

COMMENT ON REVIEW OF REDWAY'S HANDBOOK OF METEOROLOGY.

Dr. Brooks kindly furnished me with a copy of the criticism of my book. [July-August BULLETIN, pp. 99-100.]

I cannot take violent issue with his opinion concerning the diagram on p. 25. It shows roughly the northern limit of food production. This should have been noted in the text. I am inclined to think that a better drawing should be made, but the diagram as it is fully illustrates the point. I do not see how a better illustration of the wind belts, as far as the fundamental movements are concerned, could be presented than the one, p. 49. This has been a standard diagram in probably fourscore texts and treatises in the last hundred years. So far as the descriptive text in the first three lines, p. 50, is concerned: The Trade Winds have had a southwesterly¹ direction on the northern front of the belt *et seq.* ever since I studied good old Warren's Physical Geography, in the '60's—and I have failed to discover a change since Iceland was annexed to Germany. The illustration, p. 150, was drawn by a member of the Weather Bureau from a storm map which I selected with his approval. Here in Mount Vernon winter storms are occasionally followed by 36-48 hours of cloudiness. The diagram, p. 155, is the official storm card taken from the Coast Pilot charts of which it has been a feature for nearly half a century. I should not care to change it. Credit is due to Col. John P. Finley for the diagram, p. 161: I have used it in my publications for 40 years without knowing the author, although he gave it to me. The legends pp. 78 and 94 are practically the same as in the legends furnished by the Weather Bureau—except for the "curro"—cumulus.

One most atrocious blunder Dr. Brooks does not mention. On p. 130 I have made Dr. Humphreys responsible for the statement: "While the earth is receiving a lessened amount of heat it is radiating thirty times as much." What Dr. Humphreys says (p. 580, Physics of the Air) is:—"the shell of volcanic dust, the particles all being the size given, is some thirty-fold more effective in shutting solar radiation out than it is in keeping terrestrial radiation in." I have an indistinct recollection of copying his text as it reads and, in a moment of intellectual vacuity, changing it in the proof; anyway, no one but myself is responsible for the blunder.

Since the publication of the book I have received some most helpful and useful suggestions from Dr. Brooks which are in the interest of clearness. They will appear in a following edition.—*J. W. Redway.*

NOMINATIONS REQUESTED.

Article VII of the Constitution provides that

"At least eight weeks before the annual meeting the secretary shall send to each fellow and member of the Society a request for nominations, specifying the offices which are to be filled."

This note constitutes the request required. The offices to be filled are: President, Vice-President, Secretary, and Treasurer. There should be nominations for five councilors. Nominations should be sent to the Secretary, Clark University, Worcester, Mass. The Annual Meeting will be held at Toronto, on Thursday, December 29, 1921.

The present officers and councilors are as follows:

President: Professor Robert DeC. Ward, Harvard University, Cambridge, Mass. (Not eligible for reelection for 1922.)

Vice-President: Dr. W. J. Humphreys, Weather Bureau, Washington, D. C.

Secretary: Dr. Charles F. Brooks, Clark University, Worcester, Mass.

Treasurer: Mr. Robert E. Horton, Consulting Hydraulic Engineer, Voorheesville, N. Y.

¹ It is unfortunate that "southwesterly" is used at times for motions *toward* the southwest, although, when applied to wind meteorologists always understand southwesterly" to mean *from* a direction between SSW and WSW. On page 52 Mr. Redway uses "Westerly" for winds *from* the west, which is inconsistent with his "southwesterly" for winds *toward* the southwest.—*C. F. B.*

- Councilors:* Dr. J. de Sampaio Ferraz, Directoria de Meteorologia, Rio de Janeiro, Brazil.
- Prof. Alexander McAdie, Harvard University, Blue Hill Observatory, Readville, Mass.
- Prof. W. I. Milham, Williams College, Williamstown, Mass.
- Major W. R. Blair, Meteorological Serv., Sig. Corps, Washington, D. C.
- Mr. E. H. Bowie, Weather Bureau, Washington, D. C.
- Prof. H. J. Cox, Weather Bureau, Chicago, Ill.
- Mr. A. W. Douglas, Simmons Hardware Co., St. Louis, Mo.
- Dr. Ellsworth Huntington, Yale University, New Haven, Conn.
- Prof. C. F. Marvin, Weather Bureau, Washington, D. C.
- Major General C. T. Menoher, Camp Dix, N. J.
- Sr. Jose C. Millás, Meteorological Service, Habana, Cuba.
- Prof. J. Warren Smith, Weather Bureau, Washington D. C.
- Sir Frederick Stupart, Meteorological Office, Toronto, Ont.
- Prof. C. Fitzhugh Talman, Weather Bureau, Washington, D.C.
- Prof. Wilford M. Wilson, Cornell Univ. and U. S. Weather Bureau, Ithaca, N. Y.

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