3. THE EQUATIONS DETERMINING THE MARGIN AT STATE IN THE CASE WHEN THE OCCUPATION NUMBER IS ZERO

For the reasons just given (i. e., because we cannot solve any other problem) we shall restrict ourselves in this paper to a consideration of the case when the occupation number is zero. In this case Ω_{2l} satisfies

$$log\Omega_{2l}=1, (7)$$

the solution of which has been obtained numerically; it is approximately

$$\Omega_{21}=2.7. \tag{8}$$

This result shows that the transition to overcivility occurs between the values 2 and 3 given by Giftcourt (1956), respectively, Bookshelf (1956), a result which should be capable of direct experimental confirmation. The author hopes to deal with this problem next Saturday afternoon.

In conclusion, I wish to record my indebtedness to Miss Canna Helpit, who carried out the laborious numerical work involved in deriving equation (8).

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[Professor John Sykes' famous spoof of Professor S Chandrasekhar delighted the 'victim', who arranged to have it printed in the format of The Astrophysical Journal. Some librarians bound it in series without noticing]