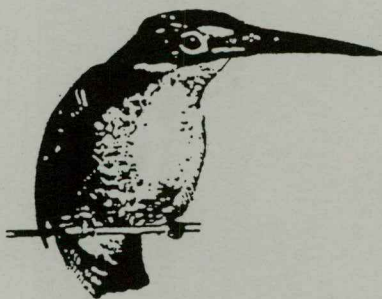


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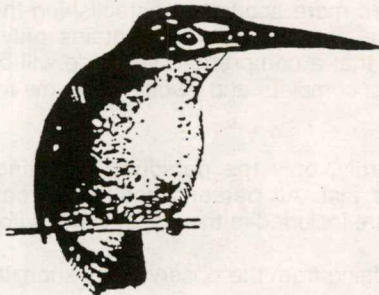
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AUSTRALIAN BIRDS



Volume 23,(4)

June 1990

1986 NEW SOUTH WALES BIRD REPORT

R.M.COOPER

This report, the seventeenth annual NSW Bird Report, summarises the more significant observations of birds in New South Wales during the 1986 calendar year, i.e. from 1 January to 31 December 1986.

The aims of the NSW Bird Report are:

- to record reports of observations of species accidental or rare to NSW;
- to record observations which more precisely define the normal distributions of the birds within NSW; and
- to record observations which may indicate changes in species' numbers, frequency, range or movements.

The changes introduced to the format of the annual Bird Report in 1985 were well received by members and other readers. Accordingly, these changes have been retained here. There are three main variations from pre-1985 reports.

Firstly, observations are not presented within the 17 defined state regions but the general format does follow a north-south pattern.

Secondly, each Report is accompanied by a Location Guide (Appendix 2) to assist readers with more accurately establishing the general location of reported observations. To save space, the 1986 Guide contains only locations not previously reported though it is envisaged that a comprehensive guide will be included with Reports from time to time. The Guide is not complete and I would welcome more precise information on any location for future reference.

Thirdly, only the person(s) reporting a particular observation is mentioned in the Systematic List. All persons notified as having been present at the time of observation, however, are included in the List of Contributors (see Appendix 1).

Judging from the observations submitted, 1986 appears to be a year in which changes in species' numbers, range and movements were very noticeable. Readers will find reports of large or unusually large populations, range extensions and new area/locality records, etc. On the other hand, seabird records are considerably down on 1985 but do include the 1st Australian record of the nominate race of the Yellow-nosed Albatross.

As requested in the 1985 Bird Report, I would appreciate it if each contributor would submit records in taxonomic order and, then, in regional order within each species (the regions are shown in Fig. 1, Aust. Birds 20:98). It would be a great help too if you could clearly define the location of each observation. This will simplify the whole report preparation process, save considerable production time and enable reports to be produced on a more timely basis.

My thanks to Alan Morris for his information, advice and patience with the preparation of this report.

R.M. Cooper, RMB 374C Howlong Road, Splitters Creek via ALBURY 2640.

SYSTEMATIC LIST

Emu *Dromaius novaehollandiae*

1 Iluka NR 10 Dec (DPa); 2 just N. Jerusalem Creek, Bundjalung NP 22 Nov; 3 adults, 4 young, Pillar Valley, MacLean 9 Dec (DG). 1 male, 9 half-grown young, Burrendong SRA 4-5 Dec (DSm), introduced here in 1985, now free-ranging.

Great Crested Grebe *Podiceps cristatus*

Several Maitland STW through out year (HBOC). Southern Tablelands: 4 Wingecaribee Res 11 May (ELC).

Hoary-headed Grebe *P. poliocephalus*

8 N. Botany Bay 21 Jun (RB); 400+ Why Buck Bay, Lake Illawarra 1 Jun (CJC). Both observations unusual winter records, higher number than usual for Lake Illawarra.

Northern Royal Albatross *Diomedea epomophora sanfordi*

1 off Wollongong 25-26 Oct (DF, TBO 660:02).

Wandering Albatross *D. exulans*

Observation of 2 off Swansea (45km SE) 5 Oct (HBOC), represents a late record. Off Wollongong, 2 on 26 Jan (AEFR), an early date for this species.

Black-browed Albatross *D. melanophrys*

6 off Redhead (12km E) 10 May; 3 off Swansea (45km SE) 5 Oct (HBOC). Early and late dates for Hunter Region.

Grey-headed Albatross *D. chrysostoma*

1 washed ashore Mona Vale 5 Aug taken to 200 fathoms and released on 12 Aug (AKM). 5th County of Cumberland record.

