

20th May 1955

Farnborough: This is the "Man-Carrying Centrifuge", Britain's latest air-research equipment. It enables R.A.F. Doctor-Scientists to record, ~~the~~ ~~the~~ ~~the~~ the limit of a pilot's resistance to the stresses of supersonic flight.

The tests are carried out in a cabin, at the end of ~~the~~ sixty-foot research round-a-bout, the "pilot" is wired so that his physical and mental condition is constantly recorded. His suit (which helps <sup>him to withstand</sup> ~~resist~~ the force of <sup>acceleration</sup> ~~gravity~~) is inflated.

From the centre, a cameraman and <sup>almost</sup> an observer watch that human figure - soon to endure unbearable strain.

Slowly, the needle creeps up. The "pilot" on this test, <sup>will</sup> be the subject of a pressure five times the force of gravity. The cabin swivels out under the fantastic acceleration - while the "human guinea-pig" can be heard recounting his reaction to the mounting strain (sound)

~~As~~ - As the force reaches the maximum <sup>ON ANOTHER RUN</sup> an automatic camera films the occupant. This is the agony our pilots would suffer in jet-age combat! ~~It is~~ the violent change of direction in supersonic flight <sup>that</sup> ~~which~~ causes a pilot to black-out - not the actual speed.

Back in the Control Room - the physical and mental effect on the victim is charted. / S

So the tests are continued - tests that will help to determine our jet-age equipment. The recent "prone-pilot" experiments are the result of these investigations. ~~AND AGAIN, THE AUTOMATIC CAMERA TELLS ITS OWN~~

Agencies of the Government and the forces of the people.

The centrifuge (~~which cost £350,000~~) can also be used for testing aircraft components; but chiefly, it will pave the way for Britain's pilots of the future, to manoeuvre their craft at supersonic speeds.