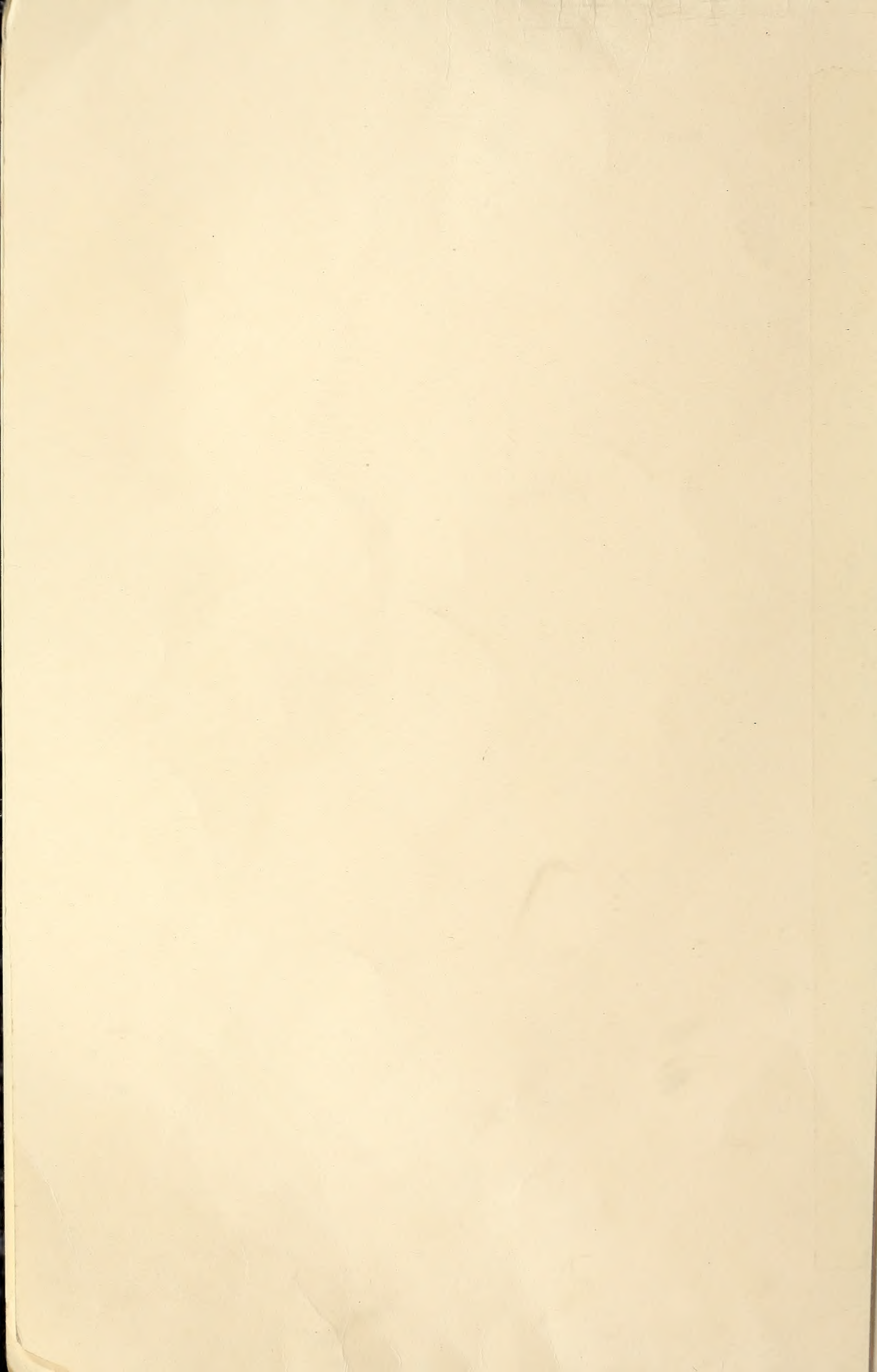


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THE PLANT DISEASE REPORTER

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THE PLANT DISEASE SURVEY

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Division of Mycology and Disease Survey

BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING.

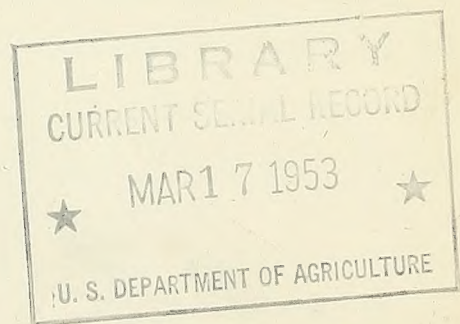
AGRICULTURAL RESEARCH ADMINISTRATION

UNITED STATES DEPARTMENT OF AGRICULTURE

A CHECK LIST OF ALASKAN FUNGI

Supplement 219

February 15, 1953



The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

THE PLANT DISEASE REPORTER

EDITED BY

THE PLANT DISEASE SURVEY

Division of Botany and Plant Pathology

BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING

AGRICULTURAL RESEARCH ADMINISTRATION

UNITED STATES DEPARTMENT OF AGRICULTURE

A CHECK LIST OF ALLIED PUBLISHERS

February 15, 1933

Number 215



The following is a list of publishers of plant disease reports, arranged in alphabetical order of the name of the publisher. The list is intended to be used as a check list for the purpose of determining the source of a report. The list is based on the information available in the files of the Bureau of Plant Industry, Soils and Agricultural Engineering, United States Department of Agriculture, at the time of the survey. It is not intended to be a complete list of all publishers of plant disease reports, but rather a list of those publishers whose reports are known to have been received by the Bureau. The list is subject to change as new reports are received and as the files of the Bureau are updated.

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PLANT DISEASE REPORTER SUPPLEMENT

Issued by

THE PLANT DISEASE SURVEY
DIVISION OF MYCOLOGY AND DISEASE SURVEY

Plant Industry Station

Beltsville, Maryland

A CHECK LIST OF ALASKAN FUNGI

Edith K. Cash

7b
Plant Disease Reporter,
Supplement, 219)

February 15, 1953

With the exception of a few fairly extensive lists, particularly those published by J. P. Anderson (1915-1952), and the paper by Saccardo, Peck, and Trelease on the fungi collected on the Harriman Expedition, records of fungi collected in Alaska are widely scattered through the literature. In view of the increasing interest in the flora of the Territory, and especially of the fungi causing plant diseases which are important from an economic standpoint, it has seemed advisable to compile the available references to the fungi reported from Alaska in a single list, including also records from herbarium specimens.

Host plants and localities are cited where known. Where the reference is to "Alaska", with no more definite place of collection, no locality is given in this list. The numbers following these data in each instance refer to corresponding numbers of the Literature Cited, indicating where the published record was found. Where data were obtained from unpublished records, the name of the collector is cited instead of a number to a literature citation. Such records were taken from herbarium specimens, for the most part in the Mycological Collections of the Bureau of Plant Industry and the National Herbarium Fungus Collections, both at the Plant Industry Station, Beltsville, and identified by past and present members of the Division of Mycology. Most of the rusts have been determined by George B. Cummins.

The arrangement follows that of Martin's Outline of the Fungi, 1950. It has obviously been impossible to verify determinations, particularly where names were taken from the literature, but some evident errors have been corrected and an attempt has been made to revise the nomenclature to conform with modern usage. Pre-starting-point authorities have been omitted from the names of fungi.

The writer is indebted to S. F. Blake for a revision of the host names, to G. B. Cummins for checking the section on rusts and for supplying additional records from the Arthur Herbarium, and to various collectors who have cooperated with this project by supplying material for study, particularly D. V. Baxter, D. M. Coe, C. L. Lefebvre, and G. A. Llano.

MYXOMYCETES

- ARCYRIA CINEREA (Bull.) Pers., 47; Stikine River, 59.
- ARCYRIA DENUDATA (L.) Sheldon, Stikine River, 59.
- CERATIOMYXA FRUTICULOSA (O. F. Muell.) Macbr., Stikine River, 59.
- DIDERMA NIVEUM (Rost.) Macbr., Disenchantment Bay, Yakutat Bay, Orca, 59.
- DIDYMIUM DUBIUM Rost., 51.
- FULIGO SEPTICA (L.) G. F. Weber on Fragaria (Sitka hybrid), Palmer, D. M. Coe.
- STEMONITIS SMITHII Macbr., Stikine River, 59.
- TRICHIA SCABRA Rost., 47; Stikine River, 59.
- TUBIFERA FERRUGINOSA (Batsch) Gmel., Stikine River, 59.

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- ALBUGO CANDIDA (Chev.) Kuntze on Cruciferae, Kodiak, 31.
- Cystopus candidus (Chev.) Lév.: See ALBUGO CANDIDA.
- EMPUSA MUSCAE (Fr.) Cohn, 72.
- LAGENIDIUM ENTOPHYTUM (Pringsh.) Zopf on Spirogyra porticalis, Popof Isl., 59.
- PERONOSPORA ALTA Fckl. on Plantago sp., Cordova, 22.
- PERONOSPORA FICARIAE Tul. on Ranunculus sp., Glacier Bay, 59.
- PERONOSPORA OBOVATA Bon. on Spergula arvensis, Sitka, 4, 21.
- PERONOSPORA PARASITICA Fr. on Arabis hirsuta, near Juneau, 4; Yakutat, 59; Capsella bursa-pastoris, Matanuska, Fairbanks, D. M. Coe.
- PERONOSPORA POTENTILLAE DBy. on Potentilla sp., Wrangell, 22.
- PHLYCTORHIZA VARIABILIS Karling, isolated from dead human skin in soil, St. Lawrence Isl., 39.
- PHYSODERMA MENYANTHIS DBy. on Menyanthes trifoliata, Kukak Bay, 59.
- PHYTOPHTHORA INFESTANS (Mont.) DBy. on Solanum tuberosum, Wrangell, 22.
- PLASMIDIOPHORA BRASSICAE Wor. on Brassica campestris, Sitka, 4; B. oleracea, Sitka, 1, 2, 4, 31; Raphanus sativus, Sitka, 4.
- PLASMOPARA EPILOBII (Rab.) Schroet. on Epilobium latifolium, Sitka, 4; Haines, 21; Cordova, Valdez, 22.
- PLASMOPARA NIVEA (Ung.) Schroet. on Ligusticum hultenii (L. scothicum), Valdez, 22; L. sp., Skagway, 21; Umbelliferae, Seward, 22.
- PYTHIUM GRACILE Schenk on Spirogyra porticalis, Popof Isl., 59.
- RHIZOPHIDIUM SPHAEROCARPUM (Zopf) Alf. Fisch. subsp. CRYOPHILUM Laszló Bérázi on Ancyclonema nordenskioldii, Columbia Glacier, 41.

SOMMERSTORFFIA SPINOSA Arnaudow in wet soil, Talkeetna Mts. and grown on rotifers in culture, 40.

TAPHRINALES

Exoascus cerasi (Fckl.) Sadeb: See TAPHRINA CERASI.

Exoascus deformans (Berk.) Fckl.: See TAPHRINA DEFORMANS.

TAPHRINA AMENTORUM (Sadeb.) Rostr. on Alnus oregona (A. rubra), Lake Pironsi Glacier, 50.

TAPHRINA CERASI (Fckl.) Sadeb. on Prunus avium, Sitka, 2, 4, 21.

TAPHRINA DEFORMANS (Berk.) Tul. on Amygdalus persica, Sitka, 2, 4.

TAPHRINA JAPONICA Kusano on Alnus oregona (A. rubra), Sitka, 50, 21 (as T. tosquetii).

EUROTIALES

EUROTIUM HERBARIORUM (Wigg.) Lk. on Geum sp., Yes Bay, 59; Coptis trifoliata (Helleborus trifolius). Unalaska, 28.

DOTHIDEALES

AMERODOTHIS sp. on Kalmia polifolia (K. microphylla), Ketchikan, 21.

APIOSPORA PARALLELA (Karst.) Sacc. on Arctagrostis latifolia, Kotzebue, C. L. Lefebvre.

CRYPTOMYCES PTERIDIS (Fr.) Rehm on Pteridium aquilinum lanuginosum (P. pubescens), Sitka, 4.

CYMADOTHEA TRIFOLII (Fr.) Wolf on Trifolium repens, Skagway, 21; Sitka, W. H. Evans.

Dothidea betulina var. betulae nanae Fr.: See EURYACHORA BETULINA.

? DOTHIDEA DENIGRANS Schw. on Kalmia polifolia (K. microphylla), 21. Doubtful species; referred by Saccardo to Phyllachora but does not belong in the latter genus according to Theissen and Sydow.

DOTHIDELLA ADUSTA (Fckl.) Lind, 44.

DOTHIDELLA ALNI Pk. on Alnus sp., Lake Hardy, C. E. Prince; Anaktuvuk Pass, G. A. Llano.

Dothidella betulina (Fr.) Sacc.: See EURYACHORA BETULINA.

DOTHIDELLA BETULINA YAKUTATIANA Sacc. & Scalia on leaves of unknown plant, Yakutat Bay, 59. See Theissen & Sydow, Ann. Myc. 13: 366. 1915.

DOTHIDELLA SPHAERELLOIDES Dearn. on Saxifraga hirculus, 26.

EURYACHORA BETULINA (Fr.) Schroet., 26; Kotzebue Sound, 37, 42, 58; On Alnus sp., Anaktuvuk Pass, G. A. Llano; Betula glandulosa, Port Clarence, 59.

LIMACINIA? ALASKENSIS Sacc. & Scalia on Alnus sp., Glacier Bay, 59.

PHRAGMODOTHELLA RIBESIA (Fr.) Petr. on Ribes hudsonianum, Sitka, 4; Ribes rubrum (R. vulgare), Sitka, 4; Skagway, Haines, 21; Matanuska, C. L. Lefebvre.

Phyllachora filicina Sacc. & Scalia: See TRABUTIELLA FILICINA.

PHYLLACHORA GRAMINIS (Fr.) Fckl. on Calamagrostis canadensis scabra (C. langsdorfii), Sitka 4.

PHYLLACHORA HERACLEI (Fr.) Fckl. on Heracleum lanatum, Sitka, 4; Haines, 21; Unga Isl., 59.

Phyllachora pteridis (Fr.) Fckl.: See CRYPTOMYCES PTERIDIS.

Phyllachora trifolii (Fr.) Fckl.: See CYMADOTHEA TRIFOLII.

PHYLLACHORA WITTROCKII (Eriks.) Sacc. on Linnaea borealis longifolia, Sitka, 4.

Plowrightia ribesia (Fr.) Sacc.: See PHRAGMODOTHELLA RIBESIA.

TRABUTIELLA FILICINA (Sacc. & Scalia) Th. & Syd. on Polystichum (Aspidium) lonchitis, Unalaska, 59.

Tripospora elegans Cda.: See TRIPOSPORIUM ELEGANS.

MICROTHYRIALES

DIMEROSPORIUM TSUGAE Dearn. on Tsuga heterophylla, Sitka, 21; Prince of Wales Isl., 23; T. sp., Cordova, 22.

MICROTHYRIUM HARRIMANI Sacc. on Tsuga heterophylla, Orca, 59.

MELIOLALES

Asterina cupressina Cke.: See ASTERINELLA CUPRESSINA.

ASTERINELLA CUPRESSINA (Rehm) Th. on Chamaecyparis nookatensis, Sitka, 4.

ERYSIPHALES

Erysiphe cichoracearum DC.: See E. COMMUNIS.

ERYSIPHE COMMUNIS Fr. on Achillea borealis, Sitka, 3; Juneau, 21; Artemisia arctica, Kodiak Isl., W. H. Horne; Artemisia tilesii elatior (A. elatior), Skagway, 21; Artemisia sp., Sitka, 4; Chrysanthemum hortorum, Sitka, 4; Mertensia sp., Circle, Palmer, D. M. Coe; Mt. McKinley Nat. Park, Palmer, C. L. Lefebvre; Solidago sp., Haines, 4, 21.

ERYSIPHE GRAMINIS Merat on Agropyron latiglume, Copper Center, C. L. Lefebvre; A. sericeum, Palmer, C. L. L.; Agrostis exarata, 3, 68; Sitka, 4; Beckmannia sp., Fairbanks, C. L. L.; Elymus junceus, Matanuska, C. L. L.; Hordeum brachyantherum, Valdez, C. L. L.; Poa pratensis, 68; Skagway, Mendenhall, 21; Homer, Circle, D. M. Coe and C. L. L.; Matanuska, Talkeetna Mts., Fairbanks, Mt. McKinley Nat. Park, Kotzebue, C. L. L.; Puccinellia borealis, Circle, C. L. L.; undet. Gramineae, Sitka, 2, 3.

ERYSIPHE POLYGONI Mérat on Aquilegia formosa, Skagway, 4, 21; Haines, 4; Tenakee, 21; Geum macrophyllum, Haines, 4, 21; Skagway, 4; Ketchikan, 21; Lathyrus japonica (L. maritimus), Haines, 4, 21; Skagway, 4; L. palustris, Haines, 21; Lupinus nookatensis, Mendenhall, 21; Ranunculus sp., Sitka, 3; Vicia gigantea (V. sitchensis), Ketchikan, 21.

Microsphaeraalni Wint.: See M. PENICILLATA.

Microsphaeraalni Wint. var. vaccinii (Schw.) Salm.: See M. PENICILLATA VACCINII.

MICROSPHAERA PENICILLATA (Fr.) Lév. on Alnus fruticosa sinuata (A. sitchensis), Sitka, 3, 4, 21; Skagway, 4, 21; Juneau, 21.

MICROSPHAERA PENICILLATA (Fr.) Lev. var. VACCINII (Schw.) W. B. Cke. on Menziesia

ferruginea, Vaccinium alaskense, and V. parvifolium, Ketchikan, 21.

PODOSPHAERA CLANDESTINA (Fr.) Lév. on Vaccinium uliginosum, Mendenhall, 21.

PODOSPHAERA LEUCOTRICHA (Ell. & Ev.) Salm. on Malus (hybrid), Sitka, 21.

Podosphaera oxyacanthae (DC.) D By.: See P. CLANDESTINA.

Sphaerotheca humuli (DC.) Burr.: See S. MACULARIS.

Sphaerotheca humuli fuliginea (Schlecht.) Salm.: See S. MACULARIS var. FULIGINEA.

SPHAEROTHECA MACULARIS (Fr.) W. B. Cke. on Epilobium glandulosum (E. affine), 3, 4; Ketchikan, 21; E. hornemanni, Juneau, 21; Fragaria chiloensis and F. platypetala, Sitka, 3; F. hybrids, Sitka, 4; Ribes aureum, Sitka, 3; R. bracteosum, Sitka, 2, 3, 4; Chatham, 21; R. bracteosum x nigrum, Juneau, 21; R. rubrum, Sitka, 2, 3; Rubus parviflorus, Tenakee, 21; R. spectabilis, Sitka, 2, 3, 4, 21; R. sp. (cult. raspberry) Fairbanks, J. C. Chamberland; Palmer, Matanuska, D. M. Coe; Sanguisorba officinalis (S. microcephala), Ketchikan, 21; Saxifraga punctata nelsoniana (S. aestivalis), Juneau, 21; Shepherdia (Lepargyrea) canadensis, Skagway, 21; Shepherdia sp., Mt. McKinley Nat. Park, C. L. Lefebvre.

SPHAEROTHECA MACULARIS var. FULIGINEA (Fr.) W. B. Cke. on Arnica latifolia, Skagway, 4; Astragalus sp., Valdez, D. V. Baxter; Erigeron peregrinus, Juneau, 21; Matricaria matricarioides (Chamomilla suaveolens), Klukwan, 21; Prenanthes alata (Nabalus hastatus), Skagway, 21; P. (Nabalus) sp., Petersburg, 22; Scorzonella borealis, Ketchikan, 21; Taraxacum officinale, Skagway, 21; Tellima grandiflora, Juneau, 21; Tiarella trifoliata, Sitka, 21.

SPHAEROTHECA MORS-UVAE (Schw.) Berk. & Curt. on Ribes grossularia, Sitka, 4, 21; R. g. var. uva-crispa (R. uva-crispa), Sitka, 3; R. lacustre (R. echinatum), Sitka, 1, 2, 3, 4; Skagway, Tenakee, Haines, 21; R. rubrum (R. vulgare), Sitka, 4; Skagway, 21.

SPHAEROTHECA PANNOSA (Fr.) Lév. on Rosa acicularis, Haines, 21; R. sp., Sitka, 2, 3, 4; Juneau, Ketchikan, 21.

SPHAEROTHECA sp. on Matricaria matricarioides (Chamomilla suaveolens), Sitka, 4.

UNCINULA SALICIS (Mérat) Wint. on Populus trichocarpa, Skagway, 3, 21; Sitka, 4; Haines, 21; Salix alaxensis, Haines, 21; S. barclayi, Haines, 21; S. myrtilifolia, Fairbanks, D. M. Coe; S. sitchensis, Sitka, 4; S. sp., Sitka, 4; Skagway, 21; Fairbanks, J. W. Kimmey and M. E. Fowler.

HYPOCREALES

Claviceps microcephala (Wallr.) Tul.: See CLAVICEPS PURPUREA.

CLAVICEPS PURPUREA (Fr.) Tul. on Agrostis exarata, 68; Arctagrostis latifolia, Berg, C. L. Lefebvre; Kenai, G. W. Gasser; Bromus sp., Matanuska, D. M. Coe; Calamagrostis canadensis var. scabra (C. langsдорфii), 68; Sitka, 4; Haines, 21; C. nutkaensis (C. aleutica), 68; Sitka, 4; Ketchikan, 21; Colpodium fulvum (Arctophila fulva), 68; Dactylis glomerata, 68; Sitka, 4; Elymus mollis, 68; Sitka, 4; Chatham, Haines, 21; Homer, D. M. Coe; Admiralty Isl., D. V. Baxter; Kenai, G. W. Gasser; Unalakleet, Valdez, Homer, C. L. L.; Festuca rubra, Unalakleet, C. L. L.; Glyceria pauciflora, 68; Hordeum brachyantherum (H. boreale, H. nodosum), 68; Sitka, 4, 68; Kenai, C. L. L.; Phleum pratense, 68; Sitka, 4.

CORDYCEPS MILITARIS (Fr.) Lk. on insect pupae, Orca, 59.

HYALODOTHIS CARICIS Pat. & Har. on Carex buxbaumii, Sitka, 27; C. enanderi, Attu, 27; C. limosa, Knight Isl. (Prince William Sound), 27; C. lyngbyei, Kiska, 27; C. pauciflora,

Sitka, 27.

HYPOCREA CITRINA Fr. on Fomes pinicola, Prince of Wales Isl., 23.

NECTRIA CINNABARINA Fr., New Metlakatla, 59; on Alnus fruticosa sinuata (A. sitchensis), Sitka, 4; A. sp., 21; Amelanchier sp., Sitka, 4; Epilobium angustifolium (Chamaenerion spicatum), Sitka, 4; Malus (Pyrus) baccata, Sitka, 4; M. (Pyrus) diversifolia, Sitka, 4; M. sylvestris, Sitka, 1, 4; M. sp., Matanuska, C. L. Lefebvre; Prunus cerasus, Sitka, 4; P. domestica, Sitka, 4; P. padus, Sitka, 4; P. sp., Sitka, 1; Ribes bracteosum, Sitka, 4, 19; Ribes hudsonianum, Sitka, J. P. Anderson; Ribes nigrum, Sitka, 4; Ribes rubrum (R. vulgare), Sitka, 4; Matanuska, C. L. L.; Ribes sanguineum, Sitka, 4; Ribes sp., Sitka, 1, 4; Rosa nutkana, and R. rugosa, Sitka, 4; Rubus parviflorus, R. spectabilis, and R. strigosus, Sitka, 4; Salix purpurea, S. viminalis, and S. sp., Sitka, 4; Sambucus callicarpa, Sitka, J. P. Anderson; Sambucus pubens, Sitka, 4; Sorbus sitchensis, Sitka, 4; Sorbus sp., Fairbanks, C. L. L.; Tilia americana, 21; Viburnum sp., Sitka, 4.

NECTRIA CORYLI Fckl. on Salix sp., Kodiak, 13

NECTRIA EPISPHAERIA Fr. on Sphaeriaceae on Alnus sp., Sitka, 59.

NECTRIA SANGUINEA Fr., New Metlakatla, 59.

PODOSTROMA ALUTACEUM (Fr.) Atk., Wrangell, J. C. Scudder et al.

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AMPHISPHAERIA APPLANATA (Fr.) Ces. & De N., Yakutat Bay, 59.

ANTENNARIA RECTANGULARIS Sacc. on Cassiope (Harrimanella) sp., Nelly Juan, 21; Phyllodoce glanduliflora, Sitka, 2. Antennaria Lk. ex Fr. = Antennularia Reichenb. = Gibbera sec. Petrak.

ANTHOSTOMA MICROSPORUM Karst. on Alnus sp., Skagway, D. V. Baxter.

? APIOPORTHE BAVARICA (Petr.) Wehm. on Alnus sp., Valdez, D. V. Baxter.

CERIOSPORA RIBIS P. Henn. & Ploettn. on Ribes bracteosum, Sitka, 4, 21; Juneau, 21.

CLATHROSPORA PENTAMERA (Karst.) Berl. 42; on Carex aquatilis (C. stans), Camden Bay, 44; DuPontia fischeri, Walden Isl., 59; Puccinellia tenella, Camden Bay, 44.

COLEROA POTENTILLAE (Fr.) Wint. on Potentilla sp., Nimilchik, D. M. Coe.

CRYPTODIAPORTHE CALOSPHAEROIDES (Ell. & Ev.) Wehm. on Sambucus pubens, Sitka, 4.

CRYPTODIAPORTHE SALICINA (Curr.) Wehm. on Salix sp., Sitka, 4.

CUCURBITARIA CONGLOBATA (Fr.) Ces. on Alnus fruticosa sinuata (A. sitchensis), Sitka, 4; A. sp., Sitka, Skagway, 21.

DALDINIA OCCIDENTALIS Child on Betula papyrifera occidentalis, Skilak Lake (Kenai Peninsula), J. W. Kimmey and M. E. Fowler; Betula sp., Wasilla, D. M. Coe.

DIAPORTHE ANISOMERA Sacc. & Scalia on ? Corylus sp., Yakutat Bay, 59. Probably an Apioporthesec. Wehmeyer, Genus Diaporthesec. 275. 1933.

Diaporthesec. calosphaeroides Ell. & Ev.: See CRYPTODIAPORTHE CALOSPHAEROIDES.

Diaporthesec. concregens (Schw.) Cke.: See DIAPORTHE ERES.

DIAPORTHE ERES Nits. on Ribes sp., Sitka, 4, 59.

