

ZERO IN THE GATE: TITLE ENDS AT: 31 CAMERAMAN: PATHE NEW YORK
WHITTAKER

F/B +
NEG

THE POWER OF THE ATOM - LATEST DEVELOPMENTS
AT HARWELL - HYDROGEN BOMB EXPLOSION AT BIKINI.

1. G.V. ATOMIC EXPLOSION SHOWING HUGE MUSHROOM EFFECT ON THE BIKINI ISLAND 45 P.N.
2. G.V. THE ATOMIC ENERGY RESEARCH ESTABLISHMENT AT HARWELL 52 W.
3. N.S. DITTO 56 W.
4. S.V. INTERIOR TWO MEN APPROACHING SWING DOORS AT 60 THE DOORS AUTOMATICALLY OPEN BY MEANS OF PHOTO ELECTRIC CELL AT 62 THE TWO MEN WALK THROUGH THE ENTRANCE 65 W.
5. G.V. TOP INTERIOR OF THE CHEMISTRY DIVISION (~~SEE PAGE 6~~) OPERATORS PUTTING THEIR HANDS INTO GLOVE BOXES PANN AT 71 TO A G.V. OF THE LABORATORY SHOWING MASS OF EQUIPMENT ALSO HOW SERVICES ARE BEING FED TO THE BOXES FROM THE ROOF BY CABLES ETC. 77 W.
6. L.V. OPERATORS PUTTING THEIR HANDS INTO A GLOVE BOXES 84 W.
7. S.V. DITTO 88 W.
8. C.U. SHOWING HANDS AND PART OF ARM IN GLOVE BOXES 92 W.
9. L.V. OPERATOR BEING FITTED OUT WITH FROGMEN'S SUIT AND HAVING SPACE LIKE HELMET BEING FIXED OVER HIS HEAD 99W
10. C.U. HAVING HELMET FIXED OVER HIS HEAD 104 W.
11. C.U. ASSISTANT SCREWING UP HELMET OVER OPERATORS HEAD 110 W
12. G.V. TOP SHOWING OPERATOR NOW COMPLETELY DRESSED IN FROGMEN TYPE SUIT SHOWING ALSO THE AIR AND TELEPHONE COMMUNICATIONS RUNNING BY A PIPE TO THE BACK OF THE SUIT OPERATOR WALKS OVER TO WORK A LATHE 116 W
13. S.V. OPERATOR FULLY DRESSED IN SPECIAL SUIT CONTROLLING LATHE PANN DOWN AT 119 TO AIR AND TELEPHONE COMMUNICATIONS PIPE 122 W
14. S.V. ANOTHER OPERATOR CONTROLLING THE FROGMAN BY TELEPHONE AND BREATHING APPARATUS 126 W
15. C.U. OPERATOR SPEAKING TO FROGMAN BY TELEPHONE 128 W
16. C.U. SHOWING FIVE GAUGES ON BREATHING APPARATUS 130 W
17. S.V. TWO FROGMEN WORKING IN A HIGHLY A - ACTIVE ROOM THIS HAS TO BE FILMED THROUGH WINDOWS 134 W
18. S.C.U. DITTO 145 W
19. S.V. PRESS REPRESENTATIVES ENTERING THE CHEMICAL ENGINEERING DIVISION (RE-ACTOR FUEL PROCESSING) (SEE PAGE 12) 150 W
20. G.V. TOP INTERIOR OF BUILDING SHOWING SCIENTISTS AT WORK ON VARIOUS SECTIONS OF THE SEPARATION APPARATUS OF URANIUM AND PLUTONIUM 156 W
21. S.V. SHOWING A MASS OF APPARATUS 160W
22. L.V. SHOWING ANOTHER SECTION OF THE SEPARATION APPARATUS 165w

THE POWER OF THE ATOM. CONTINUED

- 23.. S.V. SCIENTISTS STANDING ALONGSIDE TWO BALCONYS OF APPARATUS
MUCH OF THIS APPARATUS IS USED TO PROCESS RAW URANIUM
AND PLUTONIUM INTO SUITABLE FUEL FOR THE REACTOR 169 W
- 24. S.V. SCIENTISTS AT WORK ON SOME COMPLICATED APPARATUS DETERMINING
THE AMOUNT OF ATOMIC METAL IN SUBSTANCES 173 W
- 25. S.V. DITTO 177 W
- 26. C.U. FULL HAND OPERATING GLASS APPARATUS WITH LIQUID OF SOME SORT
FLOWING THROUGH IT 183 W
- 27. S.V. ANOTHER TYPICAL SCIENTIST AT WORK 188 W
- 28. C.U. FULL OF SCIENTIST 190 W
- 29. ~~XXX.~~
C.U. CHEMICAL REACTION TEST 194 W
- 30. G.V. MASS OF EQUIPMENT AND THE REACTOR (SEE PAGE 33) 201 W
- 31. L.V. DITTO 206 W
- 32. S.V. OPERATOR FEEDING ISOTOPES INTO THE BASE OF THE REACTOR 213 W
- 33. S.V. OPERATOR IN THE CONTROL ROOM PANN UP SHOWING ANOTHER OPERATOR
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- 35. C.U. OPERATOR 231 W
- 36. C.U. FLOOR SWEEPER BEING PULLED ACROSS FLOOR 236 W
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- 38. S.V. MAN CHECKING MASS OF URANIUM FUELE RODS 251 W
- 39. S.C.U. DITTO 257 W

~~XXXXXXXXXXXXXXXXXXXX~~ STORY CONTINUED WITH OPERATION 'RED WING'

40.

PATHE NEWS 56/44.

ZERO IN THE GATE:

header

TIME ENDS AT:

24

CAMERAMAN: PATHE NEW YORK.

OPERATION 'RED WING'

NUCLEAR

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OPERATION 'RED WING' CONTINUED

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