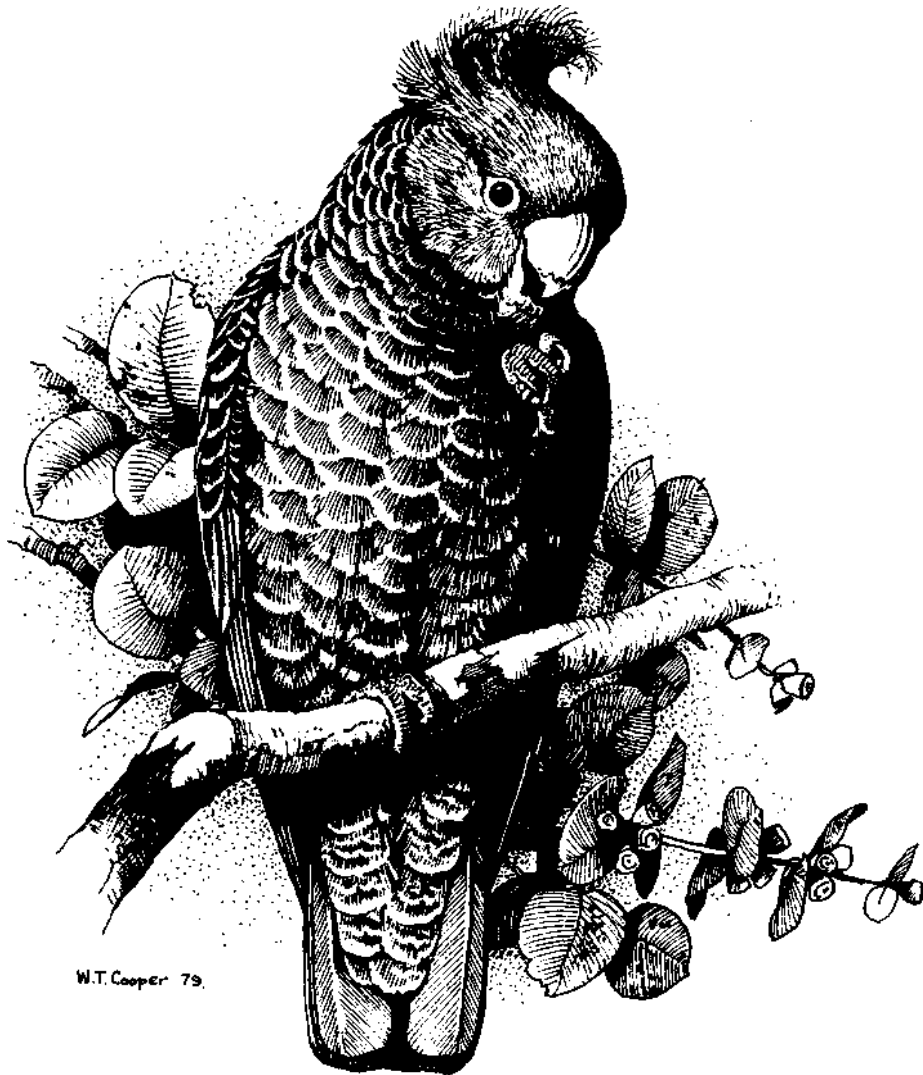


CANBERRA BIRD NOTES

Volume 15
Number 4
December 1990

Registered by Australia Post - publication No NBH 0255



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Bryan FitzGerald (Secretary - Ph 248 5140), Barry Baker, Graeme Chapman, Grahame Clark, Mark Clayton, Neil Hermes, Jack Holland, Richard Schodde.

Annual Subscriptions for 1990 are: Student (under 18 years of age) \$7.50; Single \$15.00; Family \$18.00; Institutions \$18.00. All receive one copy of *Canberra Bird Notes*.

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INTRODUCTION AND ACKNOWLEDGEMENTS

This Annual Bird Report summarises all records of species that occurred in the Canberra region between 1 July 1988 and 30 June 1989. The "Canberra region" is defined in *A Field List of the Birds of Canberra and District*, (3rd Edition, 1985). See also the map on page 71.

There were 216 species recorded during the period. All Status 3 records, as defined in the *Field List*, have been examined and accepted by the COG Rarities Panel.

Ian Baird compiled the data from the Garden Bird Survey and wrote the survey summary. The following members assisted with encoding data into computer readable format from the original charts, Wally Brown, Martin Butterfield, Malcolm Fyfe, Katy Mallett, Rod Morphett and David Purchase. Philip Veerman presented the statistics in table form. Glenda Jackman summarised the breeding records and McComas Taylor made available his program for calculating the statistics.

The Waterbird Survey data were made available by Michael Lenz (Lake Bathurst, Lake George, Lake Ginninderra and Lake Burley Griffin) and Jack Holland (Lake Tuggeranong).

Hugh Possingham, McComas Taylor and Bryan FitzGerald extracted information of particular interest from the ACT Bird Atlas project and the miscellaneous records.

Contributors to the Highlights and to the Systematic List were Ian Baird, Graham Browning, Grahame Clark, Bob Digan, Malcolm Fyfe, Bill Graham, Michael Lenz, Brendan Lepschi, Hugh Possingham and David Purchase.

The Table of Water Levels was produced from data supplied by the Groundwater Program of the Bureau of Mineral Resources. Rainfall and Temperature graphs were prepared by Frank Knight from data supplied by the Canberra Meteorological Office.

HIGHLIGHTS

The highlights of the 1988-1989 year in the Canberra region included the following:

- the sighting of a Black-necked Stork *Xenorhynchus*

asiaticus at Murrumbateman

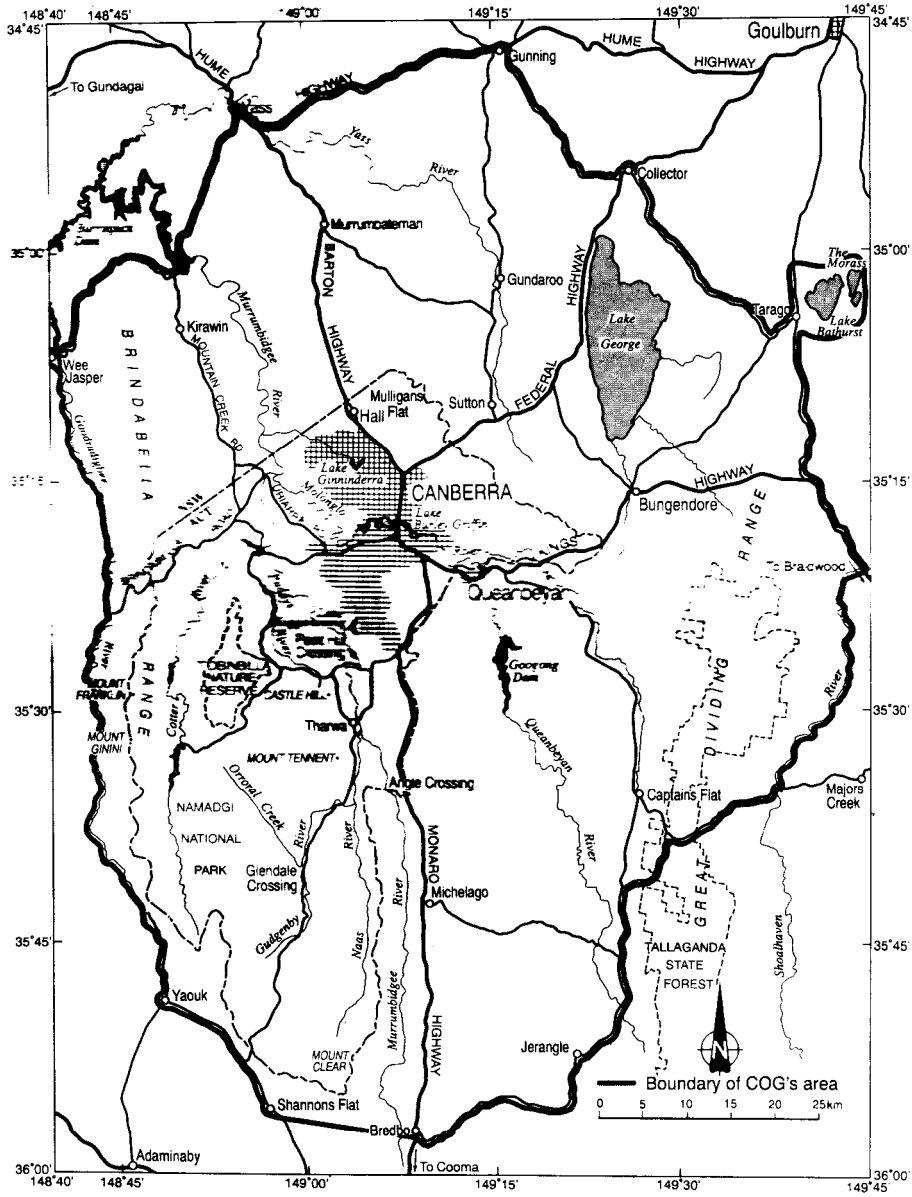
- two breeding records for the Australasian Shoveler *Anas*

rhynchosotis, one of them at Lake Tuggeranong

- the third record for the region of the Ruddy Turnstone

Arenaria interpres at Lake Bathurst

MAP OF THE CANBERRA REGION



- a series of records of the Pectoral Sandpiper *Calidris melanotos* from Lake Bathurst, with up to four birds. These are the first records of this species from the Waterbird Survey
- the first confirmed breeding records for the Australian Crake *Porzana fluminea*, Brown Songlark *Cinclorhamphus cruralis* and Satin Bowerbird *Ptilonorhynchus violaceus*
- a marked decline in the abundance of the Spotted Pardalote *Pardalotus punctatus*, the Striated Pardalote *P. striatus* and the Double-barred Finch *Poephila bichenovii*
- the sighting of a Spangled Drongo *Dicrurus hottentottus* on Mt Majura.
- further sightings of the Masked Woodswallow *Artamus personatus* and Pied Butcherbird *Cracticus nigrogularis*
- an influx of the White-browed Woodswallow *Artamus superciliosus*, with more sightings and breeding records than in any previous year

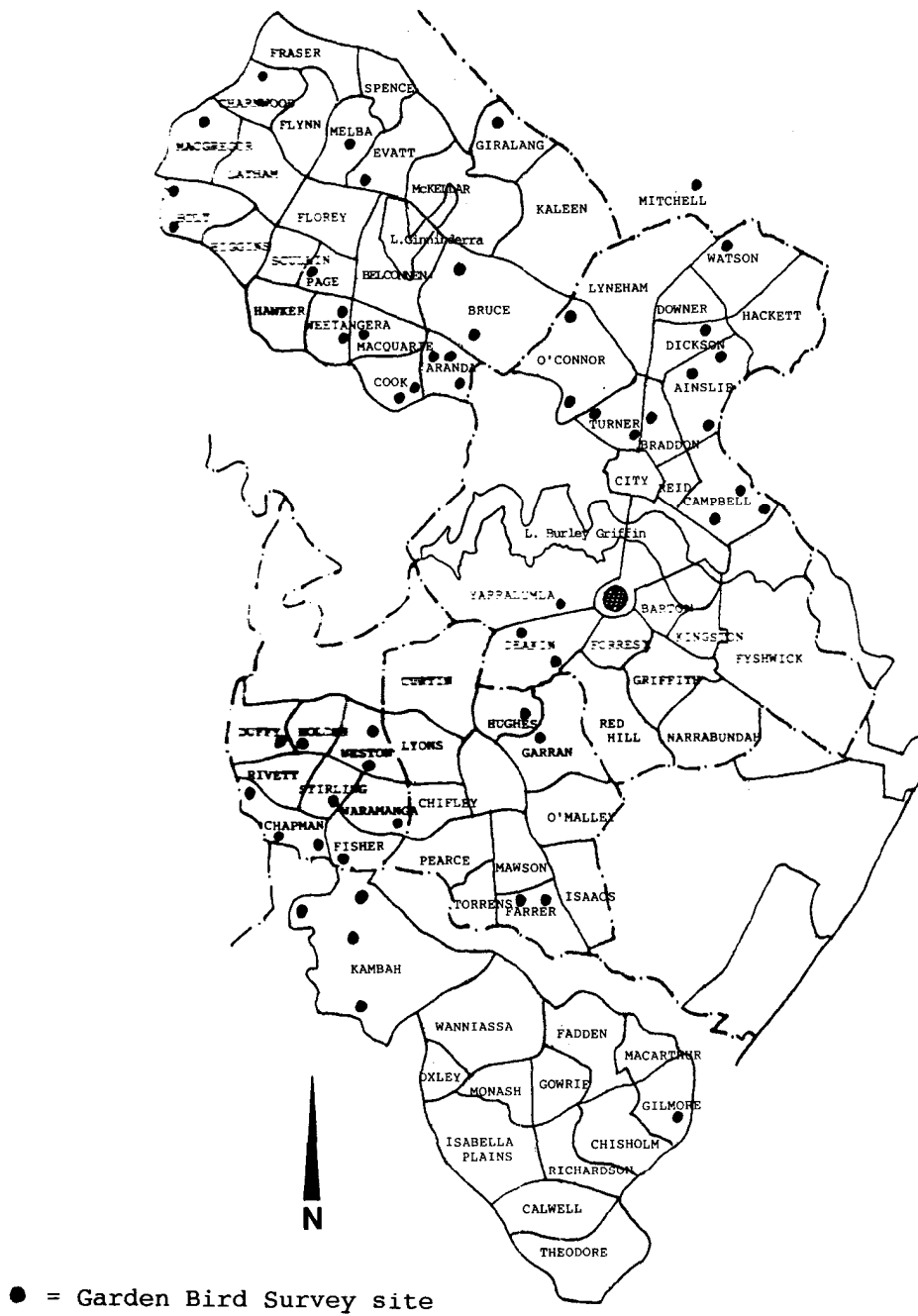
GARDEN BIRD SURVEY

The Garden Bird Survey data are derived from standard charts on which COG members recorded observations on a weekly basis at sites throughout suburban Canberra. Observers record the maximum number of each species seen at any one time during a week within a radius of 100 metres of their home or workplace. A detailed description of the Garden Bird Survey method may be found in *Canberra Bird Notes* 8(1):5. Fifty-six charts were received for 1988-89 (13 fewer than in the previous year). These 56 sites are mapped in Fig. 1.

For species recorded with sufficient frequency, descriptive statistics have been calculated:

- A - a measure of abundance, is the average maximum number of individuals of a species recorded at a site for each week over the full year. A is obtained by adding all weekly observations of a species and dividing the sum by the total number of weeks during which observations were made (ie there were 2342 observer-weeks this year). If A=5.1 then on average, 5.1 individuals of that species were recorded each week, at each site, over the full year.
- F - a measure of distribution, is the number of sites at which a species was recorded at least once expressed as a percentage of the total number of sites (ie 56 sites this year). If F=25% then a species has been recorded, at least once, at 14 sites (25 per cent of all sites).

FIG. 1 - LOCATION OF GARDEN BIRD SURVEY SITES



- W - is the number of weeks in the year for which a species has been recorded at any site. A resident species such as the Australian Magpie-lark is present throughout the year (W=52 weeks); whereas a migrant such as the Dollarbird may only be present for 22 weeks (ie W=22).
- R - a measure of the recording rate, is the number of weeks during which a species was recorded expressed as a percentage of the total number of observer-weeks (2342). For example, the Australian Magpie was recorded during 80 per cent of the observer-weeks (R=80.7%). This means that the Australian Magpie was recorded for 80 per cent of weeks for which observations of any species were made.
- G - is the average number of individuals of a species recorded in each observation. For example, the calculated G value for the Silver Gull is 42.3 which indicates it is usually observed in large flocks.

The values of A, F, W, R, and G for 121 species are recorded in Table 1 together with the percentage change in these values when compared with the 1987-88 data. The species are sorted in descending order, using the A statistic, giving a list with the most abundant species appearing first. Histograms showing the average A statistic for each month are included for species for which there were 30 or more observations. The greatest monthly A value has been used to label the y axis of each histogram. Therefore, when comparing abundance values for different years and/or species allowance should be made for differences in the vertical scale.

When sufficient data were available breeding records giving the first and last nest and/or fledgling records have been included.

