b-005440

FORM NO. 5.

BOX NUMBER

CAMERA

CAMERAMAN'S CAPTION SHEET

OLYMPIC KINEMATOGRAPH LABORATORIES, LTD.

BRITISH PARAMOUNT NEWS DEPT.

SCHOOL ROAD, LONDON, N.W.10

DATE MAILED: 1st.May. 55.

CAMERAMAN: Ronnie Read. SOUNDMAN:

STORY COVERED: R.A.F. Climatic Research Laboratory. LENGTH EXPOSED: 600.

PLACE OF EVENT: Farnborough. 1806 x 15? HOW SHIPPED:

STOCK USED: Plus.X. EMULSION NUMBER: PROD. No.:

VERY IMPORTANT! Write Plainly—Spell Names Correctly—Use Typewriter if Possible

SCENE NUMBER	COMPLETE DESCRIPTION OF SCENES
	Long gen view shots of the Electrical Control Sect,with blowing tunnels etc.
Box.1.	W.A.Shot showing the Main Control Panel of the Climatic Research Labs. Here the air wall and floors temperatures and wind speed in the main Test Tunnel are controlled and recorded. Various shots and looking through spy hole. Mr.H.Lundy(Scientific Officer) finishes dressing and mounts the "Treadmill" and commences walking at 3 mph. Temperature is 20'f. windspeed about 10mph. Various shots showing how the air is drawn through the tunnel with massive fan, air speeds can go up to 40mph and temperatures below freezing 170'f. After walking for about an hour on the Treadmill the Officer is then immersed in a special tank known as a Bath Calorimeter,it is fitted with extremely accurate temperature recording instruments and will measure the amount of oxygen he uses during the thirty minutes he remains in the bath. By measuring the temperature of the bath and of the subject it is possible to determine the amount of heat which the subject lost during the hour he spent walking the treadmill. These results together with the subjects comments on comfort of the suit make it possible to test all types of clothing for flying personell and to give them the best protective clothing to combat any kind of climatic conditions which they may meet. Various shots of entering the Bath and close ups of the Recording instruments etc.
	FOOT SWEAT SEQUENCE. ..... G.D.Forwell RAF Doctor) Various shots and close ups on Flying Officer [illegible] (RAF Medical Officer) making tests on the Sweat Bath. Attached dope.
	.....
	Repeat shots on the Test Tunnell at very low temperatures,the effect may be quite good ther being quite a lot of condensation. Mr.H.Lundy(Scientific Officer)
	.....
	TESTS ON THE AIR VENTILATED SUIT. No close ups allowed on the method of tubing on this suit. Various shots of Flying Officer G.Brindley putting on clothing assisted by Dr.D.M.K.Kerslake who is in charge of all experiments.Senior Physiologist. Attached dope. Shot of the weight test after a session in tunnel.
	.....
	The Medical Personell (RAF) are always their own "Guinea Pigs" on all the experiments and it has taken them two years to perfect the plant.
	.....
	Any more dope needed please phone Dr.Kerslake at Farnborough.
	.....
	BBC Film Section filmed for a special feature to be used very shortly. Otherwise exclusive.
	Personell: Head of Climatic Section. Dr.D.McK.Kerslake.
	Bath and Tunnel sequence. Mr.Lundy.
	Foot Sweat sect. Flying oFFicer G.D.Forwell RAF Doctor.
	Special ventilated suit. F/O.Brindley. Electric Control: Mr.Seymour.

WHICH OTHER SOUND NEWS REELS COVERED STORY

.. .. SILENT .. ..

Tests on Air ventilated Suit.

The air conditioning of an entire aircraft cabin may necessitate large and heavy refrigeration machinery. In order to reduce the weight penalty of this plant, ventilated clothing is being developed. Conditioned air is led directly to the skin under the clothing – where it is actually needed – and subject may be kept comfortable in this way ~~under conditions~~ when exposed to very high temperatures which may be met with in flight or in aircraft on the ground awaiting take off.

The subject is seen ~~here~~ already wearing the air ventilated suit, over which he wears his flying overall. The suit is connected to a supply of air at a known temperature and humidity. The sweat loss of the subject during the period of the exposure is estimated by weighing him before and after the exposure.

Subject F/O. G. Brindley. Observer Dr D. McK. Kerslake.

Subject F/O G Brindley

Box ①. G.V. Panel. Control.
Dressing Scenes thro window
Put finish dressing on to
"Treadmill" Scenes.

Box 2. "Fan slow to Max.
Metabulatism Room" undressing
G.V + Close up antenna
C.U. in top.
C.U. Breathing Apparatus
+ Temp. recording ".

Arti. Fort Sweat. Various shots

Repeat Arti. With Mist. walking through
Steam coming thro.