Yellow-nosed Albatross *D.c. chlororhynchos*

Off Wollongong 24 Aug (MJC, TBO 657:100). First Australian record of nominate race.

Shy Albatross *D. cauta*

1 beachwashed Curl Curl 8 Aug (LJH).

Buller's Albatross *D. bulleri*

Off Wollongong 28-29 Jun (MJC, TBO 657:100). Consistant with known occurrence.

Sooty Albatross *Phoebastria fusca*

Report of 2, 2-3 km off Moruya Heads 2 Aug (RjD), (no details supplied).

Southern Giant-petrel *Macronectes giganteus*

1 washed ashore Store Beach, SHNP 9 Aug, taken to Taronga Park for rehabilitation (AB).

Northern Giant-petrel *M. halli*

1 Crookhaven Heads 22 Jun (CJC).

White-necked Petrel *Pterodroma cervicalis*

1 off Wollongong 26 Jan (AEFR), 3kms offshore in 150 fathoms. 11th NSW record, is consistent with previous records.

Providence Petrel *P. solandri*

2 Crookhaven Heads 22 Jun (CJC).

Tahiti Petrel *P. rostrata*

1 SE of Ballina (at 55 fathoms) 7 Dec (GH); 1 off Wollongong 15-16 Feb (MJC, TBO 651:26).

- Great-winged Petrel *P. macroptera*
2 off Swansea (45km SE) 5 Oct (HBOC); c.30 off Wollongong 26 Jan (AEFR); 1 beachwashed Port Kembla 8 Aug (CJC).
- Black-winged Petrel *P. nigripennis*
1 off Wollongong 26 Jan (AEFR), 11 km offshore at 57 fathoms.
- Gould's Petrel *P. leucoptera*
40+ off Wollongong 26 Jan (AEFR), mostly beyond 30 km offshore; 13 on 15-16 Feb (MJC, TBO 651:26).
- Antarctic Prion *Pachyptila desolata*
1 beachwashed Curl Curl 8 Aug (LJH); 2 beachwashed Garie Beach, Royal NP 12 Aug (ARMcG). Illawarra: 1 off Wollongong 24 Aug (MJC, TBO 657:100); 2 beachwashed Port Kembla 8 Aug; 1 beachwashed same place 9 Aug (CJC). More records than usual for August.
- Slender-billed Prion *P. belcheri*
1 beachwashed Ballina 15 Sep (GH), first north coast record. Illawarra: 1 beachwashed Port Kembla 8 Aug (CJC), 7th County record. (Note: There have been few acceptable observations of birds at sea due to identification difficulties.)
- Westland Petrel *Procellaria westlandica*
1 Kororo Bay, Coffs Harbour 28 Dec (SGL), 7th NSW record and 2nd Northern Rivers record.
- Black Petrel *P. parkinsoni*
1 off Wollongong 15-16 Feb (MJC, TBO 651:26) and 25-26 Oct (DF, TBO 660:02), consistent with known occurrences i.e. Oct-Feb.
- Pink-footed Shearwater *Puffinus creatopus*
1 fed off Wollongong 22 Mar (DF, Aust. Birds 22.87-88; TBO 653:50).
- Fleshy-footed Shearwater *P. carneipes*
c.500 off Wollongong 26 Jan (AEFR), large flock.
- Buller's Shearwater *P. bulleri*
1 Ballina 15 Sep (GH); 4 off Wollongong 26 Jan (AEFR), 1 on 25-26 Oct (DF, TBO 660:02). 1 off Green Cape (60 fathoms) 8 Jan (GH). More observations each year.
- Wedge-tailed Shearwater *P. pacificus*
Two records of birds blown ashore viz. 1 Shortland 5 May and 1 Kotara Hts 7 May (HBOC).
- Fluttering Shearwater *P. gavia*
100+ off Swansea (45km SE) 5 Oct (HBOC).
- Hutton's Shearwater *P. huttoni*
2 off Wollongong 26 Jan (AEFR).
- Little Shearwater *P. assimilis*
1 beachwashed Ballina 4 Jun (GH); 1 beachwashed Austinmer Beach (CJC); 1 off Port Kembla 15 Aug (DSt).
- Wilson's Storm-petrel *Oceanites oceanicus*
2 off Swansea (45km SE) 5 Oct (HBOC).
- White-faced Storm-petrel *Pelagodroma marina*
10+ off Seal Rocks 3 Sep (HBOC); 20+ off Swansea 5 Oct (HBOC); 2 off Wollongong 26 Jan (AEFR).

