO (Cáceres et al. 2014c); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060l, 50060aw, 50107i, 50153q & 50523s).

Mazosia pilosa Kalb & Vězda, Folia geobot. phytotax. 23: 203 (1988)

Distribution in Brazil: AM, PE (Lücking 2008); PA, MT (Kalb & Vězda 1988); RO (Cáceres et al. 2014c); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50153ab).

Mazosia rotula (Mont.) A. Massal., Geneac. lich. (Verona): 9 (1854)

≡ *Strigula rotula* Mont., in Sagra 1845

Distribution in Brazil: AM, PA, PE, MG, SP, PR (Lücking 2008); BA, MT, RJ (Kalb & Vězda 1988); ES (Lücking & Kalb 2000); RS (Spielmann 2006); RO (Cáceres et al. 2014c); CE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060c, 50153ag & 50523i).

Mazosia rubropunctata R. Sant., Symb. bot. upsal. 12(no. 1): 122 (1952)

Distribution in Brazil: SP (Lücking 2008); AM (Kalb & Vězda 1988); PA (Lücking & Kalb 2000); RO (Cáceres et al. 2014c).

Geographical record: new to Acre.

Examined material: ISE (50523h).

Mazosia tumidula (Müll. Arg.) Zahlbr., Cat. Lich. Univers. 2: 504 (1923) [1924] – **Lücking (2008)**

≡ *Rotula tumidula* Müll. Arg. 1890

Distribution in Brazil: AC, AM, RR, PA, PE (Lücking 2008); MT (Lücking & Kalb 2000); RS (Spielmann 2006); RO (Cáceres et al. 2014c).

Examined material: ISE (50523g).

Microtheliopsis uleana Müll. Arg., Flora, Regensburg 73: 195 (1890)

Distribution in Brazil: AM, PA, PE, RJ, SP, PR, RS (Lücking 2008); RO (Aptroot & Cáceres 2013); BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50107k).

Myriostigma filicinum (Ellis & Everh.) Frisch & G. Thor, in Frisch, Thor, Ertz & Grube, Taxon 63(4): 739 (2014)

≡ *Ascomycetella filicina* Ellis & Everh. 1893

Distribution in Brazil: AM (Lücking 2008); CE (Menezes 2013); RO (Cáceres et al. 2014b); PA (Aptroot et al. 2017).

Geographical record: new to Acre.

Examined material: ISE (50060ay & 50153a).

Phyllobathelium leguminosae (Cavalc. & A.A. Silva) Lücking & Sérus., in Lücking, Sérusiaux, Maia & Pereira, Lichenologist 30(2): 157 (1998)

≡ *Septoriomyces leguminosae* Cavalc. & A.A. Silva, in Cavalcante, Cavalcanti & Leal 1972

Distribution in Brazil: RO (Lücking 2008); SP (Lücking & Kalb 2000).

Geographical record: new to Acre.

Examined material: ISE (50523k).

Phyllobathelium thaxteri (Vain.) Zahlbr., Cat. Lich. Univers. 8: 142 (1931) [1932]

≡ *Thelenella thaxteri* Vain. 1923

Distribution in Brazil: RS (Lücking 2008); RJ (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002).

Geographical record: new to Acre.

Examined material: ISE (50060ap & i 50153ac).

Porina conica R. Sant., Symb. bot. upsal. 12(no. 1): 232 (1952)

Distribution in Brazil: AM, AP, RO, MA, PE (Batista 1961, Batista & Cavalcante 1964, Batista & Maia 1960, 1961, 1967, Batista & Peres 1964, Batista et al. 1966, 1967).

Geographical record: new to Acre.

Examined material: ISE (50153o).

Porina epiphylla Fée, Essai Crypt. Exot. (Paris): 76 (1825) [1824]

Distribution in Brazil: AM, PA, AP, PE, BA, MT, MG, RJ, SP, PR, SC, RS (McCarthy 2003); RO (Aptroot & Cáceres 2013); SE (Cáceres 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060k, 50107f, 50153g & 50523ae).

Porina guianensis Lücking & Vězda, Willdenowia 28(1/2): 205 (1998)

Distribution in Brazil: AM, PA, AP (Lücking 2008); MA (McCarthy 2003); RO (Aptroot & Cáceres 2013); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50060g & 50523e).

Porina imitatrix Müll. Arg., Flora, Regensburg 73: 196 (1890)

Distribution in Brazil: AM, PA, PE, ES, RJ, SP, SC, RS (McCarthy 2003); SE (Cáceres 2007); RO (Aptroot & Cáceres 2013); PB (Xavier-Leite et al. 2013, 2015).

Geographical record: new to Acre.

Examined material: ISE (50107b & 50153p).

Porina moralesiae Lücking, Nova Hedwigia 52(3-4): 279 (1991) – **Lücking (2008)**

Distribution in Brazil: AC (Lücking 2008).

Porina rufula (Kremp.) Vain., Acta Soc. Fauna Flora fenn. 7(no. 2): 227 (1890)

≡ *Verrucaria rufula* Kremp. 1874

Distribution in Brazil: AM, PA, PE, RJ, SP, PR, SC, RS (McCarthy 2003); MG (Aptroot 2002); SE, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060e, 50523a & 50523ad).

Puiggariella nemathora (Mont.) S.H. Jiang, Lücking & J.C. Wei, Fungal Diversity 102: 282 (2020)

≡ *Strigula nemathora* Mont., in Sagra 1845

Distribution in Brazil: AM, RO, PE, BA, SC (Lücking 2008); SP (Kalb 1981); CE, ES, RJ (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060af, 50107g & 50523n).

