

Isabel Carson, Kolin McVeigh, Jade Phillips, and Nathaniel Valenzuela (editors)

North America's Hepatics-Fanatics:

Alfred H. Brinkman's Letters to Fay A. MacFadden (1932–1944)

Shelfmark

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Letters from Alfred H. Brinkman to Fay A. MacFadden.

25 correspondences, January 28, 1932, to September 15, 1944 (numbered below).

Introduction

The twenty-five letters edited below were addressed by Alfred Henry Brinkman (1873–1945), a British bryologist and farmer in Canada, to Fay Agnes MacFadden, née MacDonald (1888–1964), a U.S. botanist and photographer, between January 28, 1932, and September 15, 1944. They are housed in the University Archives and Special Collections (UA&SC) at California State University, Fullerton (CSUF), as part of the MacFadden Collection, which was acquired from MacFadden in 1964, when she sold her extensive correspondences and research materials to CSUF. Macfadden's lasting legacy on campus includes a Herbarium that is named after her and features over 30,000 plant specimens.

The letters edited below are generally in good condition and range in size from 8.3 x 2.75 inches to 8.5 inches x 12 inches. The first four are handwritten in black-ink cursive on paper, the remaining ones are typewritten with added handwritten remarks and signatures. For more letters from the MacFadden collection, see (thus far) *The Welebaethan* 52 (2025), [online](#). While they were exchanging letters and specimens, Brinkman was residing in Craigmyle, located in the Canadian province of Alberta, while MacFadden was residing in southern California. Both Brinkman and MacFadden (albeit less so) published their research on mosses and hepatics (liverworts) in scholarly journals, engaged in field work, and corresponded extensively with others in their fields of interest, including John W. Bailey (1870–1933), Elizabeth Gertrude Britton, née Knight (1858–1934), George Hall Conklin (1866–1940), John Michael Holzinger (1853–1929), Alys Sutcliffe (1895–1969), and Arthur Oliver Wheeler (1860–1945). Apart from their detailed bryological discourse, Brinkman's increasingly personal letters include references to his and MacFadden's health and families, their respective fieldwork, the hardships of the Great Depression, as well as World War II. Brinkman passed away a few months after the last letter edited here; for more on him, see his obituary: Ezra Henry Moss and William Copeland McCalla, "Alfred Henry Brinkman, 1873–1945," *The Canadian Field Naturalist* (September–October 1946): 107–108, [online](#).

These letters, which provide valuable insights into life in North America during the 1930s and earlier 1940s, should be of interest to historians of science, scholars of interpersonal relations, botanists, bryologists, ecologists, environmentalists, Gender Studies researchers, American

Studies scholars, and epistolographers. The letters' original paragraphs, spelling, punctuation, and underlining have been retained as much as possible. All editorial insertions, including expanded abbreviations, added punctuation, and page numbers, appear in square brackets. Identifiable individuals, locations, and technical terms have been referenced in the footnotes, usually when they first appear.

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Craigmyle, Alta
Canada
Jan 28 - 32

I A Mac Fadden Esq
9001 La Tuna Canyon Rd
Roscoe
Calif

I was
indeed pleased to hear that Mr
Wheeler was looking & feeling well. My
last from him, just before his journey
South, seemed to show him as pretty well
"off colour". My respects to him, & regards
to Mr & Mrs Wheeler from all here.
Tell him not to forget me with a reprint
of his article on B.C. glaciers. He must
know I am interested. I always blamed
myself for not obtaining, somehow or
other, copies of the two volumes that
used to exist in a huge case in the
cellar of the Banff Club House. I
suppose working so much among B.C.
mountains & scenery made me very
much interested in the work. Re exchange.
I have always wondered at lack of Hepatics
in ~~the~~ California, it seems to me there
should be a great wealth of them among
the mountains & foothills. ^{any} ~~any~~ & all
will be welcome, for I shall be pleased
to exchange widely with you.

Figure 1: Image of Edition No. 1, page 1.

*Edition No. 1: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, January 28, 1932.*

[page 1; text, handwritten, ink:]

Craigmyle,¹ Al[ber]ta²
Canada
Jan[uary] 28 - [19]32

F[ay] A[.] MacFadden³ Esq[ui]re⁴
9001 La Tuna Canyon R[oa]d⁵
Roscoe⁶
Calif[ornia]⁷

I was indeed pleased to hear that Mr[.] Wheeler⁸ was looking & feeling well. My last from him, just before his journey south, seemed to show him as pretty well "off colour." My respects to him, & regards to Mr[.] & Mrs[.] Wheeler⁹ from all here. Tell him not to forget me with a reprint of his article on B[ritish] C[olumbia]¹⁰ glaciers.¹¹ He must know I am interested. I always blamed myself for not obtaining, somehow or other, copies of the two volumes¹² that used to exist in a huge case in the cellar of the Banff¹³ Club House.¹⁴ I suppose working so much among B[ritish] C[olumbia] mountains & scenery made me very much interested in the work. Re[garding] exchange. I Have always wondered at lack of Hepatics¹⁵ in ~~B-C~~ California, it seems to me there should be a great wealth of them among the mountains & foothills. [illegible deletion] Any & all will be welcome, for I shall be pleased to exchange widely with you.

[page 2; text, handwritten, ink:]

If you only have patience with me, I believe I can promise 400 species of Alberta plants. As a matter of fact I have some 200 odd put up for someone else, & if they do not decide on an

¹ Hamlet in the southeastern part of the Canadian province of Alberta.

² Canadian province in the West.

³ Fay Agnes MacFadden, née MacDonald (1888–1964), U.S. botanist and photographer.

⁴ Used here as a general courtesy title.

⁵ Now 9001 La Tuna Canyon Road, SunValley, California 91352.

⁶ Now SunValley, a neighborhood in Los Angeles, California.

⁷ U.S. state on the West Coast.

⁸ Arthur Oliver Wheeler (1860–1945), Irish land surveyor in Canada.

⁹ Emmeline Wheeler, née Savatard (1880–1976), Wheeler's second wife (m. 1924).

¹⁰ Canadian province on the West Coast.

¹¹ Arthur O. Wheeler, "Five Great Glaciers in the Canadian National Parks," in *Glaciers of the Rockies and Selkirks*, 2nd ed. (1914; Canadian Department of the Interior, 1921), 30–36.

¹² Arthur O. Wheeler, *The Selkirk Range*, 2 vols. (Govt. Print Bureau, 1905).

¹³ Town in the southern part of the Canadian province of Alberta.

¹⁴ Alpine Club of Canada on Sulphur Mountain in Banff (est. 1909; demolished 1974).

¹⁵ Botanical term for liverworts (plants).

exchange reasonably soon, I will send them on to you. So Hepatics, mosses, & flowering plants will be welcomed from B[ritish] C[olumbia] & California -

Just a few words however. My methods are somewhat crude, I most decidedly have to study economy, even money for stamps is not easy to obtain. So I put the flowering plants on ordinary newspapers, two species to a sheet; being careful only not to put closely allied species such as Potentillas[,]¹⁶ Chrysopsis,¹⁷ Poa,¹⁸ on the same sheet, as in such a case, a shifting of the labels will certainly badly complicate matters. So I ask no better from you, it's the plants, not the paper that count. believe you always put the names, it helps lots, kind of hallmark, so to speak.

I am now working over your B[ritish] C[olumbia] Scapanias,¹⁹ they are beautifully put up, & make mine look shabby, do not try to duplicate such methods, or you will make me feel rather ashamed of my material. Just put up in clean paper, & well labelled, is plenty good

[page 3; text, handwritten, ink:]

enough. But why, oh why, & oh why, are they not all numbered, could you please number all you send, your own & mine, I'll try to explain. I am now working on s[capania] dentata²⁰ var[ietas],²¹ it is named undulata,²² & I believe there is another undulata from the near vicinity on the same day, so I have to go through an whole "legend," & then I am not sure the two may be mixed. If I could quote number 902, (or any other blessed number) it would prevent an whole lot of circumlocution,²³ & I should be sure we both understood & were dealing with the same plant. (Bar mixtures) By the way, had some correspondence over one, named x, & there were three different scapanias in it, none of which were x. your s[capania] cordifolia²⁴ & no[s.] 196 & 198 of mine are the same, and are not cordifolia, so the Dr[.]²⁵ & I, & Miss Haynes²⁶ are trying to agree. I have got the Dr[.] so far, that he is inclined to agree it is not cordifolia, & is probably related to paludosa,²⁷ either a well marked var[ietas], or new sp[ecies],²⁸ another, s[capania] paludosa, is, I am reasonably sure, s[capania] obliqua,²⁹ & a fine specimen³⁰ of it. Now if, among those you send me, are specimens of these, numbered, I can keep you in touch with the final result if the Dr[.] does not. He tells me your

¹⁶ Genus of the Rosaceae family.

¹⁷ Genus of the Asteraceae family.

¹⁸ Genus of the Poaceae family.

¹⁹ Liverwort genus of the Scapaniaceae family.

²⁰ Obsolete name for the liverwort species Scapania undulata.

²¹ Botanical taxonomic rank below species and subspecies, but above form.

²² Latin term, meaning "wavy." Scapania undulata is a liverwort species.

²³ Wordiness.

²⁴ Latin term, meaning "heart-shaped." Scapania cordifolia is a liverwort species (a.k.a. Scapania paludosa).

²⁵ Likely George Hall Conklin (1866–1940), U.S. physician and bryologist.

²⁶ Caroline Coventry Haynes (1858–1951), U.S. bryologist and painter.

²⁷ Latin term, meaning "swampy." Scapania paludosa is a liverwort species.

²⁸ Basic, lowest principal rank and fundamental unit in botanical taxonomy.

²⁹ Latin term, meaning "asymmetrical." Scapania obliqua is a liverwort species (a.k.a. Scapania uliginosa).

³⁰ Biological specimen of a plant (or part of a plant) used for scientific purposes.

[page 4; text, handwritten, ink:]

nemorosa³¹ is americana³² (believe det [?] Evans³³) not examined by me yet. "Lots of fun in our backyard." I can understand about your feeling of regret at not being able to go to your own collecting grounds. That feeling is always with me, not of the fine finds I have made, but of the wonderful things I must have missed, that must still be there to find. So I feel it is a pity you cannot get there to continue your fine work.

Best wishes

Yours sincerely

A[lfred] H[enry] Brinkman³⁴

Flowering plants with me include grasses & sedges,³⁵ for I have rather specialized in the Alberta grasses & have collected fairly heavily the Carices,³⁶ though unfortunately not always heavily enough to have duplicate material left of them all.

Edition No. 2: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, February 14–16, 1932.

[page 1; text, handwritten, ink:]

Craigmyle, Al[ber]ta

Canada

Feb[ruary] 14 1932

F[ay] A[.] MacFadden Esq[ui]re]

Tua Junta R[oa]d³⁷

California

Just been examining no.s³⁸ 7494, 7496, 7491 [?], 7497. I do not notice any structural difference of importance between them. They all agree in 1 obtuse³⁹ leaf, 2 coarsely toothed or at least projecting coarse crenulations,⁴⁰ 3 leaf obtuse, 4, nerve, stout, ceasing below apex, 5 paraphyllia⁴¹ on back of nerve, 6, nerve structure, outside cells much as in leaf, inside differing

³¹ Latin term, meaning "of the woods." *Scapania nemorosa* is a liverwort species.

³² *Scapania americana* is a liverwort species.

³³ Alexander William Evans (1868–1959), U.S. botanist and bryologist.

³⁴ Alfred Henry Brinkman (1873–1945), British bryologist and farmer in Canada.

³⁵ Grass-like, flowering plants (a.k.a. Cyperaceae family).

³⁶ Plural of *Carex*, genus of Cyperaceae family.

³⁷ Presumably a misspelling of La Tuna Canyon Road (now SunValley, California).

³⁸ Numbers.

³⁹ Blunt, broadly rounded.

⁴⁰ Leaf edges with small, rounded notches.

⁴¹ Latin term, plural of paraphyllum. Tiny branched or stipuliform (i.e., outgrowth-type) organs between the leaves of some leafy bryophytes (i.e., mosses, liverworts, etc.).

in size, structure, colour, & usually 3 larger hyaline⁴² cells in centre, 7 narrow [illegible deletion] cells at base near nerve, at edge much as those higher up.

Barnes⁴³ & Heald,⁴⁴ in Am[erican] Mosses,⁴⁵ page 283, says "a narrow band on margin elongated (of leaf cells) prosenchymatous,⁴⁶ -----, superposed by rounded small cells." I do not find either latter character in your plants. As a matter of fact I should not care to place definitely without good type material to compare with, but what one is, all four are.

My literature is too woefully scarce for this class of work. 74983 [7493]. Unfortunately descriptions available do not cite capsule. This has decidedly no peristome⁴⁷ teeth, &, on younger leaves at least no prosenchymatous cells, & even on older leaves little sign of same. Leaves are not paraphyllose,⁴⁸ or, as Barnes seems to quote it, radiculose;⁴⁹ No[.] 7498 agrees with

[page 2; text, handwritten, ink:]

7493 in lack of paraphyllia, & cells at base mostly rectangular. But differs in acute leaves coarsely serrate⁵⁰ at apex. Possibly both also differ in nerve structure, seems to me looser celled[.]

Both however have some little tendency to lengthened cells at base. I suppose it would require a copy of Bull[etin] For Bot[anical Torrey] Club [Volume] 22. 36–[43] 1895,⁵¹ E[lizabeth] G[ertrude] Britton,⁵² to clear up. I can only say first 4 seem same species, but lack two characters mentioned by Barnes for marginata,⁵³ & last 2 are similar, & may be same species, but if presence of peristome teeth be taken as necessary for aquatica?⁵⁴ & its varieties then I do not see just where it does come.

Do you wish packets returned, or kept for any future reference. Have some scouleria⁵⁵ somewhere, but do not know where to place my hands on it. Possibly Barnes may mean the elongated cells do not reach to margin, in which event the first 4 would agree with marginata except in superposed cells. I should not care to tackle Bryums,⁵⁶ it would take a wealth of

⁴² Glassy in appearance.

⁴³ Charles Reid Barnes (1858–1910), U.S. botanist.

⁴⁴ Frederick DeForest Heald (1872–1953), U.S. plant pathologist.

⁴⁵ Charles Reid Barnes and Fred[erick] DeForest Heald, *Analytic Keys to the Genera and Species of North American Mosses* (The University of Wisconsin, 1896).

⁴⁶ Relating to tissues formed of elongated cells.

⁴⁷ One or two rings of tooth-like appendages surrounding the opening of the capsule of many mosses.

⁴⁸ Covered in paraphyllia.

⁴⁹ Producing numerous rootlets.

⁵⁰ Notched or toothed on the edge.

⁵¹ Elizabeth G. Britton, "Contributions to American Bryology. IX," *Bulletin of the Torrey Botanical Club* 22, no. 1 (1895): 36–43.

⁵² Elizabeth Gertrude Britton, née Knight (1858–1934), U.S. bryologist and educator.

⁵³ Latin term, meaning "bordered, edged."

⁵⁴ Latin term, meaning "in or near water."

⁵⁵ Moss genus of the Scouleriaceae family.

⁵⁶ Moss genus of the Bryaceae family.

literature & authentically named specimens that there is no chance of me obtaining. Sorry indeed to hear Dr[.]Andrews⁵⁷ is unwell, hope he soon regains full health, he is our only Bryum man one can be reasonably sure of. Re[garding] exchange. Parcel of flowering plants put by for you, & will. I at least hope, be sent you within a month. They were put up nearly a year ago, so if I am not asking too

[page 3; text, handwritten, ink:]

much, I should much like it if you would, as you unpack them, just write down numbers, that will save me sending you too much duplicate material in next parcel, & enable me to possibly dig up species not represented. I believe you will find the naming is good, that is their chief value. Mosses & hepatics I hope to put up at the end of March, time is not available at present, for all my spare time is much occupied with Scapanias. As an instance. Evans says no nemorosa grows West, your nemorosa seems good to me, & so it means going over British material, next American, and Canadian, probably comparing with good Americana (if I can get really reliable specimens) & gracilis,⁵⁸ & so it will probably mean nearly a weeks spare time spent over that one plant, possibly followed by a paper. So I should be unwise to try & spread myself too far. The hepatics may quite well take up all the spare time life will allow me, unless a different & more congenial occupation should fall to my lot.⁵⁹

15th [February, 1932]. Undid the mosses today, they are a fine lot, & I am wondering how far I can reciprocate. I see you have been very good,

[page 4; text, handwritten, ink:]

& shared some of your treasures with me. There were a few I should have liked to examine, had time permitted. Perhaps later on. No[.] 5 Dic[ranum] neglectum.⁶⁰ Has nardia scalaris⁶¹ with it, tho[ugh] recorded for B[ritish] C[olumbia], I have never gathered it myself or seen B[ritish] C[olumbia] specimens. No[.] 714. Dic[ranum] longifolium,⁶² has a regular little puzzle. I am inclined to think it might be a marsupella ruicensis [?] (= capillaris)⁶³ but have no specimen to compare with. If so, new to N[orth] America, as far as my knowledge goes. When next writing to Conklin,⁶⁴ you might try him with a bit, or I will try to remember to do so. neckera Douglasii,⁶⁵ is a Wash[ington]⁶⁶ plant, but has a little Frullania⁶⁷ in it that would interest, if from B[ritish] C[olumbia]. I see you have been over some of my collecting grounds.

