Rec'd April 11
Ans'd April 12
Dr D Drake

Cincinnati March 30th 1827

Dear Sir,

The object of this note, is to ask whether you have yet made out, a tabular view of your ten years of Meteorological observations? I am extremely desirous to see it, and avail myself of its valuable results. If you have published it any where, please refer me to it - if not, I would thank you to inform me when and where it will appear.

Very respectfully your obed.t Serv.t

Ja.s Drake

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Dr Englemann.

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For Prof Drake

Rain table in St Louis May 1847

Changes in Temperature in Jan 1847 &

in Mond. Aug. Jour. St Louis

Feb. 47.

Thermometrical table — 10 years

Barometrical table — 4

Fair & rainy days — 4

Thunderstorms — 4

Rec'd May 1st
Ans Nov 9 4

Louisville April 26th 1848

Dear Sir,

I have access to Silliman's and the St Louis Journal containing the publications to which you refer. As to the other observations, you inquire in your letter of last April in what form I wish them. My desire is to exhibit the mean T. of the year, seasons & months, and the monthly extremes. In reference to the Barometer make them out as you please & so of the rest. I have observations made in various places, at various hours & presented in various modes, so that a combination of them into a rigid system will not be very practicable.

The first volume of my book will consist largely of a history of the physical condition of the country and its climates, populations &c, under the head of 'General Statistics'. Its physical Geography and medical Topography will be illustrated with 16 (page) maps, the drawing of which has detained me from this. My summer residence till now. One of the maps presents a section of the American bottom opposite & including St Louis. They have been executed by gentlemen of the Army educated at West Point, and will I trust be found interesting.

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As to Curves & Temperature, I have not made any decision. The greater part of my observations are not to be relied on, as yours are.

What you send me, I would like to receive at as early a day as may be convenient for you. I shall start to Cin: in two days, for the Summer, where and then I hope to print a Volume. Please direct your letter to that city.

Very Resp.ly your ob.t Serv.t

Dan Drake

Dr Engelmann.

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As to curves of temperature, I have not made any reflexions. The greater part of my observations are not to be relied upon as yet.

Wishing you success, I remain

Yours truly

Asa Gray

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Rec'd Nov 4th
Ans Nov 9th

Univ. of Louisville
Oct. 30th 1848

Dear Sir,

Before I left this place last spring for Cincinnati I had the honor to address a note to you, in which I asked the favour of you to give me the mean results of your meteorological observations for 10 years. Having gotten nearly through the printing of the Topographical part of my book, I must now combine such materials as I may be able to collect, on our climates; and I feel very greatly regret, at proceeding & finishing without your observations, which I suppose are more accurate than any others made within the valley.

A mean year from the ten, is what would best answer my purposes. The mean heat of each month. Also the mean of the monthly extremes & the greatest summer heat & greatest winter cold. Concerning the moisture of the air, I am not so anxious as to temperature. If you have made observations on the Dew point I would be glad to obtain the results. The winds and clouds & rain are of course indispensable.

I shall await my pleasure your publication in the St Louis & New Haven Journals.

Will you do me the favour to acknowledge the receipt of this letter, that I may know it has not miscarried, and tell me when I may expect a more extended reply from you.

Respectfully your
Very Obed Servt.

Dan Drake

Dr Engelmann

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Rec.d Nov. 14th
Ans.d Dec.r 1st 46

Univ.y of Lo: Nov. 14.th 1848

My Dear Sir,

I thank you for your letter of the 9.th Inst. this morning. I have engaged to furnish to my publisher the Whole ms. of the Vol. now in the press, by the first of Jan: and although I shall (I fear) fail in doing so, I must furnish the "part" — "Meteorological Etiology," as early as possible, in December. — I regret, more, I am sure, than you can, that I shall not be able to enrich that Art. with the results of your accurate and long continued obs: — I am under obligations to you, for being disposed to sacrifice something of the reputation which a publication of the whole will bring you, by giving me a part. Please do so, as early as convenient. With your Obs. and those of Dr. Ray (Cin:) Dr. Hempstead (Portsmouth) & Dr. Allerth (Marietta) I shall be able to

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perfect as it were, the climatology of the 39.th degree; which, being a mean latitude of the Valley of the Mississippi and Lakes, would be an important step towards the meteorology of the whole.

I have read the proof of p 272 of my book, which I suppose completes the first 3.rd of the first Vol. The second, should I ever finish it, will be confined entirely to histories of diseases. In the first, I shall only find room for Autumnal fever: — of which, in reference to St Louis and its vicinity, I wish you could find time to give me, in Dec.r, some obs.

Very respectfully your obed.t Ser.t

Dan Drake

Dr. Engelmann.

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Rec'd Dec 23
Ans Jan 7th

St. Louis Dec.r 16.th 1818

My Dear Sir,

The object of this note is acknowledge the receipt of your diagrams.

It will be necessary to correct them to the size of my page Royal Octavo - that is to the dimensions of the topographical Map of St. Louis and a section of the Am. Bottom, of which I send you a proof. I have put them - into the hands of my draughtsman, Capt. Fuller, an engineer in the Office of Topl. Engs. of the U. S. Army; and as soon as

they are agreed, I will
send on the Mss. for inspec-
tion & Correction, before they
are placed in the hands of
the Engraver. You will observe
that the enclosed map was
made by Capt. Fuller and
of the ability of my engraver
you can likewise judge, by
the same specimens.

Yours very Truly

Sam Drake

Dr Engelmann

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Rec'd Dec 28.
Ans Jan 9.11

Louisville

Dec 20.th 1878

My Dear Sir

I have already advised you that your diagrams must be reduced to the size of my page. I send you that on temperature (with the original) that you may correct it before it goes into the hands of the Engraver. When I get a proof sheet from his plate, I will, likewise, send it. Yours resp.tfy

Dan.l Drake

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