

Appendix Table 9d. A summary of the social activities of workers in Cage No. 4 (February 1980).

Social activity		Bee Number				
		1	2	3	4	5
Bee offers to others	(A)	17	27	40	24	10
Others accept offering	(B)	1	1	1	4	1
Others offer to bee	(C)	16	28	29	24	21
Bee accepts offering	(D)	1	4	2	0	1
Bee begs from others	(E)	8	10	4	5	6
Others give in response	(F)	4	6	3	1	4
Others beg from bee	(G)	5	4	6	14	4
Bee gives in response	(H)	4	1	3	8	2
Total times others feed bee	(D+F)	5	10	5	1	5
Opportunities bee had of feeding from others	(C+E)	24	38	33	29	27
Total times bee feeds others	(B+H)	5	2	4	12	3
Opportunities bee had of feeding others	(A+G)	22	31	46	38	14
Degree of Subordination		0.23	0.16	0.09	0.32	0.21
Degree of Dominance		0.21	0.26	0.15	0.03	0.19
Social Index		0.92	4.08	1.74	0.11	0.86
Age at death (days)		9	8	8	9*	9*

* Bees killed on ninth day

Appendix Table 9a. A summary of the social activities of workers in Cage No. 5 (February 1980).

Social activity	Bee Number				
	1	2	3	4	5
Bee offers to others (A)	7	11	37	23	21
Others accept offering (B)	1	1	6	3	4
Others offer to bee (C)	24	20	23	18	12
Bee accepts offering (D)	8	11	23	13	10
Bee begs from others (E)	18	6	29	30	8
Others give in response (F)	8	6	10	10	4
Others beg. from bee (G)	15	3	20	13	39
Bee gives in response (H)	6	1	7	6	17
Total times others feed bee (D+F)	14	6	13	13	4
Opportunities bee had of feeding from others (C+E)	42	26	34	48	21
Total times bee feeds others (B+H)	7	2	13	9	21
Opportunities bee had of feeding others (A+G)	22	14	37	38	60
Degree of Subordination	0.32	0.14	0.23	0.24	0.33
Degree of Dominance	0.33	0.23	0.28	0.27	0.19
Social Index	1.03	1.62	1.22	1.14	0.34
Age at death	9*	6	9*	9*	9*

*Bees killed on ninth day

Appendix Table 9f. A summary of the social activities of workers in Cage No. 6 (February 1980).

Social activity	Bee Number				
	1	2	3	4	5
Bee offers to others (A)	5	9	18	18	9
Others accept offering (B)	0	2	5	1	0
Others offer to bee (C)	18	12	5	7	17
Bee accepts offering (D)	3	2	0	1	2
Bee begs from others (E)	5	5	3	1	11
Others give in response (F)	2	3	2	0	0
Others beg from bee (G)	4	7	4	3	3
Bee gives in response (H)	2	5	3	4	1
Total times others feed bee (D+F)	5	5	2	1	10
Opportunities bee had of feeding from others (C+E)	23	17	8	8	28
Total times bee feeds others (B+H)	2	7	8	5	1
Opportunities bee had of feeding others (A+G)	9	16	22	23	14
Degree of Subordination	0.22	0.44	0.36	0.22	0.07
Degree of Dominance	0.22	0.29	0.25	0.12	0.36
Social Index	0.98	0.67	0.69	0.58	5.00
Age at death	9	9*	7	9	9*

*Bees killed on ninth day

Appendix Table 9h. A summary of the social activities of workers in Cage No. 8 (February 1980).

Social activity	Bee Number				
	1	2	3	4	5
Bee offers to others (A)	16	56	66	28	23
Others accept offering (B)	2	2	8	7	3
Others offer to bee (C)	41	43	35	33	37
Bee accepts offering (D)	2	7	5	5	3
Bee begs from others (E)	4	21	26	7	5
Others give in response (F)	4	10	9	5	3
Others beg. from bee (G)	5	7	13	23	3
Bee gives in response (H)	5	3	8	12	2
Total times others feed bee (D+F)	6	17	14	10	6
Opportunities bee had of feeding from others (C+E)	45	66	61	40	42
Total times bee feeds others (B+H)	7	5	17	19	5
Opportunities bee had of feeding others (A+G)	31	63	81	51	26
Degree of Subordination	0.23	0.08	0.21	0.37	0.16
Degree of Dominance	0.13	0.26	0.23	0.10	0.14
Social Index	0.59	3.23	1.09	0.67	0.80
Age at death	6	6	9*	9*	7

*Bees killed on ninth day

Appendix Table 9i. A summary of the social activities of workers in Cage No. 9 (February 1980).

Social activity	Bee Number				
	1	2	3	4	5
Bee offers to others (A)	53	30	27	38	50
Others accept offering (B)	7	4	3	0	3
Others offer to bee (C)	36	39	24	43	56
Bee accepts offering (D)	1	1	3	10	2
Bee begs from others (E)	5	11	10	20	12
Others give in response (F)	1	1	8	11	1
Others beg from bee (G)	10	14	11	10	13
Bee gives in response (H)	3	7	6	1	3
Total times others feed bee (D+F)	2	2	11	21	3
Opportunities bee had of feeding from others (C+E)	41	50	34	63	68
Total times bee feeds others (B+H)	10	11	9	1	6
Opportunities bee had of feeding others (A+G)	63	44	38	48	63
Degree of Subordination	0.16	0.25	0.24	0.02	0.13
Degree of Dominance	0.05	0.04	0.32	0.33	0.04
Social Index	0.31	0.16	1.37	16.00	0.35
Age at death	9*	9*	9*	9*	0

*Bees killed on ninth day

Appendix Table 9j. A summary of the social activities of workers in Cage No. 10 (February 1980).

Social activity	Bee Number				
	1	2	3	4	5
Bee offers to others (A)	44	36	22	23	21
Others accept offering (B)	3	4	2	1	1
Others offer to bee (C)	24	30	30	33	29
Bee accepts offering (D)	1	2	1	5	2
Bee begs from others (E)	8	11	10	5	12
Others give in response (F)	0	6	3	3	5
Others beg from bee (G)	9	16	10	1	10
Bee gives in response (H)	2	8	3	0	4
Total times others feed bee (D+F)	1	8	4	8	7
Opportunities bee had of feeding from others (C+E)	32	41	40	38	41
Total times bee feeds others (B+H)	5	12	5	1	5
Opportunities bee had of feeding others (A+G)	53	52	32	24	31
Degree of Subordination	0.09	0.23	0.16	0.04	0.16
Degree of Dominance	0.03	0.20	0.10	0.21	0.17
Social Index	0.33	0.85	0.64	5.05	1.06
Age at death	9*	8	8	4	9*

*Bee killed on ninth day

Author Jackson M E

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