- Diaporthe marginalis* Pk.: See *MELANCONIS ALNI* var. *MARGINALIS*.
- Diaporthe pungens* Nits.: See *D. ERES*
- Diaporthe salicella* Fr.: See *CRYPTODIAPORTHE SALICINA*.
- DIAPORTHE SOCIABILIS* var. *SAMBUCI* (Ell. & Ev.) Wehm. on *Sambucus* sp., Kodiak, 13; Seward, Juneau, D. V. Baxter
- DIAPORTHE STRUMELLA* (Fr.) Fckl. f. *OLIGOCARPA* on *Ribes laxiflorum*, Sitka, 59.
- DIATRYPE BULLATA* Fr. on *Populus trichocarpa*, Skagway, 21; *Salix* sp., Kodiak Isl., W. T. Horne.
- DIATRYPE DISCIFORMIS* Fr. on *Alnus* sp., Skagway, 21.
- DIATRYPE STIGMA* Fr. on *Alnus* sp., Skagway, 21; *Betula resinifera* (*B. alaskana*), Fairbanks, 18.
- DIATRYPELLA DISCOIDEA* Cke. & Pk. on *Betula resinifera* (*B. alaskana*), Fairbanks, 18.
- Didymella epilobii* (Fckl.) Sacc.: See *DIDYMOSPHAERIA FENESTRANS*.
- DIDYMELLA EUPYRENA* Sacc. on *Urtica lyallii*, Sitka, 4.
- DIDYMOSPHAERIA ARENARIA MACROSPORA* Sacc. & Scalia on *Deschampsia (Aira) caespitosa*, Shumagin Isls., 59.
- DIDYMOSPHAERIA FENESTRANS* (Duby) Wint. on *Epilobium (Chamaenerion) angustifolium*, Sitka, 21; Kodiak Isl., W. T. Horne.
- DIDYMOSPHAERIA JOHANSENII* Dearn. on *Mertensia maritima*, Spy Isl., 26.
- DIDYMOSPHAERIA NANA* Rostr. on *Alnus* sp., Port Well, 59.
- DIDYMOSPHAERIA OREGONENSIS* Goodding on *Alnus* sp., Ketchikan, D. V. Baxter.
- DIDYMOSPHAERIA* sp. on *Elaeagnus angustifolia*, 4.
- EUTYPELLA ANGULOSA* (Nits.) Sacc., Koyukuk, D. V. Baxter.
- EUTYPELLA CERVICULATA* (Fr.) Sacc. on *Alnus fruticosa sinuata*, Nenana 18.
- EUTYPELLA SORBI* (G. Kunze & Schm.) Sacc. on *Sorbus* sp., Hope, D. V. Baxter.
- EUTYPELLA STELLULATA* (Fr.) Sacc. on *Alnus* sp., Nenana, 18.
- GIBBERA VACCINII* Fr. on *Vaccinium vitis-idaea*, Ketchikan, Sitka, 21.
- GIBBERIDEA RIBIS* Tracy & Earle on *Ribes grossularia*, Sitka, 21.
- GNOMONIA DEPRESSULA* Karst. on *Rubus strigosus* x *parvifolius*, and *Rubus* sp. Sitka, 21.
- Gnomonia fenestrans* (Duby) Sacc.: See *DIDYMOSPHAERIA FENESTRANS*.
- GNOMONIA* sp. on *Salix richardsoni*, Camden Bay, 26.
- GNOMONIELLA TUBIFORMIS* (Fr.) Sacc. on *Alnus fruticosa sinuata (A. sitchensis)*, Berg, C. L. Lefebvre; *Alnus* sp., Port Wells, 59; Haines, J. P. Anderson.
- GUIGNARDIA ALASKANA* M. Reed, 72 (as "Guinardella"); on *Prasiola borealis*, Unalaska,

- Kodiak Isl., 56; Baranof Isl., 59.
- HERPOTRICHIA NIGRA Hartig, Tunnel, 13; on Tsuga mertensiana, Chugach Nat. Forest, 12.
- HYPOXYLON BLAKEI Berk. & Curt. on Salix alaxensis, Anaktuvuk Pass, G. A. Llano.
- HYPOXYLON FRAGIFORME (Fr.) Petr. on Alnus fruticosa sinuata, Anchorage, J. W. Kimmey and M. E. Fowler.
- HYPOXYLON FUSCUM Fr., Koyukuk, Tunnel, 13; on Alnus sp., Mt. McKinley Nat. Park, D. V. Baxter.
- HYPOXYLON MAJUSCULUM Cke. on Alnus fruticosa sinuata (A. sitchensis), Yakutat Bay, 59.
- HYPOXYLON MULTIFORME Fr. on Alnus sp., Seward and Betula kenaica, Great Lake, D. V. Baxter.
- HYPOXYLON OHIENSE Ell. & Ev. on Picea sp., Sitka, 59.
- LAESTADIA SAXIFRAGAE Sacc. & Scalia on Saxifraga parviflora, Unalaska, 59.
- LEPTOSPHAERIA ACUTA (Moug.) Karst. on Urtica lyallii, Sitka, 4.
- LEPTOSPHAERIA AGNITA ssp. LABENS Sacc. & Scalia on herbaceous stems, Unalaska, 59.
- LEPTOSPHAERIA CONIOTHYRIUM (Fckl.) Sacc. on Ribes nigrum, Sitka, 4.
- LEPTOSPHAERIA CULMIFRAGA (Fr.) Ces. & De N. on Calamagrostis nutkaensis (C. aleutica), Sitka, 4; near Circle, C. L. Lefebvre.
- LEPTOSPHAERIA DOLIOLUM (Fr.) Ces. & De N., Aleutian Isls., G. A. Llano; Heracleum sp., Kodiak, 59.
- LEPTOSPHAERIA FOENICULACEA ssp. LUPINA Sacc. & Scalia on Lupinus sp., Disenchantment Bay, 59.
- LEPTOSPHAERIA (? FOLLICULATA Ell. & Ev.) on Carex sitchensis, Sitka, 4.
- LEPTOSPHAERIA JUNCICOLA Rehm on Scirpus caespitosus callosus. Shumagin Isl., 59.
- LEPTOSPHAERIA LEERSIANA Sacc. on Agrostis sp., Yes Bay, 59.
- Leptosphaeria marginata Niessl: See SPHAERULINA MARGINATA.
- LEPTOSPHAERIA MODESTA (Desm.) Auers. on Castilleja pallida, Port Clarence, 44.
- LEPTOSPHAERIA OPHIOPOGONIS GRAMINUM Sacc. on Festuca rubra, Yes Bay, 59.
- LEPTOSPHAERIA SILENES ACAULIS De N., Unalaska, 43; on Silene-acaulis, Unalaska, 59; Stellaria humifusa, Preobraschenie Isl., 44.
- LEPTOSPHAERIA sp. on Vicia faba, Sitka, 4.
- LINOSPORA TETRASPORA G. E. Thompson on Populus trichocarpa, Haines, Skagway, 21 (as L. populina?); Populus sp., Matanuska, D. M. Coe.
- MASSARINA DRYADIS Rostr. on Dryas integrifolia (D. octapetala integrifolia), Point Barrow, 59.
- MELANCONIS ALNI Tul. var. MARGINALIS (Pk.) Wehm. on Alnus fruticosa sinuata (A.

- sitchensis), Sitka, 4.
- MELANCONIS STILBOSTOMA (Fr.) Tul. on Betula resinifera (B. alaskana), Fairbanks, 18.
- MELANCONIS THELEBOLA (Fr.) Sacc. on Alnus sp., Ketchikan, D. V. Baxter.
- MELANOMMA PULVIS-PYRIUS (Fr.) Fckl. on Alnus sp., Sitka, 21; Salix sp., Cordova, D. V. Baxter.
- MELANOMMA SAMBUCI Earle on Sambucus sp., Juneau, 21.
- MELOGRAMMA sp. on Menziesia ferruginea, Sitka, 4.
- METASPHAERIA ANNAE Oud. on Ranunculus sulfureus, Camden Bay, 44.
- METASPHAERIA CINEREA (Fckl.) Sacc. on Salix sp., Sitka, J. P. Anderson.
- Metasphaeria empetri (Fr.) Sacc.: See SPHAEROPEZIA EMPETRI.
- Mycosphaerella eriophila (Niessl) Lind: See M. TASSIANA.
- MYCOSPHAERELLA FRAGARIAE (Tul.) Lindau on Fragaria chiloensis, Sitka, 2, 4; F. sp., College, C. L. Lefebvre; F. (Sitka hybrid), Fairbanks, D. M. Coe.
- MYCOSPHAERELLA FRUTICUM (Starb.) on Rubus sp., Sitka, 21.
- MYCOSPHAERELLA GAULTHERIAE (Cke. & Ell.) House on Gaultheria shallon, Sitka, 4.
- MYCOSPHAERELLA IGNOBILIS (Auers.) Maire & Werner on Agrostis geminata, Nagai, 59.
- MYCOSPHAERELLA IMMERSA Dearn. on Cassiope tetragona, Camden Bay, 26.
- MYCOSPHAERELLA LONGISSIMA (Fckl.) Lind on Bromus secalinus, Sitka, 21.
- MYCOSPHAERELLA MINOR (Karst.) Johans. var. RETICULARIA Dearn. on Salix reticulata, Camden Bay, 26.
- MYCOSPHAERELLA OOTHECA (Sacc.) Dearn. on Dryas octopetala, Nagai, 59.
- Mycosphaerella pachyasca (Rostr.) Vest.: See MYCOSPHAERELLA TASSIANA.
- MYCOSPHAERELLA PINODES Berk. & Blox. on Pisum sativum, Sitka, 2, 4.
- MYCOSPHAERELLA POPULI Schroet, on Populus balsamifera, Sitka, 4; P. trichocarpa, Haines, Mendenhall, 21.
- MYCOSPHAERELLA PUNCTIFORMIS (Fr.) Starb. on Cassiope (Andromeda) lycopodioides, Unalaska, 28.
- MYCOSPHAERELLA PUSILLA (Auers.) Johans. on Colpodium fulvum, Preobraschenie Isl., 44.
- MYCOSPHAERELLA RANUNCULI (Karst.) Lind, 45; on Anemone parviflora and Ranunculus nivalis, Camden Bay, 44.
- MYCOSPHAERELLA RECUTITA (Fr.) Johans. 42; on Arctagrostis latifolia, Icy Reef, 44; Bromus inermis, near Fairbanks, C. L. Lefebvre; Carex sp., Yes Bay, 59.
- MYCOSPHAERELLA RUMICIS (Desm.) Cke. on Rumex occidentalis, Sitka, 4.
- MYCOSPHAERELLA STELLARINEARUM (Rab.) Johans. on Stellaria (Alsine) longipes, Russell

Fiord, 59.

MYCOSPHAERELLA STROMATOIDES Dearn. on Rumex obtusifolius, Haines, 21; R. sp., Seward, 22.

MYCOSPHAERELLA TASSIANA (De N.) Johans. 42, 43, 44; on Agropyron spicatum, Mile 15, south of Circle, C. L. Lefebvre; Androsace chamaejasme, 44; Artemisia sp., St. Lawrence Bay, 59; Astragalus alpinus, Collinson Point, 26; Avena sativa, Fairbanks, C. L. L.; Draba alpina, Point Barrow, 59; Hierochloë pauciflora, Camden Bay, 44; Puccinellia tenella, 44; Stellaria longipes, Sandspit, 44.

Mycosphaerella wichuriana (Schroet.) Johans.: See M. RECUTITA.

The following species of Sphaerella for which combinations in *Mycosphaerella* or other genera have not been found are listed here for convenience:

Sphaerella adusta Fckl.: See SPHAERELLA EFFUSA.

SPHAERELLA ALNI-VIRIDIS De N. on Alnus sp., Port Wells, 59.

SPHAERELLA CALIFORNICA Cke. & Harkn. on Agrostis sp., Yes Bay, 59.

SPHAERELLA CARYOPHYLLI Pass. on Dianthus caryophyllus, Sitka, 4.

SPHAERELLA EFFUSA Sacc. & Syd. on Epilobium angustifolium (Chamaenerion spicatum), Sitka, 4; E. boreale, Unalaska, 59; E. hornemannii (E. bongardi), Yakutat, 59; E. sp., Yakutat, Orca, 59.

SPHAERELLA GRAMINUM Sacc. & Scalia on Poa stenantha, Shumagin Isls., 59.

SPHAERELLA GROSSULARIAE var. SALICELLA Sacc. & Scalia on Salix sp., Kodiak, 59.

SPHAERELLA HARTHENSIS Auers. on Betula glandulosa, Port Clarence, 59.

SPHAERELLA LEPTOSPORA Sacc. & Scalia on Carex mertensii, Yes Bay, 59.

OPHIOBOLUS ROSTRUPHII Ferd. & Winge on Prunella sp., Unalaska, 34.

OTTHIA DIMINUTA Karst. on Salix sp., Skagway, D. V. Baxter.

PHOMATOSPORA sp. on Epilobium angustifolium (Chamaenerion spicatum), Sitka, 4.

PHYSALOSPORA BOREALIS Sacc. on Anemone sp., Kukak Bay, 59.

PHYSALOSPORA CREPINIANA Sacc. & Scalia on Empetrum nigrum, 59.

PHYSALOSPORA EMPETRI Rostr. on Empetrum nigrum, 44.

PLEOSPORA CHRYSOSPORA Niessl, 42, 43; on Artemisia arctica comata (A. comata), Camden Bay, 44; Bupleurum americanum, Port Clarence, 44; Lloydia serotina (Anthericum serotinum), Camden Bay, 44; Oxytropis nigrescens, 26; O. sp., Kukak Bay, 59; Parrya nudicaulis (P. macrocarpa), Camden Bay, 26.

PLEOSPORA COMATA Auers. & Niessl, 42, 43; on Anemone drummondii, Sadlerochit River, 44; Arenaria macrocarpa and A. verna, Port Clarence, St. Paul Isl., 59; Oxyria digyna, Camden Bay, 44; Ranunculus sulfureus, Camden Bay, 44.

Pleospora culmorum (Cke.) Sacc.: See PYRENOPHORA TRICHOSTOMA.

PLEOSPORA HERBARUM (Fr.) Rab. on Astragalus frigidus, Preobraschenie Isl., 44; Crepis (Youngia) pygmaea, Camden Bay, 44; Oxytropis arctica (O. uralensis arctica), Nagai, 59;

Papaver nudicaule, Konganevik, 26; Potentilla pulchella, Collinson Point, 26; Primula borealis, Camden Bay, 44; Ranunculus nivalis, Point Barrow, 59.

PLEOSPORA INFECTORIA Fckl. on Poa glauca (P. caesia), Nagai, 59. This species is a synonym of P. scrophulariae (Desm.) Hoehn. sec. Lind and E. Mueller.

PLEOSPORA KARSTENII Berl. & Vogl. on Hierochloë pauciflora, Camden Bay, 44.

PLEOSPORA MACROSPORA Schroet. on Colpodium fulvum, Preobraschenie Isl., Camden Bay, 44.

PLEOSPORA MAGNUSIANA Berl. on Poa arctica, Preobraschenie Isl., Camden Bay, 44.

PLEOSPORA MEDIA Niessl, 42; on Draba vernalis (? verna), Unalaska, 59. Species is a synonym of P. scrophulariae sec. Lind.

Pleospora pentamera Karst.: See CLATHROSPORA PENTAMERA.

PLEOSPORA PHAEOCOMOIDES (Sacc.) Wint. on Androsace chamaejasme, 44.

PLEOSPORA SCROPHULARIAE (Desm.) Hoehn. on Lloydia serotina (Anthericum serotinum), Camden Bay, 44.

PLEOSPORA VAGANS Niessl on Oxytropis viscida var. subsucculenta (O. leucantha), Port Clarence, 44.

PLEOSPORA VULGARIS Niessl on Labiatae cult., Seward, 22; Lychnis apetala, Icy Reef, 26; Salix alaxensis, Anaktuvuk Pass, G. A. Llano. Species = P. scrophulariae sec. Lind.

PSEUDOVALSA RIBESIA Sacc. & Scalia on Ribes laxiflorum, Sitka, 59. Doubtful species sec. Wehmeyer Revision Melanconis, 1941.

PYRENOPHORA CERASTII (Oud.) Lind on Lychnis apetala (Melandrium apetalum), Icy Reef, 44; Oxyria digyna, Camden Bay, 44; Pedicularis lanata, 44; Salix rotundifolia, Camden Bay, 44.

Pyrenophora chrysospora (Niessl) Sacc.: See PLEOSPORA CHRYSOSPORA.

Pyrenophora comata (Niessl) Sacc.: See PLEOSPORA COMATA.

PYRENOPHORA PAUCITRICHA (Fckl.) Berl. & Vogl. on Papaver nudicaule, Kogluaktuakuk River, 26.

Pyrenophora phaeocomoides (Berk. & Br.) Sacc.: See PLEOSPORA PHAEOCOMOIDES.

PYRENOPHORA POLYPHRAGMOIDES Sacc. & Scalia on Polemonium humile, Popof Isl., 59.

PYRENOPHORA TRICHOSTOMA (Fr.) Fckl. on Hierochloë alpina, Kotzebue, Puccinellia borealis, Nome, and Poa pratensis, Twelve Mile Summit, all coll. C. L. Lefebvre.

ROSELLINIA AQUILA (Fr.) De N. on Picea sitchensis, Sitka, J. P. Anderson.

ROSELLINIA LIGNIARIA (Grev.) Nits. on Sambucus pubens (S. racemosa), Kodiak Isl., W. T. Horne.

Sphaerella eriophila Niessl: See MYCOSPHAERELLA TASSIANA.

Sphaerella pachyasca Rostr.: See MYCOSPHAERELLA TASSIANA.

Sphaerella rumicis Desm.: See VENTURIA RUMICIS

Other Sphaerella spp.: See MYCOSPHAERELLA.

Sphaeria hederæ Fr.: See TROCHILA CRATERIUM.

Sphaeria punctiformis Pers.: See MYCOSPHAERELLA PUNCTIFORMIS.

SPHAERULINA MARGINATA (Niessl) Kirschst. on Pyrola secunda, Yakutat Bay, 59.

SPHAERULINA TRIFOLII Rostr. on Trifolium sp., Ketchikan, Wrangell, 22.

SPORORMIA AMBIGUA Niessl, Kodiak, 59.

Stigmatea ranunculi Fr.: See MYCOSPHAERELLA RANUNCULI.

TEICHOSPORA sp. on Salix sp., Sadlerochit River, 26.

VALSA ALNI Pk. on Alnus sp., Fairbanks, 18.

VALSA BOREELLA Karst. on Salix alaxensis, Anaktuvuk Pass, G. A. Llano.

VALSA FALLAX Nits. on Cornus canadensis, Skagway, 21.

VALSA LEUCOSTOMA Fr. on Malus (Siberian crabapple), Matanuska, C. L. Lefebvre;
Prunus padus, Sitka, 4.

VALSA SALICINA Fr. on Salix niphoclada, Icy Reef, 44.

VALSA SORDIDA Nits., Koyukuk, 14; on Populus balsamifera, Nenana, 18; Salix sp., 12, 13, 18.

VENTURIA CIRCINANS (Fr.) Sacc. on Geranium erianthum, Virgin Bay, 59.

VENTURIA CLINTONII Pk. on Cornus canadensis, Sitka, 4.

VENTURIA INAEQUALIS (Cke.) Aderh. on Malus sylvestris (Pyrus malus), Sitka, 1, 2, 4, 21; Haines, 21; Malus (Pyrus) baccata, Sitka, 21.

VENTURIA KALMIAE Pk. on Kalmia polifolia (K. microphylla), Sitka, 4, 21.

VENTURIA KUNZEI Sacc. on Rubus pedatus, Sitka, 4; R. sp., Prince William Sound, Yakutat Bay, 59.

VENTURIA KUNZEI Sacc. var. RAMICOLA Sacc. & Scalia on Rubus stellatus, Unalaska, 59.

Venturia pomi (Fr.) Wint.: See V. INAEQUALIS

VENTURIA RUMICIS (Desm.) Wint. on Rumex occidentalis, Sitka, 4; Juneau, 59.

XYLARIA HYPOXYLON (Fr.) Grev., Prince of Wales Isl., 23.

LABOULBENIALES

LABOULBENIA NEBRIAE Peyritsch on Nebria gregaria, Aleutian Isls., 59.

HYSTERIALES

Hysterium gracile Ehr.: See LOPHODERMIIUM GRACILE.

Hysterium orbiculare Ehr.: See LOPHODERMIIUM ORBICULARE.

HYSTERIUM PULICARE Fr. on Malus sylvestris, Haines, D. M. Coe.

- LOPHIUM DOLABRIFORME Wallr. on Salix alaxensis, G. A. Llano.
- LOPHODERMIMUM ARUNDINACEUM (Fr.) Chev. on Calamagrostis canadensis, Summit of Livengood Road, Chatanika, C. L. Lefebvre; Elymus mollis, Sitka, 4.
- LOPHODERMIMUM FILIFORME Darker on Picea glauca, Fairbanks, Mt. McKinley Nat. Park, J. W. Kimmey and M. E. Fowler; Picea mariana, Fairbanks, J. W. K. and M. E. F.
- LOPHODERMIMUM GRACILE (Ehr.) Sacc. on Cassiope (Andromeda) lycopodioides, Unalaska, 28.
- LOPHODERMIMUM MACULARE (Fr.) De N. on Pyrola sp., Valdez, 13; Salix sp., Glacier Bay, 59.
- LOPHODERMIMUM ORBICULARE (Ehr.) Sacc. on Cassiope (Andromeda) lycopodioides, Unalaska, 28.
- LOPHODERMIMUM OXYCOCCI (Fr.) Karst. on Vaccinium oxycoccus, Kodiak, 59; V. vitis-idaea, Ketchikan, 21.
- LOPHODERMIMUM PICEAE (Fckl.) Hoehn. on Picea sitchensis, Prince of Wales Isl., 23; Ptarmigan Lake, D. V. Baxter.
- LOPHODERMIMUM PINASTRI (Fr.) Chev. on Pinus contorta var. latifolia, Prince of Wales Isl., 23; Pinus sp., Sitka, 21.
- LOPHODERMIMUM SPHAERIOIDES (Fr.) Duby on Ledum sp., Sitka, 21.
- LOPHODERMIMUM VERSICOLOR (Fr.) Schroet., 44.
- LOPHODERMIMUM sp. on Picea sitchensis, Sitka, 4 (as L. pinastri; probably L. piceae).
- LOPHODERMIMUM sp. on Tsuga heterophylla, Prince of Wales Isl., 23.

PHACIDIALES

- DIDYMASCELLA THUJINA (Durand) Maire on Thuja plicata, Prince of Wales Isl., 23.
- DIDYMASCELLA TSUGAE (Farl.) Maire on Tsuga sp., Cordova, 22.
- Keithia tsugae* Farl.: See DIDYMASCELLA TSUGAE.
- Naevia diminuens* (Karst.) Rehm.: See HYSTEROPEZIZELLA DIMINUENS.
- Phacidium diminuens* Karst.: See HYSTEROPEZIZELLA DIMINUENS.
- PHACIDIUM GAULTHERIAE Dearn. on Gaultheria sp., W. H. Evans.
- PROPOLIS ANGULOSA Karst. on Salix (? richardsonii), Sadlerochit River, Camden Bay, 26.
- RHYTISMA ANDROMEDAE Fr. on Andromeda polifolia, Sitka, 4, 21; Ketchikan, 21.
- Rhytisma arbuti* Phill. on Menziesia: See MELASMIA MENZIESIAE.
- RHYTISMA (? RHODODENDRI) Fr. on Rhododendron kamtschaticum, Unalaska, 59.
- RHYTISMA SALICINUM Fr. on Salix arctica, Juneau, 21; S. barclayi, Skagway, 21; Unalaska, I. N. Gabrielson; S. pulchra, Richardson Highway (Mile 31), C. L. Lefebvre; S. richardsonii, Kotzebue, C. L. L.; S. scouleriana, Kasilof, D. M. Coe; S. sitchensis, Haines, 21; S. sp., Sitka, 4; Tunnel, Valdez, 13; Cordova, 22; Kodiak, 59; Mt. McKinley Nat. Park, Matanuska, D. M. Coe; Anaktuvuk Pass, G. A. Llano.

- RHYTISMA VACCINII Schroet. on Vaccinium parvifolium, Sitka, 4.
- RHYTISMA sp. on Menziesia ferruginea, Sitka, 4.
- RHYTISMA sp. on Salix rotundifolia, Konganevik, 26.
- SCHIZOXYLON INSIGNE (De N.) Rehm on Salix alaxensis, West of Tuluga Lake, G. A. Llano.
- SPHAEROPEZIA EMPETRI (Fr.) Rehm, 44; on Empetrum nigrum, Port Clarence, 59; Aleutian Isls., 10.

HELOTIALES

- ? ASCOCALYX ABIETIS Naumov, Kodiak Isl., 13.
- ATROPELLIS TRELEASEI (Sacc.) Zeller & Goodding on Coniferae, Sitka, 59, 62, 71; Prince of Wales Isl., 23.
- BELONIDIUM PRUINOSUM (Jerd.) Rehm on Cucurbitaria conglobata on Alnus sp., 21.
- CENANGIUM ARCTICUM (Ehr.) Fr. on Cassiope (Andromeda) tetragona, St. Lawrence Isl., 28.
- Cenangium cerasi Fr.: See DERMEA CERASI.
- CHLOROCIBORIA AERUGINASCENS (Nyl.) Kanouse, Prince of Wales Isl., 23.
- CHLOROCIBORIA AERUGINOSA (Fr.) Seaver on Populus sp., Lower Russian Lake, D. V. Baxter.
- CIBORIA sp. on Tsuga sp., Yakutat Bay, 59
- CUDONIA CIRCINANS Fr., Orca, 59.
- DASYSCYPHA BICOLOR (Fr.) Fckl. on Coniferae, Muir Glacier, Yakutat Bay, 59, 62.
- DASYSCYPHA CARNEOLA (Sacc.) Sacc. on Calamagrostis canadensis, Juneau, C. L. Lefebvre.
- DASYSCYPHA OCCIDENTALIS Hahn & Ayers on Larix laricina, Fairbanks, D. V. Baxter.
- DASYSCYPHA RELICINA (Fr.) Boud., Yakutat Bay, 59.
- DERMEA CERASI Fr. on Prunus avium, Sitka, 21; P. cerasus, Sitka, 4.
- DIPLOCARPON ROSAE Wolf on Rosa rugosa (hybrid), Juneau, 21; R. sp., Juneau, 21; Cordova, 22; Central, D. M. Coe.
- FABRAEA CINCTA Sacc. & Scalia on Rubus sp., Yakutat Bay, Orca, 59.
- FABRAEA MACULATA Atk. on Amelanchier alnifolia, Haines, 21; Malus fusca (Pyrus diversifolia), Sitka, 4; Sorbus sitchensis, Sitka, 4.
- FABRAEA RANUNCULI (Fr.) Karst. on Ranunculus occidentalis, Sitka, 4.
- FABRAEA SANGUISORBAE Jaap on Sanguisorba sp., Tunnel, 13.
- GODRONIA CASSANDRAE Pk. on Vaccinium sp., Juneau, 21.
- GODRONIA DAVIDSONII Cash, 62; on Ribes bracteosum x nigrum, Juneau, 21.

Godronia treleasei (Sacc.) Seaver: See ATROPELLIS TRELEASEI.

GODRONIA URCEOLUS (Fr.) Sacc., 62; on Ribes bracteosum, Sitka, 4 (as *Tympanis* sp.), 21; Ribes sp., Sitka, 59.

Helotium alaskae Sacc.: See HELOTIUM CITRINUM.

HELOTIUM CITRINUM Fr., Yakutat Bay, 59.

HELOTIUM FUMIGATUM Sacc. & Speg. on herbaceous stems, Yakutat Bay, 59. Doubtful species sec. Seaver (62).

HELOTIUM LENTICULARE Fr., Juneau, 59.

HETEROSPHAERIA PATELLA Grev. on Heracleum sp., Yakutat Bay, 59.

HYSTEROPEZIZELLA DIMINUENS (Karst.) Nannf. 43; on Carex canescens, Yes Bay, 59.

HYSTEROPEZIZELLA IGNOBILIS (Karst.) Lind on Carex aquatilis (C. stans), Camden Bay, 44.

HYSTEROPEZIZELLA RIGIDAE Nannf. on Carex bigelowii (C. rigida), Camden Bay, 44.

LACHNELLULA CHRYSOPHTHALMA (Fr.) Rehm on Picea sitchensis, Mt. McKinley Nat. Park, D. V. Baxter.

MOLLISIA LIGNI (Desm.) Karst. on Sambucus sp., 21.

MOLLISIA POLYTRICHI Rehm on Ceratodon purpurens f. xanthopus, Newhalen, R. Thomas.

MOLLISIA SUBLIVIDULA (Nyl.) Karst. on Salix alaxensis, Anaktuvuk Pass, G. A. Llano.

ORBILIA OCCULTA (Rehm) Sacc. on Salix sp., Skagway, D. V. Baxter.

PATINELLA ALOYSII-SABAUDIAE Sacc. on Veratrum sp., Yakutat Bay, 59.

PHIALEA CARNEOLA Sacc., Yakutat Bay, 59.

PIROTTAEA YAKUTATIANA Sacc., Yakutat Bay, 59, 62.

Pseudohelotium jerdoni Sacc.: See BELONIDIUM PRUINOSUM.

PSEUDOPEZIZA BISTORTAE (Lib.) Fckl. on Polygonum viviparum, Unalaska, 59. Doubtful species sec. Seaver (62).

PSEUDOPEZIZA CERASTIORUM ARENARIAE Sacc. on Arenaria lateriflora, Yakutat Bay, 59. Doubtful fungus sec. Seaver (62).

PSEUDOPEZIZA RIBIS Kleb. on Ribes bracteosum, Sitka, 4, 21; R. bracteosum x nigrum, Juneau, 21; R. laxiflorum, Sitka, 21; R. nigrum, 4; R. rubrum (R. vulgare), Juneau, Haines, Ketchikan, 21; R. triste, Skagway, 21.

