

DATA EXCHANGE

Material in 'Data Exchange' will, in some cases, be of a preliminary and possibly of an unconfirmed nature and is included to assist workers in the field and also for trial and/or comment by others. All correspondence in respect to material published in this section should be directed, in the first instance, to the quoted author.

It is recommended that material from 'Data Exchange' be referenced as, e.g.:

Lane, S. G. (1983), 'Weights and Measurements — Eastern Spinebill', *In* Data Exchange, *Corella* 7: 22.

Hon. Editor

Weights and Measurements

The tables below show that there is little difference in the physical measurements and weights of Western Rosellas *Platycercus icterotis* from two localities in Western Australia. The measurements and weights were recorded from rosellas taken between September 1970 and October 1972 during a study of the species food habits.

The Wickepin area is situated some 229 km S.E. of Perth; the specimens from this area were collected within a radius of approximately 40 km of the Wickepin township. Balingup is situated some 241 km S. of Perth; the specimens from this area were collected within a radius of approximately 20 km of that township. In both areas birds were collected in each month during the period of the study.

Statistical treatment of the data indicates that there are no significant differences (standard t-tests) in the measurements and weights recorded in each area between groups of males or groups of females using the number of wing stripes (0, 1, 2) as an indicator of age. By discriminant analysis there were no significant differences between males at Wickepin and males at Balingup using the measurements of bill length, folded wing, and the number of wing stripes.

New Members

CLAYTON, M., Lyneham, A.C.T.
FOGARTY, F. R., Essendon, Vic.
JAMES, D., Gordon, N.S.W.
MORTON, S., Jabiru East, N.T.
RICH, Dr P. V., Clayton, Vic.
ROGERS, K. G., Arthurs Creek, Vic.
SEDGWICK, E. H., Harvey, W.A.
TALMAGE, M. E., Brighton, Vic.
TARR, J. N. S., Griffith, N.S.W.
TULLOCH, D., Winnellie, N.T.
WAKEFIELD, Dr W. C., Hobart, Tas.
YORK, K. V., Tammin, W.A.

Western Rosella *Platycercus icterotis*

BALINGUP AREA

Balingup, W.A., 33°46'S., 115°59'E.

		Range	Mean	S.D.	n
Total Length (mm)	♂	247-293	271.9	8.5	65
	♀	242-278	260.4	8.6	49
Tail (mm)	♂	127-165	145.3	7.2	66
	♀	126-151	137.8	5.5	47
Wing (mm)	♂	122-142	133.7	4.3	67
	♀	120-137	128.5	4.3	50
Wing Span (mm)	♂	348-417	379.8	16.5	61
	♀	331-394	364.9	14.4	47
Bill Length (mm)	♂	12.7-15.1	14.0	0.5	64
	♀	11.2-14.5	12.9	0.7	51
Bill Width (mm)	♂	8.1-10.5	9.5	0.4	65
	♀	8.0-10.2	8.9	0.4	52
Tarsus (mm)	♂	14.8-19.1	17.7	0.6	60
	♀	14.8-19.0	17.3	0.7	46
Weight (g)	♂	55 -86	62.9	5.3	66
	♀	43 -70	58.5	4.9	51

WICKEPIN AREA

Wickepin, W.A. 32°47'S., 117°30'E.

Total Length (mm)	♂	248-296	277.5	10.9	60
	♀	225-284	262.2	10.4	53
Tail (mm)	♂	129-162	146.7	7.6	59
	♀	125-154	139.4	5.8	52
Wing (mm)	♂	125-149	135.3	4.8	62
	♀	121-140	130.0	4.1	54
Wing Span (mm)	♂	351-413	382.9	16.4	57
	♀	333-400	366.8	14.9	50
Bill Length (mm)	♂	12.4-15.1	13.7	0.6	61
	♀	11.0-14.8	12.5	0.7	51
Bill Width (mm)	♂	8.7-10.5	9.7	0.2	63
	♀	8.0-10.8	9.1	0.5	53
Tarsus (mm)	♂	16.5-19.2	17.9	0.5	57
	♀	16.0-20.1	17.3	0.6	50
Weight (g)	♂	42 -80	65.4	6.7	63
	♀	28 -71	61.2	6.6	52

Determination of sex by dissection.

J. L. Long,
Agriculture Protection Board of W.A.,
Bougainvillea Avenue,
Forrestfield, W.A. 6058.