TABLE 1. STATISTICAL SUMMARY: GARDEN BIRD SURVEY, 1988-89

STATISTICAL SUMMARY: GARDEN BIRD SURVEY 1988-89
By abundance order

SPECIES NAME	A	dA%	F	dF%	W	dW%	R	dR%	G
Common Starling	10.1968	-15	100.0	0	52	0	69.17	-6	14.7
House Sparrow	8.1789	-4	96.4	-2	52	0	76.81	2	10.6
Silvereye	5.8582	-2	96.4	-1	52	0	66.74	-1	8.8
Galah	5.5619	-16	96.4	-4	52	0	69.56	-8	8.0
Pied Currawong	4.3570	-12	98.2	-2	52	0	73.40	-3	5.9
Sulphur-crested Cockatoo	3.0243	-3	96.4	-2	52	0	51.24	-3	5.9
Australian Magpie	2.5995	3	100.0	0	52	0	80.74	0	3.2
Crimson Rosella	2.4650	5	100.0	1	52	0	76.00	7	3.2
Blackbird	1.9620	11	91.1	0	52	0	72.97	1	2.7
Yellow-faced Honeyeater	1.9214	-56	92.9	-2	52	0	30.79	-4	6.2
Yellow-rumped Thornbill	1.6354	6	91.1	6	52	0	37.23	8	4.4
Red Wattlebird	1.5692	-18	96.4	-2	52	0	69.56	1	2.3
Australian Magpie-lark	1.4577	-9	96.4	-2	52	0	60.97	-4	2.4
Eastern Rosella	1.2481	-17	92.9	-2	52	0	51.32	-8	2.4
Common Myna	1.2024	4	46.4	5	52	0	26.09	15	4.6
Noisy Friarbird	0.8407	-20	92.9	2	42	-9	34.84	-12	2.4
Australian King-Parrot	0.8104	-16	75.0	19	52	0	23.53	4	3.4
Australian Raven	0.7472	17	85.7	-5	52	0	38.26	5	2.0
Black-faced Cuckoo-shrike	0.6725	22	100.0	9	52	0	39.37	16	1.7
White-naped Honeyeater	0.6618	-57	62.5	-16	36	3	9.65	-26	6.9
Spotted Pardalote	0.6576	-24	87.5	2	52	0	35.61	-1	1.8
Striated Pardalote	0.6550	-18	73.2	-12	52	0	29.63	-13	2.2
Weebill	0.6183	15	50.0	0	52	0	21.99	6	2.8
Superb Fairy-wren	0.6059	14	71.4	14	52	0	20.67	12	2.9
Eastern Spinebill	0.4710	-14	87.5	-3	52	0	29.21	-6	1.6
Feral Pigeon	0.3992	-54	53.6	-4	52	0	9.44	-38	4.2
Laughing Kookaburra	0.3984	-20	78.6	-3	52	0	20.41	-22	2.0
European Goldfinch	0.3881	4	60.7	4	51	0	11.87	19	3.3
White-throated Beedletail	0.3779	31	32.1	12	10	-29	1.07	-32	35.4
Grey Fantail	0.3642	28	83.9	11	51	-2	23.31	25	1.6
Red-rumped Parrot	0.3343	-15	41.1	6	52	0	7.77	-17	4.3
Gang-gang Cockatoo	0.3006	-22	62.5	-1	48	-8	10.80	-22	2.8
White-winged Chough	0.2995	-40	23.2	-29	41	-15	3.37	-39	8.9
Silver Gull	0.2895	-74	10.7	7	16	-33	0.68	-34	42.4
Willie Wagtail	0.2280	28	83.9	11	52	0	18.23	20	1.3
Striated Thornbill	0.2054	-1	42.9	7	51	0	6.53	3	3.1
Welcome Swallow	0.1981	48	42.9	11	49	-4	6.62	18	3.0
Brown Thornbill	0.1973	3	37.5	31	52	0	11.10	19	1.8
Fuscous Honeyeater	0.1973	-33	48.2	6	34	0	6.92	-11	2.9
Red-browed Firetail	0.1904	15	26.8	34	40	8	3.89	29	4.9
Rufous Whistler	0.1729	20	66.1	8	52	0	14.05	15	1.2
White-plumed Honeyeater	0.1644	-47	51.8	-25	52	0	8.28	-28	2.0
Golden Whistler	0.1345	-5	50.0	3	41	-15	10.76	-12	1.3
Scarlet Robin	0.1050	24	41.1	-1	40	-7	7.00	23	1.5
White-throated Treecreeper	0.1008	24	23.2	-19	52	2	8.37	33	1.2
Noisy Miner	0.0948	-53	19.6	-19	51	-2	3.76	-37	2.5
Buff-rumped Thornbill	0.0871	-48	21.4	-12	42	-14	3.29	-11	2.6
White-eared Honeyeater	0.0820	-40	60.7	-3	33	-18	6.70	-34	1.2
White-browed Scrubwren	0.0811	21	19.6	37	47	-10	4.44	9	1.8
Maned Duck	0.0764	44	28.6	82	40	8	3.42	66	2.2
Grey Currawong	0.0760	4	32.1	25	52	0	6.19	6	1.2
Dollarbird	0.0645	-9	32.1	-30	26	18	4.27	-5	1.5
Masked Lapwing	0.0623	-18	35.7	9	43	-14	4.18	-11	1.5
Varied Sittella	0.0619	-8	7.1	-37	24	-17	1.20	-13	5.2
Grey Shrike-thrush	0.0572	-29	37.5	-9	43	-16	5.59	-24	1.0
Brown-headed Honeyeater	0.0550	83	1.8	-75	24	26	1.02	52	5.4
Tawny Frogmouth	0.0542	5323	1.8	28	46	1050	1.96	1303	2.8
Olive-backed Oriole	0.0453	-16	33.9	19	40	14	4.44	-15	1.0
Speckled Warbler	0.0431	208	7.1	1	41	141	2.13	174	2.0
Mistletoebird	0.0397	89	17.9	57	29	7	3.20	88	1.2
Southern Boobook	0.0376	-11	39.3	45	37	-8	3.76	-2	1.0
Pallid Cuckoo	0.0367	15	39.3	19	24	4	3.16	2	1.2

TABLE 1. STATISTICAL SUMMARY: GARDEN BIRD SURVEY, 1988-89

STATISTICAL SUMMARY: GARDEN BIRD SURVEY 1988-89
By abundance order

SPECIES NAME	A	dA%	F	dF%	W	dW%	R	dR%	G
Double-barr'd Finch	0.0367	-70	8.9	-65	21	-38	1.07	-53	3.4
Rainbow Lorikeet	0.0337	-14	12.5	-3	25	-17	1.58	-3	2.1
Crescent Honeyeater	0.0333	23	19.6	96	22	-24	3.07	60	1.1
White-throated Gerygone	0.0329	37	17.9	-4	30	3	3.03	30	1.1
Lead'en Flycatcher	0.0307	54	23.2	16	22	0	2.31	51	1.3
Little Raven	0.0260	-64	5.4	-38	2	-88	0.13	-82	20.3
Collared Sparrowhawk	0.0256	113	23.2	62	35	35	1.84	61	1.4
Sacred Ibis	0.0243	1117	5.4	25	6	20	0.34	90	7.1
Fan-tailed Cuckoo	0.0239	33	23.2	25	31	3	2.35	30	1.0
Crested Pigeon	0.0218	98	10.7	51	21	-5	0.90	9	2.4
Sacred Kingfisher	0.0213	113	28.6	82	22	16	2.01	125	1.1
Australian Hobby	0.0213	-45	25.0	-8	27	-37	2.01	-36	1.1
Common Bronzewing	0.0209	-28	7.1	-17	32	-22	1.58	-5	1.3
New Holland Honeyeater	0.0209	423	5.4	25	17	183	0.81	286	2.6
Australian Kestrel	0.0205	-38	23.2	-26	30	-25	1.96	-31	1.0
Black-shouldered Kite	0.0171	-15	12.5	-20	28	-15	1.58	-15	1.1
Shining Bronze-Cuckoo	0.0141	57	14.3	11	22	22	1.41	72	1.0
Yellow-tailed B.-Cockatoo	0.0128	113	1.8	-38	1	-50	0.04	-39	30.0
Horsfield's Bronze-Cuckoo	0.0124	55	17.9	79	20	25	1.15	48	1.1
Australian Pelican	0.0120	-8	10.7	7	8	14	0.34	21	3.5
Zebra Finch	0.0115	476	3.6	-17	17	240	0.73	303	1.6
Pacific Black Duck	0.0111	39	5.4	-6	10	0	0.43	-1	2.6
Brown Goshawk	0.0111	-21	23.2	1	22	-21	1.11	-13	1.0
Satin Bowerbird	0.0107	113	7.1	66	9	29	0.43	33	2.5
Straw-necked Ibis	0.0102	-74	5.4	25	5	-38	0.21	-24	4.8
Western Gerygone	0.0094	370	10.7	269	20	233	0.94	276	1.0
Brown Falcon	0.0085	-22	14.3	0	15	-25	0.77	-6	1.1
Rainbow Bee-eater	0.0081	-59	10.7	149	6	100	0.30	172	2.7
Yellow Thornbill	0.0080	-72	5.36	-25	11	-70	0.47	-68	1.7
Flame Robin	0.0073	-19	7.1	-37	8	-43	0.34	-47	2.1
White-browed Woodswallow	0.0064	NA	1.8	NA	1	NA	0.04	NA	15.0
Rose Robin	0.0060	-34	8.9	-22	8	-56	0.47	-43	1.3
White-faced Heron	0.0060	-15	7.14	-37	12	-14	0.51	-24	1.2
Rufous Fantail	0.0060	20	10.7	-17	10	11	0.51	19	1.2
Little Eagle	0.0060	20	10.7	-32	12	-20	0.51	-3	1.2
Yellow-tufted Honeyeater	0.0051	156	5.4	85	11	450	0.47	571	1.1
Restless Flycatcher	0.0051	156	8.9	57	11	175	0.51	185	1.0
Fairy Martin	0.0050	25	1.79	-38	5	0	0.21	17	2.4
Cockatiel	0.0043	327	8.9	208	6	200	0.34	388	1.3
Brown Quail	0.0043	NA	1.8	NA	1	NA	0.04	NA	10.0
Tree Martin	0.0043	-81	1.8	-75	2	-88	0.09	-87	5.0
Australian Owllet-nightjar	0.0038	284	3.6	155	9	200	0.38	249	1.0
Peregrine Falcon	0.0030	200	8.9	208	6	100	0.26	136	1.2
Wedge-tailed Eagle	0.0030	199	8.9	108	5	25	0.26	83	1.2
White-winged Triller	0.0026	-87	7.1	-17	5	-75	0.26	-75	1.0
Eastern Yellow Robin	0.0021	NA	5.4	NA	5	NA	0.21	NA	1.0
Satin Flycatcher	0.0021	-76	5.4	-46	5	-62	0.21	-72	1.0
Brown Songlark	0.0021	NA	3.6	NA	5	NA	0.21	NA	1.0
Great Cormorant	0.0017	-14	3.6	23	3	0	0.13	NA	1.3
Grey Butcherbird	0.0013	261	5.36	283	3	200	0.13	261	1.0
White-bellied C.-shrike	0.0013	NA	3.6	NA	3	NA	0.13	NA	1.0
Skylark	0.0013	-68	1.8	-38	2	-83	0.09	-80	1.5
Little Pied Cormorant	0.0013	NA	3.6	NA	3	NA	0.13	16	1.0
Peaceful Dove	0.0009	NA	1.8	NA	2	NA	0.09	NA	1.0
Common Koel	0.0009	NA	3.6	NA	2	NA	0.09	NA	1.0
Richard's Pipit	0.0009	-79	3.6	-37	2	-71	0.09	-66	1.0
Budgerigar	0.0009	-57	3.6	-37	2	-67	0.09	-59	1.0
Spotted Turtledove	0.0009	-15	1.8	28	1	-50	0.04	-39	2.0
Rufous Night Heron	0.0004	NA	1.8	NA	1	NA	0.04	NA	1.0
Rufous Songlark	0.0004	-96	1.8	28	1	-93	0.04	-91	1.0
ALL SPECIES COMBINED	66.7264	-13	33.7	3	29	-2	12.22	-1	3.7

WATERBIRD SURVEY

As in previous years the Waterbird Survey data were collected during monthly visits to Lake Bathurst and Lake George (the latter from March onwards) and visits every second month to urban lakes. Throughout this Report a reference to Lake Tuggeranong includes the silt-trap on Tuggeranong Creek, Village Dam on Village Creek, the water quality control pond at Point Hut and Isabella Pond.

In the tables included in this Report waterbird numbers which are underlined indicate that the lake was only partly surveyed. Figures in *bold italics* indicate breeding (non-flying young Present but their numbers not included in totals).

Flooding of formerly dry areas of Lake George in April/May attracted a substantial number of waterbirds for a short period. At both natural lakes, Lake Bathurst and Lake George, bird numbers had declined dramatically by the end of the reporting period (June 1989). After the heavy and widespread rainfall birds had most likely moved to wetlands outside of our area.

TABLE 2. WATER LEVELS (Metres)

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	1.32	1.36	1.43	1.37	1.25	1.31	1.46	1.37	1.21	2.13	2.33	2.36
Morass	1.2	1.75	1.76	1.69	1.57	1.61	1.61	1.49	1.38	2.79	3.18	3.18
LGeo.	1.92	1.29	1.39	1.41	1.32	1.33	1.52	1.32	1.19	1.97	2.16	2.29

TABLE 3. NUMBER OF WATERBIRD SPECIES

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	20	-	<u>23</u>	-	22	-	24	-	19	-	21
LGIN	-	13	-	12	-	12	-	13	-	13	-	9
LTug	-	10	-	16	-	19	-	19	-	10	-	8
LBth	19	26	23	23	30	27	24	30	32	24	20	17
LGeo									21	24	20	11

TABLE 4. NUMBER OF WATERBIRD INDIVIDUALS

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	402	-	706	-	<u>1022</u>	-	2163	-	<u>676</u>	-	<u>506</u>
LGIN	-	166	-	254	-	458	-	845	-	298	-	763
LTug	-	113	-	272	-	416	-	525	-	174	-	111
LBth	1821	2284	3043	2719	4325	2464	2793	8105	4619	1532	1646	1259
LGeo									<u>10632</u>	9493	6636	1340

ACT BIRD ATLAS PROJECT AND MISCELLANEOUS RECORDS

In addition to the results of the Garden Bird Survey and Waterbird Survey, the Annual Bird Report has traditionally been the means of publishing miscellaneous records. 1988-89 was the final year of the ACT Bird Atlas project and almost all records within the ACT found their way into the Atlas database. Altogether 2244 record sheets were submitted to the Atlas project for the year 1988-89.

The Atlas project survey was based on a grid system in which each grid was a 2.5' by 2.5' rectangle. Where necessary the location of a record is referred to or clarified by a grid number, eg "Gr 72". The location of the grids in relation to the ACT is shown in Fig. 2.

The total number of breeding and non-breeding records has been extracted from the database for each species. Interesting records have been listed, particularly breeding records. We recommend that this report be read in conjunction with the maps of the fifth interim Atlas results (Taylor 1990). Note however, that the maps summarize **results** for the entire three-year period of the Atlas project.

A small number of miscellaneous records from outside the ACT are included. We hope that the formation of the new database scheme covering the **enlarged COG region will encourage members to improve the coverage of areas outside the ACT.**

EXPLANATIONS

The names and sequence of birds in the Systematic List conform to the RAOU "Recommended English Names for Australian Birds", *Emu* 77, Supplement (May 1978) and with order and family groupings arranged according to convenience.

For this Report the status of the species has not been included. The Project Sub-committee believes that, with the results of projects indicating a need to revise some previously held views on the status of certain species within the Canberra region, it would be preferable to omit this feature pending completion of a thorough review of all available information.

As applicable, information relating to each species is in the sequence: Garden Bird Survey (GBS), Waterbird Survey (WBS), ACT Bird Atlas project (Atlas) and miscellaneous records (Misc).

Records are set out in the following format: number of individuals/date, place (observer). For example, "5/10 May LBGE (BlJ)", indicates 5 birds on 10 May at Lake Burley Griffin East and the observer was Joe Bloggs. An "n" (nest) or "fle" (fledgling) or other abbreviation as appropriate, may take the place of the number of individuals.

Garden Bird Survey data are often in the form "2wk May", "2wk" referring to the second week of the month. The dates of each week are shown at the top of the Survey chart and are listed in *Canberra Bird Notes* 12(1):13.

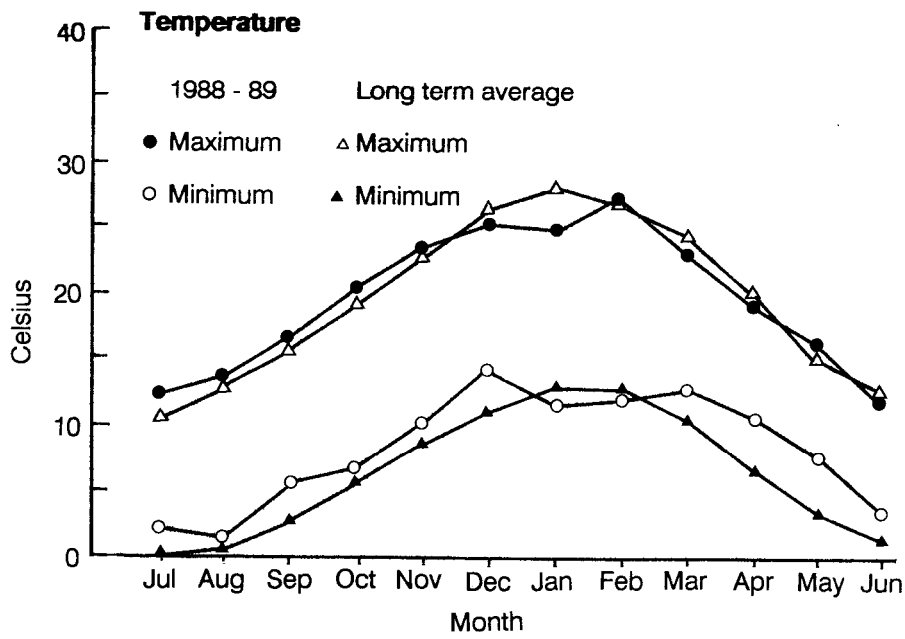
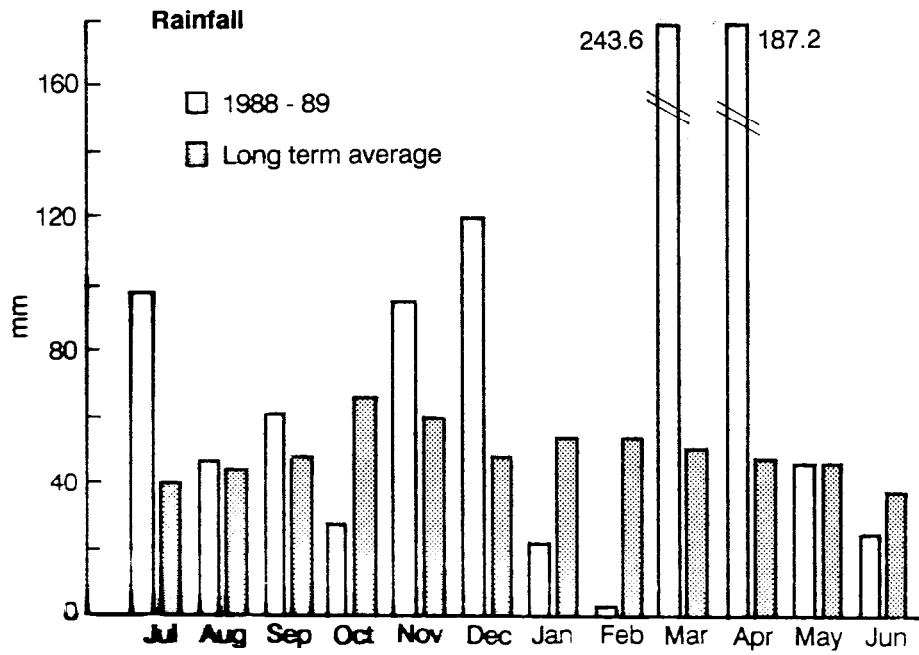
Note that ACT Bird Atlas data do not, for the most part, include date of month or number of individuals. Since Atlas data were compiled primarily on a presence basis such detail is included only in respect of less common species, for which reports were submitted to the Rarities Panel, or of breeding records.

Numbers and distribution of birds within the species list are often compared with the previous year. Therefore, unless indicated otherwise, a statement in this report such as "overall numbers lower" should be taken to mean lower than in 1987-88.

In this Report the words "record(s)" and "observation(s)" are not used to indicate the number of birds involved. Where appropriate the number of individuals has been included.

Abbreviations are explained on page 82. Observers are identified by codes which have been developed for use in both the Annual Bird Report and the COG Database. These are detailed on page 83.