PSEUDOPEZIZA TRIFOLII (Biv. -Bern.) Fckl. on Trifolium pratense, Sitka, 4; T. sp., Wrangell, 21.

PYRENOPEZIZA STICTOIDEA Sacc. on Hierochloë alpina, Kotzebue, C. L. Lefebvre; H. odorata, Copper Center, C. L. L.

SCLERODERRIS FULIGINOSA (Fr.) Karst. on Salix richardsonii, Sadlerochit River, 26; Salix sp., Collinson Point, 26.

Scleroderris treleasei Sacc.: See *ATROPELLIS TRELEASEI*.

SCLEROTINIA (? *OXYCOCCI* Wor.) (sclerotia) on *Vaccinium alaskense*, Sitka, 21; *V. parvifolium*, Ketchikan, 21.

SCLEROTINIA VAHLIANA Rostr. on *Eriophorum* (? *scheucheri*), Wainwright, G. A. Llano.

TRICHOPEZIZA EAROLEUCA (Berk. & Br.) Sacc. on *Lupinus* sp., Disenchantment Bay, 59.
Doubtful species sec. Seaver (62).

TRICHOPEZIZA HAMATA Sacc., Yakutat Bay, 59.

Trichopeziza relicina (Fr.) Fckl.: See *DASYSCYPHA RELICINA*.

TROCHILA CRATERIUM Fr. on *Cassiope* (*Andromeda*) *tetragona*, St. Lawrence Isl., 28.

Tryblidium arcticum Ehr.: See *CENANGIUM ARCTICUM*.

TYMPANIS ALNEA Fr. on *Alnus* sp., Childs Glacier, D. V. Baxter.

Tympanis sp. on *Ribes bracteosum*: See *GODRONIA URCEOLUS*.

VIBRISSEA TRUNCORUM Fr., Kodiak, Yakutat Bay, 59, 62.

PEZIZALES

HUMARIA SCUTELLATA (Fr.) Fckl., Juneau, 59; Nome, 26; Sand Bay, G. A. Llano.

Lachnea scutellata (Fr.) Gill.: See *HUMARIA SCUTELLATA*.

MORCHELLA CONICA Fr., Kodiak Isl., W. T. Horne.

OTIDEA MICROPUS (Fr.) Sacc. var. *FLAVIDA*, Teller, 26.

Peziza micropus Fr. var. *flavida* Phill.: See *OTIDEA MICROPUS FLAVIDA*.

Scutellinia scutellata (Fr.) Kuntze: See *HUMARIA SCUTELLATA*.

TREMELLALES

DACRYOMYCES DELIQUESCENS (Mérat) Duby, Juneau, Sitka, Yakutat, 59.

EXIDIA GLANDULOSA Fr. on *Salix alaxensis*, Anaktuvuk Pass, G. A. Llano.

GUEPINIA LUTEA Bres., 59.

? *TREMELLA AURANTIA* Fr., Kodiak Isl., W. T. Horne.

? *TREMELLA PHYLLACHOROIDEA* Sacc. on *Menziesia ferruginea*, Sitka, 59.

UREDINALES

Aecidium alaskanum Trel.: See *PUCCINIA PRAEGRACILIS*.

Aecidium asterum Schw.: See *PUCCINIA EXTENSICOLA*.

Aecidium astragali-alpini Eriks.: See *UROMYCES LAPPONICUS*.

AECIDIUM CIRCINANS Eriks. f. *ACONITI-DELPHINII* on *Aconitum* sp., St. Paul Isl., 59.
Identity doubtful; possibly *Puccinia rubigo-vera* (DC.) Wint.

- Aecidium claytonianum* (Schw.) Clint.: See PUCCINIA MARIAE-WILSONI.
- AECIDIUM EPILOBII DC. on *Epilobium* sp., Glacier Bay, 59. Possibly *Puccinia vagans* (DC.) Arth.
- Aecidium fraseri* Trel.: See PUCCINIA SWERTIAE.
- Aecidium graebnerianum* P. Henn.: See PUCCINIA PRAEGRACILIS.
- Aecidium grossulariae* Schum.: See PUCCINIA CARICIS.
- Aecidium parnassiae* (Schlecht.) Graves: See PUCCINIA ULIGINOSA.
- Aecidium petasitidis* Syd.: See PUCCINIA POARUM.
- AECIDIUM RANUNCULACEARUM DC. on *Anemone richardsonii* and *Ranunculus* sp., Unalaska, 59. Possibly *Puccinia gigantispora* Bub.
- Aecidium swertiae* Opiz: See PUCCINIA SWERTIAE.
- Aecidium violascens* Trel.: See UROMYCES GERANII.
- Allodus gigantispora* (Bub.) Arth.: See PUCCINIA GIGANTISPORA.
- Allodus swertiae* (Wint.) Orton: See PUCCINIA SWERTIAE.
- Bullaria coelopleuri* (Arth.) Arth. & Mains: See PUCCINIA COELOPLEURI.
- Bullaria hieracii* (Schum.) Arth.: See PUCCINIA HIERACII.
- CAEOMA (AECIDIUM) EPILOBII Schlecht. on *Epilobium* sp., Unalaska, 28. Possibly *Puccinia vagans* (DC.) Arth.
- Caeoma pyrolae* Schlecht.: See PUCCINIASTRUM PYROLAE.
- Caeoma saxifragarum* (DC.) Schlecht.: See MELAMPSORA ARCTICA.
- Calyptospora columnaris* Kuehn: See PUCCINIASTRUM GOEPPERTIANUM.
- CHRYSOMYXA ARCTOSTAPHYLI Diet. on *Arctostaphylos uva-ursi*, 9, 53.
- CHRYSOMYXA CASSANDRAE (Pk. & Clint.) Tranz. on *Chamaedaphne calyculata*, Fairbanks, Franklin, 7; Matanuska, 6, 7; Tanana, D. V. Baxter; *C.* sp., Koyukuk, 18; *P. mariana*, Talkeetna, 7.
- CHRYSOMYXA EMPETRI (Pers.) Schroet., Moose Pass, Upper Russian Lake, Kodiak, 14; on *Empetrum nigrum*, 60; Kodiak Isl., 13; Pribilof Isls., 10, Liberty Falls, Sheep Mt., 7; *Picea sitchensis*, 60.
- CHRYSOMYXA LEDICOLA (Pk.) Lagh., Koyukuk, 12, 14; on *Ledum decumbens* (*L. palustre*), 9, 53; Tanana, 18; Skagway, 21; Virgin Bay, Kodiak, 59; Nash Harbor on Nunivak Isl., Cleary Summit (Steese Highway 21), 7; Mt. McKinley Nat. Park, C. L. Lefebvre.; *L. groenlandicum*, 8, 9, 22, 53; Sitka, 3; Tanana, 18; Juneau, 7, 21; Fairbanks, J. W. Kimmey & M. E. Fowler; Kodiak Isl., W. T. Horne; Mt. McKinley Nat. Park, Anchorage, Steese Highway (Mile 90), C. L. L.; Circle, Chickaloon, Cooper's Landing, Ketchikan, Richardson Highway (mile 92, 146), Willow, Wiseman, Sheep Mt., 7; *Picea glauca* (*P. canadensis*), 9, 18, 53, 60; Circle, Fairbanks, Richardson Highway (mile 86, 146, 249), Wiseman, 7; *P. mariana*, Healy, 7; Fairbanks, J. W. K. and M. E. F.; *P. sitchensis*, 9, 53; Koyukuk, Kodiak Isl., 13; Juneau, Ketchikan, 7, 21; Sitka, 21; Anchorage, J. W. K. & M. E. F.; Kasilof, D. M. Coe.

CHRYSOMYXA PYROLAE (DC.) Rostr., 13, 44, 45; Koyukuk, 12, 14; on Moneses uniflora (M. grandiflora), 9; Yes Bay, 59; Sitka, 3; Glacier Bay, Hope, Hyder, Slana-Tok Highway (12), Tenakee, 7; M. uniflora reticulata (M. reticulata), 9, 53; Tenakee, 21; Picea sitchensis, Kodiak Isl., 13; Eagle River near Juneau, 7; Pyrola asarifolia (P. uliginosa, P. rotundifolia uliginosa), 9, 53; Kodiak Isl., W. T. Horne; P. asarifolia incarnata, near Juneau, Hyder, Seward, Unalaska, 7; P. bracteata, 9; P. chlorantha, Matanuska, 6, 7; P. minor, Valdez, 6, 7; P. secunda, 9; Haines, 7, 21; Skagway, 7, 21; Deschio (Lynn Canal), 36; Matanuska, 7; P. sp., Kodiak Isl., 13; Koyukuk, 13, 18; Glacier Bay, Disenchantment Bay, 59.

COLEOSPORIUM SOLIDAGINIS (Schw.) Thuem. on Erigeron peregrinus, 9, 53; Juneau, 7, 21; Solidago multiradiata, Livengood, 7; Solidago sp., 9; Kodiak Isl., 13; Haines, 7, 21.

CRONARTIUM COLEOSPORIOIDES (Diet. & Holw.) Arth. on Pinus contorta, 9, 12, 53; New Metlakatla, 59; Skagway, Haines, 7, 21; Juneau, 7; P. contorta latifolia, Prince of Wales Isl., 23.

CRONARTIUM COMPTONIAE Arth. on Myrica gale, 9, 53; Ketchikan, 7, 21.

Cronartium harknessii (J. P. Moore) Meinecke: See C. COLEOSPORIOIDES.

Dicaeoma areolatum (Diet. & Holw.) Kuntze: See PUCCINIA AREOLATA.

Dicaeoma asterum (Schw.) Arth. & Kern: See PUCCINIA EXTENSICOLA.

Dicaeoma bistortae (DC.) Kuntze: See PUCCINIA BISTORTAE.

Dicaeoma clématidis (DC.) Arth.: See PUCCINIA RUBIGO-VERA.

Dicaeoma epilobii-tetragoni (DC.) Arth.: See PUCCINIA VAGANS.

Dicaeoma epiphyllum (L.) Kuntze: See PUCCINIA POARUM.

Dicaeoma gentianae (Strauss) Kuntze: See PUCCINIA GENTIANAE.

Dicaeoma grossulariae (Schum.) Kern: See PUCCINIA CARICIS.

Dicaeoma hieraciatum (Schw.) Arth. & Kern: See PUCCINIA EXTENSICOLA.

Dicaeoma insperatum (Jacks.) Arth.: See PUCCINIA INSPERATA.

Dicaeoma ortonii (Jacks.) Arth.: See PUCCINIA ORTONII.

Dicaeoma parnassiae (Schlecht.) Arth. & Kern: See PUCCINIA ULIGINOSA.

Dicaeoma pimpinellae (Strauss) Kuntze: See PUCCINIA PIMPINELLAE.

Dicaeoma polygoni-vivipari (H. Dietr.) Arth.: See PUCCINIA BISTORTAE.

Dicaeoma pygmaeum (Eriks.) Arth. & Fromme: See PUCCINIA PYGMAEA.

Dicaeoma rhamni (Pers.) Kuntze: See PUCCINIA CORONATA.

Dicaeoma sommerfeltii (Johans.) Arth.: See PUCCINIA SEPTENTRIONALIS.

Dicaeoma trientalis (Tranz.) Arth. & Kern: See PUCCINIA KARELICA.

Dicaeoma veratri (DC.) Kuntze: See PUCCINIA VERATRI.

Dicaeoma violae (Schum.) Kuntze: See PUCCINIA VIOLAE.

- Earlea alaskana* Arth.: See PHRAGMIDIUM ALASKANUM.
- Gymnoconia interstitialis* (Schlecht.) Lagh.: See G. PECKIANA.
- GYMNOCONIA PECKIANA (Howe) Trott., 44; On *Rubus arcticus*, Stebbins, St. Michael, Takotna, 7; *R. stellatus*, 53.
- GYMNOSPORANGIUM AURANTIACUM Chev. on *Sorbus scopulina*, Takotna, 7; *S. sitchensis*, 7, 9.
- GYMNOSPORANGIUM JUNIPERINUM (L.) Mart. on *Sorbus sitchensis*, 9, 53; Haines, 7, 21.
- GYMNOSPORANGIUM NELSONI Arth. on *Malus fusca* (*M. rivularis*, *Pyrus diversifolia*), 9, 53; Ketchikan, 7, 21; Cordova, Wrangell, 22.
- GYMNOSPORANGIUM NOOTKATENSE (Trel.) Arth. on *Chamaecyparis nootkatensis*, 9, 53; Sitka, 7, 21; Baranof Isl., 59; Craig, 7; *Malus fusca* (*M. rivularis*), 9, 53; Sitka, 2, 3, 7, 21; *M. betulaefolia* (*Pyrus b.*), 9, 53; *Sorbus occidentalis*, 9, 53; *S. sitchensis*, 9, 53; Sitka, 3, 7, 21.
- Gymnosporangium sorbi* (Arth.) Kern: See GYMNOsporANGIUM NOOTKATENSE.
- Gymnotelium nootkatense* (Trel.) Syd.: See GYMNOsporANGIUM NOOTKATENSE.
- HYALOPSORA ASPIDIOTUS (Pk.) Magn., Tunnel, 13; on *Dryopteris disjuncta* (*D. linneana*, *Phegopteris dryopteris*), 9, 53; Sitka, 3; Tenakee, Haines, 21; Cordova, 22; Juneau, 7, 59.
- Hyalopsora laeviuscula* (Diet. & Holw.) Arth.: See MILEZIA LAEVIUSCULA.
- HYALOPSORA POLYPODII (Pers.) Magn. on *Cystopteris (Filix) fragilis*, 9, 53; Sitka, 7.
- Hyalopsora polypodii-dryopteris* (Moug. & Nestl.) Magn.: See H. ASPIDIOTUS.
- MELAMPSORA ALBERTENSIS Arth. on *Populus balsamifera* (*P. candicans*, *P. tacamahacca*), Fairbanks, 6, 7; *P. tremuloides*, Fairbanks, 7, 18; Wiseman, 6, 7.
- Melampsora alpina* Juel: See M. ARCTICA.
- MELAMPSORA ARCTICA Rostr., Tunnel, 13; on *Salix arbusculoides*, between Paxson and Sour-dough, J. H. Christ; *S. arbusculoides* var. *glabra*, Nenana, J. H. C.; *S. arctica*, Point Hope, 6, 7; *S. chamissonis*, 7, 9, 53; *S. fuscescens*, 7, 9, 53; St. Lawrence Isl., 59; *S. glauca* var. *aliceae*, Circle, D. M. Coe; *S. glauca* var. *glabrescens*, Deering, 6, 7; *S. ovalifolia*, 9; *S. polaris*, 7, 9, 53; Port Clarence, 59; *S. pulchra*, Cape Lisburne, Nome, 6, 7; *S. sitchensis*, 9, 53; *S. stolonifera*, 9, 53; Disenchantment, 59; *S. sp.*, Kodiak Isl., 13; Haines, 7, 21; Cordova, Valdez, 22; Nome, 7; *Saxifraga bracteata*, 9, 53; St. Lawrence Isl., 59; Savoonga, 7.
- MELAMPSORA BIGELOWII Thuem., Koyukuk, 12, 14; on *Larix laricina*, Richardson Highway (Mile 287), 6, 7; *Salix alaxensis*, 53; Muir Glacier, 59; *S. arbusculoides*, 53; Franklin, Gakona, 7; *S. arctica*, 3, 53; Juneau, 7, 21; *S. barclayi*, 3, 53; Mendenhall, 21; Hope, Juneau, 7; *S. glauca* and var., Unalakleet, Deering, 7; *S. ovalifolia* var. *camdensis*, 53; Camden Bay, 7, 26; *S. phlebophylla*, Wiseman, 7; *S. pulchra*, 53; Collinson Point, 26; Popof Isl., 59; near Paxson, J. H. Christ; Barrow, Kivelina, Unalakleet, 7; *S. reticulata*, 3, 53; Juneau, 7, 21; Kukak Bay, 59; Wiseman, Tin City, 7; *S. rotundifolia*, Cape Lisburne, Point Lay, Talkeetna Mts., 7; *S. sitchensis*, 53; Skagway, 3; Juneau, 7; *S. stolonifera*, 53; *S. sp.*, Koyukuk, 13, 18; Circle, Healy, Juneau, Kivelina, Matanuska, Wiseman, 7; Mt. McKinley Nat. Park, J. W. Kimmey and M. E. Fowler.
- Melampsora confluens* Jacks.: See M. RIBESII-PURPUREAE.

Melampsora farinosa (Pers.) Schroet.: See M. ARCTICA and M. BIGELOWII.

MELAMPSORA LINI (Pers.) Lév. on Linum lewisii (L. perenne lewisii), Richardson Highway (Mile 240), 6, 7; Gakona, 7.

MELAMPSORA RIBESII-PURPUREAE Kleb. on Ribes triste, Hope, 7; Salix alaxensis, Fairbanks, J. W. Kimmey and M. E. Fowler; S. arbusculoides, Mt. McKinley Nat. Park, C. L. Lefebvre; S. glauca var. acutifolia, Kotzebue, C. L. L.; S. reticulata, Mt. McKinley Nat. Park, C. L. L.; S. scouleriana, 53; Fairbanks, C. L. L.; S. seemanii, Kodiak Isl., W. T. Horne; S. sp., Seward, 22; College, C. L. L.

MELAMPSORELLA CERASTII (Pers.) Schroet. on Cerastium arvense, 9, 53; Cooper's Landing (Kenai Peninsula), 7; C. beeringianum, Skagway, 7, 21; Hope, 7; Picea glauca (P. canadensis), 6, 13; Tanana, 18; P. mariana, Franklin, 7; P. sitchensis, 9, 53; Haines, 7, 21; Glacier Point, 7; Stellaria (Aisine) longipes, 7, 9, 53.

Melampsorella elatina (Alb. & Schw.) Arth.: See M. CERASTII.

Melampsoridium betulae (Schum.) Arth.: See M. BETULINUM.

MELAMPSORIDIUM BETULINUM (Pers.) Kleb., Moose Pass, 13; on Betula glandulifera, Unalakleet, 6; Healy, Livengood, 7; B. glandulosa, 13; Healy, 6; Fairbanks, J. W. Kimmey and M. E. Fowler; B. kenaica, 9, 53; Haines, 21; Talkeetna, 7; B. papyrifera occidentalis, Juneau, 7; B. resinifera, Fairbanks, Franklin, Sheep Mt., 7; Betula sp., Moose Pass, Kodiak Isl., 13; Klukwan, 21; Hope, D. V. Baxter; Haines, Takotna, Unalakleet, 7.

Melampsoropsis arctostaphyli (Diet.) Arth.: See CHRYSOMYXA ARCTOSTAPHYLI.

Melampsoropsis ledicola (Pk.) Arth.: See CHRYSOMYXA LEDICOLA.

Melampsoropsis pyrolae (DC.) Arth.: See CHRYSOMYXA PYROLAE.

Micropuccinia: See PUCCINIA.

MILESIA LAEVIUSCULA (Diet. & Holw.) Faull on Polypodium vulgare occidentale (P. glycyrrhiza), 9, 53; Sitka, Gull Isl. (Lynn Canal), near Juneau, 7.

MILESIA LAEVIUSCULA (Diet. & Holw.) Faull forma GLYCYRRHIZA on Polypodium vulgare occidentale (P. glycyrrhiza), Sitka, Juneau, 33.

Nigredo caryophyllina (Schrank) Arth.: See UROMYCES CARYOPHYLLINUS.

Nigredo geranii (DC.) Arth.: See UROMYCES GERANII.

NYSSOPSORA ECHINATA (Lév.) Arth. on Oenanthe sarmentorum, Goddard Hot Springs (Baranof Isl.), 7. Reported on Conioselinum benthami (Coelopleurum gmelini), 9, 53, 90, but in error sec. Anderson (7).

Peridermium cerebrum Pk. on Pinus contorta: See CRONARTIUM COLEOSPORIODES.

PERIDERMIIUM COLORADENSE (Diet.) Arth. & Kern, Koyukuk, 11; on Picea glauca 14; Kenai River Road (Mile 56), J. W. Kimmey and M. E. Fowler; P. mariana, Koyukuk, 18; P. sitchensis, 3; Mt. McKinley Nat. Park, C. L. Lefebvre; between Central and Hot Springs, D. M. Coe.

PHRAGMIDIUM ALASKANUM (Arth.) Syd. on Rubus stellatus, 9, 53, 70; Yakutat Bay, 7, 59; Disenchantment Bay, Unalaska, 59 (as P. rubi?).

PHRAGMIDIUM AMERICANUM (Pk.) Diet. on Rosa sp., Koyukuk, Healy, D. V. Baxter.

PHRAGMIDIUM ANDERSONI Shear on Potentilla fruticosa, Circle, 6, 7; Healy, D. V. Baxter;

Franklin, 7.

Phragmidium disciflorum (Tode) James on Rosa rugosa: See P. SUBCORTICINUM.

PHRAGMIDIUM FUSIFORME Schroet. on Rosa acicularis, 9, 53, 70; Haines, 7, 21; Sitka, Kodiak, 59 (as P. subcorticium on R. cinnamomea); Cooper's Landing (Kenai Peninsula), Copper Center, near Fairbanks, Healy, Hope, Knik, Mt. McKinley Nat. Park, Takotna, 7; R. nutkana, 9, 53; Sitka, 3, 7, 21; Haines, 7; R. rugosa hybrids, Sitka, 7.

PHRAGMIDIUM MONTIVAGUM Arth. on Rosa woodsii, Circle Hot Springs, 7; Rosa sp., Kodiak, D. V. Baxter.

PHRAGMIDIUM OCCIDENTALE Arth. on Rubus parviflorus, 9, 53; Sitka, 1 (as P. rubi), 2, 3, 7; Tenakee, Haines, 7, 21; Juneau, 7.

PHRAGMIDIUM POTENTILLAE (Pers.) Karst. on Potentilla pennsylvanica and var. strigosa, Fairbanks, Franklin, Tanacross, 7; P. sp., South of Circle (Mile 15), C. L. Lefebvre.

Phragmidium rosae-acicularis Liro on Rosa acicularis and R. nutkana: See PHRAGMIDIUM FUSIFORME.

Phragmidium rosae-acicularis Liro on Rosa hemisphaerica and R. rugosa: See PHRAGMIDIUM SUBCORTICINUM.

PHRAGMIDIUM ROSAE-CALIFORNICAE Diet. on Rosa acicularis, Talkeetna, 7; R. nutkana, 9; Endicott River (Lynn Canal), 7; R. sp., Fairbanks, D. M. Coe.

Phragmidium rubi (Pers.) Wint. on Rubus parviflorus: See P. OCCIDENTALE.

? *Phragmidium rubi* (Pers.) Wint. on Rubus stellatus: See P. ALASKANUM.

PHRAGMIDIUM RUBI-IDAEI (DC.) Karst. on Rubus arcticus, Northway, 7; R. stellatus, Atka Isl., 7; R. strigosus (R. subarcticus), Curry, 6, 7; Talkeetna, 7; R. sp. (cult. raspberry), Juneau, C. L. Lefebvre.

? *Phragmidium rubi-idaei* (DC.) Karst. on Rubus chamaemorus: See PUCCINIASTRUM ARCTICUM.

PHRAGMIDIUM SUBCORTICINUM (Schrank) Wint. on Rosa hemisphaerica, 9, 53; Sitka, 3; R. rugosa, 9, 53; Sitka, 3; Juneau, 7, 21; R. sp., Kodiak, L. J. Cole; Matanuska, D. M. Coe.

Phragmidium subcorticium on Rosa cinnamomea: See P. FUSIFORME on R. acicularis.

? PHRAGMIDIUM TUBERCULATUM J. Muell. on Rosa sp., Fort Yukon, D. V. Baxter.

Polythelis pulsatillae (Rostr.) Arth.: See TRANZSCHELIA SUFFUSCA.

Puccinia acuminata Pk.: See P. PORPHYROGENITA.

PUCCINIA ADOXAE Hedw. f. on Adoxa moschatellina, Hope, Palmer, 7.

PUCCINIA ANGELICAE (Schum.) Fckl. on Angelica genuflexa, near Juneau, 7.

PUCCINIA ARENARIAE (Schum.) Wint. on Arenaria (Moehringia) lateriflora, 9, 53; Circle, Matanuska, Takotna, 7; A. (Merckia) physodes, Circle, 6, 7; Stellaria (Alsine) longipes, 9, 53; Goldie, 7.

PUCCINIA AREOLATA Diet. & Holw. on Caltha biflora, 9, 53; Ketchikan, 7, 21; Craig, 7; C. leptosepala, Talkeetna Mts., 6, 7; C. palustris asarifolia, Matanuska, 6, 7.

- Puccinia ARNICALIS Pk. on Arnica louiseana frigida, Globe, 7; Healy, Wiseman, 6, 7.
- Puccinia ARTEMISIAE-NORVEGICAE Tranz. & Woron. on Artemisia arctica, Wiseman, 6, 7.
- Puccinia ASTERIS Duby on Aster foliaceus, Kodiak, 59.
- Puccinia BISTORTAE (Str.) DC., 45; on Angelica lucida, Unalaska, 7; Conioselinum benthami (Coelopleurum gmelini), 9, 53; Polygonum bistorta, Wiseman, 6, 7; P. plumosum (P. bistorta plumosum), Franklin, Takotna, Wiseman, 7; Mt. McKinley Nat. Park, C. L. York; P. viviparum (Bistorta vivipara), 9, 53; Eagle River, Juneau, Nome, Unalaska, 7.
- Puccinia BULLATA (Pers.) Schroet. on Conioselinum benthami (Coelopleurum gmelini), St. Paul Isl., Popof Isl., 59.
- Puccinia BUPLEURI Rudolphi on Bupleurum americanum, Franklin, 7.
- Puccinia CARICIS (Schum.) Schroet. on Carex gmelini, Kodiak Isl., W. T. Horne; C. lyngbyei (C. cryptocarpa), Kodiak Isl., W. T. Horne; C. macrochaeta, 53; Sitka, 3, 7; Juneau, 7, 21; C. mertensii, 53; Sitka, 3, 7; Haines, 7, 21; Juneau, 7; C. pluriflora, 7; C. raymondii (C. atratiformis), Cordova, 22; C. sitchensis, 53; Sitka, 3, 7; C. stygia, 53; Sitka, 3; C. tolmiei, New Metlakatla, Sitka, 59; Ribes alpinum, 9, 53; Sitka, 2, 3, 7; R. bracteosum, 9, 53; Sitka, 1, 2, 3, 7, 21; Juneau, Tenakee, 7, 21; Hyder, 7; R. glandulosum, Sitka, 1; R. gordianum, 9, 53; R. hudsonianum, 9, 53; Fairbanks, 7; R. lacustre (R. echinatum), 9; Sitka, 1, 2, 3, 7, 9, 21; Gull Isl. (Lynn Canal), 7; R. laxiflorum, 9, 53; Sitka, 2, 3, 8; Juneau, 7, 21; Hyder, 7; R. (Grossularia) oxyacanthoides, 53; Sitka, 2, 3; R. petiolare, 9; R. rubrum (R. vulgare), 9, 53; Sitka, 7, 21; Wrangell, W. H. Evans; R. sanguineum, 9, 53; Sitka, 2, 3, 7; R. triste, 7, 9, 53; Sitka, 2, 3; Skagway, 21; R. sp., Juneau, 21, 59; Wrangell, Sitka, Yakutat, 59; Urtica lyallii, 9; Juneau, 7.
- Puccinia caricis grossulariata Arth.: See Puccinia CARICIS.
- Puccinia CARICIS-SHEPHERDIAE J. J. Davis on Carex sp., Juneau, D. V. Baxter.
- Puccinia caricis urticata (Kern) Arth.: See Puccinia CARICIS
- Puccinia CICUTAE Lasch on Cicuta douglasii, Haines, 7, 21.
- Puccinia CIRCAEAE Pers. on Circaea alpina, 3, 9, 53; Echo Cove (Lynn Canal), Juneau, Ketchikan, Sitka, Talkeetna, 7; C. pacifica (?), 9, 53; C. sp., Juneau, 59.
- Puccinia clematidis (DC.) Lagh.: See Puccinia RUBIGO-VERA.
- Puccinia COCKERELLIANA Bethel on Festuca rubra lanuginosa, Kenai, C. L. Lefebvre.
- Puccinia COELOPLEURI Arth. on Angelica lucida, 7; Conioselinum benthami (Coelopleurum gmelini), 9, 53, 70; Haines, 7, 21; Eagle River near Juneau, Echo Cove (Lynn Canal), Hope, Juneau, Seward, 7.
- Puccinia CONGLOMERATA (Strauss) Schm. & G. Kunze on Petasites frigidus, Talkeetna Mts., Barrow, Wainwright, 6, 7; Mt. McKinley Nat. Park, D. V. Baxter.
- Puccinia CORONATA Cda. on Bromus arcticus and B. inermis, Anchorage, C. L. Lefebvre; B. ciliatus, Dunbar, C. L. L.; Calamagrostis canadensis, Wiseman, 6, 7; College, C. L. L.; Shepherdia (Lepargyrea) canadensis, 9, 53; Klukwan, 21; Fairbanks, Franklin, Healy, Ketchikan, 7; Mt. McKinley Nat. Park, C. L. L.
- Puccinia CRUCIFERARUM Rudolphi on Cardamine bellidifolia, Talkeetna Mts., 6, 7.
- Puccinia DRABAE Rudolphi on Draba aurea, 9, 53; Draba sp., Skagway, 7, 21.
- Puccinia epilobii-tetragoni (DC.) Wint.: See Puccinia VAGANS.

