

Title: Pollution and drosophila experiments.

Producer: Jim Stevenson.

Contributors: Mike Pentz,
Steven Rose,
Peggy Varley.

CU S 100/B (1973)

Tape No. 6HT/71143

Project No. 00525/1152

O.U. film no.

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Form VTR

Duration 24'25"

Class nos. 595.774045222
628.53

Summary: Results of the two student home experiments are discussed.

Seq.	Time.	Footage.	Sequence List.	Sound Cue
1	2'18"	35	Short film clip of two students doing the SO ₂ pollution experiment in a garden. Mike Pentz introduces the programme. He discusses the problem of timing the SO ₂ experiment to fit in with the OU academic year. Pentz then uses a map of the U.K. to show SO ₂ concentrations as reported by students in 1971.	
	5'12"	77	Steven Rose uses a map of the U.K. to show SO ₂ concentration by study centres as reported by students in 1973. He briefly discusses this geographic distribution.	
	5'49"	85	Rose looks at weather maps of the U.K. for the dates, in 1971 and 1973, when the experiments on atmospheric SO ₂ concentrations were done to find a possible reason for the large differences in the data collected.	
	7'48"	112	Rose constructs a histogram which shows the relationship between SO ₂ concentrations and various weather conditions. He compares this with a histogram made from 1971 data.	
	10'08"	143	Rose constructs a histogram which groups SO ₂ concentrations according to type of home environment. He compares this with a histogram made from 1971 data.	
	12'07"	168	Rose constructs a graph which plots SO ₂ levels against time of day. He compares this with a 1971 graph and then speculates on reasons why SO ₂ levels vary with time of day.	
	12'17"	170	Mike Pentz sums up.	..the drosophila experiment.

PROGRAMME SEQUENCE LIST
Continuation

Seq.	Time	Footage	Sequence List	Sound Cue
2	14'36"	199	Peggy Varley with a map of the U.K. She points out the percentage of students from each region who made returns for the drosophila experiment.	Three hundred and....
	15'50"	214	Varley constructs a histogram which shows the number of drosophila collected and bred in jars exposed for four and eight days respectively. She compares this with a 1971 histogram.	
	17'10"	229	Varley constructs a histogram which shows the number of flies caught and bred in various substrates (banana, peel, yeast). She compares this with a 1971 histogram.	
	19'48"	260	Peggy Varley constructs a histogram which compares numbers of drosophila bred in various environments. Subobscura and Melanogaster are also compared. Varley compares this histogram with one from 1971.	
	22'19"	288	Varley uses a map of the U.K. to show the distribution of drosophila parasites reported since 1971. She adds those reported in 1973.	
	24'25"	311	Pentz sums up. Credits.	