November Crossword Puzzle

ACROSS
2. The "side saddle" or sideways-facing ______ was developed by John Stapp. (7)
5. The ______ Club is an informal association of people who have successfully used a parachute to bail out of a disabled aircraft. (11)
7. Stapp's Ironic ______ states that "The universal aptitude for ineptitude makes any human accomplishment an incredible miracle." (7)
9. ______ is a modified 50th percentile of EUROSID anthropomorphic test dummy. (6)
12. Kamov Ka-50 is the only helicopter to be fitted with an ______ ______ (8,4)
13. The angle between the line of thrust and the long axis of the spine is called as ______ angle. (8)
16. The smaller drogue in a duplex drogue system stabilizes the ejection seat in the ______ position and prevents the main drogue from deploying till the seat is decelerated adequately. (10)
17. The first whole body ATD was called ______ Dummy. (6,3)
18. The first ejection during ______ occurred on 11 Apr 1944 from a Heinkel He-219 aircraft. (6)
19. Bismi Devassy was the first woman pilot to eject in the ______ Air Force. (6)

DOWN
1. Columbia and ______ were the only two Space Shuttle orbiters fitted with ejection seats. (10)
3. The term ______ describes the lower part of the body being pushed deep into the seat cushion and slip beneath the lap belt. (11)
4. q force in ejection was derived from quantity of rapid air movement _______. (8)
6. The facility in a twin crew cockpit aircraft to ensure automatic ejections of both seats when ejection is initiated by one pilot is termed as ______ ejection. (7)
8. The ejection gun is colloquially called ______. (8)
10. During ejection, any elastic material or cushion placed between the seat and the pilot may get compressed and store energy leading to acceleration _______. (9)
11. The ______ Club is a worldwide association of people who have escaped an aircraft by parachuting into the water, or whose aircraft crashed in the water, and whose lives were saved by a life jacket, inflatable dinghy, or similar device. (8)
14. B in BTRU. (10)
15. The only spacecraft ever flown with installed ejection seats were ______, Gemini, and the Space Shuttle. (6)

Solution is on p. N76.