

研 究 速 報

2600 per square micron (or $2.6 \times 10^{10}/\text{cm}^2$). In both cases, the difference between the saturation temperature of the water vapor (the dew point) and the surface temperature of the glass plate was, at its maximum, 0.5 degC. A thermodynamical calculation assuming the equilibrium state yields about 680 Å as the critical diameter of the droplet which can grow on the plate under the above mentioned temperature difference. Nevertheless, none of the holes seen in Fig. 4(b) exceed the critical value (the largest one being nearly 400 Å in diameter). At present it cannot be determined definitely whether the droplets actually having diameters less than the critical value are taken in the picture or the micro plastic films may have a characteristic that the holes perforated through them exhibit smaller diameter than that of the droplets formed on the glass plate.

To proceed on with further quantitative discussion, a few improvements will be necessary such as on the more precise measurement and control of the surface temperature. However, it may at least be concluded so far that the origination of droplets on the glass plate is due to nucleation process, and that the population density of nucleation site is, at the lowest, of the order of 10^{10} per square centimeter.

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正 誤 表 (8月号)

ページ	段	行	種 別	正	誤
表1				サンフェルナンド地震の被害について	サンフェルナンド地震について
表2		6	目 次	サンフェルナンド地震・概要	サンフェルナント地震・概要
”		下 5	”	OF STROBO-FIASH	OF STOROB-FLASH
表3	右	26	ニュース	自動車技術会昭和46年度春季大会	自動車技術会昭和46年度春季大学