⁵⁷ Albert LeRoy Andrews (1878–1961), U.S. philologist and bryologist.

⁵⁸ Latin term, meaning “slender.” Scapania gracilis is a liverwort species.

⁵⁹ “fall to my lot” is written in pencil; next line starts with fresh ink.

⁶⁰ Obsolete name for the moss species Dicranum spadiceum.

⁶¹ Liverwort species of the Gymnomitriaceae family.

⁶² Obsolete name for the moss species Paraleucobryum longifolium.

⁶³ Obsolete name for the liverwort species Marsupella boeckii.

⁶⁴ George Hall Conklin (1866–1940), U.S. physician and bryologist.

⁶⁵ Moss species of the Neckeraceae family.

⁶⁶ U.S. state on the West Coast.

⁶⁷ Liverwort genus of the Frullaniaceae family.

Kamloops,⁶⁸ Fish Lake,⁶⁹ Tranquille Valley,⁷⁰ Chase,⁷¹ Paul Lake,⁷² & have from them stuff fresh to me, which only goes to show the wealth that must be there yet undiscovered. I have some duplicate lichens,⁷³ possibly I will rake them out, they may be acceptable to you but I hardly expect to go further with that group. I suppose you never touched rusts⁷⁴ & smuts,⁷⁵ I have quite a few of those, & have definitely decided to quit them, so if I get an opportunity to exchange for material I am more interested in, I will do so. The whole blessed lot will go, letters

[page 5; text, handwritten, ink:]

(lists of namings) & all. Some are in poor shape, the damp got to them, but I have found out that such specimens placed in very hot (almost boiling) water for a short time, & redried have a tendency to recover most of their original condition. I wish I, like you, had my plants even sheeted & cataloged, it's damnable, but one simply has to have a little money to make cabinets, get mounts, buy labels, etc[etera]. so each time I want to study a group, I have some sweet little job. As for comparing single plants, that is almost hopeless, unless very pressing for some reason. However, I can appreciate the pleasure your collection properly arranged, & handy for reference, must give you.

It is good to hear your good man⁷⁶ will soon be at work again, one can rejoice in the silver lining that shows for others, even tho[ugh] wishing it would show for themselves. Mr[.] Wheeler has greater faith in my future than I have, I must admit I only wish I could share his optimism. Scoulerias, with you, I think the two separated off are different specifically from marginata, but my literature is insufficient to decide just where they should go. Recently heard Dr[.]Rydberg⁷⁷ is death [sic].⁷⁸ Can only hope it is not true. Tho[ugh] he is getting on in years. I believe he just finished the flora of the

⁶⁸ City in the southern part of the Canadian province of British Columbia.

⁶⁹ Lake the southern part of the Canadian province of British Columbia (a.k.a. Težtan Biny).

⁷⁰ Scenic area in the southern part of the Canadian province of British Columbia on the northeastern side of Kamloops Lake.

⁷¹ Village in the southern part of the Canadian province of British Columbia.

⁷² Lake the southern part of the Canadian province of British Columbia.

⁷³ Hybrid colonies of algae or cyanobacteria living symbiotically among filaments of multiple fungus species.

⁷⁴ Fungal plant pathogens.

⁷⁵ Multicellular fungi.

⁷⁶ Fay's husband, Joel Parkhurst MacFadden (1883–1959), a mining engineer.

⁷⁷ Per Axel Rydberg (1860–1931), Swedish-born U.S. botanist.

⁷⁸ Per Axel Rydberg had passed away on July 25, 1931.

[page 6; text, handwritten, ink:]

great plains⁷⁹ E[ast] of the rockies.⁸⁰ He has done great work botanically for Western America, & his loss will be felt. Have yet to undo flowering plants, am reserving that treat. No good of being a glutton, & wasting to enjoy all at once.

For the time being adieu⁸¹

Yours Sincerely

A[lfred] H[enry] Brinkman

16th [February, 1932]

Undid part of flowering plants today. The Californian flora is absolutely foreign to me, I should be in a new & strange world (botanically speaking) there. Thank you for putting them up for me. May write later of some of your Scapanias. A bit of 714 enclosed, to make some there is no misunderstanding as to the plant meant[.]

adieu

*Edition No. 3: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, May 29, 1932.*

[page 1; text, handwritten, ink:]

May 29 1932

Craigmyle

Al[ber]ta

F[ay] A[.] MacFadden

Roscoe

Calif[ornia]

3 packets are not yet finished, one cannot be named with anything like certainty at present.

7151: Asterella californica⁸²

7148 [ditto marks]

7148b [ditto marks]

8164 [ditto mark] Palmeri⁸³

8159 ? [ditto marks] & mostly Fossombronia hispidissima, Step[hani]⁸⁴

⁷⁹ Likely a reference to Per Axel Rydberg, *Flora of the Prairies and Plains of Central North America*, with Marshall A. Howe (New York Botanical Garden, 1932), published posthumously. The "Great Plains" are a broad expanse of flatland in North America to the east of the Rocky Mountains.

⁸⁰ The Rocky Mountains, the largest mountain system in North America.

⁸¹ French for "farewell" (literally "to God").

⁸² Liverwort species of the Aytoniaceae family.

⁸³ Liverwort species of the Aytoniaceae family.

⁸⁴ Liverwort species (a.k.a. Fossombronia longiseta) of the Fossombroniaceae family, described by Franz Stephani.

8160 [ditto marks]

7142 Fossombronia,⁸⁵ possibly longiseta,⁸⁶ but unsafe to name without spores⁸⁷

8165 Cephaloziella: byssacea⁸⁸

8166 [ditto marks]

8166b [ditto marks] believe as named but no perianth⁸⁹ or infl[orescence]⁹⁰ found

8163 Targionia hypophylla⁹¹

8161 Riccia trichocarpa, M[.] A[.] Howe⁹²

8158 [ditto marks]

8162 [ditto marks]

& [ditto mark] nigrella⁹³ mostly

No No[.] [ditto mark] sorocarpa⁹⁴

& [ditto mark] trichocarpa

7169 Lophozia porphyroleuca⁹⁵ & Scapania: curta var[ietas] geniculata⁹⁶

7167 L[ophozia] ventricosa⁹⁷ approaching porphyroleuca & L[ophozia] Hatcheri⁹⁸

7164 L[ophozia] porphyroleuca & L[ophozia] incisa⁹⁹

[page 2; text, handwritten, ink:]

7071 Scapania, maybe be curta v[ariety] geniculata¹⁰⁰ & Jungermannia sphaerocarpa¹⁰¹

7488 Diplophyllum? albicans forma¹⁰² much off type

An interesting lot which came to hand in good condition. S[capania] curta v[arietas] geniculata is a plant I am very uncertain about till I can get [a]hold of really well named material from Europe, so many of my plants have been so named & were not that species at all. Am awfully behind with my botany program, but some day I hope to send some hepatics & if possible, mosses also, but it is a very busy time with me now, & only Sundays are available.

⁸⁵ Liverwort genus of the Fossombroniaceae family.

⁸⁶ Liverwort species of the Fossombroniaceae family.

⁸⁷ Single-celled reproductive unit, can grow into a new organism without needing to fuse with another cell.

⁸⁸ Liverwort species of the Cephaloziellaceae family.

⁸⁹ Non-reproductive part of flora, enveloping its sexual organs.

⁹⁰ Cluster of flowers.

⁹¹ Liverwort species of the Targioniaceae family.

⁹² Liverwort species of in Ricciaceae family, described by Marshall Avery Howe.

⁹³ Liverwort species of in Ricciaceae family.

⁹⁴ Liverwort species of in Ricciaceae family.

⁹⁵ Liverwort species of the Lophoziaceae family.

⁹⁶ Liverwort species of the Scapaniaceae family.

⁹⁷ Liverwort species of the Lophoziaceae family.

⁹⁸ Liverwort species of the Lophoziaceae family, described by John Bell Hatcher.

⁹⁹ Liverwort species of the Lophoziaceae family.

¹⁰⁰ Liverwort species of the Scapaniaceae family.

¹⁰¹ Liverwort species of the Jungermanniaceae family.

¹⁰² Variant of a liverwort species of the Scapaniaceae family.

Have some duplicates of Rapps¹⁰³ Florida[,]¹⁰⁴ Schallert,¹⁰⁵ [North] Carolina, ¹⁰⁶ Dutton,¹⁰⁷ Vermont,¹⁰⁸ & Rhodes,¹⁰⁹ England, if you have not corresponded with any of these, please let me know, & I can send on. Will return the Riccia sorocarpa. If any others you wish returned, please mention numbers, & I can return in part at least. You have an interesting flora to work over[.]

Respects & Regards

Yours sincerely

A[lfred] H[enry] Brinkman

*Edition No. 4: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, August 28, 1932.*

[page 1; text, handwritten, ink:]

Craigmyle, Al[ber]ta

Canada

Aug[ust] 28 1932

F[ay] A[.] MacFadden

9001 La Tuna Canyon R[oa]d

Roscoe

Calif[ornia]

I was pleased to get your letter, received some time ago, over a month since, I see. I too can do little tricks with letters, but nothing to measure up to your experience. Tho[ugh] it did not matter, I just put it down that you were busy for the time being, & would write fully as time permitted. Am sorry indeed to hear the mining position failed.¹¹⁰ "Hope deferred maketh the heart sick,"¹¹¹ & I am afraid there are many of us with sick hearts these days. I am afraid you would think me exaggerating were I to tell you of my own personal hardships. A world of lunatics, not starving & going without in the midst of plenty, incredible as that would seem to sane beings, but starving and going without because of that plenty. I do not see how you are to convince a future

¹⁰³ Severin Rapp (1853–1942), German-born U.S. botanist.

¹⁰⁴ U.S. state on the Atlantic Coast.

¹⁰⁵ Paul Otto Schallert (1879–1970), U.S. physician and botanist.

¹⁰⁶ U.S. state on the Atlantic Coast.

¹⁰⁷ Dura Lewis Dutton (1883–1929), U.S. plant collector.

¹⁰⁸ U.S. state on the Atlantic Coast.

¹⁰⁹ Philip Grafton Mole Rhodes (1885–1934), British bryologist.

¹¹⁰ Reference to the job pursuits of Fay's husband Joel, a mining engineer.

¹¹¹ Holy Bible, Old Testament, Proverbs 13:12a.

[page 2; text, handwritten, ink:]

generation of the possibility of such imbecility, their minds will be unable to envisage it. It is deuced hard to have the cup to the lip, & then have it taken away. The one bright spot seems to be the recovery of your daughter Barbara.¹¹²

I suppose in one way we ought to be thankful, we have plenty of flour, potatoes & usually other vegetables when the gardening is successful, meat, eggs, milk, butter, & a roof over our heads. But the years pass leaving us older, & less able to recuperate. With water available, you must have a splendid garden, & fruits that we should envy you, for even small fruits are very difficult to raise here.

Am glad plants were satisfactory, it was part of a larger parcel, returned because of overweight. More will come as time permits. Am sending on a few hepatics. Mosses some other time as time & opportunity permits, plenty of them knocking around when I can get to them. Spent several Sundays

[page 3; text, handwritten, ink:]

cleaning up, a job badly required, but I am still missing Rapps & Dutton's duplicates & an important article I wanted to send away. My rusts & smuts was one of the jobs I straightened out, mostly named, but a large parcel still unnamed, but am "off" them now, have enough to do without touching them, & I lacked the co-operation I have continually found with the other groups.

Three of your hepatics were left unnamed. One was Ast[e]rella Palmeri, (number & packet mislaid).

No[.] 7149 seemed to be Grimaldia californica¹¹³ & 7152 Astrella Bolanderi¹¹⁴ but as both were without fruit, I was left doubtful. I sent small specimens on to Conklin, thinking he might have duplicate material to compare with, but have not heard from him, I think he is very busy & can only hope he is in good health. I should miss him indeed, after so many years of correspondence. Do not hesitate to send Hepatics at any time, I find them interesting, & shall

[page 4; text, handwritten, ink:]

learn more as I study more. I should have liked to get into correspondence with some Japanese with Hepatics, ~~my~~ am rather keen about it, in fact, but I know no Japanese, & recently even postage for exchange has been difficult to get. I think examination of Japanese material may help solve some of the problems of Western Canadian material 1500 species of mosses sounds pretty considerable to me, I doubt whether I have 1000. I have plenty more material to send on, the great trouble is to find time to get at them, so you will understand there is more to come. It would be a pity for you to even partially drop your botany, if time, permits carrying it on, for you will often find in its study a relief, if only partial, from the

¹¹² Barbara Edwin Moselle, née MacFadden (1918–2007), Fay and Joel's younger daughter.

¹¹³ Obsolete name for the liverwort species *Mannia californica*.

¹¹⁴ Liverwort species of the Aytoniaceae family, described by Henry Nicholas Bolander.

constant worry & thinking over a world gone made. I suppose Mr[.] Wheeler has had Oliver¹¹⁵ with him by now, I know he was looking forward to his coming

Sincerely Yours

A[lfred] H[enry] Brinkman

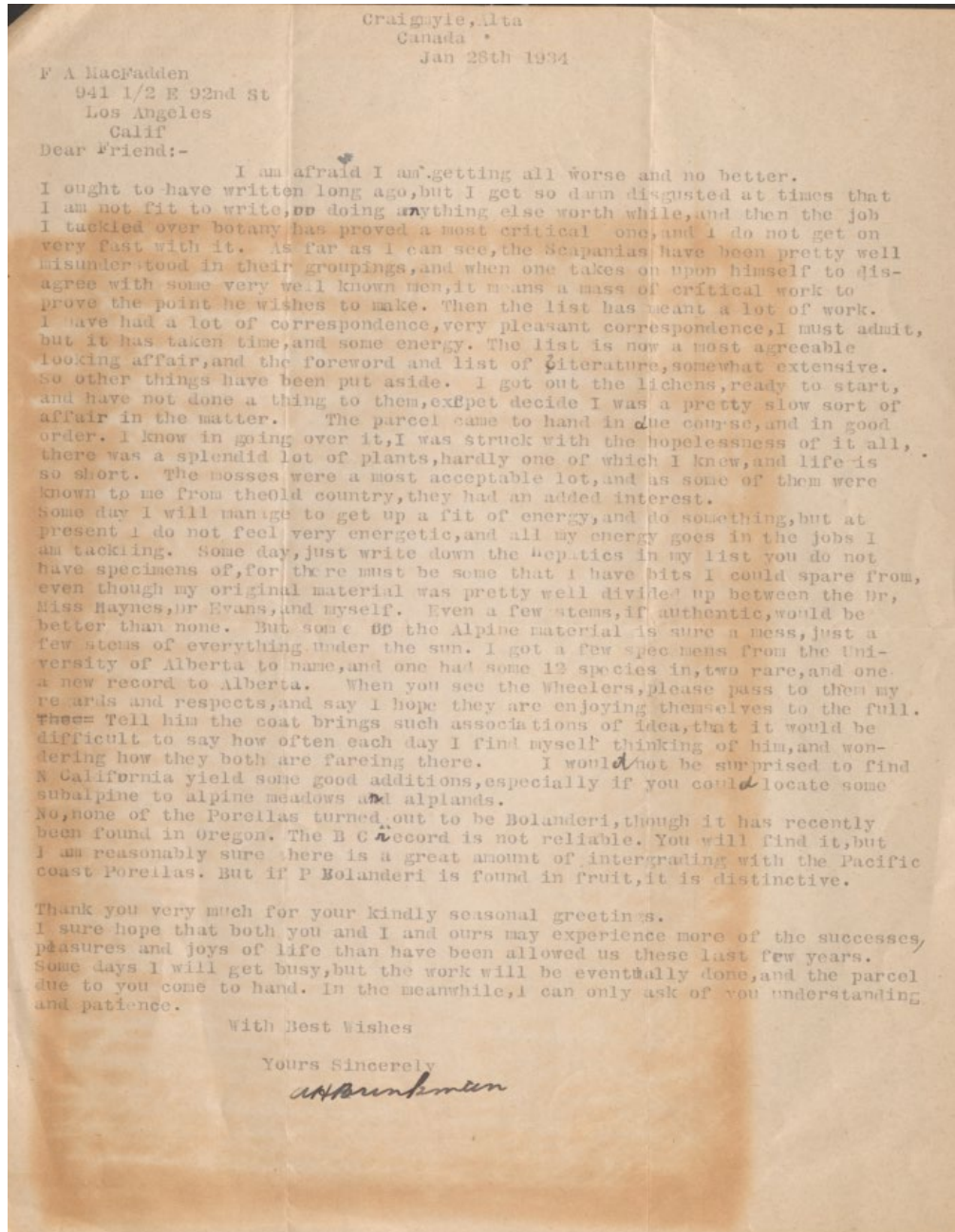


Figure 3: Image of Edition No. 5, page 1.

¹¹⁵ Edward Oliver Wheeler (1890–1962), Canadian surveyor, mountain climber, and soldier.