- PUCCINIA EXTENSICOLA Plowr. on Aster foliaceus, 9, 53; Kodiak, 59; on Erigeron peregrinus, Unalaska, 7; Scorzonella borealis, 53.
- Puccinia extensicola asteris* (Thuem.) Arth.: See P. EXTENSICOLA.
- Puccinia extensicola hieraciata* (Schw.) Arth.: See P. EXTENSICOLA.
- PUCCINIA FERGUSSONI Berk. & Br. on Viola blanda, Kodiak, 59; V. epipsila repens, Hope, 7; V. langsдорфii, Juneau, 6, 7; V. palustris, 9, 53.
- PUCCINIA FESTUCAE (DC.) Plowr. on Festuca altaica, Homer, C. L. Lefebvre.
- PUCCINIA GEMELLA Diet. & Holw. on Caltha leptosepala, 7, 9, 53.
- PUCCINIA GENTIANAE (Strauss) Pk. on Gentiana algida (G. frigida, G. romanzovii), 9, 53; Nome, 7, 8.
- Puccinia geranii-silvatici* Karst.: See P. LEVEILLEI.
- PUCCINIA GIGANTEA Karst. on Epilobium angustifolium, Circle, 6, 7; Epilobium sp., Cooper Center, D. V. Baxter.
- PUCCINIA GIGANTISPORA Bub. on Anemone multifida (A. globosa), Chitina, 6, 7; Gakona, 7; A. naricissiflora, 53.
- PUCCINIA GRAMINIS Pers. on Agrostis sp., Cordova, D. V. Baxter.
- Puccinia grossulariae* (Schum.) Lagh.: See PUCINIA CARICIS.
- PUCCINIA GRUMOSA Syd. & Holw. on Zygadenus elegans, Ehlutna Lake, C. L. York; Cooper's Landing (Kenai Peninsula), Franklin, 7.
- PUCCINIA GYMNANDRAE Tranz. on Lagotis glauca, Nunivak Isl., 6, 7.
- PUCCINIA HEUCHERAE (Schw.) Diet., 6; Tunnel, 13; on Heuchera glabra, 9, 53; Juneau, 7, 21, 59; Skagway, Haines, 7, 21; Kodiak Isl., 13; Cordova 7, 22; Russell Fiord, 59; Ivanof Bay, Seward, 7; H. sp., 21; Mitella pentandra, 6; Douglas, Hyder, Talkeetna Mts., 7; Saxifraga lyallii, North of Tlehini (Lynn Canal), 36; Talkeetna Mts., 7; S. punctata nelsoniana (Micranthes nelsoniana), 9, 53; Juneau, 59; S. sp., 59; Tellima grandiflora, 9, 53; Disenchantment Bay, 59; Ivanof Bay, 7; Tiarella trifoliata, 9, 53; Sitka, Tenakee, 7, 21; Cordova, 22; T. unifoliata, 6; Juneau, 7; Tolmiea menziesii, 6; Craig, 7.
- PUCCINIA HIERACII (Schum.) Mart. on Hieracium albiflorum, Hyder, 6, 7; Taraxacum lyratum, 9, 53; Skagway, 21; T. mutilum, Fairbanks, Wiseman, 6; T. officinale (T. vulgare, Leontodon taraxacum), 9, 53; Skagway, 21; Seward, Cordova, 22; T. spp., Anchorage, Haines, Skagway, Talkeetna, Valdez, Wiseman, 7.
- PUCCINIA HOLBOELLII (Horn.) Rostr. on Arabis divaricarpa, Potter, D. M. Coe; A. holboellii, 9, 53; Chickaloon, Cooper's Landing (Kenai Peninsula), Fairbanks, Gakona, Matanuska, Tanacross, 7; A. holboellii var. retrofracta, Gakoma, J. P. Anderson; A. lyallii occidentalis, 9, 53; Kodiak Isl., W. T. Horne; A. lyrata kamchatica (A. ambigua), 9, 53; Eagle Creek, Hope, Juneau, Seward, 7; north of Nushagak, J. B. Mertie, Jr.; A. sp., Kenai Peninsula, L. J. Palmer; Bodenborg Butte (Matanuska Valley), J. C. Chamberlin.
- PUCCINIA INSUPERATA Jacks. on Prenanthes alata (Nabalus hastatus), 9, 53; Ketchikan, Sitka, 7, 21.
- PUCCINIA KARELICA Tranz. on Trientalis europaea arctica (T. arctica), 9, 53; Juneau, 7, 21.
- PUCCINIA LAURENTIANA Trel. on Saxifraga (Ocrearia) nudicaulis, 9, 53; St. Lawrence Isl.,

7, 59.

- Puccinia LEVEILLEI Mont. on Geranium erianthum, 9, 38, 53; Cooper's Landing (Kenai Peninsula), Juneau, Talkeetna Mts., Unalaska, 7; Popof Isl., 59; G. sp., Kenai, C. L. Lefebvre.
- Puccinia LIGUSTICI Ell. & Ev. on Conioselinum benthami (Conioselinum gmelini kamtschaticum), Gull Isl. (Lynn Canal), St. Paul Isl., 6, 7; Amchitka Isl., 7.
- Puccinia LINKII Klotzsch on Viburnum edule (V. pauciflorum), Skagway, Matanuska, 6, 7; Seward, 7.
- Puccinia MAJANTHEMI Diet. on Maianthemum dilatatum (M. bifolium), Aleutian Isls., G. A. Llano.
- Puccinia MARIAE-WILSONI G. W. Clint. on Claytonia arctica, St. Paul Isl., 59.
- Puccinia MERTENSIAE Pk. on Mertensia paniculata, Mt. McKinley Nat. Park, D. V. Baxter; Clearwater Creek at Slana-Tok Highway, 7 (as P. mertensiana).
- Puccinia MESOMAJALIS Berk. & Curt. on Clintonia uniflora, Ketchikan, Hyder, 6; C. sp., Ketchikan, D. V. Baxter.
- Puccinia MILLEFOLII Fckl. on Achillea borealis, 9, 53; Haines, 7, 21; Circle, D. M. Coe; Achillea multiflora, Circle, D. M. Coe; Artemisia laciniata, Globe, 7; Artemisia tilesii (A. elatior), Healy, 6, 7; Franklin, 7; Seward, D. V. Baxter.
- Puccinia NEPHROPHYLLIDII Mains on Nephrophyllidium crista-galli, Ketchikan, 49. See note by Anderson (7) on possible identity with P. areolata Diet. & Holw.
- Puccinia OBSCURA Schroet. on Luzula multiflora, Eagle River near Juneau, 7.
- Puccinia ORTONI Jacks. on Dodecatheon frigidum, 6, 9, 53; Haines, 7, 21; Lignite, 7; D. jeffreyi (?), 6, 9, 53; Port Benny, 22; D. macrocarpum, Juneau, 7; D. pauciflorum, 6; D. viviparum, Annette Isl., Juneau, Ketchikan, 7.
- Puccinia OUDEMANSII Tranz. on Parrya nudicaulis, Cape Lisburne, 6, 7.
- Puccinia OXYRIAE Fckl., Tunnel, 13; on Oxyria digyna, near Juneau, 6, 7, 13; Cordova, D. V. Baxter.
- Puccinia PARCA Arth. on Polygonum sp., Healy, D. V. Baxter.
- Puccinia PARKERI Diet. & Holw. on Ribes lacustre (R. echinatum), 9; Chatham, 7, 21.
- Puccinia PAZSCHKEI Diet. on Saxifraga tricuspidata, Lawing, D. V. Baxter.
- Puccinia PIMPINELLAE (Strauss) H. Mart. on Osmorrhiza chilensis (O. intermedia), 7, 9, 53; Klukwan, 21; O. longistylis, Cordova, D. V. Baxter.
- Puccinia POAE-SUDETICAE (West.) Jorst., Tunnel, 13; on Phleum alpinum, Homer, C. L. Lefebvre; Poa glauca, Happy Valley, Kenai Peninsula, S. C. Litzenberger; Mt. McKinley Nat. Park, Glenn Highway (Mile 82), C. L. L.; Poa pratensis, 9; Sitka, 3; Klukwan, 21; Homer, Dunbar, C. L. L.; Juneau, 7; Poa stenantha, Valdez, C. L. L.; Trisetum spicatum, Mt. McKinley Nat. Park, Valdez, Kotzebue, C. L. L.
- Puccinia POAE-SUDETICAE (West.) Jorst. var. AIRAE (Lagh.) Diet. on Deschampsia caespitosa, Unalakleet, C. L. Lefebvre.
- Puccinia POARUM Niessl on Petasites corymbosus, 9, 53; P. frigidus, 9, 53; Pribilof Isls., 6; Kotzebue, 6, 7; Sitka, 8 (as Aecidium sp.); St. Paul Isl., 7; Richardson Highway 152, 233, Stebbins, Lignite, 7; P. hyperboreus, Eagle River near Juneau, 7; P. sagittatus,

Northway, 7; P. sp., Kodiak Isl., W. T. Horne.

Puccinia poarum Niessl on Poa pratensis: See Puccinia POAE-SUDETICAE.

Puccinia POLEMONII Diet. & Holw. on Polemonium acutiflorum, Gambell, 7; St. Lawrence Isl., 6; P. humile, Hope, D. V. Baxter.

Puccinia POLYGONI-ALPINI Cruch. & Mayor on Polygonum alaskanum (Aconogonum phytolaccaefolium), Golovin, Unalakleet, 6, 7.

Puccinia PORPHYROGENITA Curt. on Cornus canadensis, 9, 53; Sitka, 3, 59; Juneau, 6, 7; Tenakee, Haines, 7, 21; Cordeva, 22; Yes Bay, Douglas Isl., 59; Ketchikan, Echo Cove (Lynn Canal), Eagle Isl., 7; C. suecica, Juneau, 7.

Puccinia PRAEGRACILIS Diet. on Habenaria dilatata (Limnorchis leptoceratatis), 9, 53; Kodiak, Popof Isl., Yakutat Bay, 59; Juneau, 6, 7; H. hyperborea, 7, 9, 53; Kodiak, 59; H. saccata, Unalaska, 7; H. viridis bracteata (Coeloglossum viride bracteatum), 7, 9, 53; Kodiak, Bering Isl., 59; H. sp., 70; Kodiak Isl., W. T. Horne; Orchis aristata, 7, 9, 53; Kodiak, Unalaska, 59; O. sp., 70.

Puccinia PRENANTHIS (Pers.) Fckl. on Prenanthes alata, Sitka, Kodiak, 59. Possibly P. insperata Jacks.

Puccinia procera Diet. & Holw. on Elymus dahuricus: See P. RUBIGO-VERA on Elymus virescens.

Puccinia PULSATILLAE Kalchb. on Anemone narcissiflora, Richardson Highway 207, 7; A. parviflora, Wiseman, 7; A. patens wolfgangiana (Pulsatilla ludoviciana), Healy, 6, 7.

Puccinia PYGMAEA Eriks. on Arctagrostis arundinacea, 9; Nome 8; A. latifolia, Nome, Glenn Highway, C. L. Lefebvre; A. l. var. arundinacea, Alaska Highway, 7; Calamagrostis aleutica, 9, 53; Sitka, 3; C. nutkaensis, Sitka, 7; Hordeum brachyantherum (H. nodosum boreale), Cordova, 22.

Puccinia RANUNCULI Blytt, 45; on Ranunculus eschscholtzii, 9; Sitka, 7, 21.

Puccinia RETECTA Syd. on Anemone narcissiflora (A. zephyra), 6, 9, 53; Cleary Summit (Steese Highway 20), Healy, Juneau, Takotna, Unalaska, 7.

Puccinia rhamni (Pers.) Wettst.: See P. CORONATA.

Puccinia RIBIS DC., Tunnel, 13; on Ribes rubrum, Homer, W. H. Evans; Wasilla, D. M. Coe.

Puccinia RUBEFACIENS Johans. on Galium boreale, 9, 53; Circle, Fairbanks, Healy, Wiseman, 7.

Puccinia RUBIGO-VERA (DC.) Wint. on Aconitum delphinifolium, 9, 53; St. Paul Isl., 7; Aconitum maximum, Aleutian Isls., 6; Igitkin Isl., St. Paul Isl., 7; Actaea arguta, 9, 53; Klukwan, 7, 21; Coopers's Landing (Kenai Peninsula), 7; Actaea eburnea (A. alba), 9, 53; Klukwan, 21; Aquilegia formosa, 9; Juneau, 7, 21; Cooper's Landing (Kenai Peninsula), Gull Isl. (Lynn Canal), 7; Elymus mollis, 7, 9, 53; E. villosus (E. holwellii), 9, 53; Revillagigedo Isl., 59; E. virescens, 7, 9, 53; Puccinellia sp., Juneau, D. V. Baxter; Ranunculus cymbalaria, 9, 53; Matanuska, 7; R. occidentalis, 9, 53; Unalaska, 7; Thalictrum hultenii (T. kemense), Aleutian Isls., 6; Unalaska, 7; Trisetum spicatum, Talkeetna, 7.

Puccinia rubigo-vera agropyri (Eriks.) Arth.: See Puccinia RUBIGO-VERA

Puccinia saxifragae Schlecht.: See Puccinia HEUCHERAE.

- PUCCINIA SEPTENTRIONALIS Juel on Polygonum (Bistorta), viviparum, 9, 53; Nome, 8; Juneau, 7; Thalictrum alpinum, 7; 9, 53; Kodiak, 8.
- PUCCINIA SIEVERSIAE Arth. on Geum turbinatum, Palmer, D. V. Baxter.
- PUCCINIA SWERTIAE Wint., Kodiak 59 (as Aecidium fraseriae on Frasera sp. -- probably Swertia perennis); Swertia perennis, 9, 59; Isabella Pass, 7; Kodiak Isl., W. T. Horne.
- PUCCINIA SYMPHORICARPI Harkn. on Symphoricarpos albus (S. racemosus), 9, 53; Klukwan, 21; S. rivularis, Klukwan, 7.
- Puccinia taraxaci* Plowr.: See PUCCINIA HIERACII.
- PUCCINIA THLASPEOS Schub. on Arabis lyrata kamchatica (A. ambigua), Disenchantment Bay, 59. Probably *P. holboellii* (Horn.) Rostr.
- Puccinia tiarellae* Berk. & Curt.: See PUCCINIA HEUCHERAE.
- PUCCINIA ULIGINOSA Juel on Parnassia palustris, 9, 53, 70; Kodiak, 7, 59.
- PUCCINIA VAGANS (DC.) Arth. on Epilobium anagallidifolium, Juneau, 21; Talkeetna Mts., 6, 7; E. glandulosum, Sitka, 53; Juneau, 7; E. hornemannii (E. bongardi), 53; E. (Chamaenerion) latifolium, 53; E. sp., Kodiak Isl., W. T. Horne.
- Puccinia vagans* var. *epilobii tetragoni* DC.: See P. VAGANS.
- PUCCINIA VALERIANAE Carest. on Valeriana capitata, St. Paul Isl. 59.
- PUCCINIA VERATRI (DC.) Duby on Epilobium adenocaulon, Sitka, 8; E. anagallidifolium, 9, 53; Talkeetna Mts., 7; E. latifolium, Talkeetna Mts., 7; E. sp., Ketchikan, 7; Veratrum eschscholtzii, Spruce Isl., D. V. Baxter.
- PUCCINIA VESICULOSA Schlecht. on Anemone narcissiflora var. villosissima, Unalaska, 28.
- PUCCINIA VIOLAE (Schum.) DC. on Viola adunca, Haines, 7; V. epipsila repens, Hyder, Juneau, Sitka, 7; V. glabella, Echo Cove (Lynn Canal), Ketchikan, 7; V. langsdorfii, 9, 53; Juneau, Eagle River near Juneau, 7; Skagway, 7, 21; V. palustris, 9, 53; Sitka, 21; V. renifolia brainardii, Chickaloon, 7; V. sp., Talkeetna, 7; Kodiak Isl., W. T. Horne.
- PUCCINIA VIRGAUREAE (DC.) Lib. on Solidago sp., Kodiak, D. V. Baxter.
- PUCCINIA VOLKARTIANA E. Fisch. on Androsace chamaejasme, 9, 70; A. chamaejasme lehmanniana, Rapids Lodge (Richardson Highway 233), 7.
- PUCCINIASTRUM ALASKANUM Mains on Gentiana glauca, Mt. McKinley Nat. Park, 7, 14, 49; Nome, Russian River, 14.
- PUCCINIASTRUM ARCTICUM (Lagh.) Tranz. 70; Tunnel, 13; on Rubus alaskensis, Curry, Talkeetna, 7; R. arcticus (R. acaulis), 9, 53; Nash Harbor on Nunivak Isl., Nome, Talkeetna Mts., Little Susitna River, Chickaloon, Hope, 7; R. chamaemorus, 7, 9, 53; Kodiak, 59 (as Phragmidium rubi-idaei); R. stellatus, 9, 53; Mendenhall, Juneau, 21; Kodiak Isl., W. T. Horne; Seward, Moose Pass, Hunter, Little Susitna River, Unalaska, Juneau, Chichagof Isl., 7.
- Pucciniastrum epilobii* Otth: See P. PUSTULATUM.
- PUCCINIASTRUM GOEPPERTIANUM (Kuehn) Kleb. on Vaccinium ovalifolium, 9; Skagway, 7, 21; V. parvifolium, Hollis Anchorage (Prince of Wales Isl.), J. A. Klein; V. uliginosum, 21; Skagway, 7; V. vitis-idaea, 9; Skagway, 7, 21; V. sp., 23.
- PUCCINIASTRUM MYRTILLI (Schum.) Arth., Tunnel, 13; on Vaccinium alaskense, 9; Sitka,

Haines, Ketchikan, 7, 21; Endicott River, near Juneau, 7; V. caespitosum, 9; Sitka, 3, 7, 21; Ketchikan 7, 21; Juneau, 7; V. myrtillus, Tenakee, 21; V. ovalifolium, 9; Sitka, 3, 7, 21; Juneau, 7; V. uliginosum, Talkeetna, Unalaska, 7; V. sp., Koyukuk, 18; Sitka, 59.

PUCINIASTRUM PUSTULATUM (Pers.) Diet., 14; on Abies lasiocarpa, 9, 53; Skagway, 7, 21; Clarkia elegans, 9, 53; Juneau, 7, 21; Epilobium adenocaulon, 9, 53; E. alpinum, 9, 53; E. angustifolium (Chamaenerion exaltatum, E. spicatum), 9, 53; Haines, 7, 21; Kodiak Isl., 13; Seward, 22; Fairbanks, Matanuska, Takotna, Wiseman, 7; E. glandulosum (E. affine), 9, 53; Sitka, 3, 7; Ketchikan, 7, 21; Juneau, Tenakee, 7; E. (Chamaenerion) latifolium, 9; E. palustre, 9, 53; E. sp., Cordova, 22; Valdez, D. V. Baxter; Kodiak Isl., W. T. Horne; Skagway, J. P. Anderson; Fuchsia speciosa, Juneau, 7; Godetia amoena (G. grandiflora, Clarkia superba), 9, 53; Juneau, 7, 21; Tenakee, 7.

PUCINIASTRUM PYROLAE (Pers.) Schroet., Tunnel, 13; on Pyrola asarifolia, 9; P. asarifolia incarnata, 7; P. minor, Hyder, 6, 7; Skagway, 7; P. rotundifolia (?), Unalaska, 28; P. secunda, Valdez, D. V. Baxter; Talkeetna, 7.

PUCINIASTRUM SPARSUM (Wint.) E. Fisch. on Arctostaphylos (Mairania) alpina, 9, 53; Wiseman, 7; A. rubra (A. alpina rubra, Arctous erythrocarpa), 6; Circle, Fairbanks, Franklin, Richardson Highway 86, 7.

Pucciniastrum vacciniorum Lagh.: See **P. MYRTILLI**.

Pucciniola carnea (Nees) Arth.: See **UROMYCES LAPPONICUS**.

Pucciniola hedysari-obscuri (DC.) Arth.: See **UROMYCES HEDYSARI-OBSCURI**.

Pucciniola miurae (Syd.) Arth.: See **UROMYCES MIURAE**.

Thecopsora vacciniorum (Lk.) Karst.: See **PUCINIASTRUM MYRTILLI**.

TRANZSCHELIA SUFFUSCA (Holw.) Arth., Healy, 6; on Anemone patens multifida, Globe, Healy, Matanuska, Lignite, 7; A. patens wolfgangiana (Pulsatilla ludoviciana), 9, 53.

TRANZSCHELIA THALICTRI (Chev.) Diet. on Thalictrum sp., Moose Pass, D. V. Baxter.

URAECIUM HOLWAYI Arth. on Tsuga heterophylla, 9, 53; Sitka, 7, 21.

UREDINOPSIS STRUTHIOPTERIDIS Stoerm. on Athyrium cyclosum, Ketchikan, 6; A. filix-femina, Juneau, Ketchikan, 7.

Uredo alpina (Juel) Arth.: See **MELAMPSORA ARCTICA**.

Uredo bigelowii (Thuem.) Arth.: See **MELAMPSORA BIGELOWII**.

Uredo holwayi Arth.: See **URAECIUM HOLWAYI**.

Uredo ledicola Pk.: See **CHRYSOMYXA LEDICOLA**.

UREDIO MCKINLEYENSIS Cummins on Salix reticulata gigantifolia, 24.

Uredo nootkatensis Trel.: See **GYMNOSPORANGIUM NOOTKATENSE**.

UROMYCES CARYOPHYLLINUS (Schrank) Wint. on Dianthus caryophyllus, 53; Sitka, 3, 63; Juneau, 7.

Uromyces erythronii (DC.) Pass on Fritillaria kamschatcensis: See **UROMYCES MIURAE**.

UROMYCES FABAE (Pers.) D By. on Lathyrus japonicus (L. maritimus), Knik, S. C. Litzenberger; Haines, Matanuska, Unalakleet, 6, 7; L. sp., Valdez, D. V. Baxter.

- UROMYCES GERANII (DC.) Fr. on Geranium erianthum, 9, 53; Haines, 21; Kodiak, Kukak Bay, 59; Juneau, 7, 21; Cooper's Landing (Kenai Peninsula), Echo Cove (Lynn Canal) Palmer, Unalaska, Ivanof Bay, 7.
- UROMYCES HEDYSARI-OBSCURI (DC.) Car. & Piccone on Hedysarum alpinum americanum, 9, 53; Endicott River, Healy, Matanuska, Wiseman, 7; H. boreale, Mt. McKinley Nat. Park, C. L. Lefebvre; H. mackenzii, Wiseman, 6, 7; Gakona, 7; H. sp., Nome, Healy, 6; Matanuska Glacier, Glenn Allen Highway (Mile 101), C. L. L.
- UROMYCES LAPPONICUS Lagh. on Astragalus sp., 9, 53; O. nigrescens, Healy, Twelve Mile Summit (Steese Highway 87), Unalakleet, 7.
- UROMYCES MIURAE Syd. on Fritillaria kamtschaticensis, 9, 53, 70; Kodiak, Kukak Bay, 59 (as U. erythronii); Hope, Hyder, Juneau, 7.
- UROMYCES PHACAE-FRIGIDAE (Wahl.) Hariot on Astragalus umbellatus, Eagle Summit on Steese Highway, Wiseman, 6, 7; A. (Phaca) sp., Unga Isl., 6.
- UROMYCES POLYGONI (Pers.) Fckl. on Polygonum aviculare, 9, 53; Seward, Palmer, 6; Haines, 21; P. buxiforme, Haines, Palmer, Seward, 7.
- XENODOCHUS CARBONARIUS Schlecht., 70; on Sanguisorba officinalis (S. microcephala), Sitka, 7, 21 (as X. minor); Kodiak Isl., W. H. Horne.
- XENODOCHUS MINOR Arth. on Sanguisorba sitchensis (S. latifolia), Sitka, 3, 7, 70; Talkeetna Mts., 6, 7.
- Xenodochus minor Arth. on Sanguisorba microcephala: See X. CARBONARIUS.

USTILAGINALES

- CINTRACTIA ASPERA Liro on Carex chordorrhiza, 61.
- CINTRACTIA CARICIS (Pers.) Magn. on Carex aquatilis, Circle, Nome, D. V. Baxter; Copper Center, C. L. Lefebvre; C. gmellini, 53; C. laevirostris, Nenana, D. V. Baxter; C. pachystachya (C. festiva), 53; C. rostrata, Fairbanks, D. V. Baxter; C. stygia (C. limosa stygia), 53.
- CINTRACTIA CARICIS (Pers.) Magn. var. ACUTARUM Savile on the following species of Carex, 61; C. aquatilis, C. livida?, C. lyngbyei cryptocarpa, C. ramenskii.
- CINTRACTIA CARICIS (Pers.) Magn. var. CARICIS Savile on Carex livida, 61.
- CINTRACTIA CARICIS (Pers.) Magn. var. INTERMEDIA Savile on Carex gmellini and C. lyngbyei cryptocarpa, 61.
- CINTRACTIA CARPOPHILA (Schum.) Liro on the following species of Carex, 61; C. brunne-cens, C. canescens, C. disperma, C. gynocrates, C. loliacea, C. pauciflora, C. petri-cosa, C. rossii, C. tenuiflora x ? gynocrates.
- CINTRACTIA CARPOPHILA (Schum.) Liro var. ELYNAE (Syd.) Savile on Carex lachenelii, 61.
- CINTRACTIA CARPOPHILA (Schum.) Liro var. KENAICA Savile on Carex pyrenaica micropoda, Kenai Peninsula, 61.
- CINTRACTIA CARPOPHILA (Schum.) Liro var. VERRUCOSA Savile on Carex macloviana pachystachya, Kenai Peninsula, 61.
- CINTRACTIA FISCHERI (Karst.) Liro on Carex rostrata, 61.

CINTRACTIA LIMOSA Syd. var. GIGANTISSIMA (Lehtola) Savile on the following species of Carex, 61; C. limosa, C. lyngbyei cryptocarpa, C. paupercula, C. pluriflora.

CINTRACTIA LIMOSA Syd. var. LIMOSA Savile on the following species of Carex, 61: C. buxbaumii, C. lasiocarpa americana, C. paupercula.

CINTRACTIA LIMOSA Syd. var. MINOR Savile on Carex scirpoidea, 61.

CINTRACTIA SUBINCLUSA (Koerner) Magn. on Carex physocarpa, 61.

SPHACELOTHECA INFLORESCENTIAE (Trel.) Jaap. 43; on Polygonum viviparum (Bistorta vivipara), 53; Kodiak, Yakutat, 59; Unalaska, 35, 59.

Sphacelotheca ustilaginea (DC.) Ito: See S. INFLORESCENTIAE.

TILLETIA CARIES (DC.) Tul., 46; on Triticum (Changat wheat), Palmer, R. Thompson.

TILLETIA CEREBRINA Ell. & Ev. on Deschampsia caespitosa, Kodiak Isl., C. C. Georgeson.

TILLETIA FOETIDA (Wallr.) Liro on Triticum, 46; T. (Siberian wheat), Matanuska, C. L. Lefebvre.

TUBURCINIA TRIENTALIS Berk. & Br. on Trientalis europaea arctica (T. arctica), 53; T. sp., Kodiak, Unalaska, 59.

