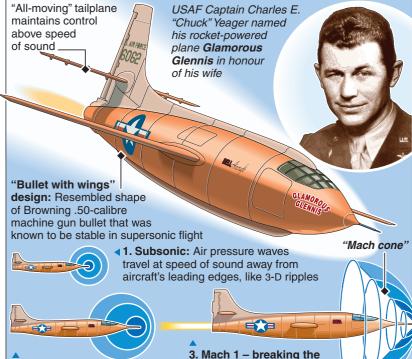
Faster than a speeding bullet

On October 14, 1947, the experimental Bell XS-1 aircraft – piloted by Chuck Yeager – became the first plane to fly faster than the speed of sound. Yeager flew at a speed of over 700mph, shattering the notion that supersonic flight was technically impossible



2. Transonic: As plane speeds up, waves get progressively closer together. Air ahead of plane becomes compressed

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sound barrier: Plane catches up with pressure waves. Hitting dense air

barrier causes conical shock waves to dissipate around plane, causing sonic boom