*Edition No. 5: Alfred H. Brinkman to Fay A. MacFadden
 Craigmyle, Alberta, January 28, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
 Canada
 Jan[uary] 28th 1934

F[ay] A[.] MacFadden
 941 1/2 E 92nd St[reet]¹¹⁶
 Los Angeles¹¹⁷
 Calif[ornia]

Dear Friend: -

I am afraid I am getting all worse and no better. I ought to have written long ago, but I get so damn disgusted at times that I am not fit to write, or doing anything else worth while, and then the job I tackled over botany has proved a most critical one, and I do not get on very fast with it. As far as I can see, the Scapanias have been pretty well misunderstood in their groupings, and when one takes on upon himself to disagree with some very well known men, it means a mass of critical work to prove the point he wishes to make. Then the list has meant a lot of work. I have had a lot of correspondence, very pleasant correspondence, I must admit, but it has taken time, and some energy. The list is now a most agreeable looking affair, and the foreword and list of literature, somewhat extensive. So other things have been put aside. I got out the lichens, ready to start, and have not done a thing to them, excpet [sic] decide I was a pretty slow sort of affair in the matter. The parcel came to hand in due course, and in good order. I know in going over it, I was struck with the hopelessness of it all, there was a splendid lot of plants, hardly one of which I knew, and life is so short. The mosses were a most acceptable lot, and as some of them were known to me from the Old country,¹¹⁸ they had an added interest.

Some day I will manage to get up a fit of energy, and do something, but at present I do not feel very energetic, and all my energy goes in the jobs I am tackling. Some day, just write down the Hepatics in my list you do not have specimens of, for there must be some that I have bits I could spare from, even though my original material was pretty well divided up between the Dr[.], Miss Haynes, Dr[.] Evans, and myself. Even a few stems, if authentic, would be better than none. But some of the Alpine material is sure a mess, just a few stems of everything under the sun. I got a few specimens from the University of Alberta¹¹⁹ to name, and one had 12 species in, two rare, and one a new record to Alberta. When you see the Wheelers, please pass to them my regards and respects, and say I hope they are enjoying

¹¹⁶ Now 941 E 92nd Street, Los Angeles, California 90002.

¹¹⁷ City in the southwestern part of the U.S. state of California.

¹¹⁸ England.

¹¹⁹ University in Edmonton, Alberta, established in 1908.

themselves to the full. ~~Thee~~ Tell him the coat brings such associations of idea, that it would be difficult to say how often each day I find myself thinking of him, and wondering how they both are fareing there. I would not be surprised to find N[orthern] California yield some good additions, especially if you could locate some subalpine to alpine meadows and alplands.

No, none of the Porellas¹²⁰ turned out to be Bolanderi,¹²¹ though it has recently been found in Oregon.¹²² The B[ritish] C[olumbia] record is not reliable. You will find it, but I am reasonably sure there is a great amount of intergrading with the Pacific coast Porellas. But if P[orella] Bolanderi is found in fruit, it is distinctive.

Thank you very much for your kindly seasonal greetings. I sure hope that both you and I and ours may experience more of the successes, pleasures and joys of life than have been allowed us these last few years. Some days I will get busy, but the work will be eventually done, and the parcel due to you come to hand. In the meanwhile, I can only ask of you understanding and patience.

With Best Wishes

Yours Sincerely

A[lfred] H[enry] *Brinkman*

*Edition No. 6: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, April 8, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

Ap[ri]l 8th 1934

F[ay] A[.] MacFadden

6126 Melvil St[reet]¹²³

Culver City¹²⁴

Calif[ornia]

I have been waiting for an energetic fit to arrive, but none will happen. As a matter of fact, I feel more lazy than usual, so thought I had better write you before you started searching the obituaries for a notice to the effect, etc[etera]. I have marked off your list on a list of my own, and have made notes against some four plants. Some of them I have no specimens of myself, others I have only scraps of, but as long as you are content with small pieces, I can manage to put up quite a few for you, I believe. As and when time permits. The old rule.

¹²⁰ Liverwort genus of the Porellaceae family.

¹²¹ Liverwort species of the Porellaceae family, described by Henry Nicholas Bolander.

¹²² U.S. state on the West Coast.

¹²³ Now 6126 Melvil Street, Los Angeles, California 90034.

¹²⁴ City in Los Angeles County, California.

I am enclosing 4, that were under my hand, Three of the Scapanias are those I was treating. The paludicola¹²⁵ is interesting. Not quite typical but goes there As a matter of fact, I am not sure you will feel able to separate till you get a copy of mine, as others are troubled over them.

The list of Hepatics is being printed,¹²⁶ And I believe one copy will be sent you in due course. It is being printed by the Provincial Museum,¹²⁷ Vicotria¹²⁸ [sic], so you should have no trouble in obtaining a copy, if one is not sent, when printed. A brief note. S[capania] irrigua,¹²⁹ stem of almost uniform sized cells, not noticeably thick walled, antical¹³⁰ lobe, transverse,¹³¹ postical [postical]¹³² lobe, transverse or but slightly decurrent,¹³³ trigones¹³⁴ small. Paludosa. Stem, outer row of smaller cells, not thick walled, inner cells decidedly larger. Antical lobe, oblique¹³⁵ to [illegible] *paludicola* round oblique at insertion, postical lobe, arched decurrent, the decurrency not, or but little lower than heel of keel. Vogesiaca.¹³⁶ Stem with a row of coloured small cells, with internal cells distinctly and ~~app~~ suddenly larger Antical lobe attachus¹³⁷ long decurrent, postical lobe attachus arched-long decurrent. Trigones usually none, apical¹³⁸ cells of lobe thick walled.

I am still busy at list of Scapanias, it is proving a most difficult task. A plant will set me out on a search of several, to make sure no relationship exists, or where the differences are, and it sure does consume time, and then I am not feeling any too fit. Still decided progress has been made.

You write re[garding] Mrs[.] Britton.¹³⁹

One of my correspondents with flowering plants is Dr[.] Weigand,¹⁴⁰ [sic] Cornell University.¹⁴¹ He puts some very nice specimens. I asked him about his California Material. His answer is in full as follows. "We have considerable Californian material, but I don't doubt but that Mrs[.] MacFadden's plants would be very acceptable, if she has made good specimens, as I suppose she has. Most of our Californian material has come from Southern California and the bay

¹²⁵ Latin term, meaning "marsh-dwelling." *Scapania paludicola* is a liverwort species.

¹²⁶ Alfred H. Brinkman, "List of Hepatics of Pacific Coast and Adjoining Territory," *Report of the Provincial Museum of Natural History of British Columbia* (for 1933; published 1934): 24–33.

¹²⁷ Now the Royal B[ritish] C[olumbia] Museum in Victoria, British Columbia, established in 1886.

¹²⁸ City in the southwestern part of the Canadian province of British Columbia.

¹²⁹ Liverwort species of the Scapaniaceae family.

¹³⁰ Oriented toward the apex.

¹³¹ Crosswise.

¹³² Oriented toward the base.

¹³³ Plant or fungal parts extending downward.

¹³⁴ Thickenings of the cell wall at the angles where several cells join.

¹³⁵ With the sides unequal.

¹³⁶ Moss species of the Bruchiaceae family.

¹³⁷ Attachment.

¹³⁸ Related to the uppermost tip.

¹³⁹ Elizabeth G. Britton had passed away on February 25, 1934.

¹⁴⁰ Karl McKay Wiegand (1873–1942), U.S. botanist.

¹⁴¹ University in Ithaca, New York, established in 1865.

region.¹⁴² We shall be glad to have you communicate with Mrs[.] MacFadden, and if she cares to send a preliminary set as the beginning of an exchange, we can send her a similar set in return. That will give us a chance to decide whether the exchange is worth while." So there you are. I put my specimens up on white paper, news print, and a dollar will buy enough for several hundred sheets, and the labelling is always as well done as materials permit. However[,] he did register a little protest about my last labels, for they were on similar paper to that in the Hepatics enclosed, and I must admit it is not good, but it was the best I had at the time, or could afford. Still the protest was all in good order.

So there is your chance to exchange with one whose naming is pretty reliable if you so wish. He does not exchange mosses, etc[etera]. By the way, I owe Rapp a letter, and when writing, will try and find out whether he is still interested in exchange, as he has much rare material, and is altogether a nice fellow to exchange with. By thr [sic] way again also, Dr[.] Weigand [sic] is not any more prompt than myself, so you are forewarned. It always comes

[page 2; text, typewritten (handwritten additions and corrections appear in italics);]

eventually. And that is all I can say.

Where so much naming is unreliable, good naming is a well worth asset. By the way, yet again. Do not take my naming in the plants sent as definite, as in many cases they may be Conklin, Haynes, or Evans, and I am only responsible for my own naming, so do not hesitate to raise a point where you may not see eye to eye with the naming, and I will do my best to go over and give an opinion. For example[,] two of your *Nardia Hyalina*¹⁴³ are *Jungermannia sphaerocarpa*. Dr[.] C[onklin] agrees with one, and I am reasonably sure the other goes there also. In the case of *S[capania] americana*, there is a good excuse, as that species is only now being separated, and at that I must confess I do not always follow the naming given, but yours as noted on list is good *S[capania] americana*. With you, I was indeed sorry to hear of the passing of Plitt.¹⁴⁴ He was a most pleasant fellow, pity he had to go.

Well, I do not wonder at your not having an excess of spirits. I consider you have stood up well under a load of misfortune, better than I could have, so a little giving way is permissible. Myself, I feel rotten, no energy for anything, because I cannot see that all the work I must do is going to bring any adequate money reward, but only a further addition to the load of debts. But I may as well go on with it, though as I say spirit for the work is lacking.

Yes, botanical work does take time and energy, and it is, as you suggest, largely it's own reward. Just work as well done as my knowledge permits. I especially want to get hold of Japanese *Scapanias*, does not matter how small, as long as reliable. There are two that ought to turn up here, and I have now a B[ritish] C[olumbia] *Scapania* that I am in great doubts about, I know it is new, but am wondering just whether it may not be something published.

¹⁴² San Francisco Bay Area, California.

¹⁴³ Liverwort species (a.k.a. *Solenostoma hyalinum*) of the *Solenostomataceae* family.

¹⁴⁴ Charles Christian Plitt (1869–1933), U.S. botanist and lichenologist.

Thus parvitexta¹⁴⁵ and Hirosaoiensis¹⁴⁶ (wgich [sic] Dr[.] Evans thinks may be synonyms) are wanted. I have Stephanii¹⁴⁷ from you, I believe.

Do not forget some time about Peltolepis,¹⁴⁸ does not matter how small, as long as trustworthy, as I am reasonable sure I have it, but want material for comparison, as Dr[.] Conklin thought not.

Once I can settle down after the Scapanias are out of the way, you may expect to hear from me. Working season is on us now, but I usually manage to put Sundays aside.

Respect~~a~~ and Best Wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 7: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Canada, August 5, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada

Aug[ust] 5th 1934

F[ay] A[.] MacFadden
6126 Melvil St[reet]
Culver City
Calif[ornia]

What a life, what a dog's life, I get so damn disgusted I want to bite someone. I ought to have written long ago, but lacked ambition to do anything much, for things have not gone any too well, and I was so busy with the Scapania paper¹⁴⁹ that even yet I have not finished it, but as the essential parts are finished, and on paper, I am not worrying s[o] much over it.

Glad you got the N[ardia] scalaris var[ietas], it was not scant in the packet.

So far I have not put up anything else, but am waiting for an energetic fit to arrive, and start me on the way, as everything else is reading but the ambition. That was a nasty joke for fate to play on you, to go for an holiday, and collect the flue.¹⁵⁰ Flue is wretched because of it's after effects, it seems to always leave one depressed, as though the times were not

¹⁴⁵ Liverwort species of the Scapaniaceae family.

¹⁴⁶ Liverwort species of the Scapaniaceae family.

¹⁴⁷ Liverwort species of the Scapaniaceae family, described by Franz Stephani.

¹⁴⁸ Liverwort genus of the Cleveaceae family.

¹⁴⁹ Perhaps Alfred H. Brinkman, "Notes on Pacific Coast Hepatics," *Report of the Provincial Museum of Natural History of British Columbia* (for 1934; published 1935): 14; or "Some Notes on Grimmia," *Report of the Provincial Museum of Natural History of British Columbia* (for 1934; published 1935): 14–15.

¹⁵⁰ Influenza.

depressing enough already. Hope you manage to get part of the summer in collecting, for I am hoping to find some additions to the Hepatic Statr [sic] list among your gatherings[.]

Thanks for the Peltolepis. When I get round to the problem, it will help to decide; without a specimen for reference, I could not be sure. It may be that the plant I have in mind is something different yet. I do know that when going over the material I could not make it all as named.

I am very sorry to say that the drought, and the grasshoppers got to us also, and that this district is an extension of that of the States,¹⁵¹ so you may guess we are in for a poor time. I cut my oats to save them from the hoppers, and while they made fine greenfeed, it leaves me without oats, and the wheat, between the drought, the hoppers, and an exceptionally bad plague of gophers, is not likely to yield much over seed and feed. So I am pretty well short on ambition, and initiative, just completely fed up on it all. Afraid to spend even a few cents for stamps, compelled to go without literature, unable to pay dues to anything, wretchedly clothed; it sure does go hard against the grain. Still, there are others worse off, but I do not see that that helps me any, in my hard times. So I can understand how you, after the tough time you have had, and with the flue to help depress, are not feeling any "too chirpy" either.

One by one they go, Dr[.] Bailey,¹⁵² Mr[.] Plitt. We seem hard hit especially over the lichen men, as three have gone in a short span of years. I think I would suggest you write to S[everin] Rapp, who tells me that Mrs[.] Riddle,¹⁵³ wife of the late Prof[fesor]. Riddle,¹⁵⁴ is working over Riddle and Merrill[.]¹⁵⁵ material. Possibly he can tell you whether it is of any use trying to get in touch with her. Certainly I know of no one else among my acquaintances. So the dog was interested in the matter of the letter you wrote me, well, he at least did not leave it unfit to read.

You will understand that under circumstances I do not find it easy to write, or to study, yet study I must, if only to keep my hold on life, for there seems so very little worth living for, with one long drawn out continuous and unsuccessful struggle for an half decent living.

It seems so excessively stupid, with an abundance of the things that make life pleasant all around us, yet having to go without amidst the abundance, because what we have, and what others want from us, is worth too little to enable us to purchase the necessities of life with. Guess [George] Bernard Shaw¹⁵⁶ was right when he suggested that this earth is peopled with

¹⁵¹ United States of America.

¹⁵² John W. Bailey (1870–1933), U.S. physician and bryologist. See Melissa Fite Kuld, Sebastian Hoang, Vicente Ramos, and Chance James Sanford, eds., "Conversations of a Mossy Kind in the Pacific Northwest: John W. Bailey's Correspondences to Fay A. MacFadden (1921–1929)," *The Welebaethan: A Journal of History* 52 (2025): 216–240.

¹⁵³ Gertrude Hollister Riddle, née Paine (1878–1976), wife of Lincoln Ware Riddle.

¹⁵⁴ Lincoln Ware Riddle (1880–1921), U.S. botanist and lichenologist.

¹⁵⁵ Presumably Elmer Drew Merrill (1876–1956).

¹⁵⁶ George Bernard Shaw (1856–1950), Irish playwright.

imbeciles too excessively stupid to keep on the other planets.¹⁵⁷ , So they just fire them on to us, and they pose as great statesman, great bankers, great industrialists, etc[etera]. etc[etera]. Oh well, what's the use. Might as well take it [sic] with an attempt at a smile as we seem pretty helpless to cure the rotten mess.

Some time, when in a writing humour, please let me know how things are with you. I hope more cheerful than when you last wrote[.]

Respects and Best Wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 8: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, September 22, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics; all underlinings are by hand):]

Craigmyle, Al[ber]ta
Canada
Sep[tember] 22nd 1934

F[ay] A[.] MacFadden
6126 Melvil St[reet]
Culver City
Calif[ornia]

I was pleased to get your letter, and enclosures. I am treating of a few, but my eyes are not in very good shape just at present the result of worry and indifferent health, I think, rather than anything functionally wrong, anyhow, I am giving them a little rest, but am keeping only the *Platyphyllas*¹⁵⁸ unnamed.

9659. This is, I think, *Asterella Ludwigii*,¹⁵⁹ a plant you have gathered elsewhere. There is only one fragmentary perianth, so that it is *Asterella*,¹⁶⁰ and the surface has the thin walled cells of that species. I was not able to get a satisfactory ~~side~~ *slide* of sections, it was just that which suggested I give my eyes a little rest. If you have Clark¹⁶¹ and Frye's¹⁶² book,¹⁶³ and can make sections, it should be possible to verify by that, as other characters are right, but lacking good

¹⁵⁷ "The longer I live, the more firmly I am convinced that the other planets use our earth as their lunatic asylum." Quoted in, for example, *The Christian Century: An Udenominational Journal of Religion* 42, no. 28 (July 9, 1925): 893.

¹⁵⁸ Presumably *Porella platyphylla*, liverwort species of the Porellaceae family.

¹⁵⁹ Obsolete name for the liverwort species *Mannia gracilis*.

¹⁶⁰ Liverwort genus of the Aytoniaceae family.

¹⁶¹ Lois Clark (1884–1967), U.S. botanist, bryologist, and professor.

¹⁶² Theodore Christian Frye (1869–1962), U.S. bryologist and professor.