UROCYSTIS AGROPYRI (Preuss) Schroet. on Agropyron trachycaulum, Homer, C. L. Lefebvre; Poa sp., Mt. McKinley Nat. Park, C. L. L.

UROCYSTIS ALASKANA Zundel on Boykinia richardsoni, Nome.

UROCYSTIS ANEMONES (Pers.) Wint. on Anemone narcissiflora, Juneau, 21.

UROCYSTIS CARCINODES (Berk. & Curt.) Alek. Fisch. on Actaea arguta, Moose Pass, D. V. Baxter.

UROCYSTIS SOROSPORIOIDES Koern. on Anemone narcissiflora, 53; Juneau, J. P. Anderson.

UROCYSTIS VIOLAE (Sow.) Alek. Fisch. on Viola glabella, 53; Juneau, 21.

USTILAGO AVENAE (Pers.) Jens. on Avena sativa, 46; Sitka, 4; Fairbanks, D. V. Baxter.

USTILAGO BISTORTARUM (DC.) Koern. on Polygonum viviparum (Bistorta vivipara), 9; Skagway, 21; Port Wells, 59.

Ustilago bistortarum inflorescentiae Trel.: See SPHACELOTHECA INFLORESCENTIAE.

USTILAGO BULLATA Berk. on Hordeum jubatum, 53; Circle, D. M. Coe; Rampart, D. V. Baxter.

USTILAGO CALAMAGROSTIDIS (Fckl.) Clint. on Calamagrostis canadensis, Unalakleet, C. L. Lefebvre.

USTILAGO HORDEI (Pers.) Lagh. on Hordeum vulgare, 46; Palmer, A. Thompson; Matanuska, C. L. Lefebvre.

Ustilago inflorescentiae Maire: See SPHACELOTHECA INFLORESCENTIAE.

USTILAGO KOLLERI Wille on Avena sativa, 46; Palmer, D. M. Coe, P. Johnson; Fairbanks, Matanuska, C. L. Lefebvre.

Ustilago lorentziana Thuem.: See USTILAGO BULLATA.

USTILAGO STRIFORMIS (West.) Niessl on Arctagrostis latifolia, Unalakleet, C. L. Lefebvre;

- USTILAGO STRIIFORMIS (West.) Niessl on Arctagrostis latifolia, Unalakleet, C. L. Lefebvre; Calamagrostis canadensis, Homer, C. L. L.
- USTILAGO TRITICI (Pers.) Rostr. on Triticum aestivum, Palmer, D. M. Coe; Matanuska, C. L. Lefebvre.
- USTILAGO VINOSA (Berk.) Tul., 35, 43, 44; on Oxyria digyna, 53; Point Barrow, 59.
- USTILAGO VIOLACEA (Pers.) Fckl. on Cerastium maximum, 53.

EXOBASIDIALES

- EXOBASIDIUM COMOSUM Ell. & Ev. (ined.) on Vaccinium ovalifolium, Yes Bay, M. W. Gorman. Possibly E. vaccinii (Fckl.) Wor.
- EXOBASIDIUM DENDROIDES Ell. & Ev. (ined.) on Cassiope tetragona, Yes Bay, M. W. Gorman. Possibly E. vaccinii (Fckl.) Wor.
- Exobasidium discoideum Ell.: See E. VACCINII.
- EXOBASIDIUM VACCINII (Fckl.) Wor. on Andromeda polifolia, Sitka, J. P. Anderson; Cassiope mertensiana, Sitka, 4; Kalmia polifolia (K. microphylla), Skagway, Sitka, J. P. Anderson; Ledum decumbens (L. palustre), Kodiak Isl., W. T. Horne; L. groenlandicum, Sitka, J. P. Anderson; Menziesia ferruginea, Sitka, 4; M. sp., Yes Bay, M. W. Gorman; Sitka, 20; Vaccinium caespitosum, Sitka, J. P. A.; V. ovalifolium, Orca, 59; Kodiak Isl., W. T. Horne; V. oxycoccus, Seldovia, 59; V. uliginosum, Sitka, Skagway, Juneau, J. P. A.; V. uliginosum mucronatum, Kodiak Isl., W. T. H.; V. vitis-idaea, W. T. H.; Wainwright, J. P. Stow.

AGARICALES

- AGARICUS CAMPESTRIS Fr., Kodiak, 59.
- AGARICUS MUTABILIS, 25. Possibly Pholiota mutabilis (Fr.) Quéf. Dall (25, p. 123, 594) refers to the occurrence of several edible fungi (unnamed): "They were of two or three species, all poisonous in our climate; but in this extreme northern region they proved to be innocuous and eatable, though quite tasteless."
- AGARICUS SILVATICUS Fr., Punik Isl., W. Geist.
- ALEURODISCUS SUBCRUENTATUS (Berk. & Curt.) Burt, Kodiak, G. Silverwood.
- ALEURODISCUS WEIRII Burt on Tsuga sp., Tunnel, 13.
- AMANITA MUSCARIA (Fr.) S. F. Gray, Lake Iliamna, 12; Skagway, E. E. Morse.
- AMANITOPSIS VAGINATA (Fr.) Quéf. var. LIVIDA Pk., St. Lawrence Isl., W. Geist.
- BOLETUS SCABER Fr., Skagway, G. Dortero.
- CANTHARELLUS BRYOPHILUS Pk. nec Fr., Muir Glacier, 59.
- CANTHARELLUS FLOCCOSUS Schw. f. FLOCCOSUS, Prince of Wales Isl., 23.
- CANTHARELLUS MULTIPLEX Underw., Prince of Wales Isl., 23.
- CLAVARIA SUECICA Fr., Yukon River, L. J. Palmer.
- CLITOCYBE CYATHIFORMIS (Fr.) Kummer, St. Paul Isl., 48, 59.
- CLITOCYBE DIATRETA (Fr.) Kummer, St. Paul Isl., 48, 59.

- CLITOCYBE INFUNDIBULIFORMIS (Fr.) Quél., Wrangell, J. C. Scudder et al.
- CLITOCYBE LACCATA (Fr.) Kummer, St. Paul Isl., 48, 59; Skagway, E. E. Morse; Wrangell, J. C. Scudder et al.
- COLLYBIA CONFLUENS (Fr.) Kummer, Skagway, E. E. Morse.
- COLLYBIA DRYOPHILA (Fr.) Kummer, Wrangell, Juneau, Sitka, Kodiak, 59; near Nome, C. W. Thornton.
- COLLYBIA TUBEROSA (Fr.) Kummer on old agarics, Skagway, Mrs. G. Dortero.
- COLLYBIA VELUTIPES (Fr.) Kummer var. SPONGIOSA Pk., Yakutat, 59.
- COPRINUS PLICATILIS Fr., Hot Springs, Baranof Isl., 59.
- CORTICIUM EVOLVENS Fr. on Betula sp., Tenana, 18.
- Corticium incarnatum Fr.: See PENIOPHORA INCARNATA.
- Corticium laeve Pers.: See C. EVOLVENS.
- CORTICIUM RADIOSUM Fr., Ketchikan, 19.
- CORTICIUM VAGUM Berk. & Curt. on Picea glauca, Eagle, 18.
- CORTINARIUS sp., St. Paul Isl., 48, 59.
- CYTIDIA FLOCCULENTA (Fr.) Hoehn. & Litsch. on Alnus fruticosa sinuata and Salix sp., Nenana, 18.
- CYTIDIA SALICINA (Fr.) Burt on Salix alaxensis, Anaktuvuk Pass, G. A. Llano; Salix sp., Hope, D. V. Baxter.
- DAEDALEA CONFRAGOSA Fr., Koyukuk, 12, 13, 14; Skagway, E. E. Morse; on Salix sp., Stillwater Crossing, 18.
- DAEDALEA UNICOLOR Fr. on Betula resinifera (B. alaskana), Koyukuk, 18.
- DICTYOLUS MUSCIGENUS (Fr.) Quél., 45.
- DICTYOLUS RETIRUGUS (Fr.) Quél., 54.
- ECCILIA CONCHINA (Fr.), Juneau, 59.
- ECHINODONTIUM TINCTORIUM (Ell. & Ev.) Ell. & Ev., Russian River, 13; on Tsuga heterophylla, Moose Pass, 13; T. mertensiana, 12, 13; T. sp., Admiralty Isl., 29.
- ENTOLOMA CLYPEATUM (Fr.) Kummer, Glacier Bay, 59.
- FAVOLUS ALVEOLARIUS (Fr.) Quél. on Salix sp., Koyukuk, 12, 13, 14, 18.
- Favolus canadensis Klotzsch: See F. ALVEOLARIUS.
- FLAMMULA FULVELLA Pk., 48, 59.
- FOMES ANNOSUS (Fr.) Cke., 11-XII, 12; Tongass Nat. Forest, 11-XXIII; on Picea sitchensis, 17; Tsuga heterophylla, Sitka, 11-XII, 17; Prince of Wales Isl., 23.
- FOMES APPLANATUS (S. F. Gray) Gill., Koyukuk, 12, 13, 14; on Picea sitchensis, 30; Populus balsamifera (P. tacamahaca), Stillwater Crossing, 18; Valdez, 13; Ketchikan,

W. C. Weir.; Populus trichocarpa, Anchorage, J. W. Kimmey and M. E. Fowler; Thuja plicata, and Tsuga heterophylla, Prince of Wales Isl., 23; Tsuga sp., Kuiu Isl., 32.

FOMES FOMENTARIUS (Fr.) Kickx on Betula resinifera (B. alaskana), Tanana, 18; B. papyrifera occidentalis, Fairbanks, Kenai Peninsula, J. W. Kimmey and M. E. Fowler; B. sp., Koyukuk, 13; White Pass, 59.

FOMES IGNIARIUS (Fr.) Kickx, Koyukuk, 12; Tunnel, Russian River, Valdez, 13; Rampart, C. W. Gilmore; Unalakleet, L. J. Palmer; on Populus tremuloides, Moose Pass, 13; Kenai River Road (Mile 56), J. W. Kimmey and M. E. Fowler.

FOMES IGNIARIUS (Fr.) Kickx var. NIGRICANS (Fr.) Overh., Koyukuk, 12, 14; on Alnus fruticosa sinuata (A. sitchensis), Prince of Wales Isl., 23; Valdez, 11-XXIII; Betula resinifera (B. alaskana), Fairbanks, 18; Koyukuk, 13; Nogheling Trail, M. W. Gorman; B. kenaica, Moose Pass, 11-XI, 11-XVI, 11-XXIII; B. sp., St. Michael, Lake Iliamna, 59; Salix alaxensis, Koyukuk, 13, 18; S. sp., Valdez, 11-XXIII.

Fomes nigricans (Fr.) Gill.: See F. IGNIARIUS var. NIGRICANS.

FOMES NIGROLIMITATUS (Rom.) Egeland, 11-V; on Picea glauca (P. canadensis), Sitka, Cordova, W. C. Weir; P. sitchensis, Hollis (Prince of Wales Isl.), 30; Moose Pass, 13; P. sp., 17; Tsuga heterophylla, 11-XXIII; Wrangell, Tyee, 11-VIII, 11-XVI, 13, 17.

FOMES OFFICINALIS (Fr.) Neuman on Picea sitchensis, Hollis (Prince of Wales Isl.), 30.

FOMES PINI (Fr.) Karst., Russian River, 13; Koyukuk, 14; on Picea glauca, Koyukuk, 12, 13, 18; P. mariana, 12; P. sitchensis, 14; Moose Pass, Kodiak Isl., 13; Prince of Wales Isl., 23, 30; Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey.

FOMES PINI (Fr.) Karst var. ABIETIS (Karst.) Overh. on Picea spp., 12.

FOMES PINICOLA (Fr.) Cke., Tunnel, Russian River, Kodiak, 13; Orca, Sitka, 59; Koyukuk, Moose Pass, 13, 14; on Picea glauca, Koyukuk, Nenana, Fairbanks, 18; P. sitchensis, Chugach Nat. Forest, Tongass, 17; Prince of Wales Isl., 23, 30; Bear Lake Sale area (Chugach Nat. Forest) J. W. Kimmey; P. sp., Wrangell, J. C. Scudder et al; Tsuga heterophylla, 14; Prince of Wales Isl., 23; T. mertensiana, Chugach Nat. Forest, 12.

Fomes putearius Weir: See F. NIGROLIMITATUS.

Fomes robustus Karst.: See F. ROBUSTUS var. TSUGINUS.

FOMES ROBUSTUS Karst. var. TSUGINUS (Murr.) Overh., on Tsuga heterophylla, 11-XXIII, 11-V; Prince of Wales Isl., 23; T. mertensiana, Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey.

FOMES ROSEUS (Fr.) Cke. on Picea glauca, Circle, 18.

Fomes tinctorius Ell. & Ev.: See ECHINODOTHIMUM TINCTORIUM.

GALERA SPHAGNORUM (Fr.) Karst., Kodiak, 59.

Ganoderma applanatum (S. F. Gray) Pat.: See FOMES APPLANATUS.

GANODERMA OREGONENSE Murr. on Tsuga heterophylla, Prince of Wales Isl., 23; Ketchikan, D. V. Baxter.

GLOEOCYSTIDIUM KARSTENII Bourd. & Galz. on Populus balsamifera, Nenana, 18.

Gymnopilus dryophilus (Fr.) Murr.: See COLLYBIA DRYOPHILA.

Gymnopilus fulvellus (Pk.) Murr.: See FLAMMULA FULVELLA.

- HERICIUM LACINIATUM Banker on Populus trichocarpa, Anchorage, J. W. Kimmey and M. E. Fowler.
- HYDNUM ABIETIS Weir (nom. nud.) on Tsuga heterophylla, Hollis (Prince of Wales Isl.), 30. Probably *Hericium laciniatum* Banker.
- HYDNUM CORALLOIDES S. F. Gray, Prince of Wales Isl., 23.
- Hydnum flagellum* Banker: See HERICIUM LACINIATUM.
- HYDNUM IMBRICATUM Fr., Prince of Wales Isl., 23.
- HYDNUM SUAVEOLENS (Fr.) Qué!., Prince of Wales Isl., 23.
- HYGROPHORUS CANTHARELLUS Fr., Camden Bay, 26.
- HYGROPHORUS CERACEUS Fr., Wrangell, J. C. Scudder et al.
- HYGROPHORUS CONICUS Fr., St. Paul Isl., A. G. Whitney.
- HYGROPHORUS LAETUS Fr., Wrangell, J. C. Scudder et al.
- HYGROPHORUS LIMACINUS Fr., 59.
- HYMENOCHAETE AGGLUTINANS Ell. on Salix sp., Tunnel, Valdez, 13.
- HYMENOCHAETE TABACINA (Fr.) Lév., Tunnel, Russian River, Valdez, 13; Sitka, 19, 59; Prince of Wales Isl., 23; on Alnus fruticosa sinuata, Koyukuk, 18; Salix sp., Lower Russian Lake, D. V. Baxter.
- HYPHOLMA VELUTINUM (Fr.) Kummer, St. Lawrence Isl., W. Geist.
- LACTARIUS INSULSUS Fr., G. Dortero.
- LACTARIUS RESINUS Fr., Skagway, E. E. Morse.
- LENTINUS KAUFFMANII A. H. Sm. on Picea sitchensis, Hollis (Prince of Wales Isl.), 30.
- LENZITES BETULINA Fr. on Betula resinifera (B. alaskana), Fairbanks, 18; B. papyrifera occidentalis, J. W. Kimmey and M. E. Fowler; B. sp., Skagway, E. E. Morse.
- LENZITES SAEPIARIA Fr., Tunnel, Russian River, 13; Skagway, E. E. Morse; Wrangell, J. C. Scudder et al.; on Picea glauca, Koyukuk, Eagle, Nenana, 18; Moose Pass, 11-XXII; P. sitchensis, Prince of Wales Isl., 23; Anchorage, J. W. Kimmey and M. E. Fowler.
- MARASMIUS ANDROSACEUS Fr., Virgin Bay, 59.
- MARASMIUS COHAERENS (Fr.) Qué!., Skagway, E. E. Morse.
- MARASMIUS FILIPES Pk. on Tsuga sp., Orca, 59.
- MARASMIUS PAPILLATUS Pk., Wrangell, J. C. Scudder et al.
- MARASMIUS PERFORANS Fr. on Tsuga sp., Orca, 59.
- MERULIUS CORIUM Fr. on Betula resinifera (B. alaskana), Tanana, 18.
- MERULIUS FUGAX Fr. on Picea glauca, Tanana, 18.
- MERULIUS NIVEUS Fr., Tunnel, Russian River, Valdez, 13; on Alnus sp., 13.

- MYCENA ATROCYANEA (Fr.) Gill., Yakutat, Orca, Virgin Bay, 59.
- MYCENA DEBILIS (Fr.) Quél., Sitka, 59.
- MYCENA EPIPTERYGIA (Fr.) S. F. Gray, Wrangell, J. C. Scudder et al.
- MYCENA STANNEA (Fr.) Quél., Baranof Isl., Orca, Yakutat, 59.
- MYCOACIA MACRODON (Fr.) L. W. Miller & Boyle on Populus balsamifera, Koyukuk, 18.
- NAUCORIA BADIPES (Fr.) Quél., Juneau, 59.
- NAUCORIA CAMERINA (Fr.) Quél., Orca, 59.
- NAUCORIA VERNALIS (Pk.) Sacc., Orca, 59.
- NOLANEA JUNCEA (Fr.) Quél., Sitka, 59.
- NOLANEA? sp., St. Paul Isl., 48 (as "Nalaviea"), 59.
- ODONTIA CRISTULATA Fr. on Alnus fruticosa sinuata, Koyukuk, 18.
- OMPHALIA CAMPANELLA (Fr.) Kummer, Sitka, 59.
- OMPHALIA GRACILLIMA (Fr.) Kummer, Port Clarence, 59.
- OMPHALIA MONTANA Pk., St. Paul Isl., 59.
- OMPHALIA PSEUDO-ANDROSACEA (Fr.) Gill., Juneau, Sitka, 59.
- OMPHALIA PYXIDATA (Fr.) Kummer var. HEPATICA (Fr.) Sacc. Pk. Trel., Yakutat Bay, 59.
- OMPHALIA SEMIVESTIPES Pk., Orca, 59.
- Omphalia sphagnophila Pk.: See O. UMBELLIFERA.
- OMPHALIA UMBELLIFERA (Fr.) Kummer, 45, 54; Cape Fox, Juneau, Sitka, Orca, Virgin Bay, Port Wells, Port Clarence, Yakutat, Hall Isl., St. Lawrence Is., 59.
- Oxydontia macrodon (Fr.) L. W. Miller: See MYCOACIA MACRODON.
- PANAEOLUS SOLIDIPES (Pk.) Sacc., Skagway, E. E. Morse.
- PAXILLUS INVOLUTUS Fr., Skagway, E. E. Morse.
- PAXILLUS PANUOIDES Fr. on Picea sitchensis, Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey.
- PELLICULARIA FILAMENTOSA (Pat.) Rogers on Solanum tuberosum, Palmer, D. M. Coe.
- PENIOPHORA AFFINIS Burt on Alnus fruticosa sinuata, Tanana, 18.
- PENIOPHORA AURANTIACA Bres., Tunnel, Russian River, Kodiak, Valdez, 13; Koyukuk, 12, 14; on Alnus fruticosa sinuata, Koyukuk, 18; A. sp., 13; Betula sp., Skagway, E. E. Morse.
- PENIOPHORA BOREALIS (Pk.) Burt, Yakutat Bay, 19, 59.
- PENIOPHORA CRASSA Burt on Chamaecyparis nootkatensis, Ketchikan; Picea glauca, Mt. McKinley Nat. Park; P. sitchensis, Seward; Tsuga heterophylla, Wrangell; T. sp., Ketchikan; all coll. D. V. Baxter.

- Peniophora disciformis borealis* Pk. : See *P. BOREALIS*.
- PENIOPHORA GIGANTEA* (Fr.) Mass. on *Picea glauca*, Tanana, 18.
- PENIOPHORA INCARNATA* (Fr.) Karst., Farragut Bay, 19, 59.
- PENIOPHORA SETIGERA* (Fr.) Bres. on *Alnus fruticosa sinuata*, Nenana, 18.
- PENIOPHORA SHEARII* Burt on *Alnus fruticosa sinuata*, Anchorage, J. W. Kimmey and M. E. Fowler.
- PENIOPHORA TABACINA* Burt on *Picea glauca*, Tanana, 18.
- PHOLIOTA ADIPOSA* (Fr.) Kummer, Valdez, 13; Koyukuk, 12, 14; on *Salix* sp., Koyukuk, 13, 18.
- PHOLIOTA MARGINATA* (Fr.) QuéL., Muir Glacier, 59.
- PHOLIOTA PRAECOX* (Fr.) QuéL. var. *SYLVESTRIS* Pk., Yakutat Bay, 59.
- PHOLIOTA SQUARROSOIDES* (Pk.) Sacc. on *Betula papyrifera occidentalis*, Fairbanks, J. W. Kimmey and M. E. Fowler.
- PHOLIOTA UNICOLOR* (Fr.) Gill., Yakutat Bay, 59.
- PLEUROTUS CANDIDISSIMUS* (Berk. & Curt.) Sacc., Valdez, 13.
- PLEUROTUS OSTREATUS* (Fr.) Kummer on *Populus tremuloides*, Skilak Lake (Kenai Peninsula), J. W. Kimmey and M. E. Fowler.
- PLEUROTUS PETALOIDES* (Fr.) QuéL., Wrangell, J. C. Scudder et al.
- PLUTEUS CERVINUS* (Fr.) Kummer, Skagway, E. E. Morse.
- POLYPORUS ABIETINUS* Fr., Russian River, 13; Point Gustavus, 59; on *Picea glauca*, Healy, 11-XV, 11-XVIII, 17; Nenana, Purgatory, 18; *P. sitchensis*, Kodiak, 13; Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey; Matanuska, D. M. Coe; *Tsuga heterophylla*, Prince of Wales Isl., 23.
- POLYPORUS ADUSTUS* Fr., 11-XIX; Valdez, 13; Skagway, E. E. Morse; on *Populus balsamifera*, Koyukuk, 18.
- POLYPORUS ALBELLUS* Pk., Valdez, 13; on *Alnus fruticosa sinuata*, Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey; *Betula resinifera* (*B. alaskana*), Hot Springs, 18; *B. papyrifera occidentalis*, Anchorage, J. W. Kimmey and M. E. Fowler.
- POLYPORUS ALBOLUTESCENS* Rom., 11-XIV.
- POLYPORUS ALBOLUTEUS* Ell. & Ev., Russian River, Kodiak Isl., 13; on *Picea glauca* (*P. canadensis*), 11-IX; Lower Russian Lake, 11-XV, 17; *P. sitchensis*, Chugach Nat. Forest, Moose Pass, 13; Juneau, 11-IX, 11-XV, 11-XVI, 17; Hope, D. V. Baxter.
- POLYPORUS ANCEPS* Pk. on *Picea glauca*, 17; Hot Springs, 18.
- Polyporus benzoinus* Fr.: See *P. RESINOSUS*.
- POLYPORUS BETULINUS* Fr. on *Betula resinifera* (*B. alaskana*), Fairbanks, 18; *B. papyrifera occidentalis*, Skilak Lake (Kenai Peninsula), J. W. Kimmey and M. E. Fowler; *B. sp.*, Matanuska, D. M. Coe.
- POLYPORUS BIFORMIS* Klotzsch, 11-XIX; Tunnel, 13.

- POLYPORUS BOREALIS Fr. on Picea sitchensis, Hollis (Prince of Wales Isl.), 30.
- POLYPORUS CAESIUS Fr., Valdez, 13; on Populus balsamifera, 11-XX; Koyukuk, 18.
- POLYPORUS CINNABARINUS Fr., 11-XVII.
- POLYPORUS CRISPUS Fr., Skagway, Mrs. G. Dortero.
- POLYPORUS CUNEATUS (Murr.) Overh. on Thuja plicata, Prince of Wales Isl., 23.
- POLYPORUS DICHROUS Fr., 11-XIV.
- POLYPORUS ELEGANS Fr., Valdez, 13; Skagway, E. E. Morse; on Salix alaxensis, Anaktuvuk Pass, G. A. Llano; Sambucus pubens (S. racemosa), Prince of Wales Isl., 23.
- POLYPORUS FIBRILLOSUS Karst. on Picea sitchensis, Prince of Wales Isl., 23.
- POLYPORUS FRAGILIS Fr., Russian River, 13.
- POLYPORUS HIRSUTUS Fr., Inlet Bay, E. E. Morse; on Betula papyrifera occidentalis, Fairbanks, J. W. Kimmey and M. E. Fowler.
- POLYPORUS MELANOPUS Fr., Orca, 59.
- POLYPORUS PARGAMENUS Fr., Valdez, 13; on Betula resinifera (B. alaskana), 18; B. papyrifera occidentalis, Fairbanks, J. W. Kimmey and M. E. Fowler; B. sp., Matanuska, D. M. Coe; Picea glauca, Skilak Lake (Kenai Peninsula), J. W. K. and M. E. F.
- POLYPORUS PERENNIS Fr., Prince of Wales Isl., 23; Skagway, E. E. Morse et al.
- POLYPORUS PICIPES Fr. on Picea sitchensis, Hollis (Prince of Wales Isl.), 30; on Tsuga heterophylla, Prince of Wales Isl., 23.
- POLYPORUS PUBESCENS Fr., 11-XX; Kukak Bay, 59.
- POLYPORUS RADIATUS Fr., Kukak Bay, 59; Moose Pass, 13; on Alnus fruticosa sinuata, Koyukuk, 13, 18; A. sp., Kodiak Isl., 13; Betula kenaica, Koyukuk, 18; Moose Pass, 11-XI, 11-XIV, 11-XVI.
- Polyporus resinascens Rom.: See PORIA RESINASCENS.
- POLYPORUS RESINOSUS Fr. on Betula resinifera (B. alaskana), Tanana, 18; Tsuga mertensiana, Anchorage, J. W. Kimmey and M. E. Fowler.
- POLYPORUS SCHWEINITZII Fr., 12, 14, 16, 30; Russian River, 13; on Picea sitchensis, Prince of Wales Isl., 23, 30; Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey and M. E. Fowler.
- POLYPORUS STEREOIDES Fr. on Alnus sp., Kodiak Isl., 13; Betula resinifera (B. alaskana), Koyukuk, 11-X, 18.
- Polyporus suaveolens Fr.: See TRAMETES SUAVEOLENS.
- POLYPORUS SULPHUREUS Fr., 14, 16; on Picea sitchensis, Kodiak Isl., 12, 13; Prince of Wales Isl., 23, 30; Populus deltoides, Skagway, E. E. Morse; Tsuga heterophylla, Prince of Wales Isl., 23.
- POLYPORUS TULIPIFERUS (Schw.) Overh., 11-XX.
- POLYPORUS VERSICOLOR Fr., near Tunnel, 13; on Betula papyrifera occidentalis, Shilak Lake (Kenai Peninsula), and Populus trichocarpa, Anchorage, both coll. J. W. Kimmey

and M. E. Fowler.

POLYPORUS ZONATUS Fr., Skagway, E. E. Morse et al.; on Populus tremuloides, Kenai River Road (Mile 56), J. W. Kimmey and M. E. Fowler.

Polystictus spp.: See POLYPORUS.

PORIA ALBOBRUNNEA (Rom.) Baxter on Tsuga heterophylla, Wrangell, 11-X.

PORIA ANEIRINA (Sommerf.) Cke. on Populus balsamifera, Russian River, 11-XV; Nenana, 18; Moose Pass, 11-XII.

PORIA AUREA Pk., 11-XIX.

PORIA BOMBYCINA (Fr.) Cke., 11-XVIII.

Poria callosa (Fr.) Cke.: See TRAMETES SERIALIS.

PORIA CINERASCENS Bres. on Picea glauca, Fairbanks, 18.

PORIA CORTICOLA (Fr.) Cke., Valdez, 13.

PORIA CRASSA (Karst.) Sacc., Farragut Bay, 59 ("sterile and doubtful"); on Tsuga mertensiana, Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey.

PORIA CRUSTULINA Bres., Koyukuk, 13; Mt. McKinley Nat. Park, Moose Pass, 11-VIII; on Picea glauca, 11-IX, 11-XIV, 13; Tanana, 11-VIII, 11-XV, 17, 18; Fairbanks, J. W. Kimmey and M. E. Fowler.

