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U.S. REVEALS ATOMIC WORK

At Oak Ridge, America lifts the curtain to reveal one of her atomic piles in action. Aluminium-jacketed uranium slugs are inserted into the atomic furnace, a twenty-four-foot cube of graphite. The slug is then rammed home by ten-foot push-rams, and the pile is set in action.

From the furnace, the activated slugs drop into buckets in a twenty-foot deep "canal." Because of extreme radio-activity they must now be handled under water. They're then transferred to lead containers for shipment to other laboratories. Radio-active "canal" water is washed off and the container checked with a geiger counter.

The work continues in a room called a "hot cell." Using mechanical manipulators (behind three-foot thick walls and liquid-filled windows) physicists check the newly irradiated material. Using equipment which seems to be straight out of a science nightmare, scientists work for the peaceful harnessing of man's most powerful force - atomic energy.

At Oak Ridge America lifts the curtain to

~~The U.S. Atomic Energy Commission lifts the curtain of secrecy.~~

~~at Oak Ridge to reveal ^{reveals} ^{to her} one of America's atomic~~

²⁰ piles in action. Aluminium-jacketed uranium slugs are inserted into

¹⁹ the atomic furnace — a twenty-four foot cube of graphite. The

slug is then rammed home by ten-foot push-rods, and the pile

⁷⁸ is set in action.

Sec. 7

From the furnace, the activated slugs drop down ~~a chute~~ and into

³⁰ buckets in a twenty-foot deep "canal." Because of extreme radio-

¹⁴⁶ activity they must now be handled under water. They're then transferred

¹⁶ to lead containers for shipment, ²⁶ to other laboratories, ~~at Oak Ridge.~~

During its process

~~While radio-active canal water is washed off,~~ the slugs are checked

⁹³ with a geiger counter.

Sec. 16

¹² The work continues in a room called a "hot cell." Using mechanical

manipulators, ^e safe behind three-foot thick walls and liquid-filled

¹³ windows, physicists check the newly irradiated material. ~~Each~~

experiment, ^e using equipment which seems to be straight out of the a

science might have ~~most fantastic story of science fiction,~~ ^{Scientists} America works for the

peaceful harnessing of man's most powerful force — atomic energy. ¹⁰⁸