

SPACELAB-1-ES-331 EXPERIMENT (1983)

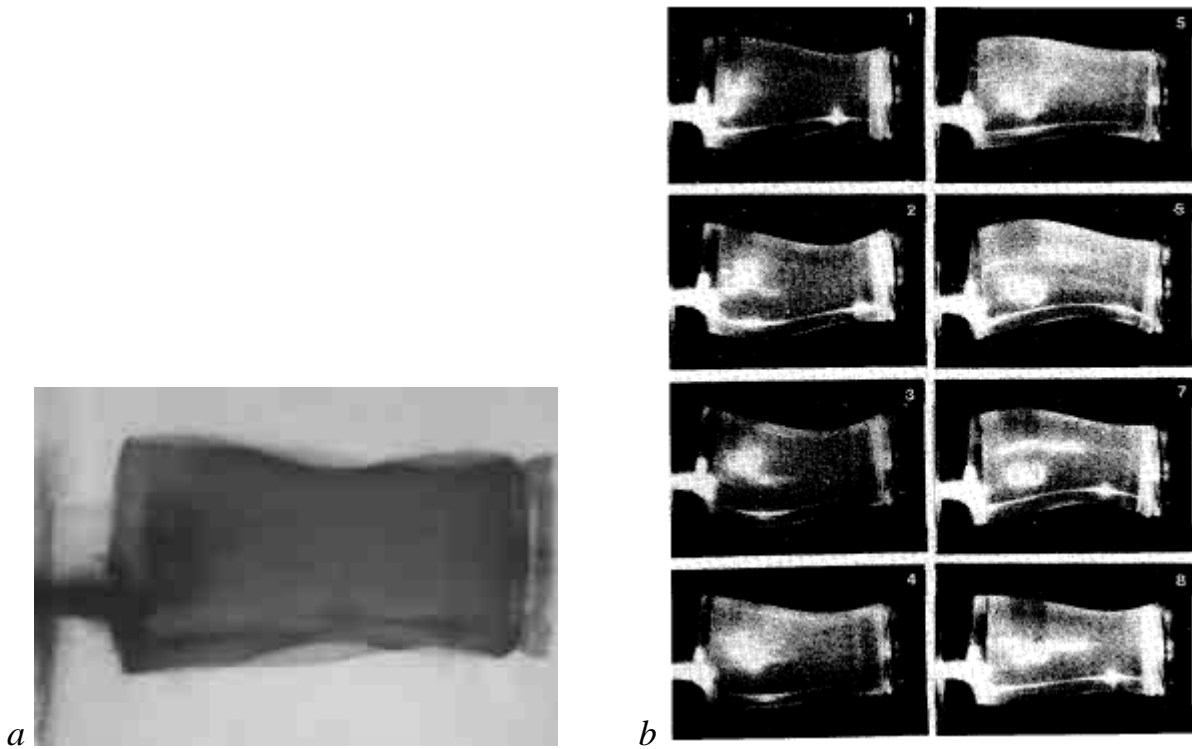


Fig. 1. Some photographs from the experiment: a) Axial vibration sequence, b) Isorotation sequence.

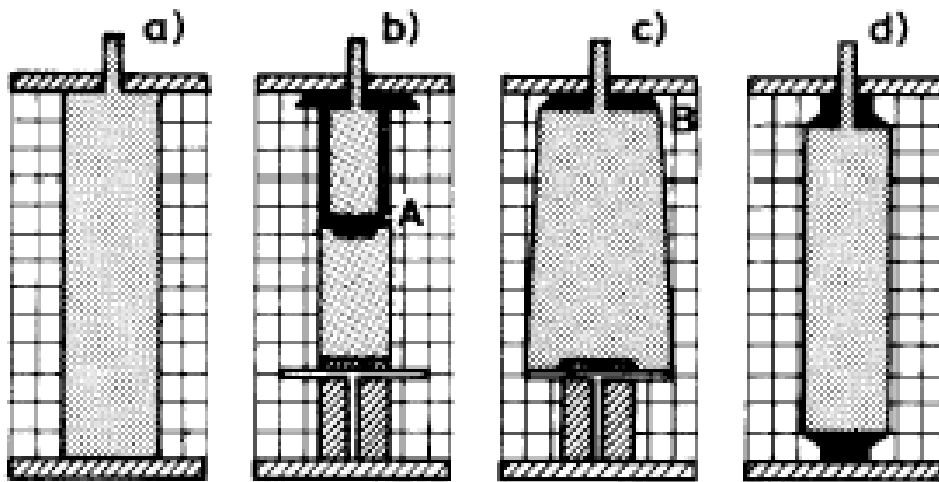


Fig. 2. Difficulties in liquid bridge formation in experiment Spacelab-1-ES-331 (1983) due to inefficient anchorage at the supports: a) Nominal configuration of 0.5 mm protruding discs of 40 mm in diameter; b) Cylindrical bridge obtained by using hand-glued hardware; c) Large non-cylindrical bridge obtained by using hand-glued hardware; d) New disc design proposed for subsequent flights. No background raster used in Spacelab-1.



Fig. 3. Ulf Merbold during FPM operations aboard Spacelab-1 (1983).



Fig. 4. At the background, Byron Lichtenberg during FPM operations aboard Spacelab-1; at the rear; Owen Garriot.

[References \(see Publications\).](#)