CORRESPONDENCE

is, until the lake is either empty or frozen solid. (Obviously this does not apply if drainage is initiated through crevasses well above lake-floor level.) It would therefore be interesting to see whether there is any correlation between the regimes of such lakes and the flow characteristics of the associated glaciers.

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SIR.

Unusual hailstones

On 20 May 1958 in Leningrad near the Finnish railway station, hail was falling. It lasted only three minutes, but the hailstones were very unusual. They were about 7×10 mm in size, and each hailstone was in the form of a hexagonal pyramid which consisted of six pyramids (one inside the other). Three pyramids were of transparent ice, the other three of milk-white ice (Fig. 1). Each milk-white pyramid consisted of sub-individuals (minute hillocks of growth) with air bubbles amongst them.



If an alum crystal is placed in a highly supersaturated solution of alum (about $I \text{ kg } l^{-1}$), the crystal becomes covered by sub-individuals and becomes milk-white. If it is put into a slightly supersaturated solution (3 g l-1), the sub-individuals disappear and a transparent layer is formed on the surface.

It is obvious that the pyramidal hailstones described above grew in a slightly and highly supersaturated water vapour environment. When they grew in the highly supersaturated water vapour, subindividuals formed and the hailstones became milk-white; when they grew in the slightly supersaturated environment the sub-individuals disappeared and the hailstones became transparent at the surface.



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JOURNAL OF GLACIOLOGY

On 17 July 1959 in Moscow during a hailstorm lasting several minutes, the hailstones were discshaped. Their diameter was 12 mm, and their thickness 2 mm. They consisted of concentric white and transparent rings.

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