¹⁶³ Lois Clark and Theodore C. Frye, *The Liverworts of the Northwest* (University of Washington, Pudget sound biological station, Publications, 1928).

fruit, it is hard to determine otherwise. 9663 *Targionia hypophylla*. the characteristic perianth is present.

9660 B, I could not find spores, except mixed in tissue of plant, and so spore surface markings could not be certified, but the long seta, and the prevalence of the plant in California, suggests it as *Fossombronia longiseta*.¹⁶⁴ The fruit was too young, in perhaps two months, it would have ripe spores. With it is a small fragment of *Anthoceros Carolianus occidentalis*,¹⁶⁵ not quite characteristic, but with the spores of that species. If your part has not got it in, I will send the fragment to you it is well marked. 9664. *Calypogeia trichomanis*,¹⁶⁶ making an approach to *C[alypogeia] fissa*,¹⁶⁷ *Fossombronia*¹⁶⁸ sp[ecies], and *Pellia*¹⁶⁹ sp[ecies], fragment.

9660, *Fossombronia* sp[ecies]. It was this I examined most closely. It has anterids¹⁷⁰ and unripe capsules. The others I will work over later on, I expect some little difficulty with them.

Well, the grasshoppers, etc[etera], made a fairly good job of it here, so we are in for a difficult winter. But there it is. Of course it is very depressing, and reacts on the botanical work, besides cutting off the source of supplies for everything, but I have enough material on hand to do a lot of botanical work yet, so shall not need to stop that yet awhile.

It must have been very disappointing to have Mac¹⁷¹ leave, after only two weeks, but I guess work comes first in these difficult times, and of course it's cash rewards. Am glad you were please with report.

It is, of course, nice to find the work done appreciated, though I acknowledge the great help given all round.

You have got a pretty good impression about the work, for I do feel that it is up to me to do work within the limits of my powers, in return for the help so generously given to me during many years by other workers, and I, of course, hope it is of sufficient merit to be worth quoting. I find I have lost the list I made of Hepatics wanted by you, for last week I went over the terrible mess of correspondence, etc[etera], and straightened things out a bit, but failed to find the marked list. Some time later on, when you find the opportunity, you might mark off by a -, those plants you are lacking, and when I can rouse up a little ambition, I will get busy on some of the plants long owing you.

I am enclosing a description of 8936, the plant I tentatively name *Jungermannia riparia* forma,¹⁷² but doubted. Recently I had a specimen sent me by Mrs[.] Sutcliffe¹⁷³ of a plant

¹⁶⁴ Liverwort species of the Fossombroniaceae family.

¹⁶⁵ Hornwort species of the Notothyladaceae family.

¹⁶⁶ Obsolete name for the liverwort species *Calypogeia azurea* or *muelleriana*.

¹⁶⁷ Liverwort species of the Calypogeiaceae family.

¹⁶⁸ Liverwort genus of the Fossombroniaceae family.

¹⁶⁹ Liverwort genus of the Pelliaceae family.

¹⁷⁰ Male reproductive organs in certain plants, including ferns and mosses.

¹⁷¹ Likely a nickname for Fay's husband Joel (MacFadden).

¹⁷² Liverwort species of the Jungermanniaceae family.

¹⁷³ Alys Sutcliffe (1895–1969), horticulturist at the Brooklyn Botanic Garden.

suggested as J[ungermannia] Schiffneri¹⁷⁴ by Dr[.] Evans some 10 years ago, or else a new species. Unfortunately it was not in fruit, so it was not possible to be quite sure, but as far as I could make it out, by careful comparison of vegetative structure, it was th[e] same as yours.

It seems reasonably safe to suggest it as a new species. How would you like to try you hand at describing it.

P[lease] T[urn] O[ver]

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

I am assuming you have and use a microscope, and have access to Macvicars¹⁷⁵ handbook of British Hepatics.¹⁷⁶

The original is the second examination, the copy is a copy of the first. They differ but very little, examination showed some of the bracts as large as 1.1 mm [millimeter], and description was emended, but it did not mention, that the lower leaves were as little as .35 mm, or the plentiful rhizoids, neither did it add the male bracts.

If you care to undertake this, you have these descriptions to go by, and verify, then you can compare with J[ungermannia] riparia,¹⁷⁷ pumila,¹⁷⁸ Schiffneri, which seem the only three likely to be confused, though reference can be made to J[ungermannia] atrovirens.¹⁷⁹ J[ungermannia] Schiffneri, with dimorphous¹⁸⁰ leaves, broader than long on fruiting plants, & *definitely narrower than long on infertile branches* and perianth suddenly beaked, not long attenuated, as is this; J[ungermannia] riparia with rather more suddenly contracted perianth, diocious [dioecious],¹⁸¹ leaves not so sharply narrowed at [the] base, narrower in comparison, and with larger cells, J[ungermannia] pumila would have to be examined too, so there is a nice interesting littel [sic] job, if you feel inclined to tackle it, but it means careful comparison, so that you can make the descriptions and notes your own. If you have no J[ungermannia] Schiffneri, I can send you a little of mine, I have recently hunted up among the awful accumulation in this room. Then there is a Latin description, as brief as possible, as long as it covers the salient facts, which should at least include those parts ticked off. If Miss Brown,¹⁸² (or was it Mrs[.], I really forget, though I remember seeing her at Banff) can do it, so can you, and get broke in to it. Have recently been working over a very puzzling plant, which I can only make a form of S[capania] cordifolia. I send you a fragment. It reopens the question of

¹⁷⁴ Liverwort species of the Jungermanniaceae family, described by Victor Félix Schiffner.

¹⁷⁵ Symers Douglas Macdonald Macvicar (1857–1932), Scottish botanist.

¹⁷⁶ Symers D. M. Macvicar, *The Student's Handbook of British Hepatics* (V. T. Sumfield, 1912).

¹⁷⁷ Liverwort species (a.k.a. Jungermannia atrovirens) of the Jungermanniaceae family.

¹⁷⁸ Liverwort species of the Jungermanniaceae family.

¹⁷⁹ Liverwort species of the Jungermanniaceae family.

¹⁸⁰ Occurring in two distinct shapes.

¹⁸¹ With male and female reproductive parts on different plants.

¹⁸² Margaret Sibella Brown (1866–1961), Canadian bryologist.

J[ungermannia] cordifolia,¹⁸³ which I had hoped I had finished with. Also a little S[capania] subalpina¹⁸⁴ closely approaching S[capania] intermedia.¹⁸⁵ These happen to be close at hand.

This is all for the present, so adieu
Respectfully and sincerely Yours
A[lfred] H[enry] Brinkman

*Edition No. 9: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, November 11, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics; all underlinings are by hand):]

Craigmyle, Al[ber]ta
Canada
Nov[ember] 11th 1934

F[ay] A[.] MacFadden
6126 Melvil St[reet]
Culver City
Calif[ornia]
U S A

No[.] 9662 B Porella navicularis¹⁸⁶
9662 [ditto marks]
9661 [Porella] Cordeana,¹⁸⁷ depauperate¹⁸⁸
9665 [Porella] Cordeana
9666 [ditto mark]
9667 [ditto mark]

There seems no Roelli or Bolanderi among the lot.

I have used the following characters for Cordeana

Thin cell walls, small recurved ventral¹⁸⁹ lobe, distant underleaves, green, dull and for navicularis, larger rounded ventral lobe, imbricated underleaves, large, trigones, shining, and at base of antical lobe, an area of distinctly smaller cells. There is a range of variation among the Cordeana, but I do not think any will go elsewhere. I had half expected to hear from you,

¹⁸³ Liverwort species (a.k.a. Jungermannia exsertifolia subspecies cordifolia) of the Jungermanniaceae family.

¹⁸⁴ Liverwort species of the Scapaniaceae family.

¹⁸⁵ Liverwort species (a.k.a. Scapania undulata) of the Scapaniaceae family.

¹⁸⁶ Liverwort species of the Porellaceae family.

¹⁸⁷ Liverwort species of the Porellaceae family.

¹⁸⁸ Undeveloped, stunted.

¹⁸⁹ Designating the lower or inner surface of a structure.

about the *Jungermannia*,¹⁹⁰ and as Mrs[.] Sutcliffe had written me, I was waiting till I heard from you before answering her.

Briefly, a plant put by for some years, and tentatively suggested by Evans as *Schiffneri*¹⁹¹ or new, was sent me by her, on the supposition it might be the same species as yours. It proved to be without perianths, but the vegetative characters were so similar to your plant, that I could only suggest it as probably the same species. ~~She~~ She also tells me Howell¹⁹² has gathered it this year, but I have not seen the specimen.

I am writing her suggesting she write you, to see what you are doing, and if you are publishing, that you add her notes on her two gatherings, if both you and she are agreed that it is the same species. That will obviate making two separate series of notes.

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

Well, I am threshed, 178 bushels of wheat, so you can imagine the sort of year there is before me. It has come to the point where I am suggesting a composition to my creditors, as there is no chance of a payment in full, or anything near it. Not a pleasant record after 26 years of work here, is it. So you will understand it has been, and is a worrying time with me. However, I shall soon settle down to botanical work, if only to get my mind off things here. But being in that unsettled frame of mind does not help botany any, especially as I want to continue the critical work on the *Scapanias*. Should I hear from Mrs[.] Sutcliffe re[garding] the *Jungermannia*, I will probably get in touch with you, unless the letter indicates that she has done so in this matter.

We are having a lovely fall, so that outdoor work is a pleasure. Usually we have pretty cold weather at this time of year. There are always a million and seventeen things to do before winter, but quite a number of them are done. We run short on vegetables, but were able to work out relief enough to get a good supply. It is going to be rough on clothing, but I think I can get in touch with those who will help, as far as possible.

Just at present I feel too gloomy to write a pleasant letter, so you will please excuse the atmosphere of this. Hope you and yours are in good health and spirits, and the provider in steady work, with, I hope, a sufficiency of the necessary.

Best Wishes

Yours Sincerely

A[lfred] H[enry] *Brinkman*

¹⁹⁰ Liverwort genus of the *Jungermanniaceae* family.

¹⁹¹ Liverwort species of the *Jungermanniaceae* family, described by Victor Félix Schiffner.

¹⁹² John Thomas Howell (1903–1994), U.S. botanist and taxonomist.

*Edition No. 10: Alfred H. Brinkman to Fay A. MacFadden
 Craigmyle, Alberta, December 10, 1934.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
 Canada
 Dec[ember] 10th 1934

F[ay] A[.] MacFadden
 6126 Melvil St[reet]
 Culver City
 Cal[ifornia]

I went over my mosses hunting out Grimmiaceae,¹⁹³ to solve a puzzle, and enclose fragments of a few. *Tayloria splachnoides*¹⁹⁴ was in such small quantity that it would not admit of sharing. Most of my 1908 material is decidedly scanty, the bulk finding its way to Macoun.¹⁹⁵ However, the material sent will fill a gap, till better specimens come your way. Also I enclose a fresh *Grimmia*, *Grimmia subgracillanervis*, kindb[erg].¹⁹⁶ It is not shown by Macoun, or Jones.¹⁹⁷ Just a very small fragment, as my own material is decidedly scanty, but there was no possibility of your getting it elsewhere. It belongs to the pleio-neuron group.¹⁹⁸ By the way, were you able to get the books of Jones¹⁹⁹ and Grout.²⁰⁰ Unfortunately I have not been able to afford Grout's book,²⁰¹ or his list,²⁰² much to my disgust. But Jones was very good, and sent me on a copy, which I am enjoying. I got a list of *Brachythecium*s²⁰³ from Wyoming²⁰⁴ (Porter)²⁰⁵ and that set me looking up records. I hunted over your published list in Museum report,²⁰⁶ then added my own, and together it made a very goodly total. Some of your finds I have not got, and the same is probably true in your case with mine. I found that your *Grimmia ambigua*²⁰⁷ was not recorded, as it is not shown for B[ritish] C[olumbia], also

¹⁹³ Moss genus of the Grimmiaceae family.

¹⁹⁴ Moss species of the Splachnaceae family.

¹⁹⁵ John Macoun (1831–1920), Canadian botanist.

¹⁹⁶ Obsolete name for a rock moss of the Grimmiaceae family, described by Nils Conrad Kindberg.

¹⁹⁷ Marcus Eugene Jones (1852–1934), U.S. geologist, mining engineer, and botanist.

¹⁹⁸ Perhaps a reference to marsh ferns of the Thelypteridaceae family.

¹⁹⁹ Likely a reference to Marcus E. Jones, *Revision of North-American species of Astragalus* (by the author, 1923).

²⁰⁰ Abel Joel Grout (1867–1947), U.S. bryologist.

²⁰¹ Likely a reference to Abel J. Grout, *Moss Flora of North America, North of Mexico*, 2 vols. (by the author, 1928–1933).

²⁰² Perhaps a reference to Abel J. Grout, *Mosses with Hand-Lens and Microscope* (by the author, 1903).

²⁰³ Moss genus of the Brachytheciaceae family.

²⁰⁴ U.S. state in the Mountain West.

²⁰⁵ Perhaps Cedric Lambert Porter (1905–2000), U.S. botanist, in Wyoming since 1929.

²⁰⁶ Likely a reference to Fay A. MacFadden, "Hepaticae of the Selkirk and Rocky Mountains of Canada," *Report of the Provincial Museum of Natural History of British Columbia* (for 1925; published 1927): 28–32.

²⁰⁷ Moss species of the Grimmiaceae family.

Pennsylvanica,²⁰⁸ and anomala.²⁰⁹ G[rimmia] ambigua is shown as apocarpa var[ietas] ambigua²¹⁰ by Jones, G[rimmia] anomala is shown as G[rimmia] Martmani, var[ietas] anomala,²¹¹ and G[rimmia] pensilvanica as G[rimmia] pilifera.²¹² The latter would be a notable extension. I have not got Ambigua or Pensylvanica among my material.

They are as follows

9806 Kantia trichomanis²¹³

9778 Anthoceros fusiformis²¹⁴

9779 A[nthoceros] fusiformis plus Blasia²¹⁵

9777 A[nthoceros] fusiformis²¹⁶

9780 Porella rivularis²¹⁷

9789 Do not think an hepatic:

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

I believe I got your lists at last. When hunting up the moss desiderata²¹⁸ I found an Hepatic list there also, so I expect it is your desiderata, so do not trouble further. When next writing will you please tell me whether Stenholm²¹⁹ takes Lichens, if so, when I am at yours, I will put him up some also, and ask for mosses or Hepatics in exchange. A desire from Michigan²²⁰ is expressed for exchange, so I shall probably get busy at last, in very shame.

Re[garding] description of N[ew?] Sp[ecies?]. I think I will give Mrs[.] Sutcliffe the offer, as it is a Californian species, and she has gathered what seems to be the same species, also Mr[.] Howell. That deals with most.

I think you were wise not to tackle the Jungermannia if you had not got a pretty good working acquaintance with the group, though I could have gone over the material when written. As a matter of fact, I do not think we can tackle too wide a ground and tackle it closely, that is my belief at least. It requires so minute a study to specialize, that any wide ground is impossible unless one has one's whole time to give to ti [sic], and a

²⁰⁸ Obsolete name for the moss species Grimmia pilifera.

²⁰⁹ Moss species of the Grimmiaceae family.

²¹⁰ Moss species of the Grimmiaceae family.

²¹¹ Moss species of the Grimmiaceae family.

²¹² Moss species of the Grimmiaceae family.

²¹³ Obsolete name for the liverwort species Calypogeia trichomanis (with pencil mark).

²¹⁴ Hornwort species of the Anthocerotaceae family.

²¹⁵ Hornwort species of the Anthocerotaceae family in endophytic symbiosis with the liverwort species Blasia pusilla of the Blasiaceae family (with pencil mark).

²¹⁶ With pencil mark.

²¹⁷ Obsolete name for the liverwort species Porella cordaeana.

²¹⁸ Latin term, meaning "things wanted."

²¹⁹ Carl Stenholm (1862–1939), Swedish botanist.

²²⁰ U.S. state in the Upper Midwest.

[page 3; text, typewritten (handwritten additions and corrections appear in italics):]

very much larger literature than I possess. I will keep you in touch with it, anyhow. I see, you are like me, trusting to your eyes to show you the small differences in habit and colour of a specimen, and to your memory to repeat, when you have gained knowledge of the specific name. Wonderful how many plants one can come to know that way.

Your remarks re[garding] grasses are interesting. It is a pity I do not live somewhere near, we could then have gone over the grasses and place them with a tolerable amount of accuracy. I spent a number of years tackling the grasses here, and had the great help of Hitchcock,²²¹ and Rydberg earlier. So that there are very few Albertan grasses with which I am not well acquainted. when the time comes to study the Hepatics, you should be well prepared, for you must have by now quite a fine collection of them. Your weed garden is interesting, 1 out of 40 native is pretty good, and itself makes a good lesson. Mac²²² with his 4 jobs in 18 months may seem worrying to him and to you, but there seems another way to look at it, just try and think what the calibre of a man must be who can land 4 jobs in 18 months of such times as these, there can be nothing wrong with such a man, at least in the direction of work.

Hope the Wheelers get to California, they seem to enjoy their stay there so fully, and the old boss has my affection.

