

10044201

DEFENSE TESTS

BARUCH -- Aarseth

At Dayton, Ohio, Air Force scientists are busy tearing things apart --
even full-sized planes -- in the service of aviation progress.

From wings to wheels -- all parts go through their own torture tests.

As bombers get bigger, tires must be able to stand tougher beatings.

And here -- flap screens for jet engines -- a radical invention to
prevent objects, like this bolt, from being sucked in and wrecking
the motor. Watch!

Thanks to Air Force ingenuity accidents like this are a thing of the
past.

Volunteers ~~XX~~ strain under the
terrific might of centrifugal force to provide data on "blackouts"
that someday may mean a pilot's life.

Improving ejection seats in jets is another of the tests at the
center where the supersonic is commonplace and the conquest of space
a constant challenge.

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DEFENSE TESTS -- 2

On the scorching sands of the Mojave desert, where temperatures average a hundred and twenty, the Army Quartermaster Corps is testing men and equipment -- seeking to find new ways of protecting soldiers in blistering desert warfare.

GI Joe and GI Jake -- a pair of durable desert dummies -- are wired for reaction to the blazing sun.

Soldiers are wired, too, to study the effects of heat ~~and~~ on light and dark uniforms.

Pity this poor GI -- off on a twelve mile hike to nowhere -- hot dogs in the desert.

During all the tests, men are closely watched to make sure they suffer no ill effects. If it would only go down to a hundred!