

Dec. 12, 1901

Dear Major Moedebeck

I was very glad to receive your letter of 28th. As soon as I had posted my last letter (Nov. 29) I discovered that I had omitted to enclose the letters of Wellner & of Samuelson. I felt pretty sure of getting another from you, enclosing one from Lilienthal, and I now send all three letters back.

I regret that Lilienthal does not tell us how his brother's glides were computed, that is to say what was the angle of incidence with the "relative wind," what was the "lift," the "drift," the "tangential" and the "other resistances" mentioned on page 107. I suppose that he is a very busy man, and that it would hardly be just to ask him for this information, but I would very much like to know. Cannot Samuelson, Hoernes or Köppen tell you.

You understand that Langley's and Duchemin's published experiments were made upon square planes, and do not give the co-efficients for arched surfaces. Since his return home Wright has been experimenting upon the latter. He agrees fairly well with Lilienthal

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at angles above 10°, but disagrees at smaller angles. He is still engaged in his experiments with models, and is likely to elicit very valuable information. He finds very great differences between various shapes having tested some 50 or more, and says that no table of co-efficients is of much value unless the exact profile and dimensions are taken into account.

I can send you my contribution at any time, but the longer it is deferred the more valuable the theoretical part will be, as it would include a table of results from Wright on some forms of surface differing from Lilienthal's and I am in correspondence with Marvin as to the best methods for computing glides.

My wife has gone to California for her health and I am to follow in about two weeks. I will there have leisure to put your article in shape and will send it whenever you call for it. My address will be 485 Maylin St., Pasadena, Calif. I send on a separate sheet a few words to be included in your lexicon.

Yours truly

O. Chanute