In the Central Australian desert, over four hundred miles from the mann nearest town - the stage was prepared for Britain's third atomic explosion.

From the Woomers settlement came frequent lorry convoys, bringing equipment and supplies to this advance testing site.

More supplies the later were flown in by a six-day-a-week airlift - and with them - the members of the research staff...

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In charge of this combined atom-test (Australian had made a great contribution) was Sir William Penney, Britain's top scientist, who shelters under a bush hat from the fierce desert heat

Nine months construction work was over. The Bomb Tower stood ready...

Delicate instruments were placed to record the spread and heat of the deadly rediation, and the effects of the explosion.

During these preparations, Mr Duncan Sandys, the Minister of Supply, paid a special visit to the base - known as Emu Field...

All was ready - but then, mere 2000 experts had to wait ten days for favourable weather. No chances must be taken with drifting radio-active clouds. Adelaide is only four hundred miles away...

and time of the explosion

Zero hour approaches. Tense faces watch their delications and dials.

Cameras focus on the lone Tower, fifteen miles away, soon to be the blast centre. Some of the specially-built cameras will film close-ups at

the rate of 100,000 exposures a second.

that every piece of apparatus is ready - and in working order.

And here it goes SOUND.

Once again, the familiar mush-room cloud billows high overhead., though we learn that this was probably one of the smallest atomic weapons.

Instruments (etisched to rockets) were fired through the centre of the radio-active mass, the contract of the THROUGH

At Zero Hour - Sir William Penney had instinctively turned his back on the dazzling glare.

Atom Bomb



But after making a careful observation, he waves a signal that will send the news flashing over the world to Britain.

Oterhood, a Samberra bember corries out tests as observers watch the stages.

And here's the explosion again - from a closer range which makes the blast seem ever more horrifying.

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The explosion was successful. And, it is revealed, that valuable information has now been gained concerning the use of the weapon in the military field, as Britain keeps abreast of the atomic age.