Racoplaca melanobapha (Kremp.) S.H. Jiang, Lücking & J.C. Wei, in Hongsanan et al., Fungal

Diversity: 10.1007/s13225-020-00462-6, [136] (2020)

≡ *Verrucaria melanobapha* Kremp. 1874

Distribution in Brazil: AM, PE (Lücking 2008); SP (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RO (Aptroot & Cáceres 2013).

Geographical record: new to Acre.

Examined material: ISE (50060ai, 50060ae, 50060as, 50107e & 50523y).

Segestria rubentior (Stirt.) R.C. Harris, More Florida Lichens, Incl. 10 Cent Tour Pyrenol. (New York): 176 (1995)

≡ *Verrucaria rubentior* Stirt. 1879

Distribution in Brazil: AM, RO, PA, CE, PE, BA, MG, RJ, SP, SC, RS (McCarthy 2003); ES (Lücking 2008); SE (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060h, 50107q, 50153t & 50523q).

Sporopodium lepreurii Mont., Annl. Sci. Nat., Bot., sér. 3 16: 54, pl. 16, fig. 1 (1851)

Distribution in Brazil: AM, PE, SP (Lücking 2008); MT, ES (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RS (Spielmann 2006).

Geographical record: new to Acre.

Examined material: ISE (50060z & 50523j).

Sporopodium phyllocharis (Mont.) A. Massal., *Alcuni Gen. Lich.*: 9 (1853)

≡ *Biatora phyllocharis* Mont. 1848

Distribution in Brazil: PE, SP, SC (Lücking 2008); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); SE (Cáceres et al. 2014b); PB, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50153h).

Strigula nitidula Mont., in Sagra, *Histoire física, política y natural de la islea de Cuba* 9: 93 (1845)

Distribution in Brazil: AM, PE, MG, SP (Lücking 2008); RJ (Krempelhuber 1876); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); RO (Aptroot & Cáceres 2013); SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50107n).

Strigula phyllogena (Müll. Arg.) R.C. Harris, *More Florida Lichens, Incl. 10 Cent Tour Pyrenol.*

(New York): 159 (1995)

≡ *Porina phyllogena* Müll. Arg. 1883

Distribution in Brazil: AM, PE, SP, SC (Lücking 2008); MT, RJ (Lücking & Kalb 2000); PA (Lücking & Cáceres 2002); RS (Spielmann 2006); RO (Aptroot & Cáceres 2013); BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060n, 50107c, 50153c & 50060t).

Strigula platypoda (Müll. Arg.) R.C. Harris, *More Florida Lichens, Incl. 10 Cent Tour Pyrenol.* (New York): 159 (1995)

≡ *Porina platypoda* Müll. Arg. 1883

Distribution in Brazil: AM, PE, RJ, SP (Lücking 2008); PA (Cengia Sambo 1940); RO (Aptroot & Cáceres 2013); PB, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50107r & 50523x).

Strigula smaragdula Fr., *Linnaea* 5: 550 (1830)

Distribution in Brazil: AM, PE, PR (Lücking 2008); MG (Vainio 1890); RJ, SC (Müller 1891a, 1891b); PA (Cengia Sambo 1940); MT, ES, SP (Lücking & Kalb 2000); RS (Spielmann 2006); RO (Aptroot & Cáceres 2013); SE (Cáceres 2014b); PB, BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060ah, 50107m, 50153k & 50523c).

Thelenella geminipara (Malme) R.C. Harris, *More Florida Lichens, Incl. 10 Cent Tour Pyrenol.*

(New York): 165 (1995)

≡ *Porinopsis geminipara* Malme 1928

Distribution in Brazil: RS (Lücking 2008); SP (Lücking & Kalb 2000); PE (Cáceres 2007); RO (Aptroot & Cáceres 2013).

Geographical record: new to Acre.

Examined material: ISE (50060w).

Tricharia melanothrix Fée, Essai Crypt. Exot. (Paris): xcvi, cii (1825) [1824]

Distribution in Brazil: AM, PA (Cengia Sambo 1940); RJ (Vainio 1890); SE (Cáceres et al. 2014b).

Geographical record: new to Acre.

Examined material: ISE (50060ac & 50523ab).

Tricharia urceolata (Müll. Arg.) R. Sant., Symb. bot. upsal. 12(no. 1): 384 (1952)

≡ *Lopadium urceolatum* Müll. Arg. 1881

Distribution in Brazil: MG, PE, SP, RS (Lücking 2008); ES (Lücking & Kalb 2000); RO, SE (Cáceres et al. 2014b); PB (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50060f & 50153e).

Trichothelium argenteum Lücking & L.I. Ferraro, Lichenologist 29(3): 217 (1997) - Lücking (2008)

Distribution in Brazil: AC, PE, MT, SP, SC (Lücking 2008); PR (Lücking & Kalb 2000); RO (Aptroot & Cáceres 2013); SE (Cáceres et al. 2014b).

Trichothelium bipindense F. Schill., Hedwigia 67: 278 (1927)

Distribution in Brazil: AM, RO, PB, PE, SP, PR, SC, RS (Lücking 2008); PA (McCarthy 2003); BA (Santos et al. 2016c).

Geographical record: new to Acre.

Examined material: ISE (50523aa).

Trichothelium pallescens (Müll. Arg.) F. Schill., Hedwigia 67: 278 (1927)

≡ *Trichothelium epiphyllum* var. *pallescens* Müll. Arg., Flora, Regensburg 68(18): 344 (1885).

Distribution in Brazil: BA, RS (Lücking 2008); PA (Cengia Sambo 1940); RO (Aptroot & Cáceres 2014).

Geographical record: new to Acre.

Examined material: ISE (50523f; 50523w).

Trichothelium pauciseptatum Vězda, Nova Hedwigia 58(1-2): 140 (1994)

Geographical record: new to Brazil.

Examined material: ISE (50523f; 50523w).

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