

## PESTICIDE RESIDUALS SYMPOSIUM

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The following interesting features of some of the data made available at a recently held Symposium on Pesticides are set out for readers to ponder.

Table 1 below shows the pesticide residuals as p. p. m. of D. D. T. and retrieved from human flesh in various parts of the world. This was all the data presented indicated. What I have added here is the degree of latitude to parallel each of the localities quoted for the residual figure obtained.

## PESTICIDE RESIDUALS IN HUMAN FAT.

TABLE 1

LOCALITY	D. D. T. (p. p. m.)	DIELDRIN (p. p. m.)	LATITUDE
U. S. A.	11. 7, 6. 7, 11. 1, 10. 3	0. 15, 0. 11, 0. 31	50° N - 30° N
U. K.	2. 2, 3. 3, 3. 9	0. 21, 0. 26, 0. 21	58° N - 50° N
Israel	19. 2	Not Available	31° N - 33° N
Melbourne	1. 8	0. 05	38° S
Perth	9. 5	0. 67	32° S

It will be seen from the graph derived from Table 1 that there is some evidence of a direct correlation between latitude and quantity of residual pesticide recovered except in the case of Melbourne.

Would it be possible that concentration of residuals in the human body is related to insulation of ultra violet rays and/or direct temperatures experienced? Melbourne does not seem to fit the graph properly; perhaps there is a "Venturi" effect on temperatures experienced there, caused by the constriction of land masses between Victoria and Tasmania.

From all this it is possible that covering of the skin of the body is important in hotter climates and possibly the importance of over-eating - or even protection from the humble conflagration of your winter open fire.

ex TABLE 1

GRAPH OF D.D.T. RESIDUALS IN p.p.m.  
FOR VARIOUS LOCALITIES (IN LATITUDE)