PORIA FERREA Bourd. & Galz., Koyukuk, 12, 14; Tunnel, Valdez, 13; on Alnus fruticosa sinuata, Skagway, 11-XVI, 11-XXIV; Koyukuk, 18; A. incana (A. tenuifolia), Skagway, 11-V; A. sp., Kodiak Isl., 13.

PORIA FERRUGINEO-FUSCA Karst., Russian River, 13; on Tsuga heterophylla, Skagway, 11-V, 11-XVI.

PORIA FERRUGINOSA (Fr.) Karst., 11-V; on Alnus fruticosa sinuata, Betula resinifera (B. alaskana), and Salix alaxensis, all Nenana, 18.

PORIA LENIS Karst. on Chamaecyparis nootakensis, Baranof Isl., 11-VII; Picea glauca, Mt. McKinley Nat. Park, 11-VII.

PORIA MOLLUSCA Cke., 11-X.

PORIA MYCELIOSA Pk., 11-X.

PORIA NIGRESCENS Bres., 11-IX.

PORIA PUNCTATA (Fr.) Karst. 11-XXIII; on Alnus fruticosa sinuata, Nenana, 18.

PORIA PURPUREA (Fr.) Cke. var. ROSEO-LILACINA Bres. on Picea glauca, Stillwater Crossing, 18.

PORIA RESINASCENS (Rom.) Lundell & Nannf., 11-XIV.

PORIA RETICULATA (Fr.) Cke. on Salix sp., 11-IX.

PORIA SITCHENSIS Baxter on Picea sitchensis, Sitka, 11-IX, 11-XV; Tenakee, 11-IX; Tongass and Chugach Nat. Forests, 17; Tsuga heterophylla, Wrangell, Sitka, 11-IX.

PORIA SUBACIDA (Pk.) Sacc. 11-VI; on Picea sitchensis, Hollis (Prince of Wales Isl.), 30;

- Picea sp., 17; Tsuga heterophylla, 17.
- Poria subfuscoflavida* (Fr.) Rom.: See *P. CINERASCENS* Bres.
- PORIA TAXIFOLIA* (Pers.) Bres., 11-IX.
- Poria tsugina* (Murr.) Sacc. & Trott.: See *FOMES ROBUSTUS* var. *TSUGINUS*.
- PORIA VAPORARIA* (Fr.) Cke., 11-XII.
- PORIA VERSIPORA* (Pers.) Rom., 11-XI.
- PORIA VIRIDANS* (Berk. & Br.) Cke., 11-X.
- PORIA VULGARIS* (Fr.) Cke., 11-XIV.
- PORIA WEIRII* Murr. on Thuja plicata, 11-V; Prince of Wales Isl., 23; on wood products, Old Kasaan (Prince of Wales Isl.), 11-XXIV.
- PORIA XANTHA* (Fr.) Cke., 11-VII; Wiseman, 15; on Picea glauca, Fairbanks, 18; *P.* sp. (lumber), 12.
- PORIA XANTHA* (Fr.) Cke. f. *CRASSA* (Karst.) Sacc. on Picea glauca, Mt. McKinley Nat. Park, 11-VII, 11-XV; Skagway, 17; Fairbanks, 18; Koyukuk, 13; *P.* sp., Mt. McKinley Nat. Park, 17; Pinus contorta, Tongass Nat. Forest, 11-VII.
- Psalliota silvatica* (Secr.) Quél.: See *AGARICUS SILVATICUS*.
- PSATHYRELLA ATOMARIA* Fr., Sitka, 59. Possibly *P. atomata* (Fr.) Quél.
- PSATHYRELLA DISSEMINATA* (Fr.) Quél., Yakutat Bay, 59.
- PSILOCYBE POLYTRICHI* (Fr.) Gill., St. Paul Isl., 59.
- RADULUM QUERCINUM* Fr., Tunnel, Valdez, 13.
- RUSSULA DELICA* Fr., Skagway, E. E. Morse.
- RUSSULA NIGRODISCA* Pk., 54, 48, 59.
- RUSSULA SANGUINEA* Fr., Skagway, E. E. Morse.
- SEBACINA CALCEA* (Fr.) Bres. on Picea glauca, Nenana, 18.
- SOLENIA ANOMALA* (Fr.) Fckl. on Salix alaxensis, Anaktuvuk Pass, G. A. Llano.
- STECCHERINUM OCHRACEUM* (Fr.) S. F. Gray on Populus balsamifera, Valdez, 13; Nenana, 18; Salix sp., Tanana, Koyukuk, 18.
- STEREUM ABIETINUM* Fr., 17; on Picea glauca, Stillwater Crossing, 18; Lower Russian Lake, D. V. Baxter; Tsuga heterophylla, Lower Russian Lake, D. V. B.
- STEREUM GAUSAPATUM* Fr. on Alnus fruticosa sinuata, Anchorage, J. W. Kimmey and M. E. Fowler.
- STEREUM HIRSUTUM* (Fr.) S. F. Gray on Alnus sp., Tunnel, 13; Betula papyrifera occidentalis, Fairbanks, J. W. Kimmey and M. E. Fowler.
- STEREUM PURPUREUM* Fr., Russian River, Kodiak Isl., Valdez, 13; on Alnus fruticosa sinuata, Anchorage, J. W. Kimmey and M. E. Fowler; A. sp., Valdez, D. V. Baxter; Betula papyrifera occidentalis, Fairbanks, J. W. K. and M. E. F.; Populus balsamifera,

Stillwater Crossing, 18.

STEREUM RUGISPORUM (Ell. & Ev.) Burt on Coniferae, Prince of Wales Isl., 23.

STEREUM RUGOSUM Fr. on Alnus sp., Seward, D. V. Baxter.

STEREUM SANGUINOLENTUM Fr., Russian River, 13; on Picea glauca, Koyukuk, 17; P. sitchensis, Bear Lake sale area (Chugach Nat. Forest), J. W. Kimmey; P. sp., Juneau, D. V. Baxter.

STEREUM SULCATUM Burt on Picea glauca, Tanana, 18; Mt. McKinley Nat. Park, D. V. Baxter.

Stereum tabacinum Fr.: See HYMENOGHAETE TABACINA.

STROPHARIA MAGNIVELARIS Pk., Yakutat, 59.

STROPHARIA SEMIGLOBATA (Fr.) Quél., Wrangell, J. C. Scudder et al.

Thelephora laciniata Fr.: See T. TERRESTRIS.

THELEPHORA TERRESTRIS Fr., 59; Skagway, 19, 45; Valdez, 13.

TRAMETES ALASKANA Baxter on Picea glauca, Koyukuk, Moose Pass, 11-XIII; P. sitchensis, Cordova, Sitka, Seward, Ketchikan, Hope, Valdez, 11-XIII; Juneau, 11-XV; Kodiak Isl., Tongass Nat. Forest, 17; Tsuga heterophylla, Ketchikan, Wrangell, Cordova, Sitka, 11-XIII; Seward, 11-XV, 17; Juneau, 17; T. mertensiana, Admiralty Isl., 11-XIII.

TRAMETES HETEROMORPHA (Fr.) Bres., Valdez, 11-VII; Picea glauca, Tanana, 18; Mt. McKinley Nat. Park, Nenana, Sitka, Moose Pass, Lake Iliamna, 11-XIII; P. sitchensis, 11-IX; Juneau, 11-XV; Tongass Nat. Forest, 17; Seward, Hope, Sitka, Lawing, Kodiak Isl., Moose Pass, 11-XIII; Salix sp., Birch Lake, 11-XIII; Tsuga heterophylla, 11-XV; Wrangell, Sitka, Ketchikan, 11-XIII; T. mertensiana, 12; Hope, 11-XIII; 11-XV; Cordova, Ptarmigan Lake, 11-XIII; T. sp., Skagway, Seward, Lawing, 11-XIII.

TRAMETES HISPIDA Bagl., 11-XIV.

TRAMETES ISABELLINA Fr., 11-VIII.

TRAMETES MOLLIS (Sommerf.) Fr., 11-XXI.

TRAMETES ODORATA Fr., 11-XIV; Russian River, 13; on Picea glauca, Moose Pass, 13; Tanana, 18.

TRAMETES SERIALIS Fr., Koyukuk, Moose Pass, Juneau, 12; Wiseman, 15; N. of Cape Kruzenstern, 11-XIII; on Picea glauca, Tanana, Hot Springs, Ruby, Fairbanks, 11-XIII, 18; Koyukuk, 11-XIII, 13; Nenana, Moose Pass, Skagway, Beaver, Unalakleet, 11-XIII; P. sitchensis, 17, 30; Kodiak Isl., 11-XI, 17; Skagway, Moose Pass, Tunnel, Seward, 11-XIII; Prince of Wales Isl., 23, 30; Tsuga heterophylla, 11-XIII, 11-XV, 17; T. mertensiana, Fairbanks, 11-XIII; on totem poles, 11-XXIV.

TRAMETES SUAVEOLENS Fr., Koyukuk, 12, 14; on Salix alaxensis, Koyukuk, 13, 18.

TRAMETES TROGII Berk., 11-XI.

TRAMETES VARIIFORMIS Pk., 11-VII; Koyukuk, Russian River, Moose Pass, 13; on Picea glauca, Koyukuk, 13, 18; Mt. McKinley Nat. Park, Sheep Creek, Sitka, Fairbanks, Noatak River, 11-XIII; Picea sitchensis, Moose Pass, Seward, near Tanana, Hope, 11-XIII; Picea sp., Tanana, Stillwater Crossing 11-XIII; Mt. McKinley Nat. Park, 11-XV, 18; Wiseman, 15; on Pinus contorta, Skagway, 11-XIII; Populus trichocarpa, Anchorage, J. W. Kimmey and M. E. Fowler; Tsuga heterophylla, Wrangell, 11-XIII.

TRICHOLOMA IONIDES (Fr.) Kummer, south of Point Barrow, W. Geist.

TRICHOLOMA MELALEUCUM (Fr.) Kummer, Orca, 59.

TRICHOLOMA NUDUM (Fr.) Kummer, Skagway, E. E. Morse.

TROGIA CRISPA Fr. on Betula papyrifera occidentalis, J. W. Kimmey and M. E. Fowler.

TUBARIA BREVIPES Pk., 55; Port Clarence, 59.

LYCOPERDALES

CALVATIA CRETACEA (Berk.) Lloyd, 45; Gooper Gulch, Nome, C. W. Thornton; Cape Lisburne, H. L. Mason; Wainwright, Umiat, Anaktuvuk Pass, G. A. Llano.

CALVATIA CYATHIFORMIS (Bosc) Morg., Skagway, E. E. Morse.

CALVATIA SACCATA var. ELATA (Mass.) Hollós, Virgin Bay, 59.

CRUCIBULUM LEVIS (DC.) Kambly, Prince of Wales Isl., 23.

Lycoperdon furfuraceum de T.: See L. POLYMORPHUM.

LYCOPERDON FUSCUM Bon., Kodiak Isl., W. T. Horne.

Lycoperdon gemmatum Fr.: See L. PERLATUM.

LYCOPERDON PERLATUM Pers., Anchorage, G. A. Llano; Skagway, E. E. Morse.

LYCOPERDON POLYMORPHUM Vitt., Wainwright, G. A. Llano.

LYCOPERDON PYRIFORME Pers., Cape Fox, 59; Skagway, E. E. Morse; Kodiak Isl., W. T. Horne.

Lycoperdon saccatum Vahl: See CALVATIA SACCATA var. ELATA.

NIDULARIALES

NIDULA CANDIDA (Pk.) White, Farragut Bay, Sitka, Orca, Yakutat, 59; Ketchikan, Y. Mexia; Wrangell, E. K. Cash.

NIDULA MICROCARPA Pk., Kodiak Isl., G. A. Silverwood.

PHYLLOSTICTALES

ASCOCHYTA AQUILEGIAE (Rab.) Hoehn. on Aquilegia sp., Wrangell, Cordova, 22.

ASCOCHYTA CHEIRANTHI Bres. on Cheiranthus cheiri, Sitka, J. P. Anderson.

ASCOCHYTA COLORATA Pk. on Fragaria sp., Sitka, 4.

ASCOCHYTA COMPOSITARUM J. J. Davis var. PARVA J. J. Davis on Compositae, Wrangell, 22.

ASCOCHYTA GRAMINICOLA Sacc. on Hordeum brachyantherum (H. nodosum), Funter; Poa pratensis, Homer, C. L. Lefebvre.

ASCOCHYTA HYDRANGEAE Arn. on Hydrangea sp. cult., Cordova, 22.

ASCOCHYTA IMPERFECTA Pk. on Medicago falcata, Fairbanks, C. L. Lefebvre; Matanuska, H. J. Hodgson; M. sativa, Fairbanks, C. L. L.; M. sativa x falcata, Matanuska, C. L. L.

- ASCOCHYTA LYCOPERSICI Brun. on Solanum tuberosum, Wrangell, 22.
- ASCOCHYTA PISI Lib. on Pisum sativum, Sitka, 1, 2, 4; near Wasilla, D. M. Coe.
- ASCOCHYTA SAMBUCI Sacc. on Sambucus nigra aurea, Sitka, 4.
- ASCOCHYTA SODALIS Grove on Carex sp., Homer, C. L. Lefebvre.
- ASCOCHYTA SORGHI Sacc. on Agropyron latiglume, Richardson Highway (Mile 245) and A. spicatum, south of Circle (Mile 15), C. L. Lefebvre.
- ASCOCHYTA TARAXACI Grove on Taraxacum, Ketchikan, Seward, 22.
- ASCOCHYTA VIOLICOLA McAlp. on Viola sp. cult., Wrangell, 22.
- ASCOCHYTA sp. on Arenaria (Ammodenia) peploides major, Sitka, 4.
- ASTEROMA RIBICOLA Ell. & Ev. on Ribes sp., Fairbanks, C. L. Lefebvre.
- CLYPEOPYCNIS AERUGINASCENS Petr. on Ribes bracteosum, Sitka, 21.
- CONIOTHYRIUM FULIGINEUM (Karst.) Sacc. on Salix ovalifolium, Martin Point, 44.
- CONIOTHYRIUM FUSCIDULUM Sacc. on Sambucus callicarpa, Sitka, J. P. Anderson.
- CONIOTHYRIUM OLIVACEUM Bon. on Rubus strigosus, Sitka, 4; Sambucus pubens, 4.
- CONIOTHYRIUM sp. on Prunus (hybrids), Sitka, 4.
- Cytospora chrysosperma Pers. ex Fr.: See VALSA SORDIDA.
- Cytospora corni West.: See VALSA FALLAX.
- Cytospora leucostoma Sacc.: See VALSA LEUCOSTOMA.
- Cytospora salicis (Cda.) Rab.: See VALSA SALICINA.
- CYTOSPORA sp. on Alnus fruticosa sinuata (A. sitchensis), Sitka, 4.
- CYTOSPORA sp. on Prunus domestica, Sitka, 4.
- CYTOSPORINA LUDIBUNDA Sacc. on Prunus cerasus, Sitka, 4.
- DARLUCA FILUM (Biv. -Bern.) Cast. on rust on Arctagrostis latifolia, Mt. McKinley Nat. Park, C. L. Lefebvre.
- DIPLODIA DEFLECTENS Karst. on Lonicera tatarica, Sitka, 4.
- DIPLODINA LYNGBI Lind on Potentilla biflora, Port Clarence, 44.
- DIPLODINA ROSTRUPH Vest. on Phyllodoce glanduliflora, Skagway, 21.
- DISCOSIA ACUTA Dearn. on Ranunculus nivalis, Collinson Point, 26.
- DOTHIORELLA INVERSA (Fr.) Hoehn. on Alnus fruticosa sinuata, Juneau, D. V. Baxter.
- DOTHIORELLA LATITANS (Fr.) Sacc. on Vaccinium vitis-idaea, Sitka, 4, 21; Ketchikan, 21.
- DOTHIORELLA PYRENOPHORA (Karst.) Sacc. on Sorbus sp., Fairbanks, C. L. Lefebvre.
- DOTHIORELLA PYRENOPHORA (Karst.) Sacc. var. SALICIS Karst. on Salix sp., Sitka, J. P.

Anderson.

- HENDERSONIA CRASTOPHILA Sacc. on Calamagrostis canadensis var. scabra, Seward, 65, 68.
- HENDERSONIA CULMICOLA var. MINOR Sacc. on Calamagrostis canadensis, Seward, Wasilla, C. L. Lefebvre.
- LEPTOSTROMA HERBARUM (Fr.) Lk. on Heuchera glabra, Juneau, 21; Polemonium caeruleum villosum, Longanevik, 26.
- LEPTOTHYRIUM ALNEUM (Lév.) Sacc. on Alnus fruticosa sinuata (A. sitchensis), 4.
- LEPTOTHYRIUM CLYPEOSPHAERIOIDES Sacc. on Rubus chamaemorus, Unalaska, 59.
- LEPTOTHYRIUM CONSPICUUM Dearn. & House on Vaccinium ovalifolium and V. parvifolium, Juneau, 21.
- LEPTOTHYRIUM JUNCINUM Cke. & Harkn. on Juncus drummondii, Talkeetna Mts., J. P. Anderson.
- LEPTOTHYRIUM PULCHRUM Dearn. on Salix pulchra, Collinson Point, 29.
- LEPTOTHYRIUM VULGARE (Fr.) Sacc. on Rubus stellatus, Yakutat Bay, 59.
- LEPTOTHYRIUM VULGARE f. PARRYAE Sacc. on Parrya nudicaulis (P. macrocarpa), Shumagin Isl., 59.
- Mastomyces proboscidea (Fr.) Sacc.: See SCLERODERRIS FULIGINOSA.
- MELASMIA MENZIESIAE Dearn. & Barth. on Menziesia ferruginea, Juneau, Ketchikan, 21; Wrangell, 22; Bartlett Glacier, D. V. Baxter; M. sp., Wrangell, Cordova, Ketchikan, 22; Prince of Wales Isl., 23; Tunnel, 13.
- PHLEOSPORA ACERIS (Lib.) Sacc. on Acer douglasii, Klukwan, Skagway, Tenakee, 21.
- Phoma acuta Fckl.: See LEPTOSPHAERIA ACUTA.
- PHOMA COMMUNIS Rob. on Tilia americana, Sitka, 21.
- PHOMA COMPLANATA Desm., 42; on Heracleum sp., St. Paul Isl., 59.
- PHOMA GRAMINIS West. on Poa arctica, Preobaschenie Isl., 44.
- PHOMA MAJANTHEMI Pk. on Maianthemum dilatatum (Unifolium eschscholtzianum), Sitka, 4.
- PHOMA OLERACEA Sacc. on Cardamine bellidifolia, St. Paul Is., 59.
- PHOMA SALICINA West. on Salix sp., Sitka, J. P. Anderson.
- PHOMA sp. on Festuca elatior and F. rubra, 68.
- PHOMA sp. on Salix sp., Sitka, 4.
- PHOMOPSIS (? PADINA Sacc.) on Prunus cerasus, Sitka, 4.
- PHOMOPSIS sp. on Malus (Pyrus) baccata, Sitka, 4.
- PHYLLOSTICTA ALCIDES Sacc. on Populus sp., Seward, 22.
- PHYLLOSTICTA ALNEA Oud. on Alnus sp., Valdez, 22.

- PHYLLOSTICTA BALDENSIS Mass. on Paeonia sp., Wrangell, 22.
- PHYLLOSTICTA CARICICOLA Sacc. & Scalia on Carex sp., 52; Orca, 59.
- PHYLLOSTICTA DIGITALIS Bell on Digitalis purpurea, 52; Sitka, 4.
- PHYLLOSTICTA EXCAVATA Sacc. on Heuchera glabra, Juneau, 21.
- PHYLLOSTICTA GALLORUM Thuem. on Caragana arborescens, Sitka, 4.
- PHYLLOSTICTA GARRETTII Syd. on Senecio triangularis, Juneau, 21.
- PHYLLOSTICTA HELLEBORICOLA COPTIDIS Sacc. & Scalia on Coptis trifoliata, Unalaska, 59.
- PHYLLOSTICTA HERACLEI Ell. & Dearn. on Heracleum sp., Cordova, 22.
- PHYLLOSTICTA INTERMIXTA Seaver on Populus sp., Matanuska, D. M. Coe.
- PHYLLOSTICTA JAPONICA Thuem. on Berberis thunbergii, Juneau, 21.
- PHYLLOSTICTA MELANOPLACA Thuem. on Veratrum? sp., Ketchikan, 22.
- PHYLLOSTICTA OSTEOSPORA Sacc. on Populus trichocarpa, Skagway, 21.
- PHYLLOSTICTA PLANTAGINIS Sacc. on Plantago macrocarpa, Sitka, 4.
- PHYLLOSTICTA RIBESCIDA Speg. on Ribes sp. (wild currant), Wrangell, 22.
- PHYLLOSTICTA sp. on Maianthemum dilatatum (Unifolium eschscholtzianum), Ketchikan, 21.
- PHYLLOSTICTA sp. on Solanum tuberosum, Sitka, 4.
- RHABDOSPORA CAMPTOSPORA Sacc. & Scalia on Anemone narcissiflora, Yes Bay, 59.
- RHABDOSPORA INAEQUALIS Sacc. on Sorbus sitchensis, Sitka, 4.
- RHABDOSPORA INTERRUPTA (Berk. & Curt.) Sacc. on Viburnum opulus, Sitka, 4.
- RHABDOSPORA PASTINACINA (Sacc.) Allesch. on Heracleum sp., Cordova, 22.
- RHABDOSPORA RUBI Ell. on Rubus strigosus, Sitka, 4.
- RHYNCHOPHOMA RADULOIDES Sacc. & Scalia on Ribes bracteosum, Juneau, 21; R. laxiflorum, Sitka, 59.
- SELENOPHOMA BROMIGENA (Sacc.) Sprague & A. G. Johnson on Bromus inermis, Fairbanks and College, C. L. Lefebvre.
- SELENOPHOMA DONACIS (Pass.) Sprague & A. G. Johnson var. STOMATICOLA (Baeumler) Sprague & A. G. Johnson on Agropyron trachycaulum, Homer, C. L. Lefebvre; Phleum pratense, 68; Ketchikan, 69; Gramineae undet., Mt. McKinley Nat. Park, C. L. L.
- SEPTORIA ALNIFOLIA Ell. & Ev. on Alnus fruticosa sinuata (A. sitchensis), Sitka, 4.
- SEPTORIA AMMODENIAE Dearn. on Ammodenia (Halianthus) peplodes, Martin Point, 26.
- SEPTORIA ARCTICA Berk. & Curt. on Calamagrostis nutkaensis, 67, 68.
- SEPTORIA CALAMAGROSTIDIS (Lib.) Sacc. on Agrostis exarata, 67, 68.

- SEPTORIA CANADENSIS Pk. on Cornus canadensis, Sitka, 4, 59; Ketchikan, 22; Yakutat Bay, Virgin Bay, 59.
- SEPTORIA CHAMISSONIS Sacc. & Scalia on Eriophorum chamissonis, Point Barrow, 59.
- SEPTORIA COPTIDIS Berk. & Curt. on Coptis asplenifolia, Sitka, 4.
- SEPTORIA CULMIFIDA Karst. on Phleum pratense, Ketchikan, 21.
- SEPTORIA DEARNESSII Ell. & Ev. on Angelica? sp., Virgin Bay, Yakutat, 59.
- SEPTORIA DRUMMONDII Ell. & Ev. on Phlox drummondii, Sitka, 4.
- SEPTORIA EPILOBII West. on Epilobium sp., Ketchikan, 22.
- Septoria eriophorella Sacc. & Scalia: See STAGONOSPORA ERIOPHORELLA.
- SEPTORIA ERIOPHORI Oud. on Eriophorum vaginatum, Camden Bay, 44.
- SEPTORIA GEI Rob. & Desm. on Geum sp., Petersburg, 22.
- SEPTORIA GRAMINEUM Desm. on Agrostis exarata, Sitka, 4 (probably S. calamagrostidis (Lib.) Sacc. sec. Sprague (66); Calamagrostis sp., Sitka, 4 (see note by Sprague (66): "Suggests S. arctica Berk. & Curt.")).
- SEPTORIA GRYLLI Sacc. on Agrostis exarata, 59; A. geminata, Yes Bay, 59. Probably S. calamagrostidis sec. Sprague (66).
- SEPTORIA HYALINA Ell. & Ev. on Viola palustris, Sitka, 4.
- SEPTORIA NEMATOSPORA J. J. Davis on Carex macrocephala, Kenai, C. L. Lefebvre.
- SEPTORIA ORCHIDEARUM West. on Tofieldia palustris, Port Clarence, 44.
- SEPTORIA PETROSELINI ssp. TRELEASIANA Sacc. & Scalia on Conioselinum benthami, Kenai, C. L. Lefebvre; C. sp. Virgin Bay, 59.
- SEPTORIA POLYGONINA Thuem. on Polygonum sp., Seward, 22.
- SEPTORIA RIBIS Desm. on Ribes bracteosum, Sitka, 21; R. grossularia, Sitka, 4, 21; R. laxiflorum, Skagway, 21; R. nigrum, Ketchikan, Sitka, 21; R. rubrum (R. vulgare), 21; R. sp., Sitka, 2.
- SEPTORIA RUBI West. on Rubus spectabilis, Sitka, 1, 4, 21; Ketchikan, 21; R. sp., Cape Fox, 59; Wrangell, Cordova, Ketchikan, 21.
- SEPTORIA SALICICOLA (Fr.) Sacc. on Salix (? barclayi), Skagway, 21.
- SEPTORIA SAMBUCINA Pk. on Sambucus sp., Cordova, Wrangell, 22.
- SEPTORIA URTICAE Desm. & Rob. on Urtica sp., Wrangell, 22.
- SPHAEROGRAPHIUM ABDITUM Sacc. & Scalia on Heracleum, Kodiak, 59.
- SPORONEMA OXYCOCCI Shear on Vaccinium oxycoccus, Sitka, 21.
- SPORONEMA STROBILINUM Desm. on Picea sitchensis, Orca, 59; Tsuga mertensiana, Orca, 59,
- STAGONOSPORA AQUATICA LUZULICOLA Sacc. & Scalia on Luzula arcuata, Point Barrow, 59.

- STAGONOSPORA ARENARIA Sacc. on Elymus junceus, Matanuska, C. L. Lefebvre; E. mollis, 68; Seward, 64.
- STAGONOSPORA BROMI A. L. Sm. & Ramsb. on Bromus pampellianus, College, C. L. Lefebvre.
- STAGONOSPORA ERIOPHORELLA (Sacc. & Scalia) Lind, 43; on Eriophorum chamissonis, Point Barrow, 59.
- STAGONOSPORA GRAMINUM Sacc. & Scalia on Deschampsia (Aira) atropurpurea, 68. Iliuliuk, 59.
- STAGONOSPORA HELEOCHARIDIS CARICINA Sacc. & Scalia on Carex pachystachya (C. festiva), Yakutat Bay, 59.
- STAGONOSPORA MELILOTI (Lasch) Petr. on Trifolium repens, Fairbanks, Kenai, C. L. Lefebvre.
- STAGONOSPORA PULSATILLAE Vest. on Anemone sp., Kodiak, Kukak Bay, 59
- STAGONOSPORA STRICTAE Ell. & Ev. on Carex brunnescens, Livengood Road north of Fairbanks, C. L. Lefebvre.
- STICTOCHORELLA LUPINI Syd. on Lupinus sp., Wrangell, 22; Kenai, C. L. Lefebvre.

MELANCONIALES

- Actinonema rosae* (Lib.) Fr.: See DIPLOCARPON ROSAE
- COLLETOTRICHUM GRAMINICOLA (Ces.) G. W. Wils. on Calamagrostis canadensis, Tatalina, North of Fairbanks, C. L. Lefebvre; C. purpurascens, Mt. McKinley Nat. Park, C. L. L.
- COLLETOTRICHUM KENTIAE Halst. on Kentia sp. (greenhouse), Juneau, 21.
- COLLETOTRICHUM LINDEMUTHIANUM (Sacc. & Magn.) Briosi & Cav. on Phaseolus vulgaris, Sitka, 2, 4.
- COLLETOTRICHUM LINEOLA Cda. on Gramineae, Port Benny, 22.
- CORYNEUM FOLIICOLA Fckl. on Malus sylvestris, Sitka, 4; Rosa sp., Ketchikan, 21.
- CORYNEUM LONGISTIPATUM Berl. on Amelanchier sp., Sitka, 4; Malus sylvestris, Sitka, 4.
- CORYNEUM SALICINUM (Cda.) Sacc. on Salix sp., Sitka, J. P. Anderson.
- CORYNEUM sp. on Ribes alpinum and R. triste, Sitka, 4.
- Entomosporium maculatum* Lév.: See FABRAEA MACULATA.
- GLOEOSPORIUM ALNI Ell. & Ev. on Alnus sp., Port Benny, 22.
- HYALOCERAS KRIEGERIANUM (Bres.) Diet. on Epilobium sp., Wrangell, 22.
- Marsonia potentillae* (Desm.) Fisch.: See MARSSONINA POTENTILLAE.
- MARSSONINA BRACTEOSUM Dearn. & Barth. on Ribes bracteosum, Juneau, 21.
- MARSSONINA PANATTONIANA (Berl.) Magn. on Lactuca sativa, Palmer, D. M. Coe.
- MARSSONINA POTENTILLAE (Desm.) Magn. on Fragaria (cult. hybrids), Ketchikan, 21; Cordova, 22.