RAINFALL & TEMPERATURE 1988-89 AND LONG-TERM AVERAGES



ABBREVIATIONS

The following abbreviations include most used in previous editions of the Annual Bird Report but they have been added to and, in some cases, modified to facilitate their use both in the Report and the COG Database.

ad..... adult
ANBG... Australian National Botanic Gardens
ANU.... Australian National University, Acton
Atlas.. ACT Bird Atlas project
CBN.... Canberra Bird Notes
cf..... carrying food
Ck..... Creek
CSIRO.. Commonwealth Scientific and Industrial Research Organisation. The abbreviation will be followed by the precise location, eg CSIRO Gungahlin
dy..... dependent young
E East
fle.... fledgling
f..... female
GBS.... Garden Bird Survey
Gr..... ACT Bird Atlas project grid (number)
Hs..... Homestead
imm.... immature
juv.... juvenile
LBth... Lake Bathurst
LBG.... Lake Burley Griffin
LBGE... Lake Burley Griffin East (includes Jerrabomberra Wetlands)
LBGW... Lake Burley Griffin West
LGeo... Lake George
LGIN... Lake Ginninderra
LTug... Lake Tuggeranong
m..... male
max.... maximum
min.... minimum
Misc... miscellaneous (records)
Mt/Mtn. Mount/Mountain
N North
n nest
nb..... nest building
ne..... nest with eggs
nr..... near
ny..... nest with young
Pk..... Park
pr..... pair
R..... River
Ra..... Range
Rd..... Road
S South
TNR.... Tidbinbilla Nature Reserve
UNIC... University of Canberra, Bruce
W West
WBS.... Waterbird Survey
wk..... week

OBSERVERS

AbD	Abigail, Doug	FiB	FitzGerald, Bryan	MiP2	Minogue, Peter
AlB	Allan, Barbara	FiJ	Fisk, Jenny	MoA	Morrison, Alastair
AlR	Allen, Richard	FiD	Fletcher, Don	MoJ	Morse, Jock
AnB	Anderson, Bernice	FuP	Fullagar, Peter	MoM	Moncur, Mike
APCS	ACT Parks & Conservation Service	FyM	Fyfe, Malcolm	MuA	Munns, Alan
AtF	Atkinson, Frank	GiJ	Gibson, John	MuS	Murray, Sally
AtM	Atzeni, Michael	GWV	Gillard, Neil & Win	NiA	Nicholls, Nick
BaJ	Barr, Joe	GrB	Graham, Bill	OMP	Ormay, Mary & Peter
BCR	Bowman, Candy & Roger	GuG	Guy, George	OsW	Osborne, Will
BeC	Bennett, Catherine	GuM	Gunning, Marion	PaN	Payne, Nick
BeR1	Bell, Robert	HaF	Harper, Fran	PaR	Parnell, Rob
BeR2	Bennett, Ross	HaH	Hahne, Horst	PeB	Pennefather, Barrie
BFM	Butterfield, Martin & F	HAJ	Holland, Andrea & Jack	PeJ	Penhallurick, John
BiJ	Bissett, John	HaK	Hahne, Kay	PfD	Pfanner, David
BoJ	Bounds, Jenny	HaR	Harvey, Roy	PhC	Philpott, Carolyn
BrG	Browning, Graham	HoB	Horrigan, Bill	PoH	Possingham, Hugh
BrM1	Braysber, Mike	HoJ1	Holland, Jack	PrN	Preston, Nora
BrM2	Brookfield, Muriel	HoJ2	Hone, Jim	PuD	Purchase, David
BuA	Buick, Andy	HuN	Hunter, Neale	ReG	Redmond, Gillian
BuM	Butterfield, Martin	JaG	James, Glenda	ReJ	Redmond, Jim
CaC	Cannon, Chris	JoD	Johnson, Delia	RoC	Rowell, Cecily
CaJ	Calaby, John	KeJ	Kennedy, John	RoD	Ross, Doug
ChS	Chittick, Shirley	KeR1	Kennesore, Rosemary	RoP	Roberts, Peter
ChV	Chapman, Val	KeR2	Kernot, Rob	RoT	Ross, Tony
CJJ	Colman, J & J	KiM	Kirk, Mildred	SmD	Smillie, Daniel
ClG1	Clark, Grahame	KuF	Kustason, Tommi	SmM	Smith, Maureen
ClG2	Clifton, Graham	KrS	Kral, Shirley	SMM	Sexton, Mary & Maurice
ClM	Clayton, Mark	LaB	Lambie, Bruce	SoM	Soroka, Michael
ClS	Cleland, Sylvia	LaD	Landon, David	TaM	Taylor, McComas
CoD	Cowley, Del	LaJ	Lawford, Jenny	ThR	Thackway, Richard
CoM	Coley, Mike	LAJ	Landford, Alan & Julia	TuE	Tulip, Ellen
CrB	Crome, B	LaM	Larkin, Matthew	VaJ	Vandermark, Jo
CrH	Crowley, Helen	LeB	Lepschi, Brendan	VeP	Veerman, Philip
CrI	Crawford, Isobel	LeJ	Lepschi, John	WaA	Walsh, Alan
DaB	Daly, Barbara	LeM	Lenz, Michael	WaF	Watchorn, Fred
DaC	Davey, Chris	LiB	Lindenmayer, Bruce	WAH	Wright, Alan & Hazel
DaT	Daukus, Tony	LiM	Lintermans, Mark	WeG	Werren, Garry
DCM	Dow, Coral & Murray	LuN	Luff, Noel	WeS1	Webb, Sue
DiB	Digan, Bob	MaB	Martin, Bill	WeS2	Welch, Steve
DoH	Dowling, H	MaD	Magrath, David	WhJ	Whatman, Jean
DoM	Doyle, Mike	MaK	Mallett, Katy	WiB	Wilson, Brendan
DrA	Drew, Alex	MaP	Mahoney, Paul	WiS	Wilson, Steve
DuG	Duggan, Geoff	MaR	Mason, Richard	WrH	Wright, Hazel
EdS	Edgar, S	MaW	Martin, Warren	WrM	Wright, Michael
EGR	Elliott, Grahame & Robyn	McB	McMillan, Bob		
		McD	McDonald, David		
		McI	McMahon, Ian		
		McR	McDonald, Bob		
		MeR	Metcalf, Rosemary		****
		MiP1	Milburn, Peter		

SYSTEMATIC LIST

EMU

Emu *Dromaius novaehollandiae*

Atlas: 7 non-breeding records, TNR and environs.

GREBES

Great Crested Grebe *Podiceps cristatus*

WBS: 3/20 Nov LBth.

Atlas: 4 non-breeding records: Feb, Mar, Apr, LBG (LiM MiPl TaM); and 15 Oct LTug (BiJ). 2 breeding records: both dy/Mar Apr LBG (LuN McI).

Misc: 1 ad and 2 imm/11 Mar Sullivan's Creek ANU (LaJ).

Hoary-headed Grebe *Poliiocephalus poliocephalus*

WBS: Seasonal distribution similar to previous years.

Totals are the highest since 1984-85 for LBth and the lowest since 1984-85 for LBG:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG		4	-	15	-	69	-	66	-	6	-	1
LGIN	-	0	-	0	-	0	-	0	-	0	-	0
LTug	-	10	-	11	-	30	-	30	-	1	-	0
LBth	12	79	46	103	48	116	701	492	1165	9	31	11
LGeo										90	109	58 176

Atlas: 55 non-breeding records. 3 breeding records: 8 Oct Gr 6 (EGR); ne/6 Dec off Captain's Flat Rd Gr 59 (FiB); 18 Dec Point Hut Silt Trap Gr 77 (LaB).

Australasian Grebe *Tachybaptus novaehollandiae*

WBS: Numbers were the lowest since 1981-82 for LBG and LGIN, slightly lower than 1987-88 for LTug, and the highest since 1983-84 for LBth:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG		2	-	0	-	0	-	54	-	1	-	1
LGIN	-	3	-	0	-	1	-	2	-	0	-	15
LTug	-	4	-	16	-	2	-	7	-	0	-	0
LBth	0	0	0	0	0	0	0	1	18	4	13	2
LGeo										0	87	72 30

Atlas: 205 non-breeding records. 32 breeding records from a wide area: first Sep Mitchell Gr 16 (ReG,FuP); last dy/5 Mar Yaouk Road Gr 157 (McD).

PELICAN, DARTER & CORMORANTS

Australian Pelican *Pelecanus conspicillatus*

GBS: 8 records of birds flying overhead, Jul Aug Oct Nov
Jan Mar May, number of individuals from 1 to 7.

WBS: Overall numbers lowest since 1984-85. As in previous
3 years greatest numbers were on LBG:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	18	-	37	-	7	-	0	-	0	-	2
LGIN	-	3	-	1	-	3	-	0	-	0	-	3
LTug	-	0	-	2	-	2	-	2	-	0	-	2
LBth	3	0	0	0	0	11	2	0	0	0	0	0
LGeo									1	0	0	0

Atlas: 86 non-breeding records with a monthly distribution
similar to the WBS (i.e. greatest numbers Aug to Dec): Jul(4
records); Aug(15); Sep(13); Oct(15); Nov(9); Dec(15);
Jan(3); Feb(3); Mar(2); Apr(0); May(2); Jun(5). The majority
of records (73) were from urban lakes and environs.

Darter *Anhinga melanogaster*

WBS: Records only from LBG and LBth, slightly fewer than
previous years:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	-				0	-	2	-		0	-	3
					3	C	0	1		0	0	0

Atlas: 9 non-breeding records, Aug Sep Dec Jan Feb Mar Jun
LBG (BUJ GiJ Lela LiM ROD). 1 breeding record, dy/2 Feb
Molonglo Reach Gr 39 (LiM).

Great Cormorant *Phalacrocorax carbo*

GBS: 3 records, Nov Mar Apr, of birds flying overhead,
number of individuals from 1 to 2 (FyM LaM).

WBS: Numbers and seasonal pattern similar to previous
years:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	20	-	54	-	37	-	9	-	10	-	5
LGIN	-	4	-	8	-	5	-	4	-	6	-	1
LTug	-	0	-	0	-	3	-	11	-	1	-	0
LBth	0	1	0	0	0	0	0	1	0	0	0	0
LGeo								2		0	0	0

Atlas: 148 non-breeding records with a monthly distribution
similar to the WBS: Jul(11 records); Aug(14); Sep(20);
Oct(22); Nov(14); Dec(15); Jan(8); Feb(10); Mar(8); Apr(13);
May(6); Jun(7).

Pied Cormorant *Phalacrocorax varius*

WBS: 1/21 Aug LBGW (LuN).

Little Black Cormorant *Phalacrocorax sulcirostris*

WBS: Overall numbers similar to previous 2 years. However, 21 in Oct is the highest ever recorded on LTug (previous was 7 in Oct 1983):

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	20	-	28	-	6	-	8	-	2	-	3
LGIN	-	25	-	58	-	5	-	6	-	11	-	7
LTug	-	0	-	32	-	0	-	4	-	0	-	1
LBth	0	0	0	0	0	0	0	0	6	3	1	1
LGeo									0	0	0	0

Atlas: 99 non-breeding records with a monthly distribution similar to the WBS (i.e. highest numbers Jul to Oct): Jul(11 records); Aug(14); Sep(14); Oct(15); Nov(9); Dec(7); Jan(1); Feb(9); Mar(9); Apr(6); May(3); Jun(1). 1 breeding record: ny/2 Feb Molonglo Reach Gr 39 (LiM).

Little Pied Cormorant *Phalacrocorax melanoleucos*

GBS: 3 records of single birds flying overhead, Aug Mar Apr (EGR MOM).

WBS: LBG numbers highest since 1984-85, particularly in Feb Apr Jun; LGIN numbers lower than last year; LBth numbers highest since 1982-83:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	8	-	9	-	2	-	30	-	11	-	18
LGIN	-	4	-	0	-	0	-	20	-	8	-	3
LTug	-	1	-	0	-	0	-	8	-	0	-	0
LBth	0	0	0	0	3	4	2	9	9	19	19	1
LGeo									1	2	71	0

Atlas: 195 non-breeding records with the highest numbers in autumn and winter: Jul(21 records); Aug(28); Sep(25); Oct(11); Nov(4); Dec(7); Jan(8); Feb(20); Mar(20); Apr(24); May(11); Jun(16).

HERONS, EGRETS & BITTERNS

Pacific Heron *Ardea pacifica*

The greatest number of records since 1978-79.

WBS: Records only from LTug LBth and LGeo:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LTug	-	0	-	0	-	1	-	0	-	0	-	0
LBth	0	1	0	0	0	4	1	0	4	0	0	0
LGeo									0	0	1	0

Atlas: 31 non-breeding records from 22 sites, mainly in NE ACT, Aug(1 record) Sep(2) Oct(4) Nov(5) Dec(10) Jan(2) Feb(3) Mar(2) Apr(1) Jun(1).

White-faced Heron *Ardea novaehollandiae*

GBS: 12 records from Mitchell Bruce Evatt Holt.

WBS: With the exception of LGin, the numbers of birds were the greatest for several years: LBG greatest since 1983-84; LTug greatest ever recorded; and LBth greatest since surveys began in 1981-82. Exceptionally large numbers in Apr and May at LGeo (for which surveys have recently resumed):

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
LBG		2	-		6	-	6	-	6	-	14	-	7
LGin	-	0	-		1	-	0	-	1	-	0	-	0
LTug	-	0	-		4	-	15	-	13	-	10	-	10
LBth	0	3	0		1	2	5	2	5	13	6	19	1
LGeo										55	130	121	6

Atlas: 355 non-breeding records. 3 breeding records: ny/11 Dec Gungahlin Hill Gr 15 (RoD); ad with dy/2 Jan NW corner Gr 74 (CrI); ad with dy/21 Jan Bidges Road Gr 18 (CrI).
Misc: 3/11 Dec LGin (AlB).

Cattle Egret *Ardeola ibis*

PBS: Fewer records than last year:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	0	-	36	-	0	-	0	-	0	-	6
LGin	-	0	-	0	-	1	-	0	-	0	-	0
-		0	-	0	-	0	-	0	-	0	-	0
h		"	C	,	0	0	0	0	0	3	0	0
LGeo									0	8	15	0

Atlas: 19 non-breeding records: LBGE and environs in Jul Aug Sep Oct lbw Dec Mar Apr (BiJ LeB MCI TaM); LGin in Oct Dec Jun (AlB Bag); Apr Parkwood Gr 5 (DaB); Apr Smith's Rd nr Angle Crossing Gr 108 (HuN); Jun Gr 2 (MiP2); Jul Tharwa Road (TaM).

Misc: 13/9 Oct LGin (AlB).

Great Egret *Egretta alba*

WHS: 2/26 Feb LTug (BiJ Hon), 1/23 Apr LGeo (LeM), 1/21 May LGeo (LeM).

Atlas: 15 non-breeding records: Aug Mar Apr May Jun LBGE (BiJ LiM); Dec Feb Mar LTug (BiJ MCI); Nov Dec Mulligan's Flat Gr 3 (BoJ LeB); Apr CSIRO Gungahlin (ClM), Dec Kowen (MoA), Jan Gr 2 (MiP2), Oct LGin (AlB), and Sep Uriarra Hs Gr 20 (AtM).

Intermediate Egret *Egretta intermedia*

Else: 2/17 May LGin (LuN).

Rufous Night Heron *Nycticorax caledonicus*

GBS: 1/lwk May Holt (DaC).

WBS: 1/18 Dec LTug (ad in breeding plumage).

Atlas: 12 non-breeding records: 31 Oct and 6 Dec off Captain's Flat Rd (MoA FiB); Nov Tharwa Gr 97 (MoJ); Nov LTug (McI); Nov Molonglo R W of Coppings Crossing Gr 23 (FyM); 10 Dec Macgregor (WaA); 11 Dec Warrina Inlet LBG (WaA); 16 Dec Bendora Dam Gr 71 (TaM); 17 Dec Booroomba Hs Gr 85 (GuM); 2 Feb Molonglo Reach (LiM); Feb Gr 22 (BuM); Feb Molonglo Sewage Works (DaT).

Little Bittern *Ixobrychus minutus*

Atlas: 1/18 Dec LBGW (LuN).

STORK, IBISES AND SPOONBILLS

Black-necked Stork *Xenorhynchus asiaticus*

First record since 1981.

Misc: 1/10 Feb Murrumbateman (MaP).

Sacred Ibis *Threskiornis aethiopica*

GBS: 8 records: Oct, Nov, Dec, number of birds varied from 1 to 20 (EGR MaK VeP).

WBS: Numbers similar to previous 2 years:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	0	-	4	-	5	-	8	-	10	-	22
LTug	-	0	-	0	-	0	-	1	-	0	-	0
LBth	0	0	0	0	0	0	2	1	0	1	0	0
LGeo									0	12	108	0

Atlas: 68 non-breeding records: Jul(4 records); Aug(4); Sep(6); Oct(6); Nov(12); Dec(6); Jan(9); Feb(11); Mar(5); Apr(3); May(1); Jun(1). Only 11 of the records were from urban lakes and their environs.

Straw-necked Ibis *Threskiornis spinicollis*

GBS: 5 records: Jul, Nov, Dec, Feb, only single birds seen (ReG, RoC) except 2wk Nov when 20 seen at Holt (EGR).

WBS: Numbers slightly more than last year:

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	0	-	0	-	0	-	0	-	20	-	1
LBth	0	0	0	0	7	0	0	1	0	11	0	0
LGeo									0	12	12	0

Atlas: 29 non-breeding records: Jul(4 records); Aug(3); Sep(1); Oct(2); Nov(4); Dec(7); Jan(3); Feb(2); Mar(1); Apr(0); May(1); Jun(1). Only 4 of the records were from urban lakes and environs.

Royal Spoonbill *Platalea regia*

WBS: 4 records: 1/18 Dec LTug; 1/19 Mar LBth; 2/29 Mar, 2/23 Apr LGeo.

Atlas: 6 non-breeding records: 26 Sep LGIN (LuN); Nov Queanbeyan Sewage Works Gr 46 (MaW); 26 Nov Mitchell (DCM); 21 Dec Lambrigg Gr 87 (AlR); Feb LBGE (BiJ); 24 Feb E side Gr 8 (KeJ).

Yellow-billed Spoonbill *Platalea flavipes*

WBS: 7 records: 1/18 Dec LBG; 1/18 Dec LTug; 2/24 Jul, 2/19 Feb, 2/19 Mar LBth; 1/29 Mar, 1/25 Jun LGeo.

Atlas: 13 non-breeding records: Sep Bruce (BuM); Nov, Dec, Jan, Feb, Mar CSIRO Gungahlin (ClM); Jan, LTug (BiJ McI); 13 Dec LBGE (LiM), 26 Dec LBGE (BiJ), 5 Feb LBGE (BiJ); Mar Garran (PoH); 19 Mar Campbell Pk Gr 27 (BaJ); 23 Apr Point Hut Gr 77 (TaM).

SWAN & DUCKS

Black Swan *Cygnus atratus*

WBS: Urban lakes: in small numbers LBG, 1/Oct LTug; 1 brood/breeding attempt each Aug, Oct, Jun; LBth: more common than in previous two years; max Feb and marked decline over following months. Birds on nests or with small juv Aug to Feb and again in smaller numbers Apr to Jun. LGeo: marked decline from May to Jun; nests May, Jun.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
L B G	3	-	3	-	1	2	-	1	1	-	1	0
LBath	86	118	235	301	364	241	407	713	262	125	95	98
L G e o			2	3	5	4	5	5	3	3	9	9

Atlas: Breeding records included dy/Oct TNR staff (MaB), dy 12 E of Mulligan's Flat Gr 3 (LeB).

Freckled Duck. *Stictonetta naevosa*

US: Only 3 records. 14/19 Feb, 1/19 Mar LBth; 6/29 Mar LGeo (LeM).

