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F.A.F.C. Went, Some remarks on the work of Mr. A.A. Pulle, entitled: 'An enumeration of the vascular plants known from Surinam, together with their distribution and synonymy', in:  
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bution of velocities or not. If no attention has been paid to it, it is not to be accepted that the energy always becomes finite (see § 1); if attention has been paid to it, the chance a priori can no longer be taken equal for each element of volume, and the above expression is faulty, and so also the further reasoning.

So it seems to me that also this derivation of JEANS must be considered as incorrect<sup>1)</sup>.

**Botany.** — Some remarks on the work of Mr. A. A. PULLE, entitled: "*An enumeration of the vascular plants known from Surinam, together with their distribution and synonymy.*" By Prof. F. A. F. C. WENT.

Mr. PULLE has worked out the botanical material collected by the expeditions of the last years, of one of which he was a member himself. He has also tried to render our knowledge of the flora of Surinam more complete by incorporating into his work the older collections which are preserved at Leyden, Utrecht, Göttingen, Berlin, Kew Gardens and in the British Museum.

In this way a total number of 2100 vascular plants appeared to be known for Surinam and although it may be said with certainty that this number is far from representing the real number of species, occurring in our colony, yet we must appreciate that here for the first time a comprehensive idea is given of the flora of Surinam.

Without entering into further details it must be mentioned that the author is led to the important result that phytogeographically Surinam belongs to the Hylaea, the region of the Amazon river, with the exception perhaps of the still unknown territory west of the Wilhelmina range. The Hylaea would then extend from the mouth of the Amazon river over French Guyana and Surinam and gradually form a narrow littoral strip in British Guyana, finally passing into the Orinoco district. As a consequence of this the conception must be given up that across Surinam there is found a continuous savannah district, such as occurs in Demerara and more to the west; where savannahs are found in our colony their presence must be entirely attributed to local influence of the soil.

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<sup>1)</sup> JEANS' derivation occurs for the first time in the Philos. Magazine VI, 5, 1903, under the title of "The Kinetic Theory of Gases developed from a New Standpoint" p. 597. That also the "molecular ungeordnet" hypothesis is implied, which JEANS denies, is proved by BURBURY in the same magazine VI, 6, 1903 in an article on "Mr. J. H. JEANS' Theory of Gases" p. 529.