- MELANCONIUM APIOCARPON Lk. on Alnus fruticosa sinuata (A. sitchensis), Sitka, 4.
 Melanconium betulinum Fr.: See MELANCONIS STILBOSTOMA.
 MONOCHAETIA MONOCHAETA Desm. f. LIBERTIANA on Rubus (Cuthbert raspberry), 21.
 MONOCHAETIA TAPHRINICOLA (Ell. & Ev.) Sacc. on Quercus sp., Sitka, 21.
 MYXOSPORIUM VALSOIDEUM (Sacc.) Allesch. on Quercus sp., 21.
 PESTALOTIA COMPTA Sacc. on Rosa sp., Kodiak Isl., W. T. Horne.
 PESTALOTIA LIGNICOLA Cke. on Salix purpurea, Sitka, 4.
 PESTALOTIA TRUNCATA Lév. on Salix purpurea, Sitka, 4.
 PESTALOTIA TRUNCATA Lév. var. RUBI Karst. on Rubus strigosus, Sitka, 4.
 SEPTOGLOEUM LUPINI Ell. & Ev. on Lupinus sp. cult., Wrangell, 22.
 SEPTOGLOEUM OXYSPORUM Sacc. Bomm. & Rouss. on Calamagrostis canadensis, Mt. McKinley Nat. Park, Unalakleet, C. L. Lefebvre; Poa eminens, Unalakleet, C. L. L.
 SEPTOGLOEUM SALICINUM (Pk.) Sacc. on Salix sitchensis, Haines, 21.

MONILIALES

- ALTERNARIA BRASSICAE (Berk.) Sacc. on Brassica oleracea, Sitka, 4.
 ALTERNARIA DIANTHI F. L. Stevens & J. G. Hall on Lychnis chalcedonica, Sitka, 21.
 ALTERNARIA TENUIS Auct. on Callistephus sp., 21.
 ASPERGILLUS sp. on Rubus strigosus, Sitka, 4.
 BOSTRICHONEMA ALPESTRE Ces., 43; on Polygonum viviparum, Glacier Bay, Yakutat, 59.
 BOTRYTIS CINEREA Fr., Sitka, 1; on the following host plants, all reports except where otherwise noted, being from Sitka, 4: Amelanchier alnifolia, Haines, 21; Apium graveolens; Asparagus (Myrsiphyllum) asparageoides; Brassica oleracea; Calendula officinalis; Callistephus hortensis; Cheiranthus cheiri; Conioselinum benthami (Coelopleurum gmelini); Coreopsis sp.; Dianthus caryophyllus, D. hedwigii; Dimorphotheca aurantiaca, Eschscholzia californica, Euphorbia pulcherrima, Fragaria sp., Heliotropium peruvianum, Iberis umbellata, Lactuca sativa, Lathyrus odoratus, Linaria cymbalaria, Lobelia erinus, Lonicera involucrata, Cape Fox, Yakutat Bay, 59; L. tatarica, Sitka, 21; Lycopersicon cerasiforme; L. esculentum; Matthiola incana annua; Mimulus luteus; Nicotiana tabacum; Papaver sp., Sitka, 4; Seward, 22; Petroselinum crispum (Apium petroselinum), Phaseolus sp., Skagway, 21; Prunus sp., Rheum officinale, Juneau, 21; Rhinanthus sp., Sitka, 21; Ribes americanum (R. floridum), Sitka, 2; Ribes aureum, Sitka, 2, 4; Ribes nigrum, Sitka, 2, 4; Ribes rubrum, Sitka, 2; Ribes sanguineum, Sitka, 2; Ribes triste; Ribes vulgare, Sitka, 4, 21; Rosa spp.; Rubus idaeus; R. parviflorus, Sitka, 4; Haines, 21; Rubus spectabilis, Sitka, Juneau, 21; Rubus strigosus (R. subarcticus); Sitka, Haines, 21; Saxifraga ? rivularis, Chatham, 21; Solanum tuberosum; Tagetes erecta; Thymus officinalis; Tropaeolum majus; Vaccinium alaskense, Haines, 21; Vicia faba; Viola tricolor; Zinnia elegans. Reported by Anderson (5) also on the following genera: Abutilon, Agave, Amorphophallus, Antirrhinum, Artemisia, Athyrium, Begonia, Bellis, Calceolaria, Campanula, Chrysanthemum, Citrus, Coleus, Cucumis, Cuphea, Cyrtomium, Dahlia, Erigeron, Fuchsia, Geranium, Gladiolus, Godetia, Grevillea, Hibiscus, Hippeastrum, Hosta (Funkia), Hydrangea, Lantana, Ligularia (Farfugium), Lunularia, Lychnis, Melissa, Nepeta, Nephrolepis, Oenothera, Oplopanax (Echinopanax), Oxalis, Pelargonium, Phlox, Pisum, Poa, Potentilla, Primula, Sambucus, Senecio (Cineraria), Tradescantia, Tulipa, Zantedeschia (Calla), and Zebrina.

- Botrytis vulgaris* Fr.: See BOTRYTIS CINEREA
- CENTROSPORA ACERINA (Hartig) Newhall on Viola sp. cult., Wrangell, 22.
- CERCOSPORA APII ANGELICAE Sacc. & Scalia on Angelica? sp., St. Paul Isl., 59.
- Cercospora apii selini-gmelini* Sacc. & Scalia: See C. SELINI-GMELINI.
- CERCOSPORA GALII Ell. & Holw. on Galium triflorum, Klukwan, 21.
- Cercospora macrospora* Osterw.: See CENTROSPORA ACERINA.
- CERCOSPORA SELINI-GMELINI (Sacc. & Scalia) Chupp on Conioselinum benthami (Selinum gmelini), Yakutat Bay, 59.
- CERCOSPORA SYMPHORICARPI Ell. & Ev. on Symphoricarpos albus (S. racemosus), Klukwan, 21.
- CERCOSPORA VARIA Pk. on Viburnum sp., Cordova, 22.
- CERCOSPORA sp., on Castilleja pallida, Sitka, 4.
- CERCOSPORELLA ALBOMACULANS (Ell. & Ev.) Sacc. on Brassica oleracea, Homer, C. L. Lefebvre.
- CERCOSPORELLA ALNI Dearn. & Barth. on Alnus fruticosa sinuata (A. sitchensis), Ketchikan, 21.
- CLADOSPORIUM CARPOPHILUM Thuem. on Prunus padus, Sitka, 4.
- Cladosporium heliotropii* Eriks, on Heliotropium peruvianum, Sitka, 4.
- CLADOSPORIUM HERBARUM (Fr.) Lk. on Calamagrostis canadensis, Circle, Hot Springs, Tatalina, C. L. Lefebvre; Pisum sativum, Wrangell, 22; Salix sp., Sadlerochit River, 26; Triticum aestivum, Homer, C. L. L.
- CLADOSPORIUM PAEONIAE Pass. on Paeonia sp. cult., Sitka, 4. Report (20) from Wrangell based on misdetermination.
- CLADOSPORIUM SUBSESSILE Ell. & Barth. on Populus sp., Matanuska, D. M. Coe.
- CLADOSPORIUM. Undetermined species reported by Anderson (4) from Sitka on Gaillardia sp., Prunus mahaleb, Ribes hudsonianum, and Viburnum edule (V. pauciflorum).
- CONIOSPORIUM ATRATUM Karst. & Malbr., Yakutat, 59.
- CYLINDROSPORIUM ALNI Dearn. on Alnus oregona, Ketchikan, 21.
- CYLINDROSPORIUM SHEPHERDIAE Sacc. on Shepherdia (Lepargyrea) canadensis, Haines, 21.
- DIDYMARIA DIDYMA (Ung.) Sacc. on Ranunculus macounii, Haines, 21.
- EPICOCCUM NEGLECTUM Desm. on Avena sativa, Fairbanks, C. L. Lefebvre.
- EPICOCCUM PURPURASCENS Lk. on Lupinus sp. cult., Wrangell, 22.
- FUSARIUM GRAMINEARUM Schwabe on Triticum aestivum, 68.
- FUSARIUM ILLOSPORIOIDES Sacc. on Ribes sp., Sitka, 59.
- FUSARIUM OXYSPORUM Schlecht. on Solanum tuberosum, Sitka, 2, 4.

- FUSICLADIUM DEPRESSUM (Berk. & Br.) Sacc. on Angelica genuflexa, Sitka, Haines, 21; A. sp., Cordova, 22.
- GLOMERULARIA CORNI Pk. on Cornus canadensis, Orca, 59.
- HADROTRICHUM LINEARIS Pk. on Calamagrostis canadensis var. scabra (C. langsdorfi), Sitka, 4.
- HAPLOBASIDIUM PAVONINUM Hoehn. on Aquilegia sp., Sitka, 4.
- HELMINTHOSPORIUM AVENAE Eidam on Avena sativa, 68; Sitka, 4.
- Helminthosporium avenae-sativae (Briosi & Cav.) Lindau: See H. AVENAE.
- HELMINTHOSPORIUM ERYTHROSPILUM Drechs. on Agrostis, Ketchikan, C. L. Lefebvre.
- HELMINTHOSPORIUM GRAMINEUM Rab. on Hordeum vulgare, Fairbanks, Matanuska, Wasilla, etc., D. M. Coe.
- HELMINTHOSPORIUM TRITICI-REPENTIS Died. on Elymus innovatus, Mt. McKinley Nat. Park, C. L. Lefebvre.
- HELMINTHOSPORIUM VAGANS Drechs. on Poa pratensis, Homer, Kenai, Curry, Richardson Highway, Ketchikan, Cordova, C. L. Lefebvre.
- HETEROSPORIUM HORDEI Bub. on Hordeum sp., Matanuska, C. L. Lefebvre.
- ? HETEROSPORIUM MONTENEGRINUM Bub. on Gladiolus sp., Juneau, 21.
- HETEROSPORIUM PHLEI Greg. on Agropyron michnoi, Matanuska; A. trachycaulum, Kenai; Arctagrostis latifolia, Nome; Bromus inermis, Anchorage; B. (hybrids), Matanuska; Calamagrostis canadensis, Wasilla, Unalakleet; Elymus junceus, Matanuska; Festuca altaica, Homer; F. rubra lanuginosa, Kenai; Poa pratensis, Anchorage, Kenai, Homer; all coll. C. L. Lefebvre.
- HETEROSPORIUM SPIRAEAE Syd. on Spiraea sp. cult., Wrangell, 22.
- HORMISCIUM STILBOSPORUM (Cda.) Sacc. on Salix pulchra, Collinson Point, Camden Bay, 26.
- Macrosporium brassicae Berk.: See ALTERNARIA BRASSICAE.
- Macrosporium caudatum Cke. & Ell.: See ALTERNARIA TENUIS.
- Macrosporium commune Rab.: See STEMPHYLIUM BOTRYOSUM.
- MASTIGOSPORIUM RUBRICOSUM (Dearn. & Barth.) Nannf. on Calamagrostis canadensis, Wasilla, Anchorage, Mt. McKinley Nat. Park, Unalakleet, C. L. Lefebvre; C. canadensis scabra, 68.
- MICROCERA BRACHYSPORA Sacc. & Scalia, New Metlakatla, 59.
- MYXOTRICHELLA RESINAE (Fr.) Jaap on Picea sitchensis, Seward, D. V. Baxter.
- OVULARIA BULBIGERA (Fckl.) Sacc. on Sanguisorba sitchensis, Haines, Juneau, 21; S. sp., Kodiak, Popof Isl., Unalaska, 59.
- OVULARIA DESTRUCTIVA (Phill. & Plowr.) Mass. on Myrica gale, Kodiak, 59.
- OVULARIA HORDEI (Cav.) Sprague on Bromus inermis, Anchorage, C. L. Lefebvre; B. spp. (hybrids), Matanuska, C. L. L.

- OVULARIA OBLIQUA (Cke.) Oud. on Polygonaceae, Petersburg, 22; Rumex sp., Valdez, 22.
- OVULARIA PULCHELLA (Ces.) Sacc. on Agropyron michnoi, Matanuska; A. trachycaulum, Alopecurus alpinus, and Festuca rubra, Homer; F. rubra lanuginosa, Kenai, all coll. C. L. Lefebvre.
- Ovularia sommeri (Eichelbaum) Sacc.: See O. DESTRUCTIVA.
- Ovularia trientalis Berk.: See TUBURCINIA TRIENTALIS.
- OZONIUM AURICOMUM Pk. on Salix alaxensis, Anaktuvuk Pass, G. A. Llano.
- PASSALORA BACILLIGERA var. ALNOBETULAE Jaap on Alnus fruticosa sinuata (A. sitchensis), 21.
- Polythrincium trifolii Schm. & G. Kunze: See CYMADOTHEA TRIFOLII.
- RAMULARIA AEQUIVOCA Ces. on Ranunculus sp., Kodiak, Unalaska, 59.
- RAMULARIA ANGELICAE Hoehn. on Angelica genuflexa, Haines, 21.
- RAMULARIA ARMORACIAE Fckl. on Capsella sp., Seward, 22.
- RAMULARIA ARNICALIS Ell. & Ev. on Arnica chamissonis, Kodiak, 59.
- RAMULARIA ARVENSIS Sacc. on Potentilla (Argentina) anserina, Skagway, 21; P. norvegica (P. monspeliensis), Haines, 21.
- RAMULARIA CERCOSPORIOIDES Ell. & Ev. on Epilobium angustifolium (Chamaenerion spicatum), Sitka, 21; Kodiak, 59; E. sp., Seward, Cordova, Wrangell, 22; Wasilla, C. L. Lefebvre.
- RAMULARIA HERACLEI (Oud.) Sacc. on Heracleum lanatum, Sitka, 4; Chatham, 21; H. sp., Cape Fox, 59.
- ? RAMULARIA IONOPHILA J. J. Davis on Viola glabella, Juneau, 21.
- RAMULARIA LACTEA (Desm.) Sacc. on Viola sp. cult., Wrangell, 22.
- RAMULARIA LUPINI J. J. Davis on Lupinus sp., Homer, C. L. Lefebvre.
- RAMULARIA MACROSPORA Fres. on Campanula linifolia, 59.
- RAMULARIA PLANTAGINIS Pk. on Plantago sp., Petersburg, 22.
- RAMULARIA PRATENSIS Sacc. on Rumex occidentalis, Glacier Bay, Yakutat, Virgin Bay, Popof Isl., 59.
- RAMULARIA PUNCTIFORMIS Sacc. on Potentilla anserina, Yakutat Bay, 59; P. norvegica, near Fairbanks, C. L. Lefebvre.
- RAMULARIA PUNCTIFORMIS (Schlecht.) Hoehn. 1908, nec Sacc. 1904, on Epilobium sp., Circle, Palmer, D. M. Coe. Name untenable; probably identical with one or more of the spp. of Ramularia described on Epilobium.
- RAMULARIA RETICULATA Ell. & Ev. on Ligusticum? sp., Port Benny, 22.
- RAMULARIA ROSEA (Fckl.) Sacc. on Salix arbusculoides and S. bebbiana perrostrata, Fairbanks, C. L. Lefebvre.
- RAMULARIA ROSEOLA Bub. & Vleugel on Lathyrus palustris, Haines, 21.

- RAMULARIA RUBICUNDA Bres. on Maianthemum dilatatum (Unifolium eschscholtzianum), Tenakee, 21; M. sp., Wrangell, Ketchikan, Port Benny, 22.
- RAMULARIA RUMICIS Kalchb. & Cke. on Rumex sp., Livengood Road (Mile 40), C. L. Lefebvre.
- RAMULARIA TARAXACI Karst. on Taraxacum sp., Seward, Ketchikan, Cordova, 22.
- Ramularia tulasnei Sacc.: See MYCOSPHAERELLA FRAGARIAE.
- RAMULARIA ULMARIAE Cke. on Aruncus vulgaris (A. acuminatus), Sitka, 21.
- RAMULARIA URTICAE Ces. on Urtica lyallii, Sitka, 21.
- RAMULARIA sp. on Plantago major, Sitka, 4.
- RHYNCHOSPORIUM SECALIS (Oud.) J. J. Davis on Agropyron trachycaulum, and Bromus ciliatus, Homer; B. inermis, Matanuska, Fairbanks; Poa eminens, Kenai, all coll. C. L. Lefebvre.
- SCLEROTIUM DURUM Fr. on Veratrum sp., Orca, 59.
- SCLEROTIUM RHIZODES Auers. on Calamagrostis canadensis, Homer, C. L. Lefebvre.
- SCLEROTIUM VARIUM Fr. on Heracleum sp., Kodiak, 59.
- SCLEROTIUM. Unidentified species reported on Rusa rugosa, and Sambucus pubens, Sitka, 4.
- SCOLECOTRICHUM GRAMINIS Fckl. on the following hosts, coll. C. L. Lefebvre except where otherwise noted: Agropyron latiglume, Richardson Highway; A. sericeum, Fairbanks; A. trachycaulum, Matanuska, Fairbanks, Homer; Alopecurus aequalis, Fairbanks; Arctagrostis latifolia, Homer; Elymus mollis, 68; St. Paul Isl., J. M. Macoun; Horner, Kotzebue, Nome, Deering; Hordeum brachyantherum, Kenai; H. jubatum, Berg, Fairbanks, Circle; H. vulgare, Matanuska; Phleum alpinum and P. pratense, Homer; Poa pratensis, 68; undet. Gramineae, St. Paul Isl., 59; Kenai, C. L. L.
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- STEMPHYLIUM BOTRYOSUM Wallr. on Pisum sativum, Sitka, 4.
- STIGMINA POPULI (Ell. & Ev.) Pound & Clements on Populus tremuloides, Mt. McKinley Nat. Park, C. L. Lefebvre.
- STILBUM GLOMERULAESPORUM Ell. & Ev. (nom. nud.) on Picea sitchensis, Prince of Wales Isl., 23.
- TRIPOSPORIUM ELEGANS Cda. on Sambucus pubens, 4 (as Tripospora).
- TUBERCULARIA SAMBUCI Cda. on Sambucus pubens (S. racemosa), Kodiak Isl., W. T. Horne.
- Tubercularia vulgaris Fr.: See NECTRIA CINNABARINA.

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 --- *coelopleuri*
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Phyllosticta helleboricola coptidis
Septoria coptidis
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- CORNUS**
Glomerularia corni
Puccinia porphyrogenita
Septoria canadensis
Valsa fallax
Venturia clintoni
- CORYLUS**
Diaporthe anisomera
- CREPIS**
Pleospora herbarum
- CRUCIFERAE**
Albugo candida
- CUCUMIS**
Botrytis cinerea
- CUCURBITARIA**
Belonidium pruinosum
- CUPHEA**
Botrytis cinerea
- CYRTOMIUM**
Botrytis cinerea
- CYSTOPTERIS**
Hyalospora polypodii
- DACTYLIS GLOMERATA**
Claviceps purpurea
- DAHLIA**
Botrytis cinerea
- DESCHAMPSIA**
Didymosphaeria arenaria macrospora
Puccinia poae-sudeticae
Stagonospora graminum
Tilletia cerebrina
- DIANTHUS**
Botrytis cinerea
Sphaerella caryophylli
Uromyces caryophyllinus
- DIGITALIS**
Phyllosticta digitalis
- DIMORPHOTHECA**
Botrytis cinerea
- DODECATHEON**
Puccinia ortonii
- DRABA**
Mycosphaerella tassiana
Pleospora media
Puccinia drabae
- DRYAS**
Massarina dryadis
Mycosphaerella ootheca
- DRYOPTERIS**
Hyalospora aspidiotus
- DUPONTIA**
Clathrospora pentamera
- Echinopanax: See OPLOPANAX*
- ELAEAGNUS**
Didymosphaeria
- Elaeagnus canadensis: See SHEPHERDIA*
- ELYMUS**
Claviceps purpurea
Erysiphe graminis
Helminthosporium tritici-repentis
Heterosporium phlei
Lophodermium arundinaceum
Puccinia rubigo-vera
Scolecotrichum graminis
Stagonospora arenaria
- EMPETRUM**
Chrysomyxa empetri
Physalospora crepiniana
 --- *empetri*
Sphaeropezia empetri
- EPILOBIUM**
Aecidium epilobii
Botrytis cinerea
Caeoma epilobii
Didymosphaeria fenestrans
Hyaloceras kriegerianum
Nectria cinnabarina
Phomatospora sp.
Plasmopara epilobii

(Epilobium continued)

Puccinia gigantea
 --- *vagans*
 --- *veratri*
Pucciniastrum pustulatum
Ramularia cercosporioides
 --- *punctiformis*
Septoria epilobii
Sphaerella effusa
Sphaerotheca macularis

ERIGERON

Botrytis cinerea
Coleosporium solidaginis
Sphaerotheca macularis

ERIOPHORUM

Sclerotinia vahliana
Septoria chamissonis
 --- *eriphori*
Stagonospora eriophorella

ESCHSCHOLTZIA

Botrytis cinerea

EUPHORBIA

Botrytis cinerea

FESTUCA

Claviceps purpurea
Heterosporium phlei
Leptosphaeria ophiopogonis graminum
Ovularia pulchella
Phoma sp.
Puccinia cockerelliana
 --- *festucae*

Filix: See CYSTOPTERIS

FOMES

Hypocrea citrina

FRAGARIA

Ascochyta colorata
Botrytis cinerea
Fuligo septica
Marssonina potentillae
Mycosphaerella fragariae
Sphaerotheca macularis

FRITILLARIA KAMTSCHATCENSIS

Uromyces miurae

FUCHSIA

Botrytis cinerea
Pucciniastrum pustulatum

GAILLARDIA

Cladosporium sp.

GALIUM

Cercospora galii
Puccinia rubefaciens

GAULTHERIA

Mycosphaerella gaultheriae
Phacidium gaultheriae

GENTIANA

Puccinia gentianae
Pucciniastrum alaskanum

GERANIUM

Botrytis cinerea
Puccinia leveillei
Uromyces geranii
Venturia circinans

GEUM

Erysiphe polygoni
Puccinia sieversiae
Septoria gei

GLADIOLUS

Botrytis cinerea
Heterosporium montenegrinum

GLYCERIA

Claviceps purpurea

GODETIA

Botrytis cinerea
Pucciniastrum pustulatum

GRAMINEAE

Colletotrichum lineola
Erysiphe graminis
Scolecotrichum graminis
Selenophoma donacis stomaticola

GREVILLEA

Botrytis cinerea

Grossularia: See RIBES

HABENARIA

Puccinia praegracilis

Halianthus: See ARENARIA

Harrimanella: See CASSIOPE

HEDYSARUM

Uromyces hedysari-obscuri

HELIOTROPIUM

Botrytis cinerea
Cladosporium heliotropii

HELLEBORUS

Eurotium herbariorum

HERACLEUM

Heterosphaeria patella
 Leptosphaeria doliolum
 Phoma complanata
 Phyllachora heraclei
 Phyllosticta heraclei
 Ramularia heraclei
 Rhabdospora pastinacina
 Sclerotium varium
 Sphaerographium abditum

HEUCHERA

Leptostroma herbarum
 Phyllosticta excavata
 Puccinia heucherae

HIBISCUS

Botrytis cinerea

HIERACIUM

Puccinia hieracii

HIEROCHLOË

Mycosphaerella tassiana
 Pleospora karstenii
 Pyrenopeziza stictoidea
 Pyrenophora trichostoma

HIPPEASTRUM

Botrytis cinerea

HORDEUM

Ascochyta graminicola
 Claviceps purpurea
 Erysiphe graminis
 Helminthosporium gramineum
 Heterosporium hordei
 Puccinia pygmaea
 Scolecotrichum graminis
 Ustilago bullata
 --- hordei

HOSTA

Botrytis cinerea

HYDRANGEA

Ascochyta hydrangeae
 Botrytis cinerea

IBERIS

Botrytis cinerea

JUNCUS

Leptothyrium juncinum

KALMIA

Amerodothis sp.
 Dothidea denigrans
 Exobasidium vaccinii
 Venturia kalmiae

KENTIA

Colletotrichum kentiae

LABIATAE

Pleospora vulgaris

LACTUCA

Botrytis cinerea
 Marssonina panattoniana

LAGOTIS

Puccinia gymnandrae

LANTANA

Botrytis cinerea

LARIX

Dasyscypha occidentalis
 Melampsora bigelowii

LATHYRUS

Botrytis cinerea
 Erysiphe polygona
 Ramularia roseola
 Uromyces fabae

LEDUM

Chrysomyxa ledicola
 Exobasidium vaccinii
 Lophodermium sphaerioides
 Sporocybe sp.

