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### Cover picture:

Concorde 208, now in service with British Airways, shows its two engine nacelles which house the four Olympus 593 Mk 610 turbojet powerplants as it takes off. Messrs Calder and Gupta set out the object of their paper which appears in this issue as summarising the achievements of Concorde and its powerplant as the first certificated supersonic transport and, regarding that as a datum, indicating the most effective route by which technology may be evolved for making further SST performance and environmental advances appropriate to a second-generation aircraft.

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