Australian Pelican *Pelecanus conspicillatus*

63 nests Pelican Is, Wallis Lake 2 Mar (DT). 33 pairs nesting Five Islands NR Sep (CJC). Whilst this species has been known to breed at Pelican Is for some years, the Five Islands NR record represents only the second known coastal breeding site in NSW.

Brown Booby *Sula leucogaster*

1 Ballina 1 May (GH); 1 immature off Swansea 5 Oct (HBOC). Consistant with known status.

Australian Darter *Anhinga melanogaster*

3+ pairs breeding Woodford Is, Clarence R with 4-5 nestlings present 7 Mar; 1 female on nest Carrs Is, near Grafton 15 Nov (GC). First breeding records for Northern Rivers.

Black-faced Shag *Leucocarbo fuscescens*

25-32 Twofold Bay 5-8 Jan (GH). An extraordinary number and 3rd NSW record.

Great Cormorant *Phalacrocorax carbo*

Bred Shortland during year (HBOC); 430 Windang 10 Jul (CJC), a large concentration.

Pied Cormorant *P. varius*

Nesting colony Woollooware Bay 60+ nests 26 May and 38 nests on 1 Nov (PRR). First nesting in Botany Bay since 1939.

Little Black Cormorant *P. sulcirostris*

Bred Shortland during year (HBOC); 6 Lake Northam, Broadway, Sydney, 4 Nov (AWC), a very unusual location. c.500 pairs nesting Torry Plains, Balranald, 9 Dec (JB).

Little Pied Cormorant *P. melanoleucos*

Bred Shortland during year (HBOC); 5 pairs nesting Hawkeswood HSD, Cobbity, 13 Dec (JSe).

White-tailed Tropic-bird *Phaethon lepturus*

6 E. of Broken Bay at 100 fathom line 3 Mar (IB); 1 off Wollongong 15-16 Feb (MJC, TBO 651:26).

Pacific Heron *Ardea pacifica*

1 Lake Northam, Broadway, Sydney 24 Jul (RBr); 6 pairs nesting Kerta HSD, Moruya 27 Sep-Dec (ENHS 1986); 30 Bega 28 Feb (CJC).

Great Egret *Egretta alba*

Bred Shortland during year (HBOC); 30 nests Almond Road swamp, Leeton 10 Jan (KH); c.150 pairs nesting Torry Plains, Balranald 9 Dec (JB).

Plumed Egret *E. intermedia*

Bred Shortland during year (HBOC); 170 nests Almond Road swamp, Leeton 10 Jan (KH) and c.100 pairs nesting here in Dec (JB); 1 Why Juck Bay 1 Jun, 7 Cecil Hoskin NR 16 Mar and 2 Lake Bathurst 2 Mar (CJC).

Little Egret *E. garzetta*

Bred Shortland during year (HBOC). Scarce around Leeton but 1 nest Almond Road swamp, Leeton 10 Jan (KH).

Eastern Reef Egret *E. sacra*

1 Crookhaven Heads 13 Apr, 1 Lake Wapengo 27 Feb and 16 Windang 7 Mar (CJC); 2 Burrewarra Point all year, 1 Broulee Jun; 1 Malua Bay Nov (ENHS 1986).

Cattle Egret *Ardeola ibis*

100's tending nests Lawrence 21 Nov with c.500 nests 28 Nov (GC); Bred Shortland during year (HBOC); Max 9 near Turrella Stn Jul-Aug (NRa) first record for Wolli Creek Reserve, 6 nests Almond Road swamp, Leeton 10 Jan (KH).

Mangrove Heron *Butorides striatus*

Pair raised 2 young Nambucca Heads Jan (DS). Sydney: 1 Parramatta River, Meadowbank 4 Apr; 1 Botany 13 Oct (BD); 1 Cabbage Tree Basin, Royal NP 1 Nov (BL). Illawarra: 1 Comerong Is 14 Jul (DW); 2 Numbaa 7 Nov (CJC); 2 Nelson Lagoon, Mimosa Rock NP 27 Feb (CJC); 1 Tathra Jul (EA, TBO 657:100); 1 Moruya Heads Oct (ENHS 1986).