Australian Shelduck *Tadorna tadornoides*

WBS: No records from urban lakes (but see Atlas). LBth: present all months, most common Nov to Feb; broods Aug to Nov. LGeo: marked decline from May to Jun.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	27	37	20	31	189	275	107	171	41		10	41
LGeo										135	400	394

Atlas: 3 records of single birds Nov, Mar, Apr LBGE (BiJ).

Pacific Black Duck *Anas superciliosa*

GBS: Only 10 records (8 of those from one site). A=0.011
F=5.3% W=10 R=0.43%.

WBS: Urban lakes: Regular on all lakes in similar numbers as in previous years; max Dec to Feb; broods Oct to Feb.
LBth: in small numbers all months, max Feb to Apr. LGeo: Notable numbers Mar/Apr, few birds left by Jun.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
LBG	-	68	-	79	-	112	-	214	-	113	-	106	
LGIN	-	3	-	17	-	32	-	60	-	9	-	21	
LTug	-	23	-	63	-	94	-	79	-	55	-	43	
LBth	9	8	2	14	14	10	22	50	57	58	36	4	
LGeo										850	840	416	11

Atlas: Distribution of 60 breeding records as follows - Aug (8 records), Sep (7), Oct (15), Nov (9), Dec (8), Jan (2), Feb (6), May (4), Jun (1)

Mallard *Anas platyrhynchos*

WBS: 3 records: 2/Feb, Apr; 4/Jun LBG.
Atlas: One breeding record: dy/Feb Chapman (Hon).

Grey Teal *Anas gibberifrons*

WBS: Urban lakes: Numbers lower than 1987-88, absent Jun; 1 brood Feb LBG. LBth: regular with marked max Feb; broods Oct to Mar and May/Jun. LGeo: Marked decline from Mar to Apr, absent Jun.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
LBG		4	-	21	-	24	-	2	-	7	-	0	
LTug	-	6	-	19	-	24	-	32	-	2	-	0	
LBth	40	85	85	60	295	292	325	3090	1020	343	257	55	
LGeo										5800	345	224	0

Atlas: Breeding records in 11 grids from Sep to Feb.
Misc: 2 broods/19 Feb Bungendore Sewage Farm (BeR2).

Chestnut Teal *Anas castanea*

WBS: Urban lakes: 4 records: 2/23 Oct, 61/19 Feb LBG (notably high number); 2/18 Dec, 19 Feb LTug. LBth: present all months with max Nov, Feb, May; broods Sep, Jan, Feb, Jun. LGeo: notable max Apr.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
LBth	50	32	57	34	310	146	154	324	126	76	206	97	
LGeo										650	925	628	0

Atlas: 8 records Jul to Oct of mostly single birds, except 6/Aug, Sept Gungahlin (ClM), 6/29 Oct Booroomba Hs Gr 85 (TaM). Several breeding records including dy/Aug, Sep, Nov Gungahlin (ClM, FuP) and Oct TNR staff (MaB).

Australasian Shoveler *Anas rhynchotis*

WBS: Urban lakes: in smaller numbers than in previous years. Rare breeding record: 3 juv/18 Dec LTug (Hon, LaB). LBth: More common than 1987-88, summer max already Nov; 1 brood/Nov. LGeo: Notable numbers Mar/Apr, almost completely departed by May.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG		2	-	1	-	1	-	23	-		0	0
LTug	-	0	-	0	-	0	-	11	-		0	0
LBth	42	14	23		75	485	155	90	233	245	9	8
LGeo										900	1670	14

Pink-eared Duck *Malacorhynchus membranaceus*

WBS: Urban lakes: only 2 records: 1/Dec, 6/Feb LBG. LBth: **More common** than 1987-88 with steep increase Feb **BeR2**). LGeo: **only** in small numbers. Species absent in May/June.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	2	10	4	265	354	225	143	2050	500	10	0	0
LGeo									50	20	0	0

Hardhead *Aythya australis*

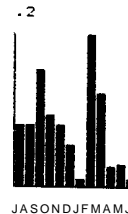
WBS: Urban lakes: Regular LBG, but in smaller numbers than 1987-88. LBth: irregular in small numbers; 1 brood/24 Apr LBth Morass (DoM). LGeo only 1 record Apr.

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LEG	5	-	4	-	21	-	8	-		4	0
LBth	0	5	0	5	0	2	12	25		3	3

Atlas: One breeding record dy/Oct TNR staff (MaB).

Mand Deck *Chenonetta jubata*

OBS: Seasonal distribution pattern similar to 1987-88; 2 early breeding records: n/4wk Jul, n/4wk Aug (EGR). A=0.076 F=28.57% W=40 R=3.42% G=2.24.



WBS: Urban lakes: Number similar to 1987-88, max on all lakes Feb. First broods earlier than in other years: 8 juv/21 Aug LTug (Hon, DrA, BiJ); 13 juv/21 Aug LBG (FLD). LBth: More regular than in other years, max Feb. LGeo: mainly Apr/May.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	39	-	230	-	187	-	738	-		101	65
LGin	-	6	-	44	-	65	-	145	-		18	33
LTug	-	40	-	25	-	145	-	240	-		79	23
LBth	4	22	11	20	42	32	32	462	129		69	32
LGeo										10	535	324

Blue-billed Duck *Oxyura australis*

WBS: Only LBth with max Mar, May.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	0	7	12	10	4	12	7	7	55	23	41	26

Busk Duck *Biziura lobata*

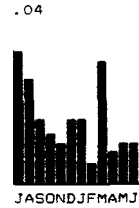
WBS: Urban lakes: the decline of this species continuing: only 3 records of single birds LBG; regular it small numbers only LGin; 1/Feb LTug. 1 possible breeding record: 2 advanced juv/18 Dec LGin (AlB). LBth: All months in small numbers, max Mar.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	1	-	1	-	0	-	0	-	0	-	1
LGin	-	3	-	3	-	3	-	1	-	0	-	1
LBth	1	2	1	2	5	6	11	10	26	9	8	3

KITES, HAWKS, EAGLES AND HARRIERS

Black-shouldered Kite *Elanus notatus*

GBS: All of the variable indicators for this survey show a decline. No records of breeding in urban Canberra (but see Atlas). Records continue to confirm the Black-shouldered Kite as a user of urban fringes and nature parks in preference to the city proper. A=0.017, F=12.50%, W=28, R=1.58%, G=1.08.



wbc: Of the 14 records around the urban lakes 11 were in the Tuggeranong area.

Atlas: 110 non-breeding records. 4 breeding records including ny/Aug Tuggeranong Hill Gr 78 (VeP) and ny/20 May Bruce Gr 15 (RoD).

Black Kite *Milvus migrans*

2 records 1/9 Jan Murrumbateman (LeB), 1/3 Feb Gungahlin (LeB). The last record was 24 Feb 1987.

Whistling Kite *Haliastur sphenurus*

WBS: 1/19 Feb LBth (LeM, MiPl), 2/29 Mar LGeo (LeM) and 2/23 Apr LGeo (LeM).

Atlas: There is a breeding territory of this species nr Uriarra Crossing from where one breeding record ny/Oct. Other records at or near this site 1/31 Jul (LeB), 1/5 Oct (DaC), 1/13 and 14 Oct (Hon), 1/14 Nov (BiJ), 1/14 Jan (VeP), 1/4 Feb (ClG1), 1/24 Jun (TaM).

Misc: 1/24 Mar LBGE (CrI), 1/Jun LBGE (VeP), 1/23 Mar nr Capricorn Stud, Murrumbateman (LeB).

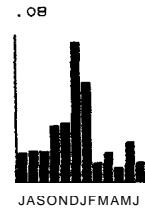
Brown Goshawk *Accipiter fasciatus*

GBS: The decline noted in 1987-88 continued. The only increase in values being for distribution up from 22.9%. A=0.011, F=23.21%, W=22, R=1.11, G=1.00.

WBS: Five non-breeding records.

Atlas: 204 non-breeding records. 11 breeding records including nb/16 Oct SE corner Gr 107 (HoJl), ne/Nov Mt Majura (HoB), ny/11 Dec Gungahlin Hill (RoD), dy/Jan Tuggeranong Hill (GrB) and dy/25 Jan Long Flat Gr 166 (CrI).

Collared Sparrowhawk *Accipiter cirrhocephalus*
GBS: An increase in all values although 33% of records including the only 2 breeding records were from one site in Bruce (BFM).
Atlas: 64 non-breeding records. 2 breeding records dy/Jan and 4 Feb Hurdle Ck Gr 73 (CrI).



Grey Goshawk *Accipiter novaehollandiae*
Atlas: 1/16 Jun Jerrabomberra Ck (BiJ).

White-bellied Sea-Eagle *Haliaeetus leucogaster*
Several records again this year, 23 Apr being a good day. 1/23 Apr and 2/21 May LGeo (LeM), 1/29 Jun LGeo (ClM), 1/7 Apr LBG (CrI), 1/23 Apr LBG (FiB), 1/23 Apr LTug (BiJ), 1/2 Jul Googong Dam (BiJ), 1/20 Aug Tharwa (TaM), 1/24 Sep Casuarina Sands (BiJ), 2/22 Jan Uriarra (DCM). One record from a farm dam 11 Nov nr Kowen Forest (Frank Watson).

Wedge-tailed Eagle *Aquila audax*
GBS: Records of 7 birds over suburbs in N and S Canberra. A=0.003, F=8.93%, W=5, R=0.26%, G=1.17.
WBS: Of 24 records half were at LBth and included 2 imm birds. The largest congregation also at LBth, was of 6 birds.
Atlas: 291 non-breeding records. 1 breeding record 17 Jul Gudgenby Rd Gr 116 (TaM).
Misc: 3 birds seen soaring in a thermal with 9 brown Falcons I Mar nr Murrumbateman (LeB).

Little Eagle *Hieraetus morphnoides*
CBS: The higher recording level of 1987-88 maintained, A=0.006. Again there was no seasonal pattern.
WBS: 10 records of which 7 were from LBth. This pattern is similar to that recorded for the Wedge-tailed Eagle.
Atlas: 121 non-breeding records. 7 breeding records, four from Aug to Nov, Tidbinbilla Tracking Station Gr 64 (RoT) and three from Nov to Jan, Molonglo east of Coppins Crossing Gr 36 (FyM).

Spotted Harrier *Circus assimilis*
Atlas: One record only: 1/12 Mar Ginninderra Pk Hs/Gundaroo Rd Gr 9 (LeB).
Misc: 1 imm/19 Mar LGeo south (LeM).

Marsh Harrier *Circus aeruginosus*
WBS: 3 records of single birds at LBth Morass 18 Dec, 22 Jan, 19 Feb (DoM).
Atlas: 5 non-breeding records - 1/27 Sep Gr 157 (CrI), 1/9 Oct Burbong Gr 58 (WeG), 1/23 Oct and 1/5 Feb Jerrabomberra Wetlands Gr 39 (BiJ), 1/3wk Feb Molonglo Sewage Works (DaT). While the records coincide with the breeding period (usually Sept to Dec) and immediate post-breeding period, the last reported breeding record was in 1984 in the Mitchell/Gungahlin area.

FALCONS

Peregrine Falcon *Falco peregrinus*

GBS: 1/3wk Jan Weetangera (FyM), 1/4wk Mar Kambah (VeP), 1/4wk Apr Kambah (WiS), 1/5wk Apr Kambah (VeP), 2/1wk May O'Connor (APCS), 1/3wk May Farrer (ReD).

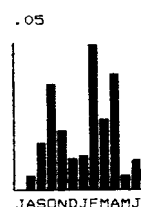
WBS: 4 records at LBth, 1/23 Apr and 2/25 Jun and at LGeo 1/23 Apr.

Atlas: 54 non-breeding records. 3 breeding records from Molonglo Sewage Works Gr 12, Oct, 6 Nov, 2 Dec (ClG1).

Australian Hobby *Falco longipennis*

GBS: 47 records of 50 birds. The main sightings were from Kambah (5), Weston (8), O'Connor (7) and Chapman (10). A=0.021, F=25%, W=27, R=2.01%, G=1.06. The February peak mentioned in the 198788 report continued.

WBS: 3 records. 1/26 Feb Isabella Pond, Tuggeranong (Hon, BuA), 1/23 Apr LBG (BeRl, KiM, FiB), 1/25 Jun Stranger/Pt Hut Ponds (Hon, BiJ,



DrA).

Atlas: 94 non-breeding records. 1 breeding record nb/Oct TNR staff Gr 83 (MaB).

Misc: 1/1wk Jun London Bridge, Googong (LeB).

Brown Falcon *Falco berigora*

GBS: 18 records. No seasonal pattern evident A=0.009, F=14.29%, W=15, R=0.77%, G=1.11.

WBS: 14 records of 21 birds at LBth, LGeo and LTug.

Atlas: 282 non-breeding records. 9 breeding records including ny/9 Oct Burbong Gr 58 (WeG) and Nov Fairlight Rd Gr 11 (AbD), dy/Bulga Ck Gr 50 (BeC) and 2 Jan Mt Jerrabomberra Gr 69 (LiB).

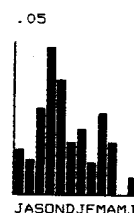
Misc: 9 soaring in a thermal with 3 Wedge-tailed Eagles 1 Mar Murrumbateman (LeB).

Australian Kestrel *Falco cenchroides*

GBS: 46 records. Most from Page (5), Holt (7), Bruce (11) and Kambah (12).

WBS: 21 records at LBth (17 birds), LTug (7) and LGIN (2).

Atlas: 330 non-breeding records. 7 breeding records including ne/Oct Tidbinbilla Tracking Station Gr 64 (RoD), dy/16 Dec Fairlight Rd Gr 11 (DaB) and dy/2 Dec Gr 64 (LaD).



QUAILS

Stubble (mil) *Coturnix novaezelandiae*

WBS: 12 heard/22 Jan LBth (LeM)

Atlas: 46 records, no breeding records.

Brown Quail *Coturnix australis*

Species continues to be recorded more frequently.

GBS: One notable record 3ad, 6juv/30 May UNIC (BCR).

Atlas: 11 records in the following distribution: Jul 1 record/6 birds, Oct 1/1, Nov 2/2, Dec 2/2, Jan 3/5, Apr 1/2, Jun 1/3.

BUTTON-QUAILS, RAILS AND WATERHENS

Painted Button-quail *Turnix varia*

Atlas: 12 records: 10 of 1, 2 of 2 birds; Jul to Jan and Apr.

Little Button-quail *Turnix velox*

First record since 1969: 1/Oct TNR staff (MaB).

Buffbanded Rail *Rallus philippensis*

Atlas: 1/23 Sep nr Burbong Bridge Gr 44 (FiB).

Australian Crake *Porzana fluminea*

WBS: Only records from LBth Morass Nov to Feb with first breeding record for our area: 2/20 Nov, 2ad, 2 juv/18 Dec, 1 ad, 1 imm/22 Jan, 1 imm/19 Feb (DoM).

Dusky Moorhen *Gallinula tenebrosa*

WBS: Urban lakes: Pattern of observations similar to previous years, with more frequent recording autumn/winter; **less common LTug.**

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	36	14	.	15	.	47	-	59	-	62	
LGin	-	55	41	.	43	.	90	.	70	-	95	
LTug	-	0	3	-	5	.	0	.	0	.	0	

Purple Swamphen *Porphyrio porphyrio*

WBS: Urban lakes: Pattern of observations similar to previous years with **more** frequent recording autumn/winter.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	62	26	.	24	-	52	-	120	-	60	
LGin	-	20	22	.	24	.	31	.	44	-	65	
LTug	-	0	2	-	4	.	2	-	1	-	0	

Eurasian Coot *Fulica atra*

WBS: In much lower numbers than in previous years on all lakes, almost absent Jul and again Jun. Urban lakes: Highest numbers Dec to Apr. LBth: More common than 1987-88, but overall numbers low, max Dec/Jan and Mar to May. LGeo: Notable Mar and Apr.

	Jul	Aug	Sep		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	56	-		28	-	82	-	179	-	106	-	10
LGin	-	36	-		43	-	156	-	370	-	185	-	18
LTug	-	2	-		33	-	7	-	0	-	0	-	0
LBth	0	46	10		32	187	282	281	79	275	265	330	12
LGeo										<u>1030</u>	2210	930	200

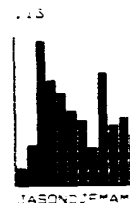
Atlas: 7 breeding records including ne/12 Dec and ny/27 Mar
Kowen Gr 30 (MoA), dy/Oct and Nov TNR staff (MaB), dy/17 Dec
Booroomba Hs Gr 85 (GuM), dy/21 Jan Bidges Rd Gr 18 (CrI).

LAPWINGS, PLOVERS AND DOTTEREL

Masked Lapwing *Vanellus miles*

GBS: Recorded in smaller numbers than 1987-88, most frequently Sep to Nov, Mar. A=0.062 F=35.71% W=43 R=4.18% G=1.49.

WBS: Urban lakes: Pattern of observations similar to previous years, max Dec to Feb. LBth: More common than 1987-88, max Nov/Dec, Mar. LGeo: max Apr.



	Jul	Aug	Sep		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	16	-		19	-	69	-	41	-	43	-	13
LGin	-	4	-		5	-	14	-	7	-	2	-	4
LTug	-	8	-		17	-	22	-	47	-	14	-	8
LBth	42	28	53		59	92	104	50	84	61	77	102	57
LGeo										100	225	137	17

Banded Lapwing *Vanellus tricolor*

WBS: Only LBth. Present Jul to Dec with a new max of over 60 birds Oct/Nov, but only one brood recorded Nov (LeM, MiP2).

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	5	13	5	65	67	3	0	0	0	0	0	0

Atlas: Three breeding records including dy/31 Dec and 28 Feb Yaouk Rd Gr 163 (CrI).

Lesser Golden Plover *Pluvialis dominica*

WBS: Only LBth. Present spring/summer in similar numbers as in previous years.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	0	0	0	0	19	0	21	21	0	0	0	0

Red-kneed Dotterel *Erythrogonys cinctus*

WBS: Only 3 records. 2/26 Feb LTug, 1 imm/20 Nov and 1/19 Mar LBth.

Double-banded Plover *Charadrius bicinctus*
WBS: Only LBth. Present Jul/Aug and Feb to Jun.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	5	23	0	0	0	0	0	1	4	124	51	0

Red-capped Plover *Charadrius ruficapillus*
WBS: Only LBth. Present all months, numbers lower than in previous years.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	63	56	140	45	45	136	180	171	167	4	5	21

Black-fronted Plover *Charadrius melanops*
WBS: Urban lakes: Regular only LTug, there more common than 1987-88; LBG Dec to Jun; 2/23 Oct LGIN, first observation for years (ALB). LBth: one record 3/21 Aug.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG		0	-	0	-	5	-	9	-	11	-	2
LTug	-	15	-	32	-	46	-	39	-	10	-	22

Atlas: 2 breeding records: 29 Nov Naas Rd Gr 127 (BrM2) and Feb Murrumbidgee R Gr 21 (PeB).