Well, will quit, with the seasons wishes for an happy time for you all

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 11: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, January 22, 1935.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Jan[uary] 22nd 1935

F[ay] A[.] MacFadden

6126 Melvil St[reet]

Culver City

Cal[ifornia]

²²¹ Albert Spear Hitchcock (1865–1935), U.S. botanist.

²²² Likely a nickname for Fay's husband Joel (MacFadden).

By this mail I am sending a parcel of mosses and Lichens. They are finished at last. The method used was, where only one duplicate was available, you had it, and in a few cases, where my own material was sufficient, I shared it. The Lichens are extra, part payment for plants received. That leaves two boxes of mosses and one of Hepatics to go over when time is available, besides some 3 or 4 boxes of plants, but time is hardly likely to be available this winter, as I am behind already with so much of my other work.

Can you give me Stenholm's address, when you write. I seem to have mislaid it, also when you write, if you know, please say if Stenholm accepts lichens,. I have a parcel put up for him, but shall not send till I hear from him.

Just at present have a nice little bunch of troubles. Wife²²³ went into hospital for a change, but am glad to say, she is out, though not home, and much better, then there are something like bankruptcy proceedings, and out of it I shall emerge minus some land. But if the debts are cut down sufficiently I do not know that I shall worry unduly. Hope all is going well with you.

Weather here damnable. Over a month now of cold weather, mostly sub-zero, said to have been as low as 50 below. And no sign of let up. What a country.

For the time adieu, with best wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 12: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, April 21, 1935.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Ap[ri]l 21st 1935

F[ay] A[.] MacFadden

6126 Melvil St[reet]

Culver ~~St~~ [City]

Cal[ifornia]

I thank you for your letter of 30th ult[im]o [mense].²²⁴ I am glad you found the mosses and lichens satisfactory.

The parcel of mosses and paper came to hand in due course. All very acceptable. It was a kindly thought on on your part to enclose the paper. I sure do seem to get rid of a lot of paper, and I expect the same is your experience. Wrote an~~e~~ article on drifting soil, with 6

²²³ Ada Brinkman, née Rowe (1874–1975), married to Alfred H. Brinkman since 1899.

²²⁴ Latin for "of the last month." Here referring to March 30, 1935.

copies, and it took over 100 sheets of paper.²²⁵ Thank goodness however that this is a rare experience.

No, I have not received any flowers or mosses of 1934 gatherings, till receipt of mosses recently. only Hepatics. Am very glad to hear that the good man²²⁶ of the house has a permanency, it will be a great relief after the uncertainty of recent years. Hope it is found satisfactory all round. That will mean some more B[ritish] C[olumbia] gatherings in due course, I expect. Well, there is plenty of room for additions, and you are pretty certain to find some interesting things. How many times I have wished that I had the chance to rework the Selkirks,²²⁷ so rich did I find it that I am certain that very many fine additions are there for the gathering.

You did not include Stenholms address, and I have mislaid it, so please give it to me, if at all handy. I seem to remember it as Gotenborg,²²⁸ but I may easily be wrong, and prefer to be sure, if possible.

I heard from Mr[.] Wheeler not long ago, before their journey home, and I thought he seemed to have got less satisfaction than usual from his Californian holiday, though that may have been either the weather, or something outside California. Probably the latter, as you speak of them as being "in the pink of condition". U S A sure is getting a very full share of agricultural diasaster,²²⁹ and it must be heartbreaking. We here seem to think we have more than our fair share, but at least, we have enough soil left to continue farming with some prospect of satisfactory returns, if ever prices and weather coincide to help us along a bit. Certainly farming is a terrible gamble for many of us. By now you are well on the way with your desert holiday, and I hope are finding very many things of interest. What a change it would be to me to be amidst such surroundings, with nearly everything new to me.

I quite recently heard from ~~M~~ Dr. A[.] S[.] Hitchcock, and he tells me the proof reading is over, and the material in the printing room, so that the issue of the U S Grass Flora²³⁰ should not be long delayed. He has handled my grasses for years, does so still, to my very great advantage, so I look forward to it's issue. Like you, I wish for so many books, that I feel very hopeless about ever even remotely catching up with my literature wants.

By the way, Jephson's²³¹ Flora of California, Part 3²³² contains what strikes me as a very full list of Californian grasses, over 100 pages, probably well over 400 species and var[ietie]s, that should be the grass book for you to get. Issued 1912, Dep[artmen]t of Botany, University of

²²⁵ Perhaps Alfred H. Brinkman, "Mosses in Relation to Cajander Theory of Forest Types," *Forest Chronicle* 12 (1936): 300–314.

²²⁶ Fay's husband Joel.

²²⁷ Mountain range in the southeastern part of the Canadian province of British Columbia, the northern part of the U.S. state of Idaho, and the northeastern part of the U.S. state of Washington.

²²⁸ Gothenburg (Göteborg), city in southwestern Sweden.

²²⁹ This was the peak of the Dust Bowl, a severe drought in the U.S. prairies.

²³⁰ Albert S. Hitchcock, *Manual of the Grasses of the United States* (U.S. Department of Agriculture, 1935).

²³¹ Willis Linn Jepson (1867–1946), U.S. botanist, professor, and conservationist.

²³² Willis L. Jepson, *A Flora of California*, vol. 3 (Associated Students Store, University of California, 1912).

California.²³³ Rich in Phalaris, Aristida, Stipa, Agrostis, Calamagrostis, Bouteloua, Melica, Agropyron, Bromus, very rich in "~~Poa~~ Poa and Festuca.²³⁴ 72 Genera, Price \$1.50, well worth having.

Well, my case of debt composition is over, not as satisfactory as I had hoped, but still a fighting chance. Hoped that it might have been sufficiently good to reinstate some amount of ambition, but it was not so. A very late spring, thank goodness, for all seed and feed has to be supplied to me by Government, which means a great lot of hauling, and much delay. Some home, but more yet to come. But it does mean more than usual moisture so far, not so much blowing and perhaps a better than usual chance for a crop. For the time adieu, hoping and expecting to hear from you later on, with a few *Hepatics*, for if the desert can grow flowers, it can also grow *Hepatics*.

For the time being, adieu, with many thanks for your kindly thoughts, and the ~~also~~ kindly gift

Yours Sincerely

A[lfred] H[enry] Brinkman

*Had some interesting correspondence with Dr. Grout recently over *Grimmias* & *Brachythecium*s*

Edition No. 13: Alfred H. Brinkman to Fay A. MacFadden

Craigmyle, Alberta, June 28, 1935.

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

June 28th 1935

F[ay] A[.] MacFadden

6126 Melvil St[reet]

Culver City

Cal[ifornia]

I thank you for the parcel of flowering plants. Also for the grasses and Carices enclosed. They are fine.

They bring home the same tale as before, the differences in the flowering plants, southern apparently, and the likeness in the grasses, apparently western. There are two or three I want to study, they seem different. Also some unknown to me hitherto. Thank you for the whole collection. They leave me in your debt heavier than ever. I at last managed to hunt up the address of Stenholm, and have got a latter [sic] off to him. When once a letter gets misplaced or forgotten, it gets pretty hopeless, until I have a clear up. Did you by any means keep lists

²³³ University in Berkeley, California, established in 1868. Its Department of Botany was established in 1890.

²³⁴ Phalaris, Aristida, Stipa, Agrostis, Calamagrostis, Bouteloua, Melica, Agropyron, Bromus, Poa, and Festuca are grass genera of the Poaceae family.

of your own gatherings of flowering plants. I have made up my mind it is time to get together a list of the flowering plants of Alberta, and want to get on the traces of lists, and if you have kept lists of the Albertan gatherings, it ~~h~~would be helpful, as recent collections are more valuable, less likely to have been revised. While my own list is over 1000, there must be many others, if I can get on the track of them. Co-operation is promised elsewhere, so I hope the final result may be acceptable. It must be summer work mostly, for me, as I must reserve the winter for Hepatics mostly. I suppose by now, you are gathering the loose ends together,

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

preparatory to the trip Northward, which I hope will be thoroughly enjoyable for all concerned. I expect you will not be botanically inactive while there either.

We got rather promising weather here, lots of rain to start things on the way but nature is not too prodigal, so sent along a few wind storms, to ~~partly~~ destroy the results of her prodigality. Also the hoppers are pretty bad, and gophers are more numerous than ever, despite poisoning. Still, we may easily get seed and feed, and that will be a great improvement on last year, while there are still quite good chances for a fair [sic] crop.

Glad to say I am feeling better in myself lately, and more mentally alive, or acute. The worry left me feeling pretty rotten all round.

Well, here is best wishes for a real good time, for you and yours

Yours Sincerely

A[lfred] H[enry] Brinkman

I see Mrs[.] Chase²³⁵ has been busy on your grasses, that should add to their value. The California list is an extensive one, so there are lots to find. Salix Go[o]ddingii²³⁶ seems little different from the sandbar willow, which is a variable species with many forms.

A[lfred] B[rinkman]

Edition No. 14: Alfred H. Brinkman to Fay A. MacFadden

Craigmyle, Alberta, January 9, 1937.

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

Jan[uary] 9th 1937

Dear Mrs[.] MacFadden: -

²³⁵ Mary Agnes Chase (1869–1963), U.S. botanist.

²³⁶ Willow species of the Salicaceae family.

I thank you for your kindly letter of 17th ult[im]o [mense], and for the kind wishes expressed. This has been an extremely difficult year for me, we got no crop, so you can imagine how things must be. One wonders what the end must be, after so many years struggle.

Yes, please send on Hepatics, I shall be interested.

I think I can understand your feeling with the botanical work, for I also have had a fit of inertia, I have by my side a box of duplicate hepatics, they have been there a year, ready to put up and send off, but somehow I cannot get to the starting point. True, have not been entirely ~~idle~~, idle, for other botanical work has had precedence, but if things had gone better I am sure I should have had that particular job done long ago, and to that extent have paid off part of my debt to you and others.

Gosh, digging two feet, and over 60 sacks of leaf mould, you must be keen on gardening, and I can hope the results justify the pains taken I can imagine that with a scarcity of rain, collecting was not so good. I was fortunate enough to get out three times, through the kindness of a neighbour who was interested, and I really think he enjoyed the trips as much as I did. Met a lot of old plant friends quite unexpectedly, or in other words I found a Parkland flora on the N[orth] face of the handhills,²³⁷ almost touching the very bald prairie. It must indeed have been a pleasure to have a visit from Dr[.] Verdoorn,²³⁸ one that you must have thoroughly enjoyed. He wrote me ~~asking~~ asking for a set of the originals in an exsiccata²³⁹ of Hepatics, I had to answ[e]r they were not available, but offered a complete sets of spare duplicate material in return for literature. Have not heard from him, and may not. I wrote to Mr[.] & Mrs[.] Wheeler recently[,] asking them to remember me to you. Mr[.] Wheeler is not rolling in riches, judging from his letters, always enjoyed by me. Yes it is heartbreaking to be hit by drought so often, and then have the grasshoppers eat off what little did remain after the drought had taken its toll. Like you, we were blessed in the matter of fall and early winter weather. It sure was appreciated. Helped tremendously with the stock, and also, incidentally, agreed well with me. But recently we had a cold spell, to 35 below. Just now it is around zero, not at all too bad. You must think me a laggard, but will not be altogether surprised when you hear how things have been with me, I expect. Well, I hope you have nothing but good news to tell of things material, that your good man²⁴⁰ has been continuously employed at good salary, and the children so full of health as to be somewhat of a problem to you. Except ~~of~~ for a very trying bout of rheumatism,²⁴¹ I am feeling well, while it lasted, it laid me by the heels. Things could be worse, but I feel bitter at times. Luckily botany does help me tremendously in times like these.

²³⁷ Range of hills in Alberta, Canada.

²³⁸ Frans Verdoorn (1906–1984), Dutch botanist.

²³⁹ Consecutively numbered collection of dried herbarium specimens.

²⁴⁰ Fay's husband Joel.

²⁴¹ Medical condition causing pain affecting the joints or connective tissue.

Had a nice compliment paid me, was told that if Canada could find the finance they would be glad to have *me* at the Smithsonian²⁴² to write an handbook of grasses of N[orth] of 49.²⁴³ Whether anything will matrialize [sic] I know not, but within my little sphere I am doing what I can to get the idea through, but not building too greatly on the result. I have been disappointed so often that I hardly dare even hope.

Well, heres wishing you and yours a full measure of happiness during the coming year

Sincerely Yours

A[lfred] H[enry] Brinkman

Edition No. 15: Alfred H. Brinkman to Fay A. MacFadden

Craigmyle, Alberta, September 18, 1937.

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

Sep[tember] 18th 1937

Dear Mrs[.] MacFadden: -

Just a few lines to ask questions.

First, I hope your were able to collect plentifully. To me here, you seemed to have in California an ideal collecting season, plenty of spring rains, which seems the ideal condition for Californian plants, so I am hoping in due course to handle some more finds in the Hepatic line.

Well, at last I have made a beginning on the Hepatics. Only a beginning, but enough to suggest that perhaps they will be finished and got out of the way as time permits. It is not doing much permitting at present, for my daughter²⁴⁴ is with us for a month, and a paper on the floral districts of Alberta is consuming a terrible amount of time in studies not forseen when started. However, I know from experience that the start is the worst part. But now I forget just what *Hepatics* I have sent you. Did I send you any of Holzinger's,²⁴⁵ I seem to remember that I did, but am not sure. Also I am reasonably sure I sent you spare specimens of the *Slave Lake*²⁴⁶ collections, so please refurbish my memory by letting me know if these were received by you.

Also can you let me know a few of the numbers of the last lot of mosses sent you. I have two boxes of duplicates, one of which was dealt with, but not the other, and for the life of me I cannot remember which I did deal with. So if you can give me a few of the numbers, it will

²⁴² Group of Research and educational institutions, established in 1846 by the U.S. federal government.

²⁴³ The 49th parallel north forms most of the international border between the United States and Canada.

²⁴⁴ Either Ada Louisa Grace Crowley, née Brinkman (1900–1987), or Violet Emily Foster, née Brinkman (1903–1981). The Brinkmans' third child was a son, Alfred Theodore "Alfie" Brinkman (1914–1985).

²⁴⁵ John Michael Holzinger (1853–1929), German-born U.S. bryologist.

²⁴⁶ Town in the central part of the Canadian province of Alberta.

put me right, ready for the time when I am able to get at them. Another year of failure, with all the consequences that go with failure, and I am very tired of it all. Still, there seems nothing I can do about it, except just go on.

I hope you can tell me that the good man²⁴⁷ is still in the position last mentioned, and improving his position, and that things generally with you are good. Mr[.] Wheeler has his son, with the family, with him, so is generally happy, I expect. I do not know how long Oliver is home for, but I think he is probably at Shushwap Lake²⁴⁸ with his dad, as he, like me, retains an affection for the place. Mrs[.] Mackenzie²⁴⁹ is continuing your work, with success. Found *Diplophyllum plicatum*.²⁵⁰ I must try and spare a stem or two. Also an interesting form of *Scapania intermedia*. By the way, at last Dr[.] Evans agrees that the B[ritish] C[olumbia] record of *S[capania] Evansii*²⁵¹ will not stand up, and is, as pointed out by me, *S[capania] intermedia*. Now he wants to swing to the other extreme, and deny validity to *S[capania] Evansii*. No chance to get out this year, so no collections, outside some interesting willows I was watching, and a few goldenrods. By the way, the Ottawa²⁵² people publish a paper on Golden rods that is worth writing for.

Please at your leisure let me have the information asked for

Best Wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

Did I even send you any Slave Lake mosses, and any Sphagnums.²⁵³ I have quantities of both, but cannot remember if I sent any duplicates out of either[.]

*Edition No. 16: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, January 5, 1941.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

Jan[uary] 5th 1941

Dear Mrs[.] MacFadden: -

Here are the records up to date, I believe I have overlooked noting two or three numbers, if so, when going over them again to put them in order, I will report on them. Two of the

²⁴⁷ Fay's husband Joel.

²⁴⁸ Shuswap Lake, lake in the southern part of the Canadian province of British Columbia.

²⁴⁹ Elizabeth Constance Mackenzie (1875–1949), Canadian bryologist.

²⁵⁰ Liverwort species of the Scapaniaceae family.

²⁵¹ Liverwort species (a.k.a. *Scapania nemorea*) of the Scapaniaceae family.

²⁵² National capital city in the southeastern part of the Canadian province of Ontario.

²⁵³ Moss genus of the Sphagnaceae family.

numbers are 17854 & 17855, One or both are [are] *Ptilidium ciliare*,²⁵⁴ I feel sure from memory, anyhow, you will hear later on.

8183 *Anthoceros fusiformis* forma

17354 [ditto marks] *fusiformis* forma

I compared with good [c]arolianum,²⁵⁵ and that had the sproes [spores] decidedly yellow, while these were dark spored, still, there remains a doubt in my mind, as the spore case has not the numerous stomata²⁵⁶ usual in *fusiformis*.

17362 Possibly *Anthoceros laevis*,²⁵⁷ but uncertain.

Scapania curta,²⁵⁸ across the lake from New Denver²⁵⁹ is *Scapania mucronata*²⁶⁰ and a few stems and perianths of *Cephalozia serriflora*,²⁶¹ and a few scraps of others[.]

