

Colombia mostly Páramo de los Palacios northeast of Bogotá Dodge & Dodge unless
otherwise stated in margin 89

13001 *Lecidea anomocarpa* Mull Arg

13002 *Cladonia corymbites* Nyl.

13003 *Rhizocarpon* ; *Squamaria rosulans* (Mey & Fr) Dodge

13004 *Lecidea farinacea* Fée

13005 *Lecidea anomocarpa* Mull Arg

13006 Do

Colombia - Cuscutas

16947-B *Pannaria radiata* (Vainio) Dodge

16023 B - *Collema* no slide

20588 - *Psorella Spruceana* Mull Arg

20597 - *Sticta propinqua* Taylor

20616 *Sticta granatensis* Nyl.

20589 *Sticta granatensis* Nyl

20588a *Sticta granatensis* Nyl

20597L *Sticta granatensis* Nyl

20597L *Sticta Wiegandii* (Vest) *Parmelia* (Hypotr)

20616 *Parmelia*

20589 *Parmelia*

12067B *Parmelia*

18836L *Usnea* mixed with other gen all scrappy

14597L *Usnea*

13019

13020

13021

13022

13023 *Basomyces absolutus* Tuck.

13024 *Stereocaulon exalbicans* Nyl.

13025 *Stereocaulon ramulosum* v. *farinosum* Th Fr

BACTERIOLOGY

Jan. 22, 1963

of water which shows the presence of a Gram negative motile rod fermenting lactose, how would you further study it to prove the absence of *Escherichia coli*?

in the country with flush toilets, how would you provide for sewage piping it to a nearby stream were undesirable?

stulates and the experimental difficulties encountered in fulfilling

principal mechanisms which prevent the entrance of bacteria into the
What cells clear the blood of invading bacteria? Where do these
late after ingestion of the bacteria?

ce, invasiveness, minimal lethal dose, average lethal dose. What
methods are used to increase virulence of a culture of pathogenic

antibody, complement, simple hapten, complex hapten. Contrast
endotoxins.

an adequately equipped laboratory and name at least

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13001 *Lecidea anomocarpa* Mull Arg

13002 *Cladonia corymbites* Nyl.

13003 *Rhizocarpon* " ; *Squamaria rosulans* (May & Fu) Dodge

13004 *Lecidea farinacea* Fée

13005 *Lecidea anomocarpa* Mull Arg

13006 *Placopsis*

13007 *Aspicilia prosecha* (Ach) Hue

13008 *Lecidea* (*Bratora*) *pseudomelanea* Mull Arg

13009

13010 *Lecanora melanoxantha* Zenker

13011

13012 *Bacidia cuprea* v *chlorotica* (Nyl.) Zahlbr

13012 a *Lopadium*?

13013 ~~*Bacidia*~~

13014 *Lecidea* (*Bratora*) *Mayari* Lindau

13015

13016

13017

13018 *Lecanora* (*Squamaria*) *rosulans* May & Fu or new

13019

13020

13021

13022

13023 *Basomyces absolutus* Tuck.

13024 *Stereocaulon exalbidum* Nyl.

13025 *Stereocaulon ramulosum* v. *farinosum* Th Fu

- 13026 *Stictina Kunthii* v. *pilosella*
- 13027 *Peltigera pulverulenta* (Taylor) Krmplhbr
- 13028 *Baeomyces imbricatus* Hook
- 13029 *Leptogium phyllocarpum* (Pers) Mont
- 13030 *Usnea*
- 13031 *Parmelia* (*Hypotrachyna*)
- 13032 *Baeomyces imbricatus* Hook
- 13033 *Cladonia corymbites* Nyl.
- 13034 *Peltigera spurcula* Vainio
- 13035 *Cladonia dactylota* Tuck.
- 13036 *Parmelia* (*Xanthoparmelia*)
- 13037 *Praudevernia* + *Parm* (*Hypotr*) remember when det
- 13038 *Peltigera pulverulenta* (Taylor) Krmplhbr
- 13039 *Baeomyces imbricatus* Hook
- 13040 *Parmelia*
- 13041 *Baeomyces absolutus* Tuck
- 13042 *Stereocaulon ramulosum* v. *farinosum* Th Fr
- 13043 *Usnea*
- 13044 *Usnea*
- 13045 *Stereocaulon exalbidum* Nyl
- 13046 *Stictina Wiegandii* (Desert)
- 13047 *Lobaria pallida* (Hook) Treu
- 13048 *Cladonia dactylota* Tuck
- 13049 *Stictina andreaeana*
- 13050 *Usnea*

- 13051 *Pseudevernia*
 13052 *Stictina Humboldtii* (Hook) Nyl v. *Tomentella* Nyl
 13053 *Pseudevernia*
 13054 *Cora Pavonia* Fr.
 13055 *Peltigera ulcerata* Müll Arg
 13056 *Peltigera eroderma* Vainio
 13057 *Stereocaulon ramulosum* v. *farinosum* Th Fr.
 13058 *Lobaria pallida* (Hook) Trev
 13059 *Stictina gyalocarpa* Nyl.
 13060 *Usnea*
 13061 *Pseudevernia*
 13062 *Pseudevernia*
 13063 *Stictina impressula* Nyl.
 13064 *Leptogium* ^(Malloctium) *inflexum* Nyl fertile
 13065 *Stictina Wargelii* v. *peruviana* (Ach)
 13066 *Stictina Humboldtii* (Hook) Nyl v. *Tomentella* Nyl.
 13067 *Parmelia* (Hypotrachynae) *confusula* Zahlbr
 13068 *Pseudevernia*
 13069 *Leptogium phyllocarpum* (Pers) Mont
 13070 *Leptogium Standleyi* Dodge
 13071 *Leptogium phyllocarpum* v. *macrocarpum* Nyl
 13072 *Leptogium Standleyi* Dodge
 13073 *Parmelia* (Hypotrachynae)
 13074 *Parmelia* (Hypotrachynae)
 13075 *Parmelia* (Hypotrachynae)