Leontodon: See TARAXACUM

Lepargyrea: See SHEPHERDIA

LIGULARIA

Botrytis cinerea

LIGUSTICUM

Plasmopara nivea
 Ramularia reticulata

Limnorchis: See HABENARIA

LINARIA

Botrytis cinerea

LINNAEA

Phyllachora wittrockii

LINUM

Melampsora lini

LLOYDIA

Pleospora chrysospora
 --- scrophulariae

LOBELIA

Botrytis cinerea

LONICERA

Botrytis cinerea
Diplodia deflectens

LUNULARIA

Botrytis cinerea

LUPINUS

Epicoccum purpurascens
Erysiphe polygoni
Leptosphaeria foeniculacea lupini
Ramularia lupini
Septogloeum lupini
Stictochorella lupini
Trichopeziza earoleuca

LUZULA

Puccinia obscura
Stagonospora aquatica luzulicola

LYCHNIS

Alternaria ? dianthi
Botrytis cinerea
Pleospora vulgaris
Pyrenophora cerastii

LYCOPERSICON

Botrytis cinerea

MAIANTHEMUM

Phoma majanthemi
Phyllosticta sp.
Puccinia majanthemi
Ramularia rubicunda

Mairania: See ARCTOSTAPHYLOS

MALUS

Coryneum foliicola
--- *longistipatum*
Fabraea maculata
Gymnosporangium nelsoni
--- *nootkatense*
Hysterium pulicare
Phomopsis sp.
Podosphaera leucotricha
Valsa leucostoma
Venturia inaequalis

MATRICARIA

Sphaerotheca macularis

MATTHIOLA

Botrytis cinerea

MEDICAGO

Ascochyta imperfecta

Melandrium: See LYCHNIS

MELISSA

Botrytis cinerea

MENZIESIA

Exobasidium vaccinii
Melasmia menziesiae
Melogramma sp.
Microsphaera penicillata
Rhytisma sp.
Tremella phyllachoroidea

MENYANTHES

Physoderma menyanthis

Merckia: See ARENARIA

MERTENSIA

Didymosphaeria johansenii
Erysiphe communis
Puccinia mertensiae

Micranthes: See SAXIFRAGA

MIMULUS

Botrytis cinerea

MITELLA

Puccinia heucherae

Moehringia: See ARENARIA

MONESES

Chrysomyxa pyrolae

MYRICA

Cronartium comptoniae
Ovularia destructiva

Myrsiphyllum: See ASPARAGUS

Nabalus: See PRENANTHES

NEBRIA

Laboulbenia nebriae

NEPETA

Botrytis cinerea

NEPHROLEPIS

Botrytis cinerea

NEPHROPHYLLIDIUM See Anderson (7)

Puccinia nephrophyllidii

NICOTIANA

Botrytis cinerea

Ocrearia: See SAXIFRAGA

- OENANTHE
Nyssopsora echinata
- OENOTHERA
Botrytis cinerea
- OPLOPANAX
Botrytis cinerea
- ORCHIS
Puccinia praegracilis
- OSMORRHIZA
Puccinia pimpinellae
- OXALIS
Botrytis cinerea
- OXYRIA
Pleospora comata
Puccinia oxyriae
Pyrenophora cerastii
Ustilago vinosa
- OXYTROPIS
Pleospora chrysospora
--- herbarum
--- vagans
Uromyces lapponicus
- PAEONIA
Cladosporium sp.
Phyllosticta baldensis
- PAPAVER
Botrytis cinerea
Pleospora herbarum
Pyrenophora paucitricha
- PARNASSIA
Puccinia uliginosa
- PARRYA
Leptothyrium vulgare parryae
Pleospora chrysospora
Puccinia oudemansii
- PEDICULARIS
Pyrenophora cerastii
- PELARGONIUM
Botrytis cinerea
- PETASITES
Puccinia conglomerata
--- poarum
- PETROSELINUM
Botrytis cinerea
- Phaca: See ASTRAGALUS
- PHASEOLUS
Botrytis cinerea
Colletotrichum lindemuthianum
- Phegopteris: See DRYOPTERIS
- PHLEUM
Claviceps purpurea
Puccinia poae-sudeticae
Scolecotrichum graminis
Selenophoma donacis stomaticola
Septoria culmifida
- PHLOX
Botrytis cinerea
Septoria drummondii
- PHYLLODOCE
Antennaria rectangularis
Diplodina rostrupii
- PICEA
Chrysomyxa empetri
--- ledicola
--- pyrolae
Corticium vagum
Fomes annosus
--- applanatus
--- nigrolimitatus
--- officinalis
--- pini
--- pinicola
--- roseus
Hypoxylon ohiense
Lachnellula chrysophthalma
Lentinus kauffmanii
Lenzites saepiaria
Lophodermium filiforme
--- piceae
--- sp.
Melampsorella cerastii
Merulius fugax
Myxotrichella resinae
Peniophora crassa
--- gigantea
--- tabacina
Peridermium coloradense
Polyporus abietinus
--- alboluteus
--- anceps
--- borealis
--- fibrillosus
--- pargamenus
--- picipes
--- schweinitzii
--- sulphureus
Poria cinerascens
--- crustulina
--- lenis
--- purpurea roseo-lilacina
--- sitchensis

(Picea continued)

Poria subacida
 --- *xantha*
 --- *xantha crassa*
Rosellinia aquila
Sebacina calcea
Sporonema strobilinum
Stereum abietinum
 --- *sanguinolentum*
 --- *sulcatum*
Stilbum glomerulaespora
Trametes alaskana
 --- *heteromorpha*
 --- *odorata*
 --- *serialis*
 --- *variiformis*

PINUS

Cronartium coleosporioides
Lophodermium pinastri
Poria xantha crassa
Trametes variiformis

PISUM

Ascochyta pisi
Botrytis cinerea
Cladosporium herbarum
Mycosphaerella pinodes
Stemphylium botryosum

PLANTAGO

Peronospora alta
Phyllosticta plantaginis
Ramularia plantaginis
 --- *sp.*

POA

Ascochyta graminicola
Botrytis cinerea
Erysiphe graminis
Helminthosporium vagans
Heterosporium phlei
Leptostroma herbarum
Phoma graminis
Pleospora infectoria
 --- *magnusiana*
Puccinia poae-sudeticae
Pyrenophora trichostoma
Rhynchosporium secalis
Scolecotrichum graminis
Septogloeum oxysporum
Sphaerella graminum
Urocystis agropyri

POLEMONIUM

Puccinia polemonii
Pyrenophora polyphragmoides

POLYGONACEAE

Ovularia obliqua

POLYGONUM

Bostrichonema alpestre
Pseudopeziza bistortae
Puccinia polygoni-alpini
 --- *bistortae*
 --- *parca*
 --- *septentrionalis*
Septoria polygonina
Sphacelotheca inflorescentiae
Uromyces polygoni
Ustilago bistortarum

POLYPODIUM

Milesia laeviuscula
 --- *laeviuscula glycyrrhiza*

POLYSTICHUM

Trabutiella filicina

POPULUS

Chlorociboria aeruginosa
Cladosporium subsessile
Diatrype bullata
Fomes applanatus
 --- *igniarius*
Gloeocystidium karstenii
Linospora tetraspora
Melampsora albertensis
Mycoacia macrodon
Mycosphaerella populi
Phyllosticta alcides
 --- *intermixta*
 --- *osteospora*
Pleurotus ostreatus
Polyporus adustus
 --- *caesius*
 --- *sulphureus*
 --- *versicolor*
 --- *zonatus*
Poria aneira
Steccherinum ochraceum
Stereum purpureum
Stigmina populi
Trametes variiformis
Uncinula salicis
Valsa sordida

POTENTILLA

Botrytis cinerea
Coleroa potentillae
Diplodina lyngei
Peronospora potentillae
Phragmidium andersoni
 --- *potentillae*
Pleospora herbarum
Ramularia arvensis
 --- *punctiformis*

PRASIOLA

Guignardia alaskana

PRENANTHES

Puccinia insperata
 --- *prenanthis*
Sphaerotheca macularis

PRIMULA

Botrytis cinerea
Pleospora herbarum

PRUNELLA

Ophiobolus rostrupii

PRUNUS

Botrytis cinerea
Cladosporium carpophilum
Coniothyrium sp.
Cytospora sp.
Cytosporina ludibunda
Dermea cerasi
Nectria cinnabarina
Phomopsis ? *padina*
Taphrina cerasi
 --- *deformans*
Valsa leucostoma

PTERIDIUM

Cryptomyces pteridis

PUCCINELLIA

Clathrospora pentamera
Erysiphe graminis
Mycosphaerella tassiana
Puccinia rubigo-vera
Pyrenophora trichostoma

Pulsatilla: See ANEMONE

PYROLA

Chrysomyxa pyrolae
Lophodermium maculare
Pucciniastrum pyrolae
Sphaerulina marginata

Pyrus: See MALUS

QUERCUS

Monochaetia taphrinicola
Myxosporium valsoideum

RANUNCULUS

Aecidium ranunculacearum
Didymaria didyma
Discosia acuta
Erysiphe polygona
Fabraea ranunculi
Metasphaeria annae
Mycosphaerella ranunculi
Peronospora ficariae
Pleospora comata
 --- *herbarum*
Puccinia ranunculi

(*Ranunculus* continued)

Puccinia rubigo-vera
Ramularia aequivoca

RAPHANUS

Plasmodiophora brassicae

RHEUM

Botrytis cinerea

RHINANTHUS

Botrytis cinerea

RHODODENDRON

Rhytisma ? *rhododendri*

RIBES

Asteroma ribicola
Botrytis cinerea
Ceriospora ribis
Cladosporium sp.
Clypeopycnis aeruginascens
Coryneum sp.
Diaporthe eres
 --- *stromella oligocarpa*
Fusarium illosporoides
Gibberidea ribis
Godronia davidsonii
 --- *urceolus*
Leptosphaeria coniothyrium
Marssonina bracteosum
Melampsora ribesii-purpureae
Nectria cinnabarina
Phragmodothella ribesia
Phyllosticta ribesicida
Pseudopeziza ribis
Pseudovalsa ribesia
Puccinia caricis
 --- *parkeriae*
 --- *ribis*
Rhynchophoma raduloides
Septoria ribis
Sphaerotheca macularis
 --- *mors-uvae*

ROSA

Botrytis cinerea
Coryneum foliicola
Diplocarpon rosae
Nectria cinnabarina
Pestalotia compta
Phragmidium americanum
 --- *fusiforme*
 --- *montivagum*
 --- *rosae-californicae*
 --- *subcorticinum*
 --- ? *tuberculatum*
Sclerotium sp.
Sphaerotheca pannosa

RUBUS

Aspergillus sp.
 Botrytis cinerea
 Coniothyrium olivaceum
 Fabraea cincta
 Gnomonia depressula
 Gymnoconia peckiana
 Leptothyrium clypeosphaerioides
 --- vulgare
 Monochaetia monochaeta libertiana
 Mycosphaerella fruticum
 Nectria cinnabarina
 Pestalotia truncata rubi
 Phragmidium alaskanum
 --- occidentale
 --- rubi-idaei
 Pucciniastrum arcticum
 Rhabdospora rubi
 Septoria rubi
 Sphaerotheca macularis
 Venturia kunzei
 --- kunzei ramicola

RUMEX

Mycosphaerella rumicis
 --- stromatoidea
 Ovularia obliqua
 Ramularia pratensis
 --- rumicis
 Venturia rumicis

SALIX

Cladosporium herbarum
 Coniothyrium fuligineum
 Coryneum salicinum
 Cryptodiaporthe salicina
 Cytidia flocculenta
 --- salicina
 Daedalea confragosa
 Diatrype bullata
 Dothiorella pyrenophora salicis
 Exidia glandulosa
 Favolus alveolarius
 Fomes igniarius nigricans
 Gnomonia sp.
 Hormiscium stilbosporum
 Hymenochaete agglutinans
 --- tabacina
 Hypoxylon blakei
 Leptothyrium pulchrum
 Lophium dolabriforme
 Lophodermium maculare
 Melampsora arctica
 --- bigelowii
 --- ribesii-purpureae
 Melanomma pulvis-pyrius
 Metasphaeria cinerea
 Mollisia sublividula
 Mycosphaerella minor reticulata
 Nectria cinnabarina
 --- coryli

(Salix continued)

Orbilia occulta
 Otthia diminuta
 Ozonium auricomum
 Pestalotia lignicola
 --- truncata
 Pholiota adiposa
 Phoma salicina
 --- sp.
 Pleospora vulgaris
 Polyporus elegans
 Poria ferruginosa
 --- reticulata
 Propolis angulosa
 Pyrenophora cerastii
 Ramularia rosea
 Rhytisma salicinum
 --- sp.
 Scleroderris fuliginosa
 Septogloeum salicinum
 Septoria salicicola
 Solenia ochracea
 Sphaerella grossulariae salicella
 Steccherinum ochraceum
 Teichospora sp.
 Trametes heteromorpha
 --- suaveolens
 Uncinula salicis
 Uredo mckinleyensis
 Valsa boreella
 --- salicina
 --- sordida

SAMBUCUS

Ascochyta sambuci
 Botrytis cinerea
 Coniothyrium fuscidulum
 --- olivaceum
 Cryptodiaporthe calosphaeroides
 Diaporthe sociabilis sambuci
 Melanomma sambuci
 Mollisia ligni
 Polyporus elegans
 Rosellinia ligniaria
 Sclerotium sp.
 Septoria sambucina
 Triposporium elegans
 Tubercularia sambuci

SANGUISORBA

Fabraea sanguisorbae
 Ovularia bulbigera
 Sphaerotheca macularis
 Xenodochus carbonarius
 --- minor

SAXIFRAGA

Botrytis cinerea
 Dothidella sphaerelloides
 Laestadia saxifragae
 Melampsora arctica

- (*Saxifraga* continued)
Puccinia heucherae
 --- *laurentiana*
 --- *pazschkei*
Sphaerotheca macularis
- SCIRPUS
Leptosphaeria juncicola
- SCORZONELLA
Puccinia extensicola
Sphaerotheca macularis
- Selinum: See CONIOSELINUM
- SENECIO
Botrytis cinerea
Phyllosticta garrettii
- SHEPHERDIA
Cylindrosporium shepherdiae
Puccinia coronata
Sphaerotheca macularis
- SILENE
Leptosphaeria silenes-acaulis
- SOLANUM
Ascochyta lycopersici
Botrytis cinerea
Fusarium oxysporum
Pellicularia filamentosa
Phyllosticta sp.
Phytophthora infestans
- SOLIDAGO
Coleosporium solidaginis
Erysiphe communis
Puccinia virgaureae
- SORBUS
Dothiorella pyrenophora
Eutypella sorbi
Fabraea maculata
Gymnosporangium aurantiacum
 --- *juniperinum*
 --- *nootkatense*
Nectria cinnabarina
Rhabdospora inaequalis
- SPERGULA
Peronospora obovata
- SPHAERIACEAE
Nectria episphaeria
- SPIRAEA
Heterosporium spiraeae
- SPIROGYRA
Lagenidium entophytum
- (*Spirogyra* continued)
Pythium gracile
- STELLARIA
Leptosphaeria silenes-acaulis
Melampsorella cerastii
Mycosphaerella stellarinearum
 --- *tassiana*
Puccinia arenariae
- SWERTIA
Puccinia swertiae
- SYMPHORICARPOS
Cercospora symphoricarpi
Puccinia symphoricarpi
- TAGETES
Botrytis cinerea
- TARAXACUM
Ascochyta taraxaci
Puccinia hieracii
Ramularia taraxaci
Sphaerotheca macularis
- TELLIMA
Puccinia heucherae
Sphaerotheca macularis
- THALICTRUM
Puccinia rubigo-vera
 --- *septentrionalis*
Tranzschelia thalictri
- THUJA
Didymascella thujina
Fomes appplanatus
Polyporus cuneatus
Poria weirii
- THYMUS
Botrytis cinerea
- TIARELLA
Puccinia heucherae
Sphaerotheca macularis
- TILIA
Nectria cinnabarina
Phoma communis
- TOFIELDIA
Septoria orchidearum
- TOLMIEA
Puccinia heucherae
- TRADESCENTIA
Botrytis cinerea

TRIENTALIS

Puccinia karelica
Tubercinia trientalis

TRIFOLIUM

Cymadothea trifolii
Pseudopeziza trifolii
Sphaerulina trifolii
Stagonospora meliloti

TRISETUM

Puccinia poae-sudeticae
--- *rubigo-vera*

TRITICUM

Cladosporium herbarum
Fusarium graminearum
Tilletia caries
--- *foetida*
Ustilago tritici

TROPAEOLUM

Botrytis cinerea

TSUGA

Aleurodiscus weirii
Ciboria sp.
Didymascella tsugae
Dimerosporium tsugae
Echinodontium tinctorium
Fomes annosus
--- *applanatus*
--- *nigrolimitatus*
--- *pini*
--- *pinicola*
--- *robustus* var. *tsugensis*
Ganoderma oregonense
Herpotrichia nigra
Hydnum abietis
Lophodermium sp.
Marasmius ? *filipes*
--- *perforans*
Microthyrium harrimani
Peniophora crassa
Polyporus abietinus
--- *picipes*
--- *resinosus*
--- *sulphureus*
Poria albobrunnea
--- *crassa*
--- *ferrugineo-fusca*
--- *sitchensis*
--- *subacida*
Sporonema strobilinum
Stereum abietinum
Trametes alaskana
--- *heteromorpha*
--- *serialis*
--- *variiformis*
Uraecium holwayi

TULIPA

Botrytis cinerea

UMBELLIFERAE

Plasmopara nivea

Unifolium: See MAIANTHEMUM

URTICA

Didymella eupyrea
Leptosphaeria acuta
Puccinia caricis
Ramularia urticae
Septoria urticae

VACCINIUM

Botrytis cinerea
Dothiorella latitans
Exobasidium comosum
--- *vaccinii*
Gibbera vaccinii
Godronia cassandrae
Leptothyrium conspicuum
Lophodermium oxycocci
Microsphaera penicillata vaccinii
Podosphaera clandestina
Pucciniastrum goeppertianum
--- *myrtilli*
Rhytisma vaccinii
? *Sclerotinia oxycocci*
Sporonema oxycocci

VALERIANA

Puccinia valerianae

VERATRUM

Patinella aloysii-sabaudiae
Phyllosticta melanoplaca
Puccinia veratri
Sclerotium durum

VIBURNUM

Cercospora varia
Cladosporium sp.
Nectria cinnabarina
Puccinia linkii
Rhabdospora interrupta

VICIA

Botrytis cinerea
Erysiphe polygoni
Leptosphaeria

VIOLA

Ascochyta violicola
Botrytis cinerea
Centrospora acerina
Puccinia fergussoni
--- *violae*
? *Ramularia ionophila*
--- *lactea*

(Viola continued)
 Septoria hyalina
 Urocystis violae

ZEBRINA
 Botrytis cinerea

Youngia: See CREPIS

ZINNIA
 Botrytis cinerea

ZANTEDESCHIA
 Botrytis cinerea

ZYGADENUS
 Puccinia grumosa

LITERATURE CITED

1. Anderson, J. P. Fungus diseases. Rept. Alaska Agr. Expt. Sta. 1914, p. 26-27. 1915.
2. _____ . Rept. Alaska Agr. Expt. Sta. 1915, p. 39-41. 1916.
3. _____ . Notes on the flora of Sitka, Alaska. Proc. Iowa Acad. Sci. 23: 427-482. 1916. Fungus flora pp. 477-482.
4. _____ . Some Alaskan fungi. Proc. Iowa Acad. Sci. 27: 99-108. 1922.
5. _____ . Botrytis cinerea in Alaska. Phytopath. 14: 152-155, illus. 1924.
6. _____ . Notes on Alaskan rust fungi. Bull. Torr. Bot. Club 67: 413-416. 1940.
7. _____ . The Uredinales of Alaska and adjacent parts of Canada. Iowa State Coll. Jour. Sci. 26: 507-526. 1952.
8. Arthur, J. C. Some Alaskan and Yukon rusts. Plant World 14: 233-236. 1911.
9. _____ . Manual of the rusts in the United States and Canada. 438 p., illus. Lafayette, 1934.
10. Arwidsson, Th. Ueber einige auf der Gattung Empetrum vorkommende Pilze. Svensk Bot. Tidskr. 30: 401-418. 1936.
11. Baxter, Dow V. Some resupinate polypores from the region of the Great Lakes. No. V-XXII. Pap. Mich. Acad. Sci. 19-36. 1934-1952. illus.

V.	vol. 19 (1933):	305-332.	1934.
VI.	20 (1934):	273-281.	1935.
VII.	21 (1935):	243-267.	1936.
VIII.	22 (1936):	275-295.	1937.
IX.	23 (1937):	285-305.	1938.
X.	24 (1938):	167-188.	1939.
XI.	25 (1939):	145-170.	1940.
XII.	26 (1940):	107-121.	1941.
XIII.	27 (1941):	139-161.	1942.
XIV.	28 (1942):	215-233.	1943.
XV.	29 (1943):	85-109.	1944.
XVI.	30 (1944):	175-191.	1945.
XVII.	31 (1945):	117-130.	1947.
XVIII.	32 (1946):	189-211.	1948.
XIX.	33 (1947):	9-30.	1949.
XX.	34 (1948):	41-56.	1950.
XXI.	35 (1949):	43-59.	1951.
XXII.	36 (1950):	69-83.	1952.
XXIII.	37 (1951):	93-110.	1952.
XXIV.	In press.		
12. Baxter, Dow V. Pathology in Forest Practice. 618 pp., illus. New York 1943. Ed. 2, 601 pp., illus., New York 1952.
13. _____ . Occurrence of fungi in the major forest types of Alaska. Pap. Mich. Acad. Sci. 31 (1945): 93-115, illus. 1947.
14. _____ . Pathology in the future forest practice in Alaska. Alaskan Sci. Conference No. 9-11, 1950. 8 pp., illus. [1951].
15. _____ . Arctic twilight. Asa Gray Bull. n. ser. 1: 203-210. illus. 1952.

16. Baxter, Dow V. Benjamin Labaree, and Willard Hildebrand. On and off Alaskan trails. 184 pp., illus. 1937.
17. _____ and Reed W. Varner. Importance of fungi and defects in handling Alaskan airplane spruce. Univ. Mich. School For. & Conserv. Circ. no. 6, 34 p., illus. 1942.
18. _____ and Frank H. Wadsworth. Forest and fungus succession in the lower Yukon Valley. Univ. Mich. School For. & Conserv. Bull. no. 9, 52 p., illus. 1939.
19. Burt, Edward A. The Theleporaceae of North America. Pts. 1-XV. Ann. Mo. Bot. Gard. vols. 1-13, illus. 1914-1926.
20. Campbell, Douglas Houghton. Vacation notes. II. The Northern Pacific Coast. Amer. Nat. 33: 391-401. 1899.
21. Cash, Edith K. Alaskan Fungi. Plant Dis. Repr. 18: 74-88. 1934.
22. _____. Additional records of Alaskan fungi. Plant Dis. Repr. 20: 121-123. 1936.
23. Cooke, Wm. Bridge, and Charles Gardner Shaw. Notes on Alaskan fungi. Res. Stud. State Coll. Washington 20: 15-20. 1952.
24. Cummins, G. B. Uredinales from various regions. Bull. Torr. Bot. Club 79: 212-234, illus. 1952.
25. Dall, W. H. Alaska and its resources. 627 p., illus. Boston, 1870.
26. Dearness, J. Report of the Canadian Arctic Expedition 1913-1918. Vol. IV (Botany), Part C (Fungi), 24 p., 1923.
27. Diehl, William W. On *Hyalodothis caricis*. Mycologia (in press).
28. Ehrenberg, C. G. Fungos a viro clarissimo Adelberto de Chamisso sub auspiciis romanzoffianis in itinere circa terrarum globum collectos enumeravit novosque descripsit et pinxit. In Nees v. Esenbeck Horae Phys. Berolin. p. 77-104, illus. Bonn 1820.
29. Ellis, J. B. and B. M. Everhart. New fungi, mostly Uredineae and Ustilagineae from various localities and a new *Fomes* from Alaska. Bull. Torr. Bot. Club 22: 352-364. 1895.
30. Englerth, G. H. Decay of Sitka spruce in southeastern Alaska. Jour. Forestry 45: 894-900. 1947.
31. Evans, Walter H. The agricultural outlook of the coast region of Alaska. U. S. Dept. Agr. Yearbook 1897, p. 553-576, illus. 1898.
32. Eyerdam, Walter J. A giant bracket fungus found in South Eastern Alaska. Bot. Tidskr. 46: 131-132, illus. 1952.
33. Faull, Joseph Horace. Taxonomy and geographical distribution of the genus *Milesia*. Contr. Arnold Arbor. no. 2, 138 p., illus. 1932.
34. Fernandsen, C., and O. Winge. Mycological notes. II. Bot. Tidsskr. 29: 305-319, illus. 1908.
35. Gutner, L. S. The smut fungi of the USSR. Lenin Acad. Agr. Sci. Inst. Pl. Protect., 383 p., illus. Moscow and Leningrad, 1941.
36. Hennings, P. Neue und interessante Pilze aus dem Kgl. Bot. Museum in Berlin. II. Hedwigia 33: 229-233. 1894.
37. Hooker, Sir William Jackson, and G. A. Walker Arnott. The botany of Captain Beechey's Voyage, 485 p., illus. London, 1841. (Fungi p. 134, issued in 1833.)
38. Jørstad, Ivar. Microcyclic Uredineae on *Geranium* and *Solidago*. Nytt Mag. f. Naturvidensk. 86, p. 1-30 (reprint). 1948.
39. Karling, John S. Polycentric strains of *Phlyctorhiza variabilis*. Amer. Jour. Bot. 38: 772-777, illus. 1951.
40. _____. *Sommerstorffia spinosa* Arnaudow. Mycologia 44: 387-412, illus. 1952.
41. Kol. Erzsébet. The snow and ice algae of Alaska. Smithsonian Misc. Coll. vol. 101, no. 16, 36 p., illus. 1942.
42. Lind, J. Fungi (Micromycetes) collected in Arctic North America... by the Gjöa Expedition under Captain Roald Amundsen 1904-1906. Vidensk.-Selsk. Skrift. II. Math.-Naturv. Kl. no. 9, 25 p., illus. 1910.
43. Lind, J. The geographical distribution of some Arctic Micromycetes. Kgl. Danske Vidensk.-Selsk. Biol. Meddel. vol. 6, no. 5, 45 p., 1927.
44. _____. Studies on the geographical distribution of Arctic circumpolar Micro-mycetes. Kgl. Danske Vidensk.-Selsk. Biol. Meddel. vol. 11, no. 2, 152 p.,

- 1934.
45. Lindner, David H. Fungi. In Polunin, N. Botany of the Canadian Eastern Arctic. Pt. II. Thallophyta and Bryophyta. Bull. Nat. Mus. Canada no. 97 (Biol. Ser. no. 26), p. 234-283, illus. 1947.
 46. Litzenberger, S. C. Reaction of cereal varieties to smuts in Alaska. Plant Dis. Repr. 35: 482-484. 1951.
 47. Macbride, T. H., and G. W. Martin. The Myxomycetes, 339 p., illus. New York, 1934.
 48. Macoun, J. M. A list of plants of the Pribilof Islands, Bering Sea. In Jordan, D. S., The Fur Seals and Fur Seal Islands, vol. 3, p. 559-587, illus. 1899. Fungi, p. 583-4.
 49. Mains, E. B. New and unusual species of Uredinales. Bull. Torr. Bot. Club 66: 617-621. 1939.
 50. Mix, A. J. A monograph of the genus Taphrina. Univ. Kans. Sci. Bull. 33, pt. 1, no. 1, 167 p., 1949.
 51. North American Flora vol. 1, pt. 1, p. 1-190. 1948 (George W. Martin, Myxomycetes).
 52. _____ vol. 6, pt. 1, p. 1-84. 1922. (Fred J. Seaver, Phyllostictaceae (pars.)).
 53. _____ vol. 7, pt. 1-15, p. 1-1151. 1906-1940. (G. P. Clinton, G. L. I. Zundel, Ustilaginales; J. C. Arthur et al., Uredinales).
 54. _____ vol. 9, pt. 1-7, p. 1-52. 1907-1916. (W. A. Murrill, G. S. Burlingham, L. H. Pennington, Agaricales).
 55. _____ vol. 10, pt. 1-5, p. 1-348. 1914-1932. (W. A. Murrill, C. H. Kauffman, L. O. Overholts, Agaricales).
 56. Reed, Minnie. Two new ascomycetous fungi parasitic on marine algae. Univ. Calif. Publ. Bot. 1: 141-161, illus. 1902.
 57. Richardson, Sir. John. Botanical appendix to J. Franklin's narrative of a journey to the shores of the polar sea. 40 p., London, 1823. Fungi, p. 35. NOT SEEN.
 58. Rothrock, J. T. Sketch of the flora of Alaska. Rept. Smithsonian Inst. 1867, p. 433-463. 1872. Also in B. Seemann, The Botany of the voyage of H. M. S. Herald 1845-1851. London, 1852. Seemann publication not seen.
 59. Saccardo, P. A., C. H. Peck, and William Trelease. The fungi of Alaska. Hariman Alaska Expedition pt. 5, 53 p., illus. 1904.
 60. Savile, D. B. O. North American species of Chrysomyxa. Canad. Jour. Res. Sect. C, 28: 318-330. 1950.
 61. _____ . A study of the species of Cintractia on Carex, Kobresia, and Scirpus in North America. Canad. Jour. Bot. 30: 410-435, illus. 1952.
 62. Seaver, Fred Jay. The North American Cup-fungi (Inoperculates), 428 p., illus. New York 1951.
 63. Sprague, Roderick. Interesting new records. Plant Dis. Repr. 20: 151. 1936.
 64. _____ . Stagonospora arenaria on grasses. Mycologia 33: 371-379. 1941.
 65. _____ . The status of Septoria alopecuri and some related species. Mycologia 35: 259-263. 1943.
 66. _____ . Septoria disease of Gramineae in Western United States. Oreg. State Coll. Monogr. no. 6, 151 p., illus. 1944 (1946).
 67. _____ . Rootrots and leafspots of grains and grasses in the Northern Great Plains and Western States. Plant Dis. Repr. Suppl. no. 163, 268 p., 1946.
 68. _____ . Diseases of Cereals and Grasses in North America. (Fungi, except smuts and rusts). 538 p., illus. 1950.
 69. _____ and A. G. Johnson. Species of Selenophoma on North American grasses. Oregon State Coll. Monogr. no. 10, 43 p., illus. 1950.
 70. Tranzschel, W. Conspectus Uredinalium URSS. Bot. Inst. Acad. Sci. USSR, 426 p., illus. 1939.
 71. Zeller, S. M. and L. N. Goodding. Some species of Atropellis and Scleroderris on conifers in the Pacific Northwest. Phytopath. 20: 555-567, illus. 1930.

72. Setchell, William Albert. Some unreported Alaskan Sphagna, together with a summary of the cryptogamic work of the University of California botanical expedition to Alaska in 1899. Univ. Calif. Publ. Bot. 2: 309-315. 1907. Fungi, p. 311-312.
73. Zundel, George L. (edit. J. A. Stevenson) Notes on the Ustilaginales of the world. V. Mycologia 43: 267-270. 1951.

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