Diplophyllum apiculatum,²⁶² sandon Road,²⁶³ New Denver June 31 1924 is *Diplophyllum taxifolium* forma,²⁶⁴ with some apiculate²⁶⁵ serrated leaves. This species varies a lot.

17853 *Sphenolobus minutus* [forma,²⁶⁶ possibly by a new variety, with very broad ventricose²⁶⁷ obtuse lobed leaves.

*Cephalozia pleniceps*²⁶⁸

Lepidozia trochoclados forma²⁶⁹

Cephaloxiella ? *Starkii*²⁷⁰

Jungermannia sphaerocarpa

*Lophozia Lyoni*²⁷¹ depauperate

[ditto marks] unknown, small fragments

17856 *Lophozia Hatcheri* depauperate

17857 *Ptilidium ciliare*

17858 *Scapania curta*

*Lophozia*²⁷² unknown, seems to h[a]ve underleaves, but not fit group *Leiocolea*²⁷³

²⁵⁴ Liverwort species of the Ptilidiaceae family.

²⁵⁵ Presumably *Anthoceros carolinianum* (a.k.a. *Phaeoceros carolinianus*), hornwort species of the Notothyladaceae family.

²⁵⁶ Pores found in the epidermis of leaves, stems, and other organs.

²⁵⁷ Obsolete name for the hornwort species *Phaeoceros laevis*.

²⁵⁸ Liverwort species of the Scapaniaceae family.

²⁵⁹ Village in the southeastern part of the Canadian province of British Columbia.

²⁶⁰ Liverwort species of the Scapaniaceae family.

²⁶¹ Liverwort species of the Cephaloziaceae family.

²⁶² Liverwort species of the Scapaniaceae family.

²⁶³ Hiking trail in New Denver, British Columbia, Canada.

²⁶⁴ Variant of a liverwort species of the Scapaniaceae family.

²⁶⁵ Related to the uppermost tip.

²⁶⁶ Liverwort species of the Anastrophyllaceae family.

²⁶⁷ Swollen.

²⁶⁸ Liverwort species of the Cephaloziaceae family.

²⁶⁹ Obsolete name of the liverwort species *Kurzia trichoclados*.

²⁷⁰ Obsolete name of the liverwort species *Cephaloxiella divaricata*.

²⁷¹ Obsolete name for the liverwort species *Trilophozia quinquedentata*.

²⁷² Liverwort genus of the Lophoziaceae family.

²⁷³ Liverwort genus of the Lophoziaceae family.

17859 Lophozia porphyroleuca

Jungermannia sphaerocarpa

Scapania curta, stem or two

17862 Ptilidium Californicum²⁷⁴ *The two I have named Ptilidium Californicum, while not quite typical, seem to fit there best, I have found it in B[ritish] C[olumbia]*

Lophozia lycopodioides²⁷⁵

Scapania undulata forma (toothed and colored)

17860 Diplophyllum incurvum²⁷⁶ *This is should call [sic] your most interesting find*

Lophozia ventricosa

Cephalozia pleniceps

[ditto marks] unknown

17863 Blepharastoma tricophyllum²⁷⁷

Jungermannia sphaerocarpa Both depauperate

17864 Diplophyllum incurvum

17865 Blepharastoma tricophyllum

Jungermannia sphaerocarpa

17866 Mannia fragrans²⁷⁸

17867 Cephaloziella²⁷⁹ ? see 17905

17868 Calypoegeia Neesiana²⁸⁰

Lophozia ventricosa

Blepharastoma tricophyllum

17869 Could find no Hepatic

~~QUUP~~ Scapania subalpina

17870 Calypoegeia trichomanis

Lophocolea minor²⁸¹ all three 17870

17871 Porella navicularis

17872 Mannia fragrans

17873 Lophozia confertifolia²⁸²

17874 Mannia pilosa²⁸³ or new has abundant hyaline scales almost hiding thallus²⁸⁴

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

17875 Lophozia ventricosa

17876 Lophozia ventricosa

²⁷⁴ Liverwort species of the Ptilidiaceae family.

²⁷⁵ Liverwort species of the Lophoziaceae family.

²⁷⁶ Obsolete name for the liverwort species Scapania gymnostomophila.

²⁷⁷ Liverwort species of the Blepharostomataceae family.

²⁷⁸ Liverwort species of the Aytoniaceae family.

²⁷⁹ Liverwort genus of the Cephaloziellaceae family.

²⁸⁰ Liverwort species of the Calypogeiaceae family.

²⁸¹ Liverwort species of the Lophocoleaceae family.

²⁸² Obsolete name for the liverwort species Lophozia ventricosa.

²⁸³ Liverwort species of the Aytoniaceae family.

²⁸⁴ Latinized Greek term, meaning "green shoot."

- 17877 Porella Roellii²⁸⁵
17878 Porella Roellii
17879 Lophozia lycopodioides
17880 Lophozia lycopodioides
17881 Lophozia Floerkii²⁸⁶
17882 Sphenolobus minitus approaching var[ietas] cuspidatus²⁸⁷
 Bazzania tricrenata²⁸⁸ fragment
17883 Sphenolobus minitus approaching var[ietas] cuspidatus
 Bazzania tricrenata depauperate
17884 Scapania subalpina
17885 Sphenolobus minitus var[ietas] cuspidatus
17886 Lophozia confertifolia
17887 Bazzania tricrenata (*Whal.*) Pears.²⁸⁹
 Sphenolobus minitus both depauperate (*Crantz*) Steph[ani].²⁹⁰
17889 (or 17889) Sphenolobus minitus var[ietas] cuspidatis [sic]
17888 Preissia quadrata²⁹¹
17890 Lophozia alpestris²⁹²
17891c Marsupella Sullivantii²⁹³
 Cephaloziella Starkii²⁹⁴ ?
17892 Ptilidium Californicum
17893 Chiloscyphus polyanthos²⁹⁵ ~~var rivularis~~
 Pellia Neesiana²⁹⁶
17895 Scapania subalpina forma (decurrentia)²⁹⁷ antical lobe often decurrent
17896 Chiloscyphus polyanthos var[ietas] rivularis²⁹⁸
17897 Scapania dentata var[ietas] purpurescens²⁹⁹
17898 Diplophyllum taxifolium³⁰⁰
17899 Marchantia polymorpha³⁰¹
17900 Targionia hypophylla (uncertain without fruiting organs)

²⁸⁵ Liverwort species of the Porellaceae family, described by Julius Röhl.

²⁸⁶ Obsolete name for the liverwort species Neoorthocaulis floerkei, described by Heinrich Gustav Flörke.

²⁸⁷ Liverwort species of the Anastrophyllaceae family.

²⁸⁸ Liverwort species of the Lepidoziaceae family.

²⁸⁹ Described by (Göran (Georg) Wahlenberg) William Henry Pearson.

²⁹⁰ Described by (Heinrich Johann Nepomuk von Crantz) Franz Stephani.

²⁹¹ Liverwort species of the Marchantiaceae family.

²⁹² Obsolete name for the liverwort species Mesoptychia collaris.

²⁹³ Liverworts species of the Gymnomitriaceae family, described by William Starling Sullivant.

²⁹⁴ Liverwort species (a.k.a. Cephaloziella divaricata) of the Cephaloziellaceae family.

²⁹⁵ Liverwort species of the Lophocoleaceae family.

²⁹⁶ Liverwort species of the Pelliaceae family.

²⁹⁷ Liverwort species of the Scapaniaceae family.

²⁹⁸ Liverwort species of the Lophocoleaceae family.

²⁹⁹ Liverwort species of the Scapaniaceae family.

³⁰⁰ Liverwort species of the Scapaniaceae family.

³⁰¹ Liverwort species of the Marchantiaceae family.

17901 Lophozia porphyroleuca

Cephalozia pleniceps

17902 Plagiochila asplenoides³⁰²

17903 Lophozia lycopodioides

17904 Sphenolobus minitus var[ietas] nov[a] (see 17853)

17905 Cephaloziella could be var[ietas] asperifolia³⁰³ of Starkii,³⁰⁴ but to me it looks different, will take up when and as possible elsewhere I think it is the same as 17867 *found a few immature perianths*

³⁰² Liverwort species of the Plagiochilaceae family.

³⁰³ Latin term, meaning "rough-leaved."

³⁰⁴ Liverwort species (a.k.a. Cephaloziella divaricata) of the Cephaloziellaceae family.

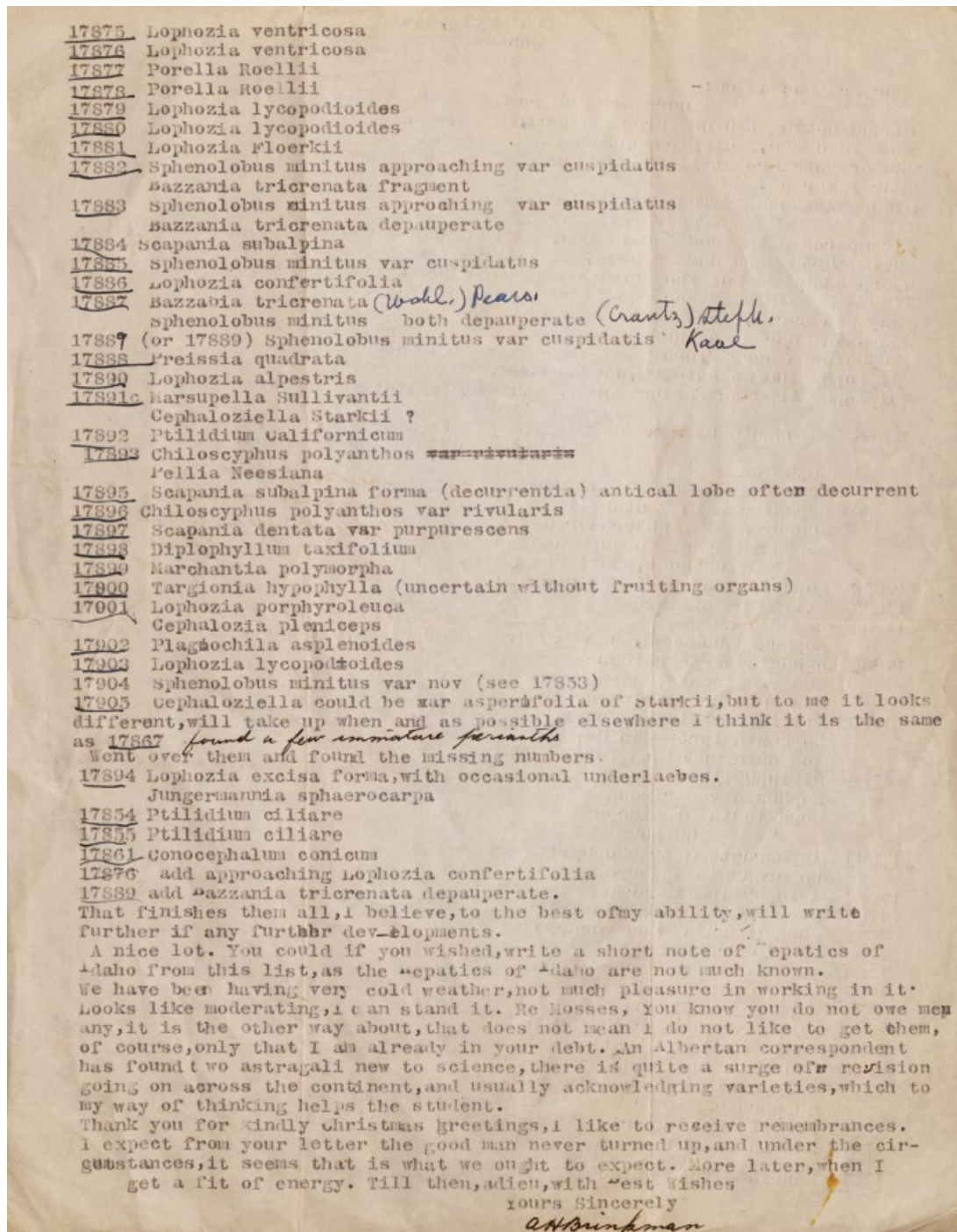


Figure 4: Image of Edition No. 16, page 2.

Went over them and found the missing numbers.

17894 Lophozia excisa forma,³⁰⁵ with occasional underleaves.
 Jungermannia sphaerocarpa

³⁰⁵ Variant of a liverwort species of the Lophoziaaceae family.

17854 Ptilidium ciliare

17855 Ptilidium ciliare

17861 Conocephalum conicum³⁰⁶

17876 add approaching Lophozia confertifolia

17889 add Bazzania tricrenata depauperate.

That finishes them all, I believe, to the best of my ability, will write further if any further developments.

A nice lot. You could if you wished, write a short note of Hepatics of Idaho³⁰⁷ from this list, as the Hepatics of Idaho are not much known. We have been having very cold weather, not much pleasure in working in it. Looks like moderating, I can stand it. Re[garding] Mosses, You know you do not owe me~~n~~ any, it is the other way about, that does not mea I do not like to get them, of course, only that I am already in your debt. An Albertan correspondent has found two astragali³⁰⁸ new to science, there is quite a surge of~~r~~ revision going across the continent, and usually acknowledging varieties, which to my way of thinking helps the student.

Thank you for kindly Christmas greetings, I like to receive remembrances. I expect from your letter the good man³⁰⁹ never turned up, and under the circumstances, it seems that is what we ought to expect. More later, when I get a fit of energy.

Till then, adieu, with Best Wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 17: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, April 4, 1941.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Ap[ri]l 4th 1941

Dear Mrs[.] M[a]cFadden: -

series 1909 & 1910 Can you, as a favour to me, give me the number of a few B[ritish] C[olumbia] mosses sent to you, I have got the labes about ready, and want to put up, but do not want to put up material already sent, hence the request. I had hoped Steere³¹⁰ could have given it to me, but evidently he is very rushed with work. I heard from Mr[.] Wheeler who was in touch with you, and he suggested sending a paper of mine to you, in the belief it might interest you. That paper opened up a possibility that has taken up a great deal of my time,

³⁰⁶ Liverwort species of the Conocephalaceae family.

³⁰⁷ U.S. state in the Northwest.

³⁰⁸ Genus of vascular plants.

³⁰⁹ Fay's husband Joel.

³¹⁰ William Campbell Steere (1907–1989), U.S. bryologist.

or the mosses would have been done before this, and out of the way. And at that there is no certainty the time is not being wasted, that is, the thing may never reach the public eye. Snow nearly gone, spring should be here in about a week, if this keeps up, I mean, it might be possible to get on to the land by then, if sufficiently energetic. However my crop is still out and unthreshed, so goodness knows when I shall start, at any rate it will be under severe handicaps. I hope the winter has not been too unkind with you, and that things material have been reasonable favourable. It seems we dare not ask more than that.

Till later, adieu
With Best Wishes
Yours Sincerely
A[lfred] H[enry] Brinkman

*Edition No. 18: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Canada, May 7, 1941.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada
May 7th 1941

Dear Mrs[.] MacFadden: -

Thank you for yours of 17th ult[im]o [mense], and for information contained therein. It was much fuller than I expected, and even now it has left me "fuzzy" in my mind, for I felt so sure that I had sent the contents of one box to you, but so far, the details do not show it, so perhaps my memory is at fault. Anyhow, I am well on the way with the packets, and it looks as though there will be around ~~199~~ 100. Besides duplicates of a number of them, when the differences were enough to suggest them being interesting.

So the good man³¹¹ is at work in a position that seems ~~see~~ worth while, I am very glad to hear that. You have had your full share of, shall we say, indifferent luck, so a little good luck is due your way. Let's hope it is a fixture this time, and it well may be, with the trend of things in the U.S.A[.], and their "all out" effort.³¹² The war³¹³ is very near them now, pretty well all see now what they should have seen before, that this is eventually their war, that it will not stop short of the U.S.A. But then, Britain has been slow, so I could not blame [the] U.S.A, further off, and in mind at least, at first detached. Thank you for Hepatics. I am putting them by, reluctantly, for I dare not touch them yet; else the mosses would be delayed, and the rush of work is on ~~us~~ us now, so it is evenings and Sundays "for me", if I want to do anything. You have some interesting stuff there, some seems quite new to me, so I am in for an interesting time. I imagine you will make some finds at Idaho, for as far as I know, that State is but little

³¹¹ Fay's husband Joel.

³¹² The United States funded the Allies through the Lend-Lease Act of March 11, 1941.

³¹³ World War II (1939–1945).

worked, you could find new things there. I feel sure your keen eyes will not miss much you meet with. Glad you enjoyed the "Handhills article".³¹⁴ Yes, it did entail some work in the Geological field, the Botanical was known to me. An interesting sideline developed. The local High School³¹⁵ took up Geology, and the Handhills was their objective. Would I come along? I did, and enjoyed myself. There were two high schools there, Craigmyle and Handhills, I can only hope that a little of what I tried to tell them stuck. It shows the unexpected things that can happen in the West. Till two days ago, we had no rain, it was getting dry. Part of the crop is in now. So the oldest daughter³¹⁶ is married.³¹⁷ It will make you feel, let us say, not younger. The years do pass. But perhaps, with me you think of botany as a wonderful carry over, with its botanical friendships[.] Well, in a rush now, so adieu for the time. By the way, another article on "education" may possibly interest [sic] you, though I am afraid I can only loan it, it is one of a few, if you are interested in that sort of stuff.