- 13076 *Cladonia isabellina* Vainio
 13077 *Pseudevernia*
 13078 *Pseudevernia*
 13079 *Placopsis*
 13080 *Cladonia dactylota* Tuck immature
 13081 *Pseudevernia*
 13082 *Oropogon loxensis* Fée
 13083 *Leodea* (*Bratora*) nsp
 13084 *Rhizocarpon* *Mendozae* Räs?
 13085 *Leodea* (*Bratora*) *pseudomelaena* Mull Arg
 13086 *Isoetes* (*Squamaria*) *rosulans* Mny + Fw on rim
 13087 *Anaptychia leucomelaena* (L) Vainio f *circinalis* Zahlbr
 13088 *Collema* *sterile*
 13089 *Aspicilia prosecha* (Ach) Hue + *Parmelia* (*Xanthop*)
 13090
 13091 *Pseudevernia*
 13092 *Lobaria pallida* (Hook) Trev.
 13093 *Leptogium coralloideum*
 13094 *Usnea*
 13095 *Pseudevernia*
 13096 *Lobaria pallida* (Hook) Trev
 13097 *Stictina Humboldtii* (Hook.) Nyl. v *Tomentella* Nyl
 13098 *Stictina Humboldtii* (Hook) Nyl. v *Tomentella* Nyl.
 13099 *Stictina Lensemansii* Bosch
 13100 *Ramalina cumanensis* Fée

- 13101 *Usnea*
- 13102 *Peltigera Friesiorum* Gyelnik
- 13103 *Stictina andensis* Nyl
- 13104 *Lecanora melanoantha* Tenkes & new
- 13105 *Aspicilia* ^{mexicana} ~~prosecha~~ Bdehesd.
- 13106
- 13107 *Lecidea* (Bratori) *pseudomelaena* Mull Arg
- 13108 *Lecidea* (Bratori) *pseudomelaena* Mull Arg
- 13109 *Lecidea* (Bratori) *pseudomelaena* Mull Arg
- 13110 *Placopsis*
- 13111 *Placopsis*
- 13112 *Parmelia* (*Xanthoparmelia*)
- 13113 *Aspicilia prosecha* v. *rubescens* Vainio
- 13113a *Placopsis*
- 13114 *Rhizocarpon Mendocae* Räs + *Aspicilia* nsp
- 13115 *Lecidea*
- 13116
- 13117 *Lecidea* (Bratori) *pseudomelaena* Mull Arg
- 13118
- 13119 *Lecidea* nsp
- 13120 *Lecidea* (Bratori) nsp
- 13121 *Placopsis* sterile
- 13122 *Placopsis*
- 13123 *Lecidea* (Bratori) nsp
- 13124
- 13125

13126

13127 *Lobaria pallida* (Horn) Trev13128 *Stictina Humboldtii* (Horn) Nyl13129 *Usnea Dodgei* Motyka13130 *Usnea Finkii* Zahlbr13131 *Usnea furfurcula* (Zahlbr) Motyka13132 *Usnea globularis* Motyka13133 *Usnea granadensis* Motyka13134 *Usnea Humboldtii* Motyka13135 *Usnea Isidarii* Motyka13136 *Usnea leucoxantha* Motyka13137 *Usnea peruviana* Motyka13138 *Usnea spinulifera* (Vainio) Motyka13139 *Usnea roccellina* Motyka13140 *Usnea Steineri* Zahlbr13141 *Usnea subelegans* (Vainio) Motyka13142 *Usnea subhita* (Vainio) Motyka13143 *Anaptychia leucomelaena* f. *circinalis* Zahlbr13144 *Alectoria*13145 *Usnea caespiticia* Motyka(13146 *Usnea cladoblephara* (Müll Arg) Motyka7 *Rinodina haplosporoides* Müll Arg8 *Portularia leoplacea* v. *pycnocarpa* Nyl.9 *Megalospora argyroides* (Vainio) Dodge13150 *Graphis tenellula* Vainio

13151 *Pannaria Vainii* Dodge

2 *Platylocania tuberculosa* (Tee)

3 *Pyrenula mastophoroides* (Nyl) Zahlbr

C. T. J. p. 12 '41

4 *Usnea columbiana* Motyka

5 *Usnea glabrata* (Ach.) Vainio

6 *Usnea pusilla* Räs

7 *Usnea setulosa* Motyka

8 *Usnea spinulifera* (Vainio) Motyka

9 *Anaptychia granulifera* Vainio

60 *Anaptychia leucomelaena* (L.) Mass.

Sta Maria de
Jesus Je 28 42

1 *Parmelia (amphigymnia) eurysaca* Hue

2

3

4

5



Dodge, Carroll W. 1941. "Colombia mostly Parama de Los Palacios." *Fungi lists : Guatemala, Colombia and Costa Rica*

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