STILT AND AVOCET

Black-winged Stilt *Himantopus himantopus*
WBS: Lath in small numbers Sep to Dec, Mar. LGeo: 1/29 Mar.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	0	0	4	8	11	2	0	0	3	0	0	0

Red-necked Avocet *Recurvirostra novaehollandiae*
WBS: 33/21 Aug LBth (BeR2, LeM), 13/29 Mar LGeo (LeM).
 Mize: 1/20 Aug nr Uriarra Hs (FyM, McD, RoT).

SANDPIPERS AND ALLIES

Ruddy Turnstone *Arenaria interpres*
WBS: Third record for area. 1/20 Nov LBth (LeM).

Latham's Snipe *Gallinago hardwickii*
WBS: Urban lakes: Present Aug to Apr, max 8/18 Dec LBGW (BeR1); first April record: 1/23 Apr LTug (HoJ1, BuA).
 LBth: 1 rare record for this area: 2/21 Aug (LeM).

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG		1	-	1	-	8	-	4	-	0	-	0
LTug	-	0	-	0	-	0	-	1	-	1	-	0

Sharp-tailed Sandpiper *Calidris acuminata*
 WBS: Only LBth. In much lower numbers. Present only Aug to Nov.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	0	5	17	65	6	57		28	78	8	0	0

Pectoral Sandpiper *Calidris melanotos*
 WBS: Notable records from LBth with up to 4 birds, these are the first for the WBS: 2/20 Nov (LeM, MiP2, KnT, McR); 1/22 Jan (LeM, MiPl, LeB); 4/19 Feb (MiPl, LeM).

Curlew Sandpiper *Calidris ferruginea*
 WBS: Only LBth. Only present Oct, Nov, Feb, Mar.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBth	0	0	0	39	5	0	0	1	3		0	0

GULL AND TERNS

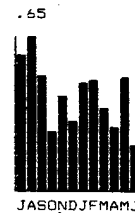
Silver Gull *Larus novaehollandiae*
 GBS: 16 records, mostly from N. Canberra. All months except Dec, Feb and May. Sightings involved between 1 and 250 individuals. Average numbers seen down by 74%.
 WBS: Urban lakes: Very low numbers, common only Dec to Feb (LBG) and Mar (LGIN). LBth: The increase in water level again provided nesting sites on islands inaccessible to foxes and stock. Numbers similar to previous years, the figure of 2380 birds Sep includes 8% fully developed juv (MiPl). LGeo: Max May.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
LBG	-	26	-	-	47	-	330	-	590	-	28	-
LGIN	-	0	-	1	-	80	-	100	-	400	-	30
LBth	1400	1800	2380	1400	1800	500	200	140	580	270	280	810
LGeo		<u>1</u>	<u>7</u>	<u>0</u>	<u>0</u>	1	5	0	0	2	7	5

Whiskered Tern *Chlidonias hybrida*
 WBS: Only LBth. 14/23 Oct, 15/18 Dec.

PIGEONS AND DOVES

Feral Pigeon *Columba livia*
 GBS: The decline noted in 1987-88 continued. Abundance values since 1984-85 have been: A=1.25, 1.108, 1.198, 0.871 and in 1988-89, 0.399. The earlier pattern of observations showing a marked summer decline in numbers was not as evident.
 Atlas: 186 non-breeding records. 5 breeding records, all within the Canberra urban area, including nb/lwk Aug ANU (MiP2) and ny/4wk Nov Campbell Pk (TaM).



Spotted Turtledove *Streptopelia chinensis*
 GBS: One record only, 2/26 Oct Holt (EGR).

Peaceful Dove *Geopelia placida*
(Addendum: 5/18 Aug 1987 Kirawin (MoD))

GBS: 1/7 May Watson (PhC).

WBS: 1/23 Oct LBG Acacia Inlet (HaK), 1/18 Dec LBG Acacia Inlet (HaH).

Atlas: Five records on or adjacent to the Cotter Rd Gr 50 and 51; 1/16 Jul Bibaringa (WAH), 1/13 Aug Murrumbidgee R/Bulga Ck (WAH), 4/14 Aug Cotter Rd (WAH), 1/20 Nov Bulga Ck (WAH), 1/26 Feb Bibaringa (WAH), 2/10 Dec Paddys R Gr 50 (WAH) and 1/7 Apr Gungahlin Gr 15 (ClM).

Diamond Dove *Geopelia cuneata*

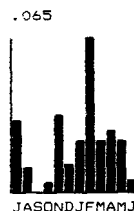
Atlas: 1/10 Oct Uriarra Crossing Gr 11 (PeB), 1/8 Jan Cotter R Gr 72 (DCM).

Common Bronzewing *Phaps chalcoptera*

GBS: Average number seen down by 27 per cent on 1987-88. Present throughout the year in Cook (BrM2). Other records in Aranda (MaD), Duffy (SMM) and Chapman (HAJ).

Atlas: 158 non-breeding records. 4 breeding records; first 1wk Oct Campbell Pk Gr 27 (TaM), last ne/21 Jan Campbell Pk/Majura Rd Gr 27 (BaJ)

Misc: 1/22 Jan 17 km SW Tarago (LeB), 1/30 May



Cotter Rd/Streeton Dr (LeB). Records of single birds 23 Nov Lyneham and 2 Feb Ainslie (LeM).

crash Bronzewing *Phaps elegans*

Atlas: Due record only. 1/8 Apr Bendora Dam/Cotter R Gr 71 BiJ).

Mize: 1/24 Mar Corin Dam ski area (PaN).

Crested Pigeon *Ocyphaps lophotes*

CBS: Number of records (21) about the same as for 1987-88. Records from Holt from Aug to Apr including one (4wk Mar) of seventeen birds (EGR), from Watson in Sep, Feb, Mar and Jun (HoB) and from Charnwood 1/5wk Jan (MaK), 1/2wk Jan Kambah (BeR2), 1/1wk Dec Holder (ThR) and 2/5wk Oct Gilmore (GrB).

Atlas: 89 non-breeding records. 6 breeding records, the first 25 Sept Macgregor Gr 6 (EGR) and the last 4wk Nov Mt Jerrabomberra Gr 69 (CoM).

Misc: Regular in small numbers at Murrumbateman (LeB). Records of single birds 23 Nov Lyneham and 2 Feb Ainslie (LeM).

Wonga Pigeon *Leucosarcia melanoleuca*

Atlas: 135 non-breeding records covering all months of the year. Forested areas W and S ACT, including 1 Jul Blue Ra Hut Gr 19 (WeS2), 23 Jul Cotter Gap Gr 113 (LuN), 24 Sep Two Sticks Rd Gr 19 (WrM), 13 Jan Honeysuckle Ck Gr 115 (HoJ2), 29 May Warks Rd Gr 60 (BrG).

COCKATOOS

Yellow-tailed Black-Cockatoo *Calyptorhynchus funereus*
GBS: One record of a flock of 30/4wk May Deakin (NiA). Atlas:
151 non-breeding records. One breeding record nb/21 Aug in
NE corner of Gr 30 (FiB).

Gang-gang Cockatoo *Callocephalon fimbriatum*
GBS: The fourth consecutive decrease in abundance
since a peak in 1983-84. Abundance values since
1984-85 have been A= 0.86, 0.59, 0.46, 0.39 and in
1988-89, 0.30.
Atlas: 468 non-breeding record. 2 records of
birds inspecting hollows 15 Sep Fishing Gap trail
Gr 83 (TaM), 4 Sep Cotter Hut Rd Gr 112 (BoJ).

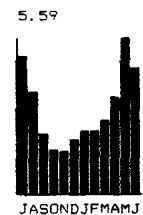


Galah *Cacatua roseicapilla*
GBS: A 16% decrease in abundance since last year
but no clear trend in numbers. A late spring low
in abundance is the only clear seasonal trend.
First n/3wk Nov Ainslie (LeM). First fle/4wk Oct
(VeP); last fle/2wk Mar Holt (EGR).
WBS: At LBth there appears to be a seasonal
pattern with a peak in abundance in the winter. Atlas:
1497 non-breeding records. 62 breeding
records including ne/1 Sep Ainslie (TaM) and ny/30
Oct Naas Rd Gr 117 (BrM2).



Little Corella *Cacatua sanguinea*
Two records, possible escapees: 1/26 Oct Holt (EGR), 2/23
Jun Farrer (SmM).

Sulphur-crested Cockatoo *Cacatua galerita*
GBS: First n/3wk Sep Farrer (ChS). First fle/4wk
Aug Holt (EGR); last fle/4wk Feb Farrer (SmM).
WBS: Largest numbers were at LBth: 250 Jul and
237 Apr, and LBG 121 Jun.
Atlas: 1192 non-breeding records but only 7
breeding records including ne/17 Dec Campbell Pk
(DCM).

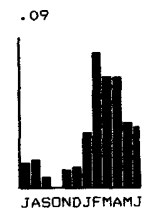


LORIKEETS

Rainbow Lorikeet *Trichoglossus haematodus*
Addendum: 1986-87 Annual Bird Report (Veerman et
al. 1988 CBN 13(3): p. 80) amend GBS record of 2
birds observed in Weston "from Jan to Feb" to read
"from Jul to Feb".

GBS: Confirmed sightings of these birds are
scattered through Canberra as follows: 1/18 Jun
Weetangera (FyM), 1/Sep Ainslie (TaM), 2/17 Nov,
18 Dec and 26 Mar Aranda (HaK), 2/29 Jan Kambah

Pool (BiJ), 1/14 Jun Lyneham (McI), 2/4wk Feb
Macquarie (CoD). There were also sightings of two
birds on eight separate occasions between 5wk Jan
and 3wk Apr Kambah (VeP).



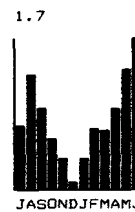
PARROTS

Australian King-Parrot *Alisterus scapularis*

GBS: Although numbers have ceased increasing the distribution was wider than ever before with records from 75% of all gardens. First fle/2wk Nov Dickson (CJJ).

WBS: The greatest number observed at LBG was 86 in June.

Atlas: 254 non-breeding records. 6 breeding records, five of dy including: 7 Jan Orroral Valley fire trail Gr 103 (MiP1), 14 Jan Gr 61 (HaR) and 28 Jan Pierces Ck Hut Gr 63 (TaM).



Superb Parrot *Polytelis swainsonii*

Atlas: 5 non-breeding records: 25 Sep O'Connor Ridge (LeB), 11 Oct Kambah (probably an escapee) (PrN), 27 Nov and 17 Dec Hall cemetery and showground (AlB), and 22 Jan firing range in Gr 28 (WaF). Record of dy/23 Dec Fraser (BrM1).

Misc: 1/12 Nov Murrumbateman (ClG1). Regular in small numbers spring/summer at Murrumbateman (LeB).

Cockatiel *Nymphicus hollandicus*

Three records of single birds in urban Canberra all probably escapees. Flock of three 4 Dec Kambah Pool (BiJ). Pr/9 Nov, Barton Hwy N of Nanima turnoff (LeJ).

Budgerigar *Melopsittacus undulatus*

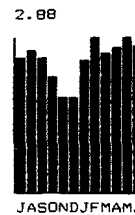
GBS: 1/3wk Dec Holt (EGR).

Rise: 1/12 Mar LGin (McI).

Crimson Rosella *Platycercus elegans*

GBS: Very consistent seasonal pattern and abundance from year to year, although there have been five consecutive, small (< 5%) increases in abundance. First fle/3wk Dec Kambah (VeP), last fle/2wk Feb Dickson (CJJ).

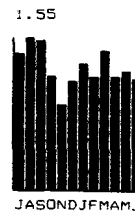
Atlas: 1568 non-breeding records. Of 44 breeding records only four of ne or ny: 1 Oct Campbell Pk (BiJ), 1 Nov Bruce (BuM), 6 Nov Mt Ainslie Gr 26 (LeM), and 12 Nov 2km W of Stromlo Observatory Gr 35 (SmD).



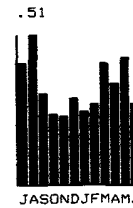
Eastern Rosella *Platycercus eximius*

GBS: Lowest abundance since the GBS began may be part of a long-term decline. First fle/1wk Dec Farrer (SmM), last fle/1wk Feb Dickson (CJJ).

Atlas: 950 non-breeding records. 31 breeding records of which five were of ne or ny including: 17 Sep Campbell Pk (BaJ), 19 Nov Gudgenby R Gr 117 (BrM2), and 7 Dec Molonglo R Gr 12 (RoD).



Red-rumped Parrot *Psephotus haematonotus*
 GBS: The abundance of this species continues to decline quite rapidly. Abundance values since 1984-85 have been: A= 0.76, 0.68, 0.62, 0.53, 0.39 and in 1988-89 0.33.



WBS: The Feb LBG survey found a remarkable 101 individuals.

Atlas: 455 non-breeding records. Only 8 breeding records of which four were dy and four were unspecified.

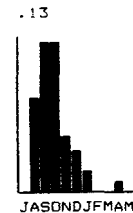
Lovebird sp *Agapornis sp.*

Two records of single birds: Aranda on consecutive days 1415 Jun (KeRl) and 4 Mar Weston (LeB).

CUCKOOS

Pallid Cuckoo *Cuculus pallidus*

GBS: Abundance (A=0.037) up on 1987-88 but still well below the 1985-86 average of 0.061. Seasonal pattern similar to previous years with some increase in August records. First 1/1wk Aug Bruce (HaK), last 2/1wk Apr Bruce (HaK).



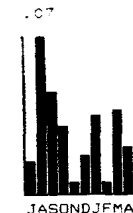
Atlas: 212 non-breeding records; first 17 Jul Bibaringa Gr 50 (WrH), last 4 Jun Mt Ainslie Gr 26 (DCM). 3 breeding records; dy/Oct Gr 23 (FyM), 7 Dec Lower Molonglo Gr 12 (RoD), 28 Feb Gr 125 (VaJ).

Brush Cuckoo *Cuculus variolosus*

Atlas: 61 non-breeding records; first 4 Sep Tharwa Rd/Naas Rd Gr 117 (BrM2), last 5 Mar Hurdle Ck Gr 73 (CrI).

Fan-tailed Wan() *Cuculus pyrrhophanus*

GBS: Abundance (A=0.024) up on 1986-87 by 33 per cent. Monthly pattern of observations similar to previous years although somewhat higher than usual in the autumn months. First 1/3wk Jul Ainslie (FiB), last 1/4wk Apr Ainslie (FiB).



Atlas: 550 non-breeding records covering every month of the year. 3 breeding records; dy/12 Nov Nursery Ck Gr 124 (DCM), 15 Jan Corin Dam Gr 91 (TaM), 18 Feb Tidbinbilla Rd Gr 75 (TaM).

Black-eared Cuckoo *Chrysococcyx osculans*

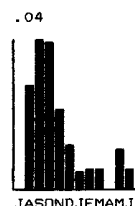
2 records. 1/19 Nov Hall Cemetery (AlB), 1/26 Feb O'Malley (PoH).

Horsfield's Bronze-Cuckoo *Chrysococcyx basalis*

GBS: Abundance (A=0.012) up by 50 per cent on 1986-87. Unusually late records in Mar, Apr and Jun. First record, 1/1wk Aug Kambah (WiS), last 1/4wk June Bruce (BFM).

Atlas: 217 non-breeding records. 3 breeding records; dy Nov Jerrabomberra Gr 69 (CoM), ny/Dec LGin Gr 14 (AlB), 5 Jan Rangers Cottage Gr 92 (DuG).

Shining ~~Bronze~~Cuckoo *Chrysococcyx lucidus*
 GBS: Abundance (A=0.014) up by 35 per cent on 1986-87. First record 1/2wk Aug Ainslie (FiB), last 1/2wk June Ainslie (FiB) unusually late.
 Atlas: 254 non-breeding records covering every month of the year. 3 breeding records; dy/7 Nov Mt Gingera Gr 100 (CrJ), 20 Nov Gudgenby Gr 141 (GuG), 3wk Jan Gr 23 (FyM).

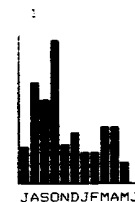


Common Koel *Eudynamys scolopacea*
 GBS: 1/2 Nov Kambah (VeP), 1/11 Jan Mt Arawang (BiJ).
 Atlas: 7 non-breeding records; 1 Nov Mt Taylor Gr 52 (GuG), 28 Nov Red Hill Gr 39 (MaW), 2 Dec Yarralumla (CaJ), 6 Dec Red Hill Gr 54 (MaW), 30 Dec Corin Rd Gr 92 (TuE), 1 Jan Pearce Gr 52 (GuG), 5 Jan Campbell Gr 26 (WaF).
 Misc: 1/1 Jan Mt Wanniasa Reserve (RoP).

OWLS

Powerful Owl *Ninox strenua*
 Atlas: 8 non-breeding records - 1/Aug Blundells Ck Rd Gr 46 (CrH), 1/Oct TNR staff Gr 73 and Gr 83 (MaB), 1/Nov Hurdle Ck Gr 73 (CrI), 1/19 Nov Mt Franklin Rd Gr 70 (MaW), 1/17 and 18 Dec Cotter Rd Gr 111 (AlR), 1/16 Feb TNR (ClG1), 1/19 and 20 Mar Booth Ra Gr 148 (HoJ2).

Southern Boobook *Ninox novaeseelandiae*
 GBS: 88 records of single birds, a drop from the 101 recorded in 1987-88. No breeding records. A=0.038, F=39.29%, W=37, R=3.76%, G=1.00. The question raised last year whether the pattern of records is a reflection of actual numbers present or increased calling, remains valid.



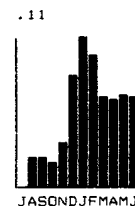
Atlas: 134 non-breeding records. 13 breeding records, including ne/Nov LGin Gr 14 (AlB) and 23 Oct LBG Gr 38 (HaK), ny/24 Nov Weetangera Rd Gr 12 (MaK) and 4 Dec Naas R Gr 135 (BoJ), dy/6 Nov Mt Ainslie Gr 27 (LeM).

Barn Owl *Tyto alba*
 Atlas: 3 non-breeding records - 1/25 Aug LGin Gr 14 (BFM), 1/Oct Aranda Gr 24 (HaK), 1/28 Apr Commonwealth Pk Gr 26 (TaM).

FROGMOUTH AND ALLIES

Tawny Frogmouth *Podargus strigoides*

GBS: 46 records, all from Cook (BrM2), all months except Jul. These 46 records were the result of the regular observation of a pair which nested in the area. They successfully raised three young.



Atlas: 26 non-breeding records. 4 breeding records including ne/18 Sep NBG Gr 25 (TaM), ny/31 Oct off Captain's Flat Rd Gr 59 (MoA), dy/17 Dec Cotter Rd Gr 111 (AlR).

Australian Owlet-nightjar *Aegotheles cristatus*
 GBS: 9 records at 2 sites in Ainslie and Bruce. This is a considerable increase on the 3 records of 1987-88. A=0.004, F=3.57%, W=9, R=0.38%, G=1.00.
 Atlas: 23 non-breeding records. 4 breeding records, 3 at Mt Stromlo Oct and Nov, Gr 35, 1 Nov Gr 36 (SmD) and 1 at Queanbeyan 1 Apr Gr 56.

