



# CAMERAMAN'S DOPE SHEET

Print all names. Attach Press Clippings or other material.  
If the story looked good to you, say so, if it didn't, say so too.

SUBJECT OPEN DAY AT THE ATOMIC ENERGY RESEARCH ESTABLISHMENT		
PLACE HARWELL	DATE 28 TH MAY 56	
Cameraman PAT WHITAKER	Recordist —	Footage Shot 600
WHO ELSE COVERED ALL Say if sound or silent		
LIST OF SHOTS L.S. OF CHEMISTRY DIVISION (PAGE 6)		
ROLLS 1 AND 2 WERE TAKEN IN THE CHEMISTRY DIVISION AND SHOW TWO METHODS USED TO AVOID HUMAN CONTACT WITH RADIO ACTIVE SOURCES, (ALPHA BETA AND GAMMA RAYS) THIS IS BY BOXES IN WHICH RESEARCH CAN BE CARRIED OUT IN SAFETY PROTECTION BEING GIVEN BY THE PERSPEX AND RUBBER GLOVES.		
THE OTHER METHOD IS TO EMPLOY A TYPE OF FROGMAN'S SUIT, THE AIR AND TELEPHONE COMMUNICATIONS RUNNING BY A PIPE TO THE		
Was there anything unusual about the story? If you were assessing it editorially, what would you say?		

P-251901



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SUBJECT		
HARWELL (CONT) 2		
PLACE	DATE	
Cameraman	Recordist	Footage Shot
WHO ELSE COVERED Say if sound or silent		
BACK OF THE SUIT.		
LIST OF SHOTS		
ROLL 1	L.S. OF GLOVE BOXES IN LINE	
AND VARIOUS SHOTS OF MEN OPERATING		
THESE. L.S. M.S. C.U. OF FROG MAN HAVING		
ROLL 2.	HELMET FITTED AND WORKING	
AT A LATHE.		
H.S. - C.U. OF MAN CONTROLLING FROG MAN		
BY TELEPHONE AND BREATHING APPARATUS.		
M.S. OF 2 FROGMEN AT WORK IN A		
HIGHLY A-ACTIVE ROOM - FILMED THROUGH		
WINDOWS. 2 M.S. OF DOOR OPENED BY		
REMOTE CONTROL ELECTRONIC EYE.		
Was there anything unusual about the story?		
If you were assessing it editorially, what would you say?		



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SUBJECT		
HARWELL (CONT) 3		
PLACE		DATE
Cameraman	Recordist	Footage Shot
WHO ELSE COVERED ROLLS 3 AND 4 TAKEN IN THE Say if sound or silent CHEMICAL ENGINEERING DIVISION		
LIST OF SHOTS (PAGE 12) THESE SHOW THE SEPARATION OF URANIUM AND PLUTONIUM, L.S. OF BUILDING. M.S. MAN REMOVING PROTECTIVE CLOTHES AND WASHING. M.S. OF SEPARATION APPARATUS L.S. OF INTERIOR OF BUILDING. VARIOUS SHOTS OF TWO SCIENTISTS AT WORK DETERMINING THE AMOUNT OF ATOMIC METAL IN SUBSTANCES. MUCH OF THIS APPARATUS IS USED TO PROCESS RAW URANIUM AND PLUTONIUM INTO SUITABLE FUEL FOR THE REACTOR.		
Was there anything unusual about the story? If you were assessing it editorially, what would you say?		



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SUBJECT		
HARWELL (CONT) 4.		
PLACE		DATE
Cameraman	Recordist	Footage Shot
WHO ELSE COVERED ROLL 5 AND 6 TAKEN IN REACTOR Say if sound or silent DIVISION (PAGE 33) OF REACTOR 'BEPO'		
LIST OF SHOTS		
ROLL 5. M.S. CONTROL ROOM OF 'BEPO'		
M.S. MODEL OF 'DIDO' AND 'LIDO'.		
H.S. THE IRRADIATION (OR REGENERATION) OF AN		
ISOTOPE USED IN HOSPITALS (ETC) THIS IS FED		
INTO 'BEPO' AND BY WINDING THE HANDLE IS		
IRRADIATED AND COLLECTED BY MAN WITH TONGS		
AT THE BASE OF THE REACTOR.		
L.S., M.S. OF NEW <u>AUTOMATION</u> EQUIPMENT INSTALLED		
TO CONTROL 'BEPO'. VARIOUS SHOTS OF GIRL AND MAN		
CHECKING URANIUM FUEL RODS. M.S. C.U. OF " FLOOR		
SWEEPER CHECKING RADIO ACTIVE DUST ON FLOOR.		
Was there anything unusual about the story? L.S. OF HARWELL -		
If you were assessing it editorially, what would you say?		



