

TABLE 1
DATA ON FLIGHT RESPIRATION RECORDED IN THE LITERATURE

Author	Species	Temperature (° C.)	O ₂ Up-	O ₂ Up-	O ₂ Uptake	Remarks
			take at Rest (Cu. Mm. per Gram per Min- ute)	take in Flight (Cu. Mm. per Gram per Min- ute)	in Flight <hr/> at Rest	
Tauchert.	<i>Apis mellifica</i>	21	1,217	Running about very ac- tively; sometimes flying
Kosmin, Alpa- tov, and Res- nitschenko.	<i>A. mellifica</i>	{ 35	4,600
		{ 18	9	5,200	580	
		{ 11	4	4,400	1,100	
Jongbloed and Wiersma.	<i>A. mellifica</i>	{ 21	32	1,679	52	Good flyers Poor flyers
		{ 21	33	1,274	39	
Kalmus.	<i>Deilephila el- penor</i>	20-22	2.8	104	37
Raffy and Portier	{ <i>Thais cassan- dra</i> <i>Sphinx ligustri</i>	20-25	6.7	3,605	540	Fluttering of wings in- duced by nicotine poi- soning
		20-25	13.3	400	30	