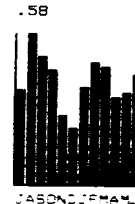
SWIFT

White-throated Needletail *Hirundapus caudacutus*
 GBS: 25 non-breeding records. First 4wk Dec, 2 Weetangera (FyM), 16 Kambah (VeP). 15 Weston (LeB), 35 Waramanga (TuE). Last 50/1wk Apr Weston (BoJ). Average group size 35 was double that of 1987-88.
 WBS: One record only, 100/19 Mar LBth (MiP2).
 Atlas: 56 non-breeding records.

KINGFISHERS, BEE EATER AND DOLLARBIRD

Azure Kingfisher *Ceyx azurea*
 Misc: One record only 1/3 Sep Sullivan's Ck (McI).

Laughing Kookaburra *Dacelo novaeguineae*
 GBS: Observation pattern as for 1987-88 although there was a slight drop in abundance. No breeding records.
 WBS: Recorded in small numbers, one to three, around LBG throughout the year. At LBth on 21 May (MiP1, MiP2).
 Atlas: 1247 non-breeding records. 24 breeding records with nests recorded from September to December.



Sacred Kingfisher *Halcyon sancta*
 GBS: Spring peak evident this year. First record 1/4wk Sep Weetangera (FyM), last 1/4wk Mar Cook (BrM2). Abundance increased slightly.
 WBS: First record 23 Oct LBG (HaK), last 19 Feb LBG (MeR). Not recorded at other sites.
 Atlas: 174 non-breeding records. 9 breeding records including ny/Nov Mt Majura Gr 17 (HoB), ny/Tan Bruce Ridge Gr 25 (BrM) first reported until Mar.

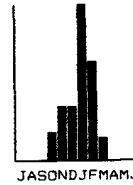


Rainbow Bee-eater *Merops ornatus*
 GBS: 7 non-breeding records. First 4/3wk Oct Bruce (BFM), last 1/3wk Mar Aranda (OMP).
 WBS: One record only, 1/23 Oct LGin (AlB).
 Atlas: 123 non-breeding records. 13 breeding records including nb/Oct Blue Gum Ck Gr 96 and Booroomba Hs Gr 85 (TaM), ne/Dec Caloola Hs Gr 127 (BrM2) and ny/Point Hut Crossing Gr 77 (BiJ).
 Misc: Flock (heard only) 13 Oct Murrumbateman (LeB).

Dollarbird *Eurystomus orientalis*

GBS: First 1/4wk Oct Aranda (OMP), last 1/4wk Mar Cook (BrM2). Slight decrease in abundance.
WBS: One record only, 4/19 Feb LBG (Be1)
Atlas: 113 non-breeding records. One breeding record: cf/Jan Tuggeranong Hill Gr 78 (GrB)

.28



LYREBIRD

Superb Lyrebird *Menura novaehollandiae*

Atlas: 339 non-breeding records. 2 breeding records, ne/11 Sep Honeysuckle Ck Gr 115 (SmD), dy/2 Oct The Pyramid Gr 84 (FLD).

LARKS

Singing Bushlark *Mirafra javanica*

WBS: Only records (5) from Tuggeranong area. 1/23 Oct Tuggeranong Silt Trap and Isabella Ponds (Hon), 4/18 Dec Tuggeranong Silt Trap and Point Hut Ponds (HoJl), three groups of 3/26 Feb Tuggeranong Silt Trap (Hon).

!Use: Four records, again in the Tuggeranong area, between Nov and Jan. 6/13 Nov (4 territories, 2 cf) Tuggeranong Ponds (HoJl), 1/4 Dec Kambah Pool Rd (BiJ), 2/7 Jan LTug (BiJ), 3/15 Jan LTug (McI).

Skylark *Alauda arvensis*

GBS: Two records only. 1/4wk Oct, 2/1wk Jan Holt (EGR). **WBS:** Regularly recorded all sites. One breeding record, ne/18 Dec LBth (MiPl). Numbers at LBth varied from 20 to 100, at LBG from 1 to 11 and at LTug between 20 and 100, with larger flocks generally in winter. On 25 Jun large flocks were seen on the bare areas of the developing suburb of Isabella (HoJl).

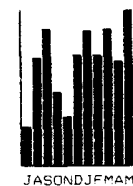
Atlas: 145 non-breeding records. 2 breeding records: cf/6 and 17 Dec Fyshwick Sewage Ponds Gr 39 (BiJ).

SWALLOW AND MARTINS

Welcome Swallow *Hirundo neoxena*

GBS: Slightly more abundant than in 1987-88. A peak in Aug/Sep suggests a spring migratory movement. First n/3wk Oct Page (AlB), fle/Oct Gilmore (GrB). Last n/1wk Dec Page (AlB), fle/2wk Dec Page (AlB).

.31



WBS: Regularly reported all sites. At LBth numbers ranged from less than 10 in Jul/Aug to 400 in May. At LBG max of 150+ in Feb roosting on boats. At LGeo max was 900 in May. Numbers at LGIN and LTug considerably lower. Breeding recorded at LGIN under bridges Oct to Dec (AlB). One n containing 3 young 23 Oct Point Hut (HoJl). **Atlas:** 771 non-breeding records. 61 breeding records with nests mainly in Oct, Nov and Dec.

Tree Martin *Cecropis nigricans*

GBS: 2 records only, 5/4wk Dec and 5/2wk Jan Fisher (BiJ).
WBS: Recorded throughout the year in small numbers (less than 10), at LBth. One record at LBG 4/19 Feb (FiB). Occasional at LGIN with max of 100 on 18 Dec (AlB).
Atlas: 284 non-breeding records. 30 breeding records, nests with young, Oct to Jan.

Fairy Martin *Cecropis ariel*

GBS: 5 records from Mitchell - 5/1wk Nov, 2/1wk Jan, 2/2wk Jan, 1/3wk Jan, 2/2wk May (ReG).
WBS: Recorded in small numbers at all sites between 23 Oct and 23 Apr. Max 75/23 Apr LGIN. (DiB).
Atlas: 58 non-breeding records. 10 breeding records. First nb and ny Oct Tidbinbilla (BuM, LeB) and W of Coppins Crossing Gr 23 (FyM).

PIPIT

Richard's Pipit *Anthus novaeseelandiae*

GBS: 2 records only. 1/1wk Oct Gilmore (GrB), 1/1wk Jan Holt (EGR).
WBS: Recorded regularly throughout the year at LBth with an unusually high peak of 200 in May and 50 in Jun and Jul. Recorded regularly at LTug including nest with 3 eggs 18 Dec (Hon). Occasionally at LBG and LGIN up to 5 max.
Atlas: 489 non-breeding records. 20 breeding records with nests recorded Oct to Jan.

CUCKOO-SHRIKES AND ALLIES

Black-faced Cuckoo-shrike *Coracina novaehollandiae*

GBS: Unusually no report of breeding despite being recorded at every site. Slight increase in abundance. Recorded throughout the year with a summer peak observed.

WBS: Recorded in small numbers, up to 7, throughout the year at LBG and LGIN. Record of bird incubating 23 Oct LBG (KiM) and 2 at n/18 Dec LBG (BeRl).

Atlas: 803 non-breeding records. 43 breeding records, ne/ny recorded from Oct to Jan.



White bellied Cuckoo-Shrike *Coracina papuensis*

GBS: Two records only, 1/28 May and 1/25 Jun Macquarie (CoD).

Misc: 1/28 Aug ACT/NSW border, Monaro Hwy (FlD), 1/9 Apr Melba (PuD), 1/18 Jun O'Malley E (PoH).

Note: All the above are dark-phase birds recorded in autumn/winter.

Cicadabird *Coracina tenuirostris*

Atlas: 16 records in Brindabella Ra and TNR. First TNR Oct (BuM), last 12 Feb Blundell's Flat (WrH) and Oakey Ck Gr 62 (TaM), other records CrI and MiPl.

White-winged Triller *Lalage sueurii*

GBS: 6 records, 1/4wk Sep Kambah (BeR2), 1/1wk Nov and 1/2wk Nov Stirling (JoD), 1/2wk and 1/3wk Nov O'Connor (APCS), 1/3wk Dec Charnwood (MaK).

WBS: 5 records all males on 23 Oct, 3 LBG, 2 LGin. Only other record 1/21 May LBth.

Atlas: 146 non-breeding records. 22 breeding records. ne/ny recorded Dec and Jan only although nest building recorded as early as 31 Oct Captain's Flat Rd Gr 59 (MoA).

THRUSHES, FLYCATCHERS, WHISTLERS AND ALLIES

White's Thrush *Zoothera dauma*

Atlas: 30 non-breeding records mainly in the ranges of S and W of ACT. Only 2 breeding records: cf/23 Jul Bogong Ck Gr 146 (JaG), ne/18 Nov Hurdle Ck Gr 73 (CrI).

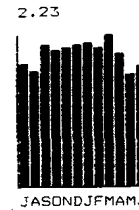
Blackbird *Turdus merula*

GBS: First fle/2wk Sept Holt (EGR), last fle/3wk Jan Dickson (CJJ).

WBS: 7/25 Jun LBG Central Basin (LuN), 5/23 Oct LGin W shore (AlB). No records from LTug or LBth.

Atlas: 545 non-breeding records. Observations from established urban areas and along the Murrumbidgee R. 31 Dec Yaouk Rd Gr 163 (CrI). 30 Aug NSW S of Angle Crossing Gr 118 (LeB), 1m/4 Sep

Misc: n with 4 eggs/23 Nov Greenleigh Estate. Queanbeyan (WaJ).



Rose Robin *Petroica rosea*

GBS: One autumn and one spring record 1/2wk Apr Cook (BrM2), 2/4wk Aug Ainslie (FiB).

Atlas: 40 non-breeding records mainly in Brindabella and Tidbinbilla Ra. 28 Feb Vanity's Crossing (KeR2), 17 Jun SW Kambah Pool (BiJ), 15 Mar Hurdle Ck (CrI). Only 2 breeding records: nb/6 Nov Pierces/Oakey Ck Gr 62 (TaM); nb/16 Oct TNR (TaM).

Misc: 1 imm m/6 Jun ANBG (PoH).

Flame Robin *Petroica phoenicea*

GBS: first record 1/3wk Jul Chapman (BrG), last 6/3wk May Chapman (BrG). Records also at Mitchell 2/3wk Aug, 2/3wk Oct, 2/2wk Dec (ReG).

Atlas: 474 non-breeding records. 36 breeding records mainly in high country in S and W of ACT, first dy/6 Oct Kowen Gr 30 (FiB), last dy/1 Apr Smith's Rd Gr 118 (HuN).

Scarlet Robin *Petroica multicolor*

GBS: Autumn/winter maximum maintained.

Atlas: 670 non-breeding records. 23 breeding records, widespread throughout the ACT. First dy/25 Sept Mulligan's Flat Gr 3 (BoJ). Last dy/25 Jan fire trail/creek Gr 165 (CrI) and 25 Jan Pine forest Gr 35 (LaJ).



Red-capped Robin *Petroica goodenovii*
 Atlas: 7 non-breeding records, unusual occurrence at four different locations in two week period; 1m/13 Nov Uriarra Forest (AtM), 1m/25 Nov Uriarra Settlement (TaM), and 1m/30 Nov Yankee Hat (FyM). Other records 1f/13 Aug and 1m/18 Nov Mt Ainslie (LeM), 1m/16 Apr Scullin (ClG1) and 1m/11 Dec S of Coppin's Crossing Gr 36 (FyM).
 Misc: 1m/Aug Tharwa (MoJ) and 1m/29 Nov Jerrabomberra Swamp (BiJ).

Hooded Robin *Melanodryas cucullata*
 Atlas: 94 non-breeding records. 12 breeding records. First dy/30 Sept, and last 1 Apr, both Smith's Rd Gr 12E (HuN). Other dy/16 Oct Naas Rd Hill Gr 117 (BrM2), 26 Jan Yaouk Rd Gr 157 (CrI), cf/25 Sept Mulligan's Flat Gr 3 (BoJ).

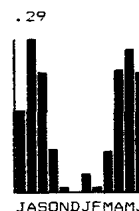
Eastern Yellow Robin *Eopsaltria australis*
 GBS: 5 urban records. First 1/2wk Jul Holt (EGR), last 1/4wk May O'Connor (APCS). Other records 1/1wk, 1/2wk Aug, 1/3wk Jan Ainslie (FiB).
 WBS: 6/25 Jun LBGE (BeR1).
 Atlas: 519 non-breeding records. 16 breeding records, first dy/15 Oct Naas Fire Trail Gr 155 (GNW), last dy/26 Feb N of Blue Range Hut Gr 19 (LeB).

Jacky Winter *Microeca leucophaea*
 Atlas: 31 non-breeding records, including 10 Jul Gundaroo Rd (HaF), 24 Sept Two Sticks Rd/Uriarra Hs (AtM), 3 Oct Castle Hill (MaR), 18 Jun Naas Rd (BrM2), 6 May Queanbeyan Rd Gr 89 (VeP), 19 Mar Campbell Pk/Majura Rd (BaJ), 5 Mar Mt Ainslie (LeM). No breeding records.

Crested Shrike-tit *Falcunculus frontatus*
 Atlas: 70 non-breeding records. 4 breeding records, mainly in S and W of ACT: dy/2 Nov and 20 Nov Hurdle Ck Gr 73 (CrI), 19 Mar Campbell Pk/Majura Rd (BaJ), 5 Mar and 24 Mar Mt Ainslie (LeM).

Olive Whistler *Pachycephala olivacea*
 Atlas: 42 non-breeding records, mainly from the ranges W of the ACT, including 23 Jul Bogong Ck Gr 146 (JaG) 27 Aug Bendora Dam (GuG), 28 Aug Kangaroo Ck Gr 92 (OsW), 18 Feb Blue Gum Ck Gr 104 (PaR), 7 May Shanahan's Mtn (HoJ2). No breeding records.

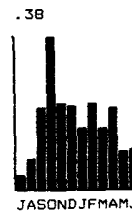
Golden Whistler *Pachycephala pectoralis*
 GBS: Recorded in all months except Dec.
 WBS: One breeding record, incubating 27 Aug LGin (AlB).
 Atlas: 445 non-breeding records. 3 breeding records, dy/21 Feb Vanity's Crossing Gr 48 (KeR2), cf/30 Dec Corin Rd Gr 93 (TuE), cf/11 Dec Oakey Ck Gr 62 (McD).



Rufous Whistler *Pachycephala rufiventris*

GBS: Peak observations in October.

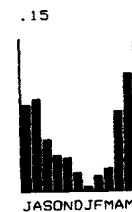
Atlas: 837 non-breeding records. 25 breeding records, first dy/8 Nov Boboyan Rd Gr 164 (McD) and Castle Hill Gr 87 (BiJ), last dy/1 Mar Smith's Rd Gr 118 (HuN).



Grey Shrike-thrush *Colluricincla harmonica*

GBS: Maximum numbers in autumn/winter.

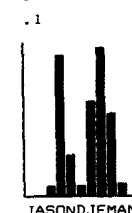
Atlas: 1105 non-breeding records. 21 breeding records, including nb/26 Sept LGin (LuN), ne/1 Dec Cotter Hut Gr 121 (FlD), dy/18 Feb Blue Gum Ck Gr 104 (PaR), 5 Mar Kowen Gr 43 (MiPl), dy/1 Apr Smith's Rd Gr 128 (HuN).



Leaden Flycatcher *Myiagra rubecula*

CBS: First 1/4wk Sep Bruce (BFM), last 1/2wk Apr Aranda (OMP).

Atlas: 182 non-breeding records. 18 breeding records including dy/29 Nov Naas Rd Gr 127 (BrM2), 29 Dec Hall Showground/Cemetery Gr 7 (AlB), 12 Feb Monaro Hwy Gr 89 (FlD), dy/28 Feb Nursery Swamp Gr 125 (VaJ).



Satin Flycatcher *Myiagra cyanoleuca*

GBS: 5 records, 1/5wk Oct Bruce (BFM), 1/3wk Jan Bruce (BFM), 1/3wk and 1/4wk Apr O'Connor (VaJ), 1/2wk Jun (HaK). Atlas: 95 non-breeding records. 18 breeding records including dy/4 Dec Sheep Station Ck Gr 158 (MuA), 26 Jan Yaouk Rd Gr 157 (CrI), 21 Jan Naas Fire Trail (EGR), dy/4 Feb Cotter Hut Gr 121 (DCM).

Restless Flycatcher *Myiagra inquieta*

GBS: Records from 5 suburbs. First 1/1wk Jul Holt (EGR), 1/2wk Jan Hughes (AnB), 1/5wk Apr Watson (HoB), 1/1wk May Charnwood (MaK) last 1/3wk Jun Chapman (HAJ) and 1/3wk Jun Watson (HoB).

Atlas: 181 non-breeding records. 5 breeding records, nb/3 Oct Cunningham's Hill Gr 119 (FlD), nb/16 Oct Naas Rd Hill Gr 117 (BrM2), dy/5 Nov Gudgenby/Murrumbidgee R Gr 97 (BiJ), cf/17 Dec Hall Showground/Cemetery Gr 7 (AlB), ny/19 Jan Mulligan's Flat Gr 3 (LeB).

Rufous Fantail *Rhipidura rufifrons*

GBS: First 1/3wk Nov Bruce (BFM), 1/2wk Mar Weetangera (FyM), 1/2wk Mar Cook (BrM2), 1/1wk Apr Macquarie (CoD), 1/4wk Nov Ainslie (FiB), last 1/1wk May Chapman (CrB).

Atlas: 62 non-breeding records. 2 breeding records, dy/25 Feb Corin Rd Gr 93 (TuE), dy/5 Mar Hurdle Ck Gr 74 (CrI).

GBS: Maximum observations in autumn and spring.

WBS: 8/23 Apr LBGE (BeR1).

Atlas: 1212 non-breeding records. 42 breeding records. First dy/5 Nov Gudgenby/Murrumbidgee R Gr 97 (BiJ), 11 Dec Oakey Ck Gr 62 (McD), 16 Nov UNIC (HaK), last dy/4 Feb Half Moon Ck Gr 116 (TaM).

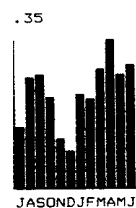


Willie Wagtail *Rhipidura leucophrys*

GBS: Most records in autumn and spring.

WBS: 10 pairs 27 Aug LGin (AlB), 16/21 May LBth west basin (MiP2).

Atlas: 921 non-breeding records. 69 breeding records. First dy/29 Nov LBGE (BiJ), last dy/26 Jan Yaouk Rd Gr 157 (CrI).



QUAIL-THRUSH AND WHIPBIRD

Eastern Whipbird *Psophodes olivaceus*

Atlas: 45 non-breeding records. One breeding record, dy/7 May Emu Flat Gr 104 (WrH).

