

edge concerning tropical meteorology, clarifies several important aspects of low-latitude weather, emphasizes the importance of upper air analysis, and stresses the inter-relationship between tropical weather phenomena and extratropical circulation patterns.

In Part I the structure of tropical hurricanes is compared with the less spectacular, but climatologically more significant, tropical disturbances, and the circumstances attendant upon the transition from one to the other are discussed. An explanation for the generation of cyclonic vorticity is presented which differs from that usually accepted in middle latitudes. The importance of an overlapping between middle- and low-latitude disturbances is discussed and illustrated with synoptic examples.

Part II is restricted to the definition, description, and illustration of typical circulation patterns during the summer months. The importance of the interrelation between tropical and extratropical disturbances is discussed.

The report is an excellent example of the results which can be obtained in a highly specialized field by research scientists who are thoroughly familiar with current and past research in other fields of meteorology.

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- CONDIT, IRA J. *The fig*. Waltham, Mass.: Chronica Botanica; New York: Stechert-Hafner, 1947. Pp. xv + 222. (Illustrated.) \$5.00.
- CORNER, GEORGE W. (Ed.) *The autobiography of Benjamin Rush: his "Travels Through Life" together with his Commonplace Book for 1789-1813*. Princeton, N. J.: Princeton Univ. Press, 1948. Pp. 399. (Illustrated.) \$6.00.
- CURTIS, WINTERTON C., and GUTHRIE, MARY J. *Laboratory directions in general zoology*. (4th ed.) New York: John Wiley; London: Chapman & Hall, 1948. Pp. viii + 236. (Illustrated.) \$2.00.
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- TWENEY, C. F., and HUGHES, L. E. C. *Chambers's technical dictionary*. (Rev. ed.) New York: Macmillan, 1948. Pp. viii + 976. \$6.50.
- VIETTE, PIERRE. *Lépidoptères homoneures*. (Faune de France, 49.) Paris: Paul Lechevalier, 1948. Pp. 83. (Illustrated.) 550 fr.
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- . *Ionospheric radio propagation*. (Nat. Bur. of Standards Circ. 462.) Washington, D. C.: Supt. of Documents, U. S. Govt. Printing Office, 1948. Pp. iv + 209. (Illustrated.) \$1.00.
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