Rufous Night Heron *Nycticorax caledonicus*

1 Parramatta River, Meadowbank 2 Feb (BD).

Little Bittern *Ixobrychus minutus*

1 Shortland 4 Nov (HBOC).

Black Bittern *Dupetor flavicollis*

1 Toronto 15 Jul (HBOC). 1 Maulbrooke Rd, Moruya 6 May (ENHS 1986).

Australasian Bittern *Botaurus poiciloptilus*

1 Shortland WC 8 Jun (AKM); 1 roadside swamp Dunmore Sep (CJC); Min 5 Torry Plains HSD, Balranald 9 Dec (JB); 2 Tuckerbil Swamp 18 Oct (KH).

Black-necked Stork *Xenorhynchus asiaticus*

26 reports for the Northern Rivers region south to Coffs Harbour including immature birds (GC, SGL). Pair nested Lower Kangaroo Creek Aug-Oct where 2 young hatched. One died attempting to leave nest the second (banded on 2 Oct.) was found dead on a barb wire fence near banding place in late Oct (GC); 2 adults with 3 (fledged) young Waterview 15 June (EW). Other records were: 1 Booti Booti SRA 13 Nov (DT); 1 Glenoak near Seaham 4 May and 5-19 Jul (HBOC).

Glossy Ibis *Plegadis falcinellus*

19 reports for Clarence Valley district covering all months except Jan, Apr and Sep (GC, DPA). Newcastle: 7 reports of between 1 and 40 birds for months of Feb, Apr, May, Jul, Aug, Oct, Nov (HBOC). Sydney: 4 McGrath's Hill 4 Jan (AEFR); 8 Pitt Town Common 2 Mar (DSm); About 200 pairs Berangerine HSD Gunbar Dec (JB). Illawarra: 1 Bomaderry 10-27 Jul (DW).

Straw-necked Ibis *Threskiornis spinicollis*

200 pairs nesting Wanganella Dec; 10,000-20,000 pairs nesting Berangerine HSD, Gunbar Dec (JB).

Sacred Ibis *T. aethiopica*

50 pairs nesting Torry Plains HSD, Balranald Dec; 2000 pairs nesting Wanganella Dec; 200 pairs nesting Berangerine HSD, Gunbar Dec; 100 pairs nesting Barrenbox Swamp Dec; 3 pairs Booligal HSD Dec (JB); 2 nests Almond Road swamp, Leeton 10 Jan (KH).

Royal Spoonbill *Platalea regia*

70+ near Seaham NR 28 Apr (EF); Nested in lignum swamp Torry Plains, Balranald 9 Dec (JB), no estimate of numbers made. 44 Koona Bay 22 Feb (CJC); 79 Greenwell Point 12 Oct, 80 Bega 28 Feb (CJC).

Yellow-billed Spoonbill *P. flavipes*

1 Yallah 1 Jun, 1 Dapto 9 Jun (CJC); 10 Riverview HSD, Bodalla 26 Jul (ENHS 1986) represents an unusually large concentration.

Magpie Goose *Anseranas semipalmata*

12 reports for Northern Rivers region span all months except Mar, Apr and Jun. Newcastle: Reported from Seaham NR and Shortland WC includes 1 young from 13 Jan thence continuing for remainder of year (HBOC); 5 in swamp near Collector, just North of Willow Creek 31 Mar (WLa); 2 Dareton 19 Aug (RS, TBO 650:123); 2 including one wearing plastic collar Corowa STW 29 Apr (PSh, TBO 662:28), these probably were birds released by the Victorian wildlife authorities.

Plumed Whistling-duck *Dendrocygna eytoni*

c.30 12 km E of Mungindi 29 Mar (DG); 70+ Carwall Lagoon, Mungindi 2 May; 35+ Mains Lagoon, Boggabilla 2 May (DA). Newcastle: 2 Minmi 24 Feb and 2 Mar; 7 Shortland 12 Apr (HBOC). Sydney: 10-20 Killarney Stud, Richmond 4 Jan (AEFR) including possible family party. Between 30 and 300+ recorded from 17 Aug until late Nov Fivebough Swamp, Leeton (KH), this is an exceptional record.

Wandering Whistling-duck *D. arcuata*

6+ with *D. eytoni* flock Trenayr NR 24 Mar (DG); 85 Jacana HSD, Clarenza 24 Aug was largest number observed during year but not seen thereafter (EW). Newcastle: From 2 to 39 recorded at Minmi and Shortland between Mar and Dec (HBOC).