Spotted Quail-thrush *Cinlosoma punctatum*

Atlas: 99 non-breeding records, all from S and W ACT (ranges), except May Kowen Forest area Gr 29 (FiB).

OLD WORLD WARBLERS

Clamorous Reed-Warbler *Acrocephalus stentoreus*

WBS: regular in small numbers LBG (max 52), LGin (max 30 pairs), LTug (max 9). First 12/27 Aug LGin (DiB). Last 1/26 Feb LTug (Hon). 2 breeding records, nb/23 Oct LGin (AlB), cf/18 Dec LTug (HoJl).

Atlas: 154 non-breeding records, throughout most of year. 14 breeding records all from lakes except cf/18 Dec Point Hut Crossing Gr 77 (BiJ), dy/21 Jan Bidges Rd Gr 18 (CrI).

Little Grassbird *Megalurus gramineus*

WBS: 9 non-breeding records from LBG (2), LGin (2), LTug (5).

Atlas: 42 non-breeding records mostly from around suburban Canberra. Also from TNR Sep, Nov (McD), 5 Mar Yaouk Rd (McD) and 12 Jun Orroral Valley (BiJ). 1 breeding record, cf/13 Nov Tuggeranong Ponds Gr 77 (Hon).

Misc: 1/18 Jul Gunning (LeB).

Goldenheaded Cisticola *Cisticola exilis*

WBS: regular in small numbers LBG (max 15) and LTug (max 42). One record LBth 4/21 May (MiP1).

Atlas: 124 non-breeding records. 3 breeding records, cf/13 Nov Tuggeranong Ponds Gr 77 (HoJl), 26 Dec Fyshwick Sewage Ponds Gr 39 (BiJ), 18 Dec Point Hut Crossing Gr 77 (BiJ).

Misc: 2m/8 Jan Collector (LeB), regular in small numbers at Hawthorn Hs, Murrumbateman (LeB).

Raft= Songlark *Cinclorhamphus mathewsi*

GBS: Substantial drop from 1987-88, with only one record, 1/2wk Oct Weetangera (FyM).

Atlas: 165 non-breeding records. First Sep LGin (McI), last 15 Apr Spring Station Ck Gr 96 (TaM). 13 breeding records including: ne/6 Nov Campbell Pk Gr 27 (AtF), dy/10 Nov Wattle Valley Hs Gr 10 (MiP1), dy/31 Dec SE of Kambah Pool Gr 65 (BiJ), cf/31 Dec Mt Ainslie (LeM), cf/18 Feb Orroral Valley Gr 114 (MiP1).

Misc: 1 juv/15 Feb 4km S of Murrumbateman (road kill)(LeB).

Brown **Songlark** *Cinclorhamphus cruralis*

More records than in any previous year.

GBS: Only recorded in gardens close to large areas of open grassland. 1/5wk Oct, 1wk Nov, 5wk Jan Mitchell (ReG), 1/1wk Oct, 2wk Nov Holt (EGR).

WBS: 1m/20 Nov LBth (LeM).

Atlas: 17 non-breeding records from 15 sites (all areas of open grassland). First Oct Fairlight Rd Gr 11 (MaD), last 8 Nov Ginninderra Falls (EGR). One breeding record (the first confirmed for the Canberra region), dy/Feb Hurdle Ck Gr 74 (CrI).

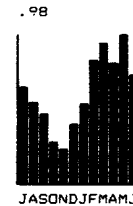
Misc: 1m/25 Oct Hawthorn Hs, Murrumbateman (LeB), 1m/25 Nov 4.5km NNW Hall (LeB), 1m/17 Jan Cooinbil Hs, Murrumbateman (LeB).

WRENS, THORNBILLS AND ALLIES

Superb Fairy-wren *Malurus cyaneus*

CBS: Abundance and distribution greater than previous two years but no significant long-term trend. As in previous years recording rate highest from Feb to Jul and lowest from Sept to Dec.

Atlas: 1497 non-breeding records. 62 breeding records.



Pilotbird *Pycnoptilus floccosus*

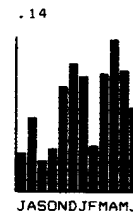
Atlas: 56 non-breeding records. Only one breeding record, nb/14 Sep Kangaroo Ck at Corin Rd Gr 92 (TuE).

White-browed Scrubwren *Sericornis frontalis*

GBS: An increase in numbers from last year is part of a statistically significant increase since the beginning of the GBS.

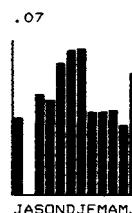
WBS: Particularly numerous at the west end of LBG.

Atlas: 861 non-breeding records. 30 breeding records of which 6 were in and around urban Canberra.



Speckled Warbler *Sericornis sagittatus*
 GBS: 50 records, usually pairs, however 47 were from two sites: 36 from O'Connor (APCS), 11 from Bruce (BFM).

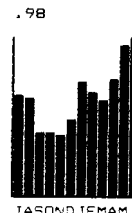
Atlas: 218 non-breeding records. 7 breeding records including cf/24 Sep Enchanted Hill Gr 89 (SoM), ny/25 Sep Gundaroo Rd (FiJ) and 25 Sep Mulligan's Flat Gr 3 (BoJ).



Weebill *Smicrornis brevirostris*

GBS: An increase in numbers since last year is part of a trend that is statistically significant. Abundances for the last four years 1985-86, to 1988-89: 0.426, 0.474, 0.539, 0.618. As usual less common in gardens in spring and early summer, most common in winter.

Atlas: 523 non-breeding records. 15 breeding records including: ny/1 Sep LGin (HaK), ny/5 Nov



Mt Majura (HoB), ne/18 Nov Mt Taylor (BeR2), ny/13 Dec Castle Hill (TaM), ny/16 Dec Gundaroo Rd Gr 9 (FiJ).

Western Gerygone *Gerygone fusca*

GBS: 22 records of single birds, 12 from O'Connor (APCS). First very early 1/3w Jun Mt Ainslie (BaJ), last 1/lw Apr Aranda (OMP).

WBS: Early record 21 Aug in Stirling Pk area beside LBG (FLD).

Atlas: 116 non-breeding records, first 28 Aug Mulligan's Flat (BoJ), 28 Aug W of Pine Ck Gr 35 (AtM), last 11 Jun Ainslie (DCM). One breeding record, nb/15 Oct Mt Ainslie (LeM).

White-throated Gerygone *Gerygone olivacea*

GBS: First record 1/3wk Sep O'Connor (APCS), last 1/4wk Jun O'Connor (VaJ).

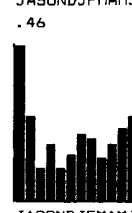
Atlas: 282 non-breeding records, first record 15 Aug Gr 8 (KeJ), last 7 May Campbell Pk (TaM). 9 breeding records including: ny/18 Nov Gr 88 (LaB), ny/10 Dec Mt Majura (HoB), ne/27 Dec Campbell Pk (MiPl).



Brown Thornbill *Acanthiza pusilla*

CBS: Pattern of minimum numbers in spring and maximum numbers in winter is normal.

Atlas: 912 non-breeding records. 28 breeding records including: ne/6 Nov Oakey Ck Gr 62 (TaM), ny/Stromlo pine forest Gr 35 (LaJ).

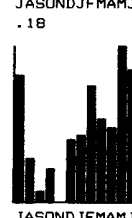


Buff-topped Thornbill *Acanthiza reguloides*

GBS: Abundance less than 60% of last year. Breeding records: first n/2wk Oct, last n/2wk

Nov, first fle/1wk Dec, last fle/3wk Dec all from Bruce (BFM).

Atlas: 567 non-breeding records. 38 breeding records.



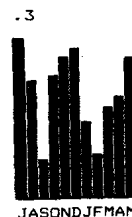
Yellow-rumped Thornbill *Acanthiza chrysorrhoa*
 GBS: First n/4wk Jul Weetangera (FyM), last n/2wk Aug Weetangera (FyM), first fle/4wk Aug Page (AlB), last fle/3wk Nov Page (AlB). The seasonal pattern is very consistent from year to year.
 Atlas: 990 non-breeding records, 102 breeding records.



Yellow Thornhill *Acanthiza nana*
 GBS: 11 records (19 individuals) from 3 sites: Weston, Ainslie and Weetangera.
 Atlas: 64 non-breeding records including, 15 from the Uriarra Crossing/Molongolo Sewage works area, 6 from Mt Ainslie, and 5 from Mill Post 8km SW of Bungendore Gr 45.

Striated Thornhill *Acanthiza lineata*
CBS: 153 records (481 individuals) from 22 sites in most parts of Canberra. Abundance and other values virtually unchanged. Variation in monthly abundance pattern again evident with marked increase in Jul/Aug records.

Atlas: 726 non-breeding records, 21 breeding records including, ny/24 Sep Naas R Gr 143 (HoJ2), ny/15 Oct Gr 150 (TaM), ny/23 Nov Corin Rd Gr 92 (TuE).

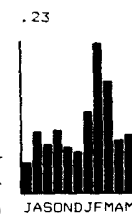


Southern Whiteface *Aphelocephala leucopsis*
 WBS: 3 birds 25 Jun S end LGeo (LeB).
 Atlas: 134 non-breeding records. 5 breeding records including, nb/2 Jul Burbong Gr 58 (WeG), nb/28 Sep Captains Flat Rd Gr 59 (FiB), dy/31 Dec Mt Ainslie (LeM).

SITTELLA AND TREECREEPERS

Varied Sittella *Daphoenositta chrysoptera*
 GBS: 28 records from four gardens (all near large suburban reserves). All values except group size slightly down on 1987-88. No clear seasonal pattern as for previous years.
 Atlas: 179 non-breeding records. 9 breeding records including, cf/15 Oct Naas R Gr 136 (PeB), dy/25 Nov SW of Mt Clear Gr 165 (CrI), ny/Dec Mt Majura Gr 17 (HoB).
 /Use: 3/22 Mar Murrumbateman Tip (LeB).

White-throated Treecreeper *Climacteris leucophaea*
 GBS: Average number seen (A) continues to rise; 1985-86 0.052, 1986-87 0.065, 1987-88 0.081, 1988-89 0.101. Other values largely unchanged. Seasonal pattern similar to 1987-88.
 Atlas: 1195 non-breeding records. Only 13 breeding records including: cf/13 Nov Billy Billy Ra/Naas R Gr 127 (BrM2), ny/30 Jan Upper Naas R Gr 127 (BrM2), ny/12 Nov Nursery Ck Gr 124 (DCM), cf/9 Nov Kambah Pool area Gr 65 (BiJ), dy/21 Jan The Pyramid Gr 84 (F1D).



Red-browed Treecreeper *Climacteris erythroptera*
 Atlas: 75 non-breeding records. 10 breeding records
 including, dy/1 Dec Fishing Gap trail Gr 83 (LaD), cf/18 Dec
 Yaouk trail Gr 137 (TuE), dy/4 Feb Leura trail Gr 120 (DCM),
 dy/18 Feb Blue Gum Ck Gr 104 (PaR).

Brown Treecreeper *Climacteris picumnus*
 Atlas: 214 non-breeding records. 11 breeding records
 including, dy/24 Sep Enchanted Hill Gr 89 (SoM), cf/6 Nov
 Mt Ainslie Gr 27 (LeM), dy/4 Dec Naas R Gr 135 (BoJ), dy/17
 Dec Campbell Pk Gr 27 (DCM), ny/31 Jan Cunningham's Hill Gr
 119 (FLD).

HONEYEATERS

Red Wattlebird *Anthochaera carunculata*
 GBS: Total abundance down slightly but present
 throughout the year in virtual constant numbers
 with minimal spring and autumn peaks. Breeding
 records, first n/4wk Sep Holt (EGR), fle/4wk Sep
 Page (AlB); last n/1wk Jan Aranda (MaD), fle/4wk
 Feb Chapman (HAJ).

WBS: Early breeding records - nb/21 Aug LBG
 (BeRl) and incubating 27 Aug LGin (AlB). Reported
 in small numbers (up to 7) throughout year at LBG
 and LGin.

Atlas: 876 non-breeding records. 56 breeding
 records, ne or ny in Aug, Sep, Nov and Dec.

Spiny-cheeked Honeyeater *Acanthagenys rufogularis*
 Misc: One record only, 1/27 Aug Kambah (WiB).

Noisy Friarbird *Philemon corniculatus*
 GBS: Jul was the only month with no records,
 although very few sightings in Aug, May and Jun.
 Overall abundance lower. First 2/2wk Aug Aranda
 (OMP), last 2/3wk Jun Cook (DaB). First breeding
 records n/2wk Oct Page (AlB), fle/2wk Dec Aranda
 (OMP). Last n/4wk Dec Kambah (VeP), fle/2wk Feb
 Dickson (CJJ).

Atlas: 440 non-breeding records. 42 breeding

Little Friarbird *Philemon citreogularis*
 Misc: One unusual record in far S ACT and late in year, 1
 juv/30 May Yerrabi Trig Gr 153 (BoJ). 7 other records from
 N of Canberra between Nov and Feb - 3/12 Nov, 1 juv/28 Dec,
 2/19 Jan, 2/12 Feb Mulligan's Flat (LeB) and 1/1 Jan, 1/8
 Feb Fraser (PeJ), also 1/15 Sep Kaleen (ClM).

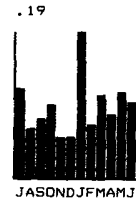
Regent Honeyeater *Xanthomyza phrygia*
 Misc: 2ad, 1 juv/4 Jan, 5 Jan and 14 Jan Garran (EdS),
 2ad/26 Feb nr Mulligan's Flat (ClM).



Noisy Miner *Manorina melanocephala*

GBS: Abundance down by half to 1986-87 levels following a recovery last year to pre-1986-87 levels. No breeding records.

Atlas: 337 non-breeding records. 18 breeding records including ne/9 Oct Naas Rd Gr 117 (BrM2), ny/17 Dec Campbell Pk Gr 27 (DCM).



Yellow-faced Honeyeater *Lichenostomus chrysops*

GBS: Abundance decreased as did flock size. Recorded all months with a more obvious spring peak. Breeding record n/3wk Oct Page (AlB).

WBS: Only record 5/23 April LBth Morass (DoM) Atlas: 1035 records. 18 breeding records - ne or ny in Dec, Jan, Feb (CrI, GiJ, BiJ).



White-eared Honeyeater *Lichenostomus leucotis*

CBS: Abundance down. One breeding record, fle/2wk Sep Holt (EGR).

WBS: Recorded only at LBG and LTug in Jun and Aug.

Atlas: 786 non-breeding records. 16 breeding records including ne/22 Jan Ginini Flats Gr 90 (BoJ), ne/5 Mar Yaouk Rd Gr 157 (McD), ny/12 Feb Rendezvous Ck Gr 132 (McD).

Atlas: 8 records only. Fuscous



Yellow-tufted Honeyeater *Lichenostomus melanops*

GBS: One unusually late record 1/1wk Oct Holt (DaC). Recorded during winter at Chapman 1/2wk, 1/3wk, 1/4wk May, 1 each wk Jun (HAJ). Also at Weston 1/1wk Jul, 2/1wk, 1/2wk Aug (LeB). No other records.

Honeyeater *Lichenostomus fuscus*

GBS: Abundance down from the 1987-88 high closer to 1986-87 levels. As usual only winter records. IBS: 2/21 Aug LTug (Hon).

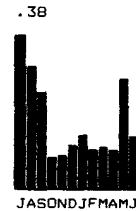
Atlas: 159 non-breeding records. 9 breeding records including nb/3 Dec Naas R Gr 136 (McD) and 20 Nov Rendezvous Ck Gr 132 (GuG).



White-plumed Honeyeater *Lichenostomus penicillatus*

GBS: Abundance dropped back to 1986-87 levels following a marked increase last year. No breeding records. Noticeable peak in winter observations. WBS: Regularly recorded LBG and LGin, in numbers up to 15, and occasionally LTug either singly or in pairs. Two early breeding records -ne/21 Aug LBG (F1D), n with incubating bird 27 Aug LGin (AlB).

Atlas: 448 non-breeding records. 32 breeding records including ne/Nov LGin (AlB), ne/17 Dec Campbell Pk (DCM), nb recorded in Aug, Oct, Nov (SoM, LeM, ClM).



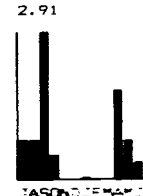
Brown-headed Honeyeater *Melithreptus brevirostris*
 GBS: Recorded only at one site in Chapman (HAJ). From 1 to 10 birds in Jul, Aug and first 3 weeks Sep. No further records until 3wk Mar then 3 to 8 birds present until end Jun.

WBS: Only record 3/21 Aug Stranger Ponds, Point Hut (Hon).
 Atlas: 186 non-breeding records. 4 breeding records - ne/25 Sep Middle Ck Gr 139 (PaR), ny/Jan Tidbinbilla Gr 74 (CrI), dy/Jan Chisholm/Gilmore Gr 79 (GrB) and Yaouk Rd Gr 157 (CrI).

White-naped Honeyeater *Melithreptus lunatus*
 Addendum: 1987-88 Annual Bird Report (Veerman et al. 1989 CBN 14(3): p.81. The reference to "Pr + 3 dep juv/20 Sep Mt Wanniasa (BL)" should be deleted from the Report.

GBS: Decrease in abundance but a more marked spring peak in numbers.

Atlas: 591 non-breeding records. 18 breeding records including nb/Nov TNR (BuM). Other records of dy Nov to Mar.



Crescent Honeyeater *Phylidonyris pyrrhoptera*

GBS: Same pattern as last year.

Atlas: 117 records with no breeding recorded.

New Holland Honeyeater *Phylidonyris novaehollandiae*

GBS: 19 non-breeding records from 3 sites. 2/1wk May, 2/1wk Jun Chapman (BrG); 1/5wk Jan, 1/1wk Feb, 1/1wk Apr Holt (EGR), 2/1wk, 2/2wk, 2/3wk July, 3/3wk, 3/4wk 3/5wk Jan, 4/1wk, 2/2wk, 10/4wk Feb, 5/5wk Apr, 1/2wk, 1/3wk May, 3/2wk, 1/3wk Jun Holt (DaC). Observations occurred from Jan through to Jul. Limited number of observations means apparent increase could be a statistical aberration.

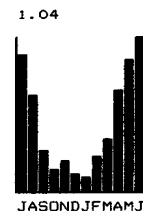
WBS: One record only 2/23 Apr LBG/Sullivan's Ck (PlD, McB).

Atlas: 127 non-breeding records. 7 breeding records including dy/Aug ANU (LeM), Nov Tidbinbilla Gr 74 (CrI) and Molonglo Sewage Works (ClGl), 11 Mar Fire Trail Gr 112 (CrI).

Eastern Spinebill *Acanthorhynchus tenuirostris*

GBS: Abundance down slightly. Usual winter peak. No breeding records.

Atlas: 537 non-breeding records. 6 breeding records including ny/18 Dec Cotter Flats Gr 121 (AlR), ne/Feb Hurdle Ck Gr 74 (CrI), nb/Sep Smith's Rd Gr 118 (HuN).