Best Wishes

Yours sincerely

A[lfred] H[enry] Brinkman

*Edition No. 19: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, July 22, 1941.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

July 22nd 1941

Dear Mrs[.] MacFadden: -

Mr[.] Wheeler writes he expects to meet you at the camp this year, hence this short letter.

I was there in 1908, and the feeling I then had, and which has remained with me was not so much what I gathered, tho[ugh] the gatherings were fine, but what I must have missed. So I am hoping you will find many things I did not. I shall be disappointed if you do not make at least 25 additions to my list of mosses and hepatics. I know at the foot of the glacier, I felt I should follow up the small watercourse up the mountain side, and find goodness knows how many truly alpine mosses and hepatics, then the woods were very rich in them, and I only scratched, so to speak, the surface. So here's hoping. I should very much like to be there, but alas. *Hope* mosses came to hand in due course. As other two parcels did, I think they did. I expect Idaho has claimed you for a while, I hope so anyhow, as you would find a number of things unreported for that state, unless I miss my guess. Of your plants sent, two seem outstanding. 17361 is an *Azolla*,³¹⁸ the first I ever saw. Did not compare with the only two

³¹⁴ Perhaps Alfred H. Brinkman, "The Study of Hepatics (Liverworts) in Canada," *The Canadian Field-Naturalist* 54 (1940): 40–42.

³¹⁵ Presumably a reference to the high school in Craigmyle.

³¹⁶ Louise Parkhurst Kimble, née MacFadden (1914–1997), Fay and Joel's oldest daughter.

³¹⁷ Charles Grant Kimble (1909–1973) had married Louise Parkhurst Kimble c. 1941.

³¹⁸ Fern genus of the Salviniaceae family.

descripttions I had, so Dr[.] Fulford³¹⁹ has promised to take to N[ew] Y[ork] Bot[anical] gardens,³²⁰ and compare with material there. Then there was a Cephaloziella 17352, which is new to me, but looks so like C[ephaloziella] interrigma³²¹ that I have hunted up British material for comparison, but have not had time to compare yet, rest named, at least tentatively, and when I get a note from you at home, I will send on list. Some interesting things among them. If you can grow more weeds in California than we can here, then I do not wish to live in California. Suppose you know we have had an extra intensive heat wave, and what it has dome [sic] to the crops. Another year gone wrong.

In the meantime, I shall be thinking of you at Glacier,³²² and wishing, and shall look forward to your list of finds. So for the time being adieu [sic]

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 20: Alfred H. Brinkman to Fay A. MacFadden
December 5, 1941.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

Canada

Dec[ember] 5th 1941

Dear Mrs[.] MacFadden: -

Parcels to hand in due course, you sure "have been a doing of it". Reminds me of the earlier days when I sent just such parcels to Dr[.] Conklin, and his enthusiasm as he turned up good thing after good thing. And you also are going to have your share of good things.

17864 Siplophyllum [Diplophyllum] incurvum First record for West I believe

17860 Diplophyllum incurvum

Lophozia ventricosa

Cephalozia pleniceps

Cephalozia³²³ unknown, perhaps a form of bicuspidata,³²⁴ but ?

17894 Lophozia excisa forma

Jumgermannia [Jungermannia] sphaerocarpa

17861 Concephalim [sic] conicum³²⁵

17855 Ptilidium ciliare

17864 Ptilidium ciliare.

³¹⁹ Margaret Hannah Fulford (1904–1999), U.S. bryologist.

³²⁰ Established in 1891 in the Bronx, New York City.

³²¹ Liverwort species of the Cephaloziellaceae family.

³²² Perhaps Glacier National Park (established in 1910) in the U.S. state of Montana.

³²³ Liverwort genus of the Cephaloziaceae family.

³²⁴ Liverwort species of the Cephaloziaceae family.

³²⁵ Liverwort species of the Conocephalaceae family.

I had the Anthoceros³²⁶ material put by for comparison, and had dig out some material for comparison but somehow I did not get round to it. I enclose a paper on Scapania irrigua, not a very good copy, but readable with care. From it you will see something of the mess I have had to wade through in trying to study the group, and it sure does eat up time.

When in Calgary³²⁷ recently I hunted up Mr[.] Reader,³²⁸ wish I had done so years ago. I spent a most pleasant evening with him, and he showed me I think literally hundreds of coloured photos of his beloved plants. And in conversation he told of having met you, and your energy in collecting, and something about A.O.W.³²⁹ So its not such a big world after all.

Well, if the Lord is good, and the devil has no very great objection I shall in due course, whenever that may be, have gone over the material, and shall report, either entirely, or more probably in parts of the finds. A splendid fall for work and stock, I am yet fencing, theres always such a lot of it to do, and as stock gets out on the roads if neglected, well, running all over the country after missing stock is no particular joke in the winter. Crops rotten again, but failure payment ‡ will I hope see us through, but we shall not be "wallowing in abundance" I am afraid.

Hope things are going well with you and yours, and, even if a bit prematurely may I wish you and yours sll [sic] the pleasures of Christmas, and years, not a year, of at least comparative happiness for you all, and with it a fair share of the good things of this world.

For the time, adieu
Yours Sincerely
A[lfred] H[enry] Brinkman

*Edition No. 21: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, April 9, 1943.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada
Ap[ri]l 9th 1943

Dear Mrs[.] MacFadden: -

I am enclosing list examined again, and making an extra copy, so that if you are in the mind to send to Dr[.] Clarke,³³⁰ you can do so. The Pellia I will write on later, as I wish to catch this mail.

³²⁶ Hornwort genus of the Anthocerotaceae family.

³²⁷ City in the southern part of the Candian province of Alberta.

³²⁸ William Rowland Reader (1874–1943), superintendent for Calgary parks.

³²⁹ Arthur Oliver Wheeler (1860–1945), Irish land surveyor in Canada.

³³⁰ Likely Lois Clark (1884–1967), U.S. botanist, bryologist, and professor.

I sent the box of mosses away last Saturday, but some underling at the Calgary post office is making a bit of a damn nuisance of himself, and while the local post master has explained the case, and I have sent a letter to the Postal Director also, giving an explanation, I cannot say at the present whether the parcel has left. I am sorry for the delay, it is the first case of its kind.

Before long I hope to get at the Jungermannia. Last Saturday I sent away the "List of the Willows of Alberta", and wasn't I glad to see the back of it? Well, our snow has almost gone, but on Thursday I could not restock [restock?] the fallen bundles, they were still frozen to the ground. Today (Friday) it is again raining, so we shall not want for moisture when the spring sowing commences. I suppose you will be well on with your garden by this time, ours is still in the distance, and water was still running across it Thursday from the melting snow. I imagine, with this rain, you have had, you must have an unusually fine collecting season, as far as growth is concerned, plants with you should be at their best under such circumstances.

They are going to ration us also on meat now, but as we still have a few chickens and plenty of eggs, we shall not starve.

It would be nice if the daughter³³¹ took up collecting, I mean really like it, for you could teach her so much she would not always find easy to learn by herself [sic]. I cannot imagine my son³³² taking up botany, he isn't interested in it, but is in machinery, does quite a lot of his own repairing, takes after the ~~grand~~ grand dad my father,³³³ and my brotehr³³⁴ [sic] is the same, but it seems to have missed me. The Americans are doing some fine work in Africa³³⁵ now, looks like the beginning of the end there. I sincerely hope so, for there's lots to do after Africa is cleared up. And until it is, France will have to be watched.³³⁶

Regards and best wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

notes on back

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

17905 and 17867. Clarke, *Cephaloziella byssacea* Warnst.³³⁷ I cannot agree. Even if the plants came under the *byssacea*³³⁸ complex, the very distinct papillae would place them under the var[ietas] a[s]perifolia (Jens) Macv[icar]³³⁹ of *Macvicar* (the *C[ephaloziella] divaricata* var[ietas]

³³¹ Either Louise Kimble, née MacFadden, or Barbara Moselle, née MacFadden.

³³² Alfred Theodore "Alfie" Brinkman (1914–1985).

³³³ Alfred Henry Brinkman (1846–1916).

³³⁴ William John Brinkman (1875–1960).

³³⁵ Operation Torch or the North African Campaign (1942) during World War II.

³³⁶ Parts of France were occupied by Germany from 1940 until 1944.

³³⁷ Liverwort species of the *Cephaloziellaceae* family, described by Carl Warnstorf.

³³⁸ Latin term, meaning "cobwebby."

³³⁹ Liverwort species (a.k.a. *Cephaloziella divaricata*) of the *Cephaloziellaceae* family, described by (Christian Emil Otto Jensen) Symers Douglas Macdonald Macvicar.

scabra³⁴⁰ of Howe).³⁴¹ As I understand Macvicar C[ephaloziella] papillosa (Douin) Schffn³⁴² is a less distinct form, and I think I would rather refer [refer] to your plants as C[ephaloziella] byssacea var[ietas] asperifolia (Jens) Macv[icar] forma.³⁴³ The underleaves are not at all well developed. Had the perianths been mature one could perhaps have come to a more definite decision.

1928 The Lophozia. I am afraid I must disagree with Dr[.] Clarke. I am separating out parts for you to put in your packet, and you can then refer to them. The plant seems to me good L[ophozia] porphyroleuca, for while a few of the leaves were obtuse, most are typical, and even the obtuse lobed leaves have the fair sized trigones of L[ophozia] porphyroleuca, while nearly all had the dark reddish back part of the stem usual in L[ophozia] porphyroleuca. Of L[ophozia] obtusa³⁴⁴ I saw nothing, it is rather a distinct plant.

Another part had Aplozia lanceolate³⁴⁵ in it, not typical, both the leaves and the cells being rather small, but the perianths were typical.

A third part had what I am calling A[plozia] sphaerocarpa³⁴⁶ ? It seems out of its place where found, but I cannot make it anything else.

Of Aplozia atrovirens³⁴⁷ I can find nothing, and cannot say whether I made a mistake, or whether it was in very small quantity, and I failed to find it again. Anyhow, you had better scratch out that record, or if present it must be in very small quantity, or I should have refound it. And yet I hardly think I could have mistaken it, though I remember at the time thinking it was an off type form.

19278. Scapania curta of ~~Clarke~~ Clarke, mucronata of myself. I am in doubt. Evans uses two points, margin of thick [thick] walled cells without trigones for curta, other cells with small trigones; no margin but large trigones for mucronata. The leaf characters are admitted by ~~Evans~~ Evans to be unstable in both species.

The trigones are small ~~are~~ in your ~~sp~~ specimen, but there is no definite border shown, and some of the border cells show trigones. It is not good curta. But then it is not good mucronata, trigones too small. I am inclined then to agree with Dr[.] Clarke to this extent, Scapania curta ? for 19276 I still think this may be ? Lophozia heterocolpa³⁴⁸ It definitely is

³⁴⁰ Liverwort species of the Cephaloziellaceae family.

³⁴¹ Marshall Avery Howe (1867–1936), U.S. botanist and taxonomist.

³⁴² Liverwort species (a.k.a. Cephaloziella divaricata) of the Cephaloziellaceae family, described by (Charles Isidore Douin) Victor Félix Schiffner.

³⁴³ Liverwort species (a.k.a. Cephaloziella divaricata) of the Cephaloziellaceae family, described by (Christian Emil Otto Jensen) Symers Douglas Macdonald Macvicar.

³⁴⁴ Liverwort species of the Lophoziaceae family.

³⁴⁵ Obsolete name for the liverwort species Liochlaena lanceolata.

³⁴⁶ Obsolete name for the liverwort species Solenostoma sphaerocarpum.

³⁴⁷ Liverwort species of the Jungermanniaceae family.

³⁴⁸ Liverwort species of the Lophoziaceae family.

not L[ophozia] incisa. L[ophozia] incisa is so distinct a plant that I do not think Dr[.] Clarke could have had the same plant in her specimen.

19275 Looks like a difference of opinion. The margin between L[ophozia] porphyroleuca and L[ophozia] ventricosa can be very small, or in other wordsm [words,] I think they intergrade. I think the large trigones bring it under L[ophozia] porphyroleuca, while the perianth mouth is about intermediate.

A[lfred]. H[enry]. Brinkman

[page 3; text, typewritten (handwritten additions and corrections appear in italics). This is an exact carbon copy of the previous page and therefore not repeated here.]

*Edition No. 22: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, November 12, 1943.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada
Nov[ember] 12th 1943

Dear Mrs[.] MacFadden: -

I thank you for determinations, received during my abcnce from hone [home], which will account for very tardy acknowledgement and that I got home yesterday, after a stay that was to have lasted for a month, but lasted over 3 months, for when at my daughter's³⁴⁹ place in Kelowna,³⁵⁰ I had to have an operation, and convalescence took some time; even now I am not better, but good enough to work around a little.

Some were new to me, for instance Physcomitrium Hookera,³⁵¹ Encalypta apiculata,³⁵² while Brachythecium collinum³⁵³ and another was unexpected. Others were more or less expected or known from European material. Tortula mucronifolia³⁵⁴ seems abundant, yet I do not remember to have gathered it elsewhere.

I got as far as Seattle³⁵⁵ while at Vicotria [Victoria], and had a pleasant time with Dr[.] Frye. All too short of course, for my whole stay in Seattle was but 3 days, and I could have profitably spent 3 months in the Botanical part alone. Wonder how your /daho trip succeeded. It would in all probability add a number of interesting things to your previous collections. Did your daughter³⁵⁶ accompany you as proposed? and did she find it as interesting as expected?

³⁴⁹ Ada Louisa Grace Crowley, née Brinkman (1900–1987), lived in Kelowna.

³⁵⁰ City in the southern part of the Canadian province of British Columbia.

³⁵¹ Moss species of the Funariaceae family, described by William Jackson Hooker.

³⁵² Encalypta vulgaris, moss species of the Encalyptaceae family.

³⁵³ Moss species of the Brachytheciaceae family.

³⁵⁴ Moss species of the Pottiaceae family.

³⁵⁵ City in the northwestern part of the U.S. state of Washington.

³⁵⁶ Either Louise Kimble, née MacFadden, or Barbara Moselle, née MacFadden.

Crops here are indifferent, most of the oats [are] a total failure, but I personally am in receipt of old age pension, so we shall not go broke.

Got quite a pile of correspondence to catch up with now. Had an unexpected stroke of luck while away. Visiting Dr[.] Eastham³⁵⁷ at Vancouver,³⁵⁸ he asked me whether I would like Braithwaite's³⁵⁹ British Moss Flora.³⁶⁰ (Would I.? Well, I could have it at the price he paid, and as he got it cheap I consider myself very fortunate in getting a book I had hoped to get for many years, but did not expect to. Then I finished up the Moss Flora,³⁶¹ including the other book by Grout³⁶² with the remainder of the plates. Then I am getting Mackenzie's³⁶³ Carex book,³⁶⁴ and am putting them down to my holiday, as in fact I was frugal in other respects, and as I was staying with brother,³⁶⁵ sisters,³⁶⁶ or daughters,³⁶⁷ I not only had a very pleasant time, but a cheap one also, so I felt I was going to spare something for reading, which I proceeded to do. I am hoping to hear from you upon your return from Idaho, and settling down to normal life at

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

home. I have a very extended program, but just how far I shall get with it; goodness knows, certainly not 100%, for I never have. I do feel the cold after my stay in B[ritish] C[olumbia] though as a matter of fact it is quite fine for the time of the year here. Got part 2 of Frye and Clark's Hepatic Flora,³⁶⁸ and am enjoying it in spoonfuls, so to speak. Hope this finds you well, self not too bad.

Regards and Respects

Yours Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 23: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, March 2, 1944.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta

M[ar]ch 2nd 1944

³⁵⁷ John W. Eastham (1878–1968), British botanist in Canada.

³⁵⁸ City in the southwestern part of the Canadian province of British Columbia.

³⁵⁹ Robert Braithwaite (1824–1917), English bryologist.

³⁶⁰ Robert Braithwaite, *The British Moss Flora* (by the author, 1887).

³⁶¹ Abel J. Grout, *Moss Flora of North America, North of Mexico*, 2 vols. (by the author, 1928–1933).

³⁶² Perhaps a reference to Abel J. Grout, *Mosses with Hand-Lens and Microscope* (by the author, 1903).

³⁶³ Kenneth Kent Mackenzie (1877–1934), U.S. lawyer and botanist.

³⁶⁴ Kenneth Kent Mackenzie, *Keys to the North American Species of Carex* (New York Botanical Garden, 1941).

³⁶⁵ William John Brinkman (1875–1960).

³⁶⁶ Eliza Sena Jessie Davies, née Brinkman (1879–1965), and Rose Grace Hopkins, née Brinkman (1882–1977).

³⁶⁷ Ada Louisa Grace Crowley, née Brinkman (1900–1987), and Violet Emily Foster, née Brinkman (1903–1981).

³⁶⁸ Theodore C. Frye and Lois Clark, *Hepaticae of North America*, vol. 2 (University of Washington, Publications in Biology, 1943).

