

Title: Pollution and drosophila experiments.

Producer: Jim Stevenson.

Contributors: Mike Pentz,
Peggy Varley,
P.J. Lawther,
B.T. Commins.

CU S 100/B (1972)

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Summary: The work on monitoring atmospheric pollution at the MRC Air Pollution Unit is examined. The results of the student drosophila experiment are presented and discussed.

Seq.	Time.	Footage.	Sequence List.	Sound Cue
1	1'11"	18	Short film clip of two students doing the SO ₂ experiment in their garden. Mike Pentz introduces the programme. He explains why the data sent in by students for the SO ₂ experiment was not analysed this year.	
	4'27"	65	Brian Commins, MRC Air Pollution Unit, St. Bartholomew's Hospital, London, with apparatus which monitors air pollution, particularly SO ₂ . He explains how it works and then compares a summer reading with one taken in winter. Commins shows two other pieces of equipment which are used to monitor air pollution at the MRC. He explains how they work and their respective advantages.	
	15'56"	212	P.J. Lawther, MRC Air Pollution Unit, describes the effects of the 1952 London smog. He explains the efforts which were made to discover which substance in the smog was injurious to health. Lawther uses several charts and an electron micrograph to illustrate his discussion.	...study it more.
	16'34"	219	Mike Pentz introduces the drosophila sequence with Peggy Varley.	Well, now we've...
	17'56"	235	Varley constructs a histogram which shows the total number of drosophila caught and bred by students in 1971. Subobscura and melanogaster are treated separately.	
	19'31"	253	Varley constructs a histogram which plots the number of drosophila caught and bred against various substrates used (banana, peel, yeast) The data is for 1971.	

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PROGRAMME SEQUENCE LIST

Continuation

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