THE HYDROGEN BOMB

WEIST -- Aarseth

Bikini Atoll ... America's nuclear proving grounds in the Pacific ... here history has been made often since the first atomic test a decade ago. And here it is being made again. For as weather observers collect their endless data, the time nears to trigger America's first air-dropped hydrogen bomb. Control center for "Operation Redwing" is the carrier Estes.

Palm-shaded Tarawa ... how different from the bloody World War II battle island. How different, too, the world we live in ... ten short years after the motion picture camera gave Americans their first look at the awesome atomic bomb.

(BLAST)

In "Test Able," the A-Bomb was dropped from a B-29. A month later, America exploded the fearful weapon underwater in "Test Baker."

THE HYDROGEN BOMB -- 2

(BLAST)

The now-familiar mushroom cloud swirled skyward -- painting a deadly, yet beautiful canvas in the clouds. One A-Bomb had killed eighty thousand persons in Hiroshima -- but even that staggering figure would be dwarfed by the destructive might of the first hydrogen bomb -- exploded in "Operation Ivy."

God  
(BLAST)

Compared to the New York City skyline, the H-bomb's fireball flare would envelop the island of Manhattan in the twinkling of an eye ... killing every living thing within a three mile radius of the blast. And now in "Operation Redwing" -- at Bikini Atoll -- mankind nears another milestone in the "Nuclear Age." Skiffs are dropped into the water at carefully determined locations to record radio-active fall-out.

THE HYDROGEN BOMB -- 3

Perched precariously, a sailor removes a plastic cap covering another device used to measure the fall of radio-active dust in Bikini Lagoon. From the Estes will come final orders to drop the bomb. But other preparations must be completed on shore. In exposure boxes, which will snap open fifteen seconds before the blast, are placed samples of wood, paper, cloth, grass and tree branches.

As H-Hour nears, the drop crew receives a final briefing. The timing MUST be perfect -- combining the pilot's skill with the split-second planning of hundreds of technicians on the ground.

Regular and slow motion cameras are set up by the Joint Office of Test Information to film the historic explosion from different angles.

In bunkers on Enyu island, scientists are only twenty miles from target.

Finally, the B-52 Stratofortress -- world's biggest and fastest intercontinental bomber -- is on its way -- the bomb tucked in its belly.



## THE HYDROGEN BOMB -- 4

A black and white bulls-eye and blinking lights pin-point the target island of Namu.

The plane is eight miles high as it nears Namu.

The Bomb's away as the supersonic giant banks sharply and flees. It will be fifteen miles away when the plummeting bomb explodes at ten thousand feet.

The bomb's brilliance washes aircraft in the sky with the intensity of five hundred suns. Seen from sea level, the star is a flaming sword -- in the distance -- trying to pierce the fireball that is hidden above the long-hanging clouds.



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THE HYDROGEN BOMB -- 5

A terrifying sight -- even from an airplane fifty miles away. Here the full, blinding brilliance is shrouded in so-called "ice caps" caused the heating -- and then cooling -- of water vapor in the air around the fireball. Here, in a boiling cloud of silver-white, creamy-white, orange and red is energy equal to ten million tons of TNT. And still, America has built bigger and more powerful H-Bombs.

Now, the fireball begins to knife through the "ice cap" -- a giant superearthy cloud that keeps climbing and spreading -- threatening to envelop the whole earth. Flashing heat that scorches the sand and sears the earth.

Here is power. Power men have dreamed of for centuries -- come true in ten tense years. Power to destroy. Power to create. Who will use it? And how? Mankind can only wait, and hope, and pray.