

Some examples are shown in figures 3 and 4. Multiple pressure waves have been recorded from a shock reverberating in an acetone layer between a steel plate and the epoxy resin block. Two pressure waves have been recorded from the

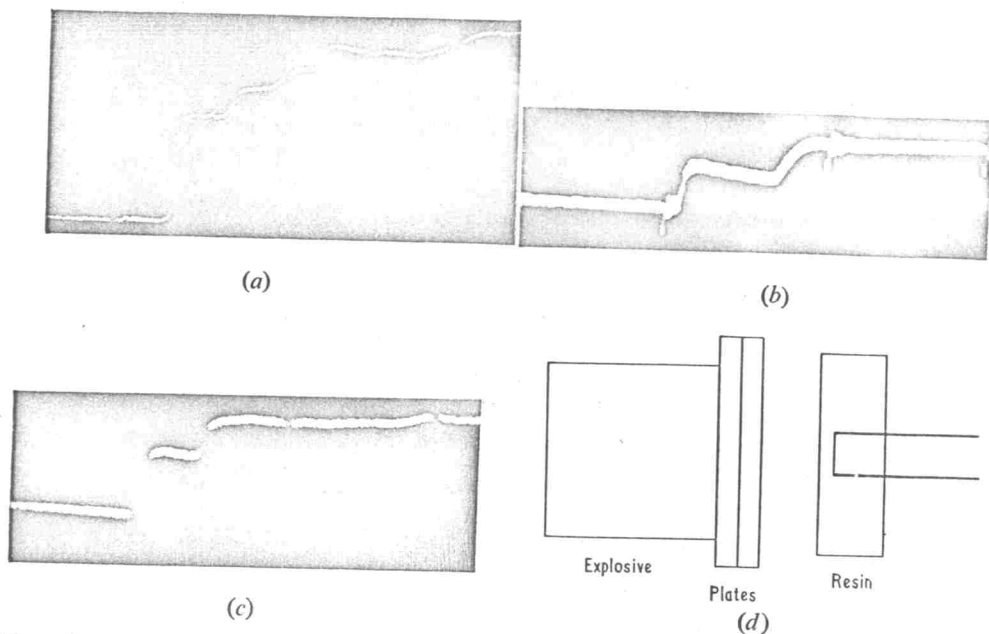


Figure 3. Pressure-time profiles (with time marker pulses  $0.5 \mu\text{sec}$  apart). (a) Multiple shocks in epoxy resin from reverberations in a thin acetone layer; first shock 100 kb. (b) Shocks in epoxy resin from the successive impact of two flying plates; first shock 65 kb. (c) A similar profile from a single tin plate showing that lateral splitting has occurred; first shock 135 kb. (d) Arrangement of transducer (not to scale) for (b); the arrangement for (c) was similar with a single plate.

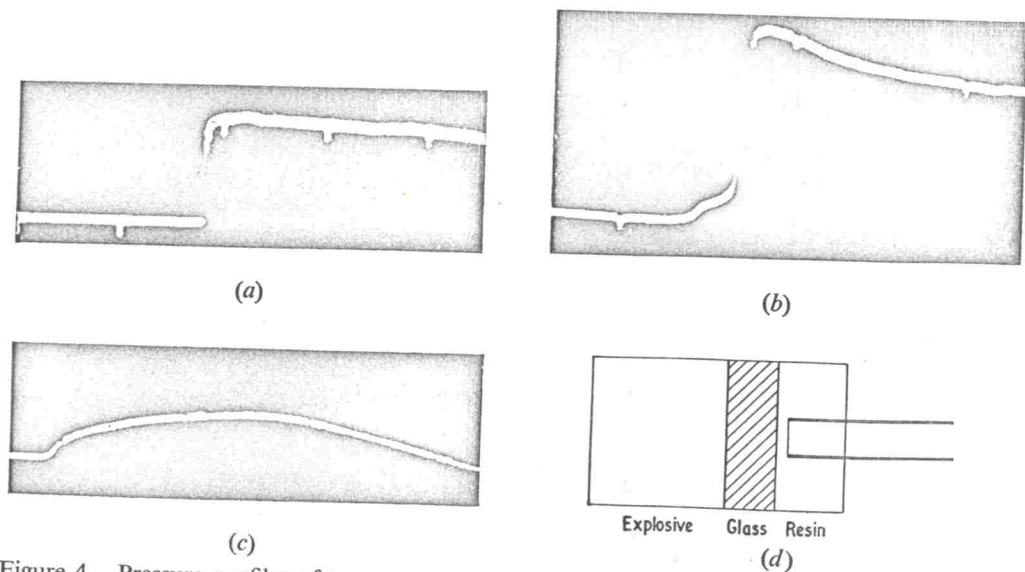


Figure 4. Pressure profiles of two-wave structures in glass. Recorded by wires in epoxy resin, pressures quoted corrected to glass. (a) A shock of 280 kb peak pressure; (b) a simple compression wave followed by a shock to 200 kb peak pressure; (c) a simple compression wave, 50 kb peak pressure; (d) arrangement of transducer (not to scale).