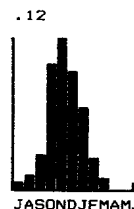
CHAT, MISTLETOEBIRD, PARDALOTES AND SILVEREYE

White-fronted Chat *Ephthianura albifrons*

WBS: Regular in small numbers LBth (max 42), LTug (max 25). 1 record LGeo lm & 2f/25 Jun (LeB). Juv recorded 23 Oct LBth (LeM) and 4/23 Oct LTug (HoJ1). Breeding records, lm cf/21 Aug LTug (HoJ1), cf/23 Oct LTug (HoJ1). Atlas: 17 non-breeding records, all but 2 from lakes - 29 Oct Blue Gum Ck Gr 95 (TaM), 17 Feb Tarpaulin Ck Gr 21 (BiJ).

Mistletoebird *Dicaeum hirundinaceum*

GBS: Average number seen shows another increase (90%) of similar magnitude to 1987-88 (1986-87 - 0.011, 1987-88 - 0.021, 1988-89 - 0.040). Distribution (F) also increased (1987-88 - 11.4%; 1988-89 - 17.9%) as did recording rate (R) (1987-88 - 1.70%, 1988-89 - 3.20%). Other values largely unchanged. First record 1wk Aug Ainslie (FiB), last 4wk Jul Chapman (HAJ). Seasonal pattern unchanged. Breeding records - first n/2wk Oct, fle/2wk Nov, last n/lwk Nov Page (AlB). Atlas: 280 non-breeding records throughout the year. 12 breeding records including - ne/Nov Mt Majura (HoB), cf/13 Dec Castle Hill Gr 87 (TaM), dy/16 Dec Boboyan Pine Plantation/Yankee Hat Gr 146 (McD), dy/Jan Fairlight Rd Gr 11 (AbD).



Spotted Pardalote *Pardalotus punctatus*

CBS: Average numbers seen (A) shows a marked decline (1987-88 - 0.862, 1988-89 - 0.658) as does group size (1987-88 - 2.4, 1988-89 - 1.9). The normally pronounced autumn peak is also noticeably absent. Breeding records - first n/2wk Oct, fle/2wk Nov, last n/lwk Nov Page (AlB). Atlas: 1024 non-breeding records. 18 breeding records including - dy/15 Jan Naas fire trail Gr 155 (GNW), ne/24 Sep Murrumbidgee R Gr 50 (BiJ), ny/6 Nov Hospital Ck Gr 147 (GiJ), ny/7 Nov Orroral Valley Gr 114 (MiPl).



Striated Pardalote *Pardalotus striatus*

GBS: Average numbers observed (A) shows a marked decline (1987-88 - 0.803, 1988-89 - 0.655), as does distribution (F) (1987-88 - 82.9%, 1988-89 - 73.2%) and recording rate (R) (1987-88 - 33.98%, 1988-89 - 29.63%). the usual spring peak in numbers is barely discernible, while the autumn peak is absent altogether (cf. Spotted Pardalote). Breeding appears to have begun and finished earlier than in previous years; first n/2wk Oct Page (AlB), fle/3wk Dec Macquarie (CoD), last n/3wk Jan Bruce (BuM).

Atlas: 972 non-breeding records. 57 breeding records (compare these totals with Spotted Pardalote) including ny/24 Sep Mt Gudgenby Gr 145 (PaN), ny/27 Nov Hall Pk Gr 7 (AlB), ny/29 Nov Murrumbidgee R Gr 65 (BiJ), ny/28 Dec Caloola Hs Gr 127 (BrM2), dy/31 Dec Mt Ainslie (LeM).



Silvereye *Zosterops lateralis*

GBS: Seasonal pattern and values similar. Breeding records - first n/2wk Dec Bruce (BuM), fle/2wk Oct Yarralumla (CaC), last fle/1wk Jan Yarralumla (CaC).

Atlas: 782 non-breeding. 82 breeding records including - nb/15 Jan Mt Clear Gr 166 (BiJ), dy/12 Feb Oakey Ck Gr 63 (TaM), dy/ 16 Feb Uriarra Crossing Gr 11 (KeR2), dy/18 Feb Bullock Paddock Rd Gr 33 (TaM), dy/25 Feb Bidges Rd Gr 18 (CrI).



FINCHES AND SPARROW

European Goldfinch *Carduelis carduelis*

GBS: Numbers not significantly different from 1987-88 showing the usual spring peak in abundance.

WBS: 50 records including 58/21 Aug LBth Morass (LeM), 43/23 Feb LTug (BiJ, Hon, GrB).

Atlas: 743 non breeding records, 20 breeding records, first dy/Oct Mt Taylor Gr 52 (BeR2), last nb/30 Jan Mt Atkinson Gr 43 (MiPl).



European Greenfinch *Carduelis chloris*

Usual low level of observation, 2 records only.

Vise: 1/Oct Gungahlin (FuP), 2/23 Oct LBG (KiM, ChV, Fld).

House Sparrow *Passer domesticus*

Common in suburban Canberra and present in rural areas near human settlements.

GBS: Numbers unchanged. First n/4wk Sep Holt (EGR), last n/3wk Dec Evatt (LaM). First fle/2wk Oct Yarralumla (CaC).

WBS: 25 records including 50/23 Apr LBG (MeR), 12/21 Aug LBth (McR, MaR).

Atlas: 561 non-breeding records. 35 breeding records, including nb/4 Dec Tharwa Gr 97 (TaM), Sept Tidbinbilla Tracking Station Gr 64 (RoT), 25 Nov Point Hut Crossing (WW).



Red-browed Firetail *Emblema temporalis*

GBS: The usual peaks in abundance evident in winter and spring, numbers similar to previous years.

WBS: 10 records including 15/23 Apr LBG (BeR1, KiM, MuS), 2/23 Apr LTug (BiJ, Hon., GrB).

Atlas: 535 non-breeding records. 36 breeding records, first nb/4 Sept Molonglo Sewage Works Gr 12 (ClG1), last nb/1 Apr Smiths Rd Naas Gr 128

(HuN).



Dimond Firetail *Emblema guttata*

Atlas: 114 non-breeding records. 10 breeding records, including nb/Nov Ainslie Gr 27 (ClS), dy/Jan Campbell Pk (GrB), nb/May Smiths Rd Naas Gr 128 (HuN).

Misc: 2/15 Feb Red Hill (PoH).

Zebra Finch *Poephila guttata*

Most observations are in suburban Canberra, and are likely to be aviary escapees.

CBS: 1/23 Jul and 1/5 Nov Kambah (VeP).

Misc: 1/16 Mar Farrer (ReJ), 1/6 Aug Scullin (ClG1), 1/4 Dec Lyneham (McI).

Double-barred Finch *Poephila bichenovii*

GBS: Marked decline (65%) in overall abundance' this year (A=0.037) compared with 1987-88 (A=0.121). The winter peak in relative abundance was again apparent.

WBS: 3 records: 4/21 Aug LBG (FlD), 1/27 Aug LGin (DiB), 7/19 Feb LGin (DiB).

Chestnut-breasted Mannikin *Lonchura castaneothorax*

Misc: 1/18 Dec LTug (Hon), probably an aviary escapee.

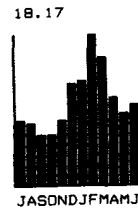
STARLING, MYNA, ORIOLE, DRONGO, BOWERBIRD AND MUDNESTERS

Common Starling *Sturnus vulgaris*

GBS: The most abundant suburban species overall, although a slight (7%) decline compared with 1987-88. A marked winter peak in relative abundance this year. Breeding records: first n/4wk Aug Yarralumla (CaC), last n/2wk Nov Page (AlB); first fle/1wk Oct Chapman (BrG), last fle/1wk Jan Stirling (JoD).

WBS: 51 records including 350/25 Jun LBth (MiP1), 25/25 Jun LGeo (LeB).

Atlas: 940 non-breeding records, 149 breeding records.



Common Myna *Acridotheres tristis*

GBS: Overall abundance similar to last year, apparently confirming the increase in numbers observed in recent years. Breeding: n/2wk Jan Chapman (BrG).

Atlas: 133 non-breeding records. 15 breeding records including cf/Oct Mt Arawang Gr 52 (BiJ), 25 Sep Bibaringa Gr 50 (WrH), ny/Dec Weston (LeB). Misc: 4/11 Sep Bowning (LeB).



Olivebacked Oriole *Oriolus sagittatus*

GBS: Average number seen continues to decline to levels recorded in 1984-86. 1986-87 - 0.062, 1987-88 - 0.054 and 1988-89 - 0.045. Seasonal pattern similar. First 1/1wk Jul Aranda (OMP), last 1/3wk Apr Garran (AlR), both early.

Atlas: 215 non-breeding records. First 1/late July Weetangera Gr 24 (FyM), last 1/23 May Black Mt (CrI). 10 breeding records including - ne/5 Nov LBG Gr 38 (HaK), dy/6 Nov E side Mt Ainslie Gr 27 (LeM), ny/21 Nov Naas Fire Trail Gr 155 (EGR), dy/4 Dec Naas R Gr 135 (BiJ), ny/7 Dec Molonglo R Gr 12 (RoD).



Spangled Drongo *Dicrurus hottentottus*

Misc: 1/1 May Mt Majura (HoB).

Satin Bowerbird *Ptilonorhynchus violaceus*

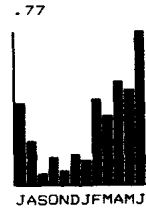
GBS: 10 records from 4 sites in Chapman and Duffy, Aug, Sep, May and Jun. Usually 1 to 3 birds, except 12/2wk May Duffy (SMM). All values up on 1987-88.

Atlas: 136 non-breeding records. 3 breeding records (the first for the Canberra region) - nb/ Nov Gr 48 (MuA), dy/2 Nov TNR Gr 74 (CrI), dy/26 Feb Blue Ra Hut Gr 19 (LeB).

White-winged Chough *Corcorax melanorhamphos*

GBS: Values show a return to more typical levels after the 1987-88 high. Seasonal patterns unchanged.

Atlas: 472 non-breeding records. 60 breeding records including - ny/25 Sep Millpost lane Gr 45 (KrS), dy/6 Nov Mt Ainslie E (LeM), ne/12 Nov Mulligan's Flat Gr 3 (LeB), ny/25 Nov Mt Stromlo W Gr 35 (LaJ), ny/31 Dec Mt Ainslie (LeM).



Australian Magpielark *Grallina cyanoleuca*

GBS: Average number observed (A), continues to decline; 1985-86 - 1.731, 1986-87 - 1.672, 1987-88 - 1.595, 1988-89 - 1.458. Seasonal pattern unchanged. First n/1wk Oct Holt (EGR), last n/4wk Dec Aranda (Old), first fle/3wk Dec Chapman (HAJ), last fle/1wk Mar Stirling (JoD).

Atlas: 940 non-breeding records. 107 breeding records.



WOODSWALLOWS

Masked Woodswallow *Artamus personatus*

Atlas: 2 non-breeding records: 2/Oct TNR (MaB), 2/15 Oct Bradley's Ck Gr 157 (CrI).

Mac: 3/16, 17, 18 and 24 Oct Mr Jerrabomberra (LiB).

White-browed Woodswallow *Artamus superciliosus*

GOBS: 15/5wk Oct Holt (EGR).

Atlas: More records than in any previous year. 31 non-breeding records from throughout the ACT including: 12 Oct Wattle Valley Hs Gr 10 (MiPl), 12 Nov Mulligan's Flat Gr 3 (LeB), 13 Nov Tuggeranong Hill (VeP), 20 Nov Bulga Ck Gr 50 (BeC), 8 Jan Castle Hill (BiJ). 15 breeding records including: ne/28 Nov Campbell Pk (TaM), cf/6 Dec Campbell (BaJ), ne/13 Dec Castle Hill Gr 87 (TaM), ny/31 Dec Mt Ainslie (LeM).

Dusky Woodswallow *Artamus cyanopterus*

GBS: No records this year.

Atlas: 361 non-breeding records. 65 breeding records including: ny/25 Sep Mulligan's Flat Gr 3 (BoJ), ne/10 Oct Kowen Forest Gr 44 (FiB), dy/25 Nov The Long Flat Gr 166 (CrI), dy/2 Feb Tuggeranong Hill Gr 78 (VeP), dy/28 Feb W of the Pinnacle Gr 23 (FyM).

BUTCHERBIRDS, MAGPIE AND CURRAWONGS

Grey Butcherbird *Cracticus torquatus*

GBS: 1/3wk Apr Farrer (SmM), 1/4wk May O'Connor (VaJ), 1/3wk Dec Chapman (BrG).

Atlas: 272 non-breeding records. 5 breeding records, nb/Oct Jerrabomberra Gr 69 (CoM), dy/Dec Smith's Rd/Clear Ra Gr 128 (HuN), dy/4 Dec Naas R trail Gr 155 (AlR), dy/21 Dec Lambrigg Hs Gr 87 (AlR), dy/Mar Smith's Rd Gr 128 (HuN).

Pied Butcherbird *Cracticus nigrogularis*
 Atlas: 1/12 Mar Gundaroo Rd Gr 9 (BoJ, LeB), possibly the same bird as recorded in 1987-88 in the same area.

Australian (algae) *Gymnorhina tibicen*
 GBS: A very stable population, as in previous years, showing no change from 1987-88. Seasonal pattern also unchanged. First n/1wk Aug Cook (BrM2), fle/3wk Sep O'Connor (VaJ), last n/3wk Dec Farrer (SMM), fle/2wk Jan Chapman (HAJ).
 Atlas: 1415 non-breeding records. 217 breeding records.



Pied Currawong *Strepera graculina*
 GBS: Average number (A) slightly down on 1987-88, from 4.968 to 4.357, as were distribution (F), from 100.0% to 98.21%, recording rate and group size. Seasonal pattern unchanged. First n/4wk Aug Page (AlB), fle/2wk Nov Ainslie (LeM), last n/4wk Dec Campbell (ClS), fle/3wk Jan Weetangera (FyM).
 Atlas: 1380 non-breeding records, 78 breeding records.



Grey Currawong *Strepera versicolor*
 GBS: Values slightly higher than for 1987-88. Seasonal pattern similar except for drop during Dec-Jan.
 Atlas: 483 non-breeding records. 13 breeding records including: ny/15 Sep Fishing Gap trail Gr 83 (TaM), dy/12 Oct Wattle Valley Hs Gr 10 (MiP1), dy/24 Dec Kowen Forest Gr 43 (MiP1), dy/28 Dec Mulligan's Flat Gr 3 (LeB).



RAVENS

Australian Raven *Corvus coronoides*
 GBS: Average numbers rose noticeably from 0.640 in 1987-88 to 0.747. Other values largely unchanged, except for group size which rose to 2.0 after remaining steady between 1.7 and 1.8 in recent years. Seasonal pattern the same except for higher values in August and November. Fewer breeding records: first n/3wk Aug Turner (BaJ), last n/2wk Nov Turner (BaJ).
 Atlas: 1332 non-breeding records. 33 breeding



records including: ne/9 Aug Haig Pk (LeM), nb/28 Aug Mugga Lane tip Gr 68 (LeB), dy/8 Nov Tuggeranong Pkwy Gr 37 (LeB), ny/17 Nov Gundaroo Rd Gr 8 (KeJ), dy/28 Feb Yaouk Rd Gr 163 (CrI).

Little Raven *Corvus mellori*
 GBS: All values down noticeably. This species shows marked fluctuations from year to year in the GBS. 26/2wk Aug Kambah (VeP), 5/2wk Aug Watson (HoB), 30/1wk Feb Holt (EGR). Atlas: 235 non-breeding records. Only one breeding record: dy/18 Dec Creamy Flat trail Gr 122 (VaJ).

CALENDAR OF EVENTS FOR 1991

Monthly Meeting (Wednesday)	Waterbird Survey (Sunday)		Outings
January			
9	20	Sunday 13	Warks Road (Grid D16)
February			
13	24	Sunday 3	Identification For Beginners
		Sunday 17	Wanniassa Hills (Grid K16)
March			
13	24	Sunday 3	Tin Hut Inlet, Googong (Grid 016)
		Friday 29/ Monday 1 April	Nadgee Nature Reserve (campout)
April			
10	21	Sunday 14	Bruce Ridge (Grid K13)
		Saturday 20	Point Hut (Grid J17)
		Sunday 28	Bendoura State Forest/Majors Creek (Grid Y21/Z20)
May			
8	19	Sunday 12	Lake George South (Grid R11)
		Sunday 26	Rocky Crossing (Grid H22)
June			
12	23	Saturday 8/ Monday 10	Kioloa (campout)
		Sunday 16	Yalgum (Grid Q14)

Monthly Meeting (Wednesday)	Waterbird Survey (Sunday)		Outings
July			
10	21	Sunday 14	To be announced
August			
14	25	Sunday 4	Mt Majura (Grid M12)
		Sunday 18	Jindalee State Forest
September			
11	22	Sunday 1	Mt Jerrabomberra (Grid N15)
		Sunday 15	Bellmount Forest (Grid 04)
		Sunday 22	The Big Hole (Grid X24)
October			
9	20	Saturday 5/ Monday 7	Bombala River (campout)
		Sunday 13	Tuggeranong Hill (Grid K17)
		Sunday 27	Boboyan Forest (Grid H25)
November			
13	24	Sunday 10	Castle Hill (Grid 118)
		Saturday 23	Lowden Forest (Grid w19)
December			
11	15	Saturday 7/ Sunday 8	Mt Clear (campout) (Grid 127)

FOR SALE

The following are available from Canberra Ornithologists Group,
PO Box 301. CIVIC SQUARE ACT 2608:

A POCKET LIST OF AUSTRALIAN BIRDS Price 50c

This booklet lists the names of all bird species recorded in Australia. Alongside the names are ten columns that can be used to tally the species seen in different localities or on different days. It greatly simplifies the recording of field lists.

BIRD SONGS OF CANBERRA Price \$10

This cassette contains recordings of the songs and calls of 73 birds that are commonly heard in Canberra gardens and parks. The majority have been recorded in Canberra or the surrounding area. Seasonal variation in songs have been included where appropriate.

GARDEN BIRD SURVEY CHART Price 50c

This is the means of contributing to our Garden Bird Survey and keeping track of what happens in your area.

ACT BIRDWATCHERS HOTLINE Telephone 247 5530

An up-to-date five minute recorded message with interesting news such as returning migrants, rarities, meetings, outings, and bargains for birdwatchers in Canberra. Twenty-four hour service up-dated every Sunday.

Canberra Bird Notes is published quarterly by the Canberra Ornithologists Group. Contributions are welcome. These should fit into one of the following categories: major articles (up to about 3000 words); short notes and "Odd Obs" (up to about 300 words); reviews of books and articles (up to about 500 words); and where to watch birds (up to about 800 words). The articles and notes should cover matters of the distribution, identification, and behaviour of birds in the Canberra region (i.e. New South Wales coast north to Jervis Bay, and west to the Riverina). Contributions can be sent to the editors c/o David Purchase, 5 Orchard Place, Melba, ACT 2615 (Tel 258 2252).

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