Dear Mrs[.] MavFadden [sic]; -

Got parcel yesterday, I expect you looked at them on the way home and said "thank God it's gone," for it must have been a tedious job. Seems more Bryums than I expected; I notice the ubiquitous caespitosum [caespitosum]³⁶⁹ was everywhere, but there is one I didn't think I had got, cirratum.³⁷⁰

One or two of the *Brachytheciums* were rather unexpected, as also one or two *Amblystegiums*.³⁷¹ Thank you very much for the time spent over them for me. Got in touch with an old correspondent who is now in Arizona,³⁷² so am trying to persuade him to gather Hepatics, for Arizona should be comparatively unexplored, though I expect the flora will be very similar to that of California. By the way, I yesterday finished going over the parcel sent some 10 years ago, putting the plants between double news sheets and naming and numbering them outside so as to know where to place them, according to Rydberg. Some I couldn't find in Rydberg,³⁷³ but did in the Arizona flora, and some I couldn't find in either. Apparently there must have been a number of Californian finds since Rydberg issued his last edition. Quite a number of plantd [plants] shown in Rydberg were among them, and it is nice to have them by one, for perhaps you find it as I do; *when* hunting down a plant one comes across a description that seems it might possibly fit, but with no specimens to compare with, then if the specimen is there, it wither is or it ain't, definitely as a rule. By the way with this very watery winter, the growth in California must be unusually luxuriant, and I wonder whether you have been out gathering or whether you are still too unwell to go far. Your last [letter] showed you still undergoing treatment. By the way, the Hepatics in the mosses, two of them, were rather usual, one a usual *Marchantoid* plant *Reboulia*³⁷⁴ (I forget its name right now) not unusual around Calgary, the other *Lophocolea cuspidata*,³⁷⁵ common in the island (Vancouver) the other seems new to me, so I have it soaking ready for an examination, seems new to the district, for the prairie is most barren of Hepatics. Got some snow a few days ago, must be around 10 inches. What an hell of a mess there will be if the wind comes. Wonder if you were able to get to see the good man,³⁷⁶ or if at least he was able to get home with you all at Christmas. Hope so. Well, the time goes along quite fast, soon I suppose it will be gardening; it must be that with you before now. Heard from Oregon, seems as though there may be a few Hepatics there, hope so, I just feel like working over them, after such a long lay off. Well, had better close, not much to say. I hope to get over some 1926 collections, there must be quite a few of them, anyhow you will know, for if I do you will get some of them in

³⁶⁹ Moss species of the Bryaceae family.

³⁷⁰ Moss species of the Rhabdoweisiaceae family.

³⁷¹ Moss genus of the Amblystegiaceae family.

³⁷² U.S. state in the Southwest.

³⁷³ Likely a reference to Per Axel Rydberg, *Flora of the Rocky Mountains and Adjacent Plains, Colorado, Utah, Wyoming, Idaho, Montana, Saskatchewan, Alberta, and Neighboring Parts of Nebraska, South Dakota, and British Columbia* (by the author, 1917).

³⁷⁴ Liverwort species of the Aytoniaceae family.

³⁷⁵ Liverwort species of the Lophocoleaceae family.

³⁷⁶ Fay's husband Joel.

due course; usually I bite off too much, so am never quite sure. Have been reading up on Paleobotany, trying to fix some points in my, interesting, but slow reading.

For the time then, adieu
With Best Wishes
Yours Sincerely
A[lfred] H[enry] Brinkman

By the way, there were three mistakes, *Apocynum sibricum*³⁷⁷ should be *A[pocynum] androsamarfolice* [sic],³⁷⁸ *Aragallus Richardsonii*³⁷⁹ should be *Astragalus Drummondii*,³⁸⁰ and and [sic] *Argentina subarctica*³⁸¹ a *Potentilla*³⁸² whose name I will hunt up before closing this. Went over Rudberg's [Rydberg's] naming of a bundle, and discovered the last mistake, along with some of his. Seems one never knows, at least I don't.

A[lfred] B[rinkman]

*Potentilla camporum*³⁸³ named by Rydberg seems similar to the plant, named *Argentina subarctica*[.]

Edition No. 24: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, June 9, 1944.

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada
June 9th 1944

Dear Mrs[.] MacFadden: -

I suppose by now you are in Idaho, and well away with the collecting, hope it proves a good season for that.

The p[a]rcel came to hand in due course, thank you for the trouble you have taken with them. Some day perhaps I may find time to go over them and put them in the shape they should be, but that certainly does not appear to be in the near future. Getting my grasses slowly into shape, and am more and more surprised at the richness and quality of the collection. I knew I had much material, but apparently a six foot cupboard, double partition, is going to be

³⁷⁷ Plant species of the Apocynaceae family.

³⁷⁸ Plant species of the Apocynaceae family.

³⁷⁹ Plant species of the Fabaceae family, described by John Richardson.

³⁸⁰ Plant species of the Fabaceae family, described by Thomas or James Drummond.

³⁸¹ Plant species of the Rosaceae family.

³⁸² Plant genus of the Rosaceae family.

³⁸³ Plant species of the Rosaceae family.

about filled, to my dismay, for goodness knows just what cupboard room I shall eventually want. Wonder whether your daughter³⁸⁴ is with you?.

Well, we are still praying for rain, one and an half inch, as near as I can make out, since spring opened, on top of a dry fall and winter, does not seem so good, does it? Oh well, that is farming, and no good is done by melting troubles beforehand. Again my thanks for trouble so kindly taken.

Yours

Sincerely

A[lfred] H[enry] Brinkman

*Edition No. 25: Alfred H. Brinkman to Fay A. MacFadden
Craigmyle, Alberta, September 15, 1944.*

[page 1; text, typewritten (handwritten additions and corrections appear in italics):]

Craigmyle, Al[ber]ta
Canada
Sep[tember]15th 1944

Dear Mrs[.] MacFadden: -

Thanks for your pleasant and interesting letter. I had thought of you as being in Idaho, you must have had a nasty turn of it to be two years under the weather. Let's hope the end of it is near in sight. Have they finally decided what is the matter with you? Looks sometimes like a trial and error case. Doctors do not know it all yet.

Thank you for the list, a very pleasant one, *as* it shows some additions to my B[ritish] C[olumbia] mosses, and also shows that the old eyes are still functioning pretty well. Some I should have known as Plagiothecium undulatum.³⁸⁵ Some I partly guessed, some I was mistaken in, thus Rhy[tidiadelphum] triquetrum³⁸⁶ I thought was one of the other closely related species. Tortula princeps³⁸⁷ is new, as also are Bestia Breweriana,³⁸⁸ Homalothecium Nuttallii,³⁸⁹ and probably Scler[oderma] caespitosum.³⁹⁰

³⁸⁴ Either Louise Kimble, née MacFadden, or Barbara Moselle, née MacFadden.

³⁸⁵ Moss species of the Plagiotheciaceae family.

³⁸⁶ Moss species of the Hylocomiaceae family.

³⁸⁷ Moss species of the Pottiaceae family.

³⁸⁸ Moss species of the Lembophyllaceae family, described by William Henry Brewer.

³⁸⁹ Moss species of the Brachytheciaceae family, described by Thomas Nuttall.

³⁹⁰ Fungus species of the Sclerodermataceae family.

There may be an occasional other among the few remaining. I am hoping to do a little moss work this winter. I have Grout, Husnot,³⁹¹ Sullivant,³⁹² Dixon³⁹³ (of whose death I regretfully learned recently) Braithwaite, Lesquereau³⁹⁴ [sic] & Barnes, so I have at least a tolerable amount of literature to refer to. I have been minded to type out plates with references to script, for Grout is a bit of a nuisance that way, one has to hunt over to find the plates, only to find they are at times in his other book, which I have at last got. Also I got and so far have enjoyed Jepson's Californian Flora, also Henry's B[ritish] C[olumbia]³⁹⁵ Which is undergoing slow revision by Mr[.] Eastham of Vancouver. I never came across a Rydberg,³⁹⁶ they seem real scarce, could wish they would put out a new and revised issue, there is room for it. Glasses scratched. When examining I put off my glasses, just for that reason, I am afraid of scratching of eye pieces. Don't know whether it is wise, but I do it. Another valued correspondent is having trouble with eyes, I suppose we are all growing older, and to us all as botanists the eyes are of such tremendous value.

I am writing to catch you before leaving for Boise.³⁹⁷ You are worse than us, true we do get difficulty in travelling, but we do not have to give any notice, just go and take our chances. They discourage travel, that is all. Still, I suppose that having got your ticket you are at least assured of a passage, and I hope in more comfort than was my experience. I see you, like me, are weather temperamental, I am almost a weather-cock in my response to weather conditions.

You should get a few fall plants in Idaho, while, as you say, the early spring plants should show many additions. I have gathered but little this year, but hope to work over some of my old stuff. Trouble is it is so long ago that I do not know to whom [it was] sent, thus I am reasonably sure I sent you the 1922–25 gatherings, but shall just have to note a few of them an[d] ask if you received them. With your herbarium³⁹⁸ in order it should not be difficult to say, or in your absence, your daughter,³⁹⁹ if she knows your arrangement. Your arrangement seems good to me. Mine are just put in order, usually in small groups, easy to handle and get at, in newsprint, with name outside, so I can easily find what I want, and the double paper prevents rubbing of the plants. By the way, I got those Vitamin B, and they stopped that dopey feeling alright, and though my improvement is slow, I put down part of it to ~~the~~ the capsules. The crops have not behaved, rarely they do. An hot spell in July pretty well scorched the crops, and cut down the yield considerably. On the clay land it was worse, on the light lands (mine is light) not so bad, but bad enough, thus oats recovered remarkably, and the

³⁹¹ Pierre Tranquille Husnot (1840–1929), French botanist.

³⁹² William Starling Sullivant (1803–1873), U.S. botanist.

³⁹³ Hugh Neville Dixon (1861–1944), British bryologist.

³⁹⁴ Charles Léo Lesquereux (1806–1889), Swiss-born U.S. bryologist.

³⁹⁵ Joseph Kaye Henry, *Flora of Southern British Columbia and Vancouver Island* (W. J. Gage & Co., 1915).

³⁹⁶ Likely a reference to Per Axel Rydberg, *Flora of the Rocky Mountains and Adjacent Plains, Colorado, Utah, Wyoming, Idaho, Montana, Saskatchewan, Alberta, and Neighboring Parts of Nebraska, South Dakota, and British Columbia* (by the author, 1917).

³⁹⁷ State capital city in the southwestern part of the U.S. state of Idaho.

³⁹⁸ Collection of preserved plant specimens and associated data.

³⁹⁹ Either Louise Kimble, née MacFadden, or Barbara Moselle, née MacFadden.

early ripe ones are overtopped by the later growing and now considerably advanced oats, so we hipe to gather a decent crop of oats. The garden did well after the rain. Got lots of tomatoes, nearly ripe, and I am hoping the frost will keep off long enough for us to enjoy some of them. We had a real warm spell recently, but yesterday it storme[d] and today is drizzling, hence the letter in part.

Yes. I can imagine your good man⁴⁰⁰ will be as pleased to see you as you are to go to him[.] it isn't much of a life to be separated like that, but there is plenty of it now, not always perforce either. So he, like me, found out that defective teeth do make bad rheumatism. With them out, I just take small doses of Kruschen's Salts,⁴⁰¹ and while they do not cure entirely, the result is bearable, in fact during warm spells I do not take it at all. Your daughter's⁴⁰² good man⁴⁰³ must be getting on, a group leader is something. B[omber] 17,⁴⁰⁴ that should be a Boeing.⁴⁰⁵ My daughter is working at

[page 2; text, typewritten (handwritten additions and corrections appear in italics):]

a Boeing plant at Vancouver, and pulling down more money than I did except when in government service.

Yes, germany must be feeling pretty sick. It was just marvellous the way the troops went through [F]rance,⁴⁰⁶ adter [after] the break through by Paton [Patton].⁴⁰⁷ I began to think that was only the privelege of the Russians, but apparently not. And now they are in Germany, while your Pacific men are in the Palaus⁴⁰⁸ and in the Halamira⁴⁰⁹ group~~t~~, which makes the Phillipines⁴¹⁰ pretty close. Well, we can all surely wish a an [sic] end to it, but not before Germany and Japan are utterly smashed; if a few more lives now will save many lives in 20 to 30 years time, it would be unwise to call it off before an utter smashing had occurred. I bet the British are overjoyed at the stoppage of the Robot Bombs;⁴¹¹ nigh a million house destroyed and damaged is an awful toll to pay, though it must be worse in Germany, when we know the truth from there. "A lot of women who are working should be home attending to their children". I smiled, but it is the truth. We in Cananda are at least trying to do something about it, for starting next July a children's allowance comes into force, thus making it easier for those who do have children, as it should be. It is entirely undair to expect parents to have children and hnadicap [handicap] themselves and their children, while the more

⁴⁰⁰ Fay's husband Joel.

⁴⁰¹ Pharmaceutical product, based on sodium chloride.

⁴⁰² Barbara Edwin Moselle, née MacFadden (1918–2007), Fay and Joel's younger daughter.

⁴⁰³ Arnold P. Moselle (1919–1999) had married Barbara Edwin MacFadden in 1942. He served with the U.S. Army Air Corps 303rd Bomb Group (H) (a.k.a. "Hell's Angels") in World War II.

⁴⁰⁴ Also known as the B-17 bomber, a war plane that emerged during World War II.

⁴⁰⁵ U.S. aircraft manufacturing company, established in 1916.

⁴⁰⁶ Allied invasion following D-Day (June 6, 1944).

⁴⁰⁷ George Smith Patton (1885–1945), U.S. Army general.

⁴⁰⁸ Republic in the Pacific Ocean, made up of approximately 340 islands.

⁴⁰⁹ Presumably Halmahera, the largest island in the Maluku Islands (Indonesia).

⁴¹⁰ Archipelago country in Southeast Asia.

⁴¹¹ German V-1 flying bomb used in World War II.

selfish refuse, and have a good time, though I expect in old age they are not so sure of the wisdom of their course. If children are a national asset (and we have had to find out how important a national asset they are), then the nation should see they are at least partly provided for, as we at present provide for their education. Louis⁴¹² husband⁴¹³ and the ladies. I expect he isn't the only one who is not sorry to be among men, for the ladies (at least some of them) seem unable to resist making a passe at a man. It is quite natural, It has lasted for thousands of years when their only means of offence and defence was their sexual appeal, but surely now when they have equal rights with men, it is not so necessary. Of course the women do have the right to expect to fill jobs they are efficient to fill, as is the case now in Russia, that is where a family allowance comes in, they are made to feel they are filling a most important job raising the children for our future n-ational wellbeing. In Britain the report stresses that point strongly, that women by their family life are (Beveridge report⁴¹⁴ I am referring to) as important to the nation as by them or the men working. But many women will not like to be without the money they have had become used to, though I am wondering whether the price paid in the deterioration of many of the children is not a pretty high one.

Well, 10 X 12 seems a lot, but with your numbers at around 25.000 and the exchange material it isn't a bit too large, I am thinking of making a 20 X 16 shack to house my plants, books, typewriter and numerous papers, and to have a little nook where I can rest when and as I please. It may not materialize, but *that* doesn't rprevent me thinking of it. Yes, the grasses are rich here. I have to go over a box of Hordeum⁴¹⁵ group, and a smaller box of Festufa⁴¹⁶ [Festuca] group, ~~an~~ and don't know what there is there is to exchange. Willows are funny (or rather the people who gather them, I am afraid) I got a new one recently on my own place, while another which should be around somewhere, I found on my neighbour's place in a clump I had been going to examine for years, but never did, so it leaves the feeling that goodness knows what may still be around. I am keeping your address in Idaho by me, in case I wish to write you later. In the meantime, good hunting, and a pleasant and happy time together.

With best wishes

Yours Sincerely

A[lfred] H[enry] Brinkman

~~Ging~~ Going over Husnot, he seemes to have an sstonishing [sic] number of Orthotrichums,⁴¹⁷ I thought the British were bad enough, but France seems to have them beaten. Braithwaite is a treat, but his cell pictures are of little use, his plates are pieces of artistry. I also got

⁴¹² Louise Parkhurst Kimble, née MacFadden (1914–1997), Fay and Joel's oldest daughter.

⁴¹³ Charles Grant Kimble (1909–1973) had married Louise Parkhurst Kimble c. 1941.

⁴¹⁴ Inter-Departmental Committee on Social Insurance and Allied Services, *Social Insurance and Allied Services* [The Beveridge Report], Cmd. [Command paper number] 6404 (London: H.M. Stationery Office, 1942), drafted by the British economist William Henry Beveridge (1879–1963).

⁴¹⁵ Grass genus of the Poaceae family.

⁴¹⁶ Grass genus of the Poaceae family.

⁴¹⁷ Moss genus of the Orthotrichaceae family.

(through the kindness of Hitchcock a number of years ago) a copy o[f] Vasey's⁴¹⁸ work on grasses of the Pacific Slope,⁴¹⁹ and that is a piece of artistry, makes anything later look almost tawdry, though a ~~Californian~~ Florida man is turning out splendid work, also a[n] Indiana man, I have got their works)[.]

A[lfred] B[rinkman]

⁴¹⁸ George Vasey (1822–1893), English-born U.S. botanist.

⁴¹⁹ George Vasey, *Grasses of the Pacific Slope* (U.S. Government Printing Office, 1893).