Black Swan *Cygnus atratus*

10 Fivebough Swamp, Leeton 31 Mar; 126 on 12 Apr (KH). 1005 Lake Illawarra 14 Sep (CJC), this is close to the maximum number recorded for the lake.

Freckled Duck *Stictonetta naevosa*

Newcastle: 2 Shortland 12 Nov (HBOC). Sydney: 13 Pitt Town Common 29 Mar (ARMcG). 1 Gum Swamp, Forbes 25-27 Apr (PF); 7 Lake Ballyrogan 30 Mar (NM); 3 Fivebough Swamp, Leeton 5 Jan, 2 on 12 Jan and 2 on 8 June (KH); 2 Cecil Hoskins NR 5 Jan (RM). An average year.

Mountain Duck *Tadorna tadornoides*

1 male Swan Creek 29 Dec (EW) unusual in Northern Rivers region. 203 Lake Bathurst 2 Mar (CJC); 89 Fivebough Swamp, Leeton 12 Apr; 50 on 5 Nov (KH).

Mallard *Anas platyrhynchos*

10 See Park, Grafton including Black Duck hybrids 13 Apr; 9 adults, 21 ducklings 21 Nov; 1 male Deep Creek, Ulmarra 9 Dec; 1 male near Coutts Crossing 19 Apr-5 Dec (GC); 1 female Port Macquarie STW 23 Dec (GC).

Grey Teal *A. gibberifrons*

1407 Lower Shoalhaven River 5 Jul (CJC) highest local count in recent times.

Chestnut Teal *A. castanea*

1 male Shallow Channel, Yamba 15 Jul, 2+ pairs 28 Nov; 1 male N of Grafton 27 Apr; 2 female plumage Grafton 6 Dec; 1 male Sportsmans Creek 16 Aug, 3 pairs 21 Nov (GC). Port Macquarie STW: 4+ on 20 Jul, 31+ on 19 Dec, 43+ on 20 Dec, 58+ on 23 Dec (GC); Consistant with known distribution. No further reports will be published for Northern Rivers and Mid North Coast unless exceptions to current distribution. 15 males Nericon Swamp, Griffith 5 Aug (JB) and 12 on 9 Aug (KH); 2 Fivebough Swamp

23 Jan (KH). Max 970 on Lake Illawarra 6 Jul, and 736 Lower Shoalhaven River 5 Jul (CJC). Maximum numbers recorded for the Illawarra Region.

Blue-winged Shoveler *A. rhynchotis*

Pair Almy Creek 15 Jul; Pair near Coutts Crossing 5 Jun, 9 Jul and 10 Aug (GC). Sydney: 1 male Deep Creek 20 Apr (FC); c.20 McGrath's Hill 28 Jun (AEFR). 150 Fivebough Swamp, Leeton 4 May (KH).

Pink-eared Duck *Malacorhynchus membranaceus*

Newcastle: 1200 Morpeth STW 21 Sep; 2000+ Wentworth Swamp 14 Jun (HBOC). Illawarra: 10 Nowra STW 31 Jan, 9 on 7 Mar, 100 on 23 May, 34 on 21 Jul; 4 Berry 21 Jul (DW); 153 Yallah 1 Jun (CJC); 425 Lake Bathurst 2 Feb (CJC). Extraordinary numbers for both the Hunter and the Illawarra Region.

Hardhead *Aythya australis*

30+ Sportsmans Creek 15 Jul (GC); 10+ Port Macquarie STW 19 Jul, 15 on 20 Jul, 3 on 20 Dec, 3 on 23 Dec (GC). 800+ Saltwater Swamp 8 Jun; 2500 Nowra STW 5 Jul (CJC). Largest number ever recorded for South Coast Region.

Blue-billed Duck *Oxyura australis*

6 Gum Swamp Forbes 26 Apr (GT); 3 males Fivebough Swamp, Leeton 12 Oct; 1 on 1 Nov (KH). 8 Cecil Hoskin NR 6 Jul (CJC); 1 Killalea Lagoon 11 Mar (CJC).

Musk Duck *Biziura lobata*

1 male Grafton 27 Apr and 16 Jul; 1 male Kentucky Stud near Grafton 13 Sep, consistent with known distribution no further records will be published (GC); 2 Nowra STW 31 Jan, 1 on 7 Mar, 1 on 5 Mar (DW); 30 Tallawarra Power Stn 6 Jul (CJC).

Osprey *Pandion haliaetus*

26 reports for Northern Rivers region south to Port Macquarie with a number of active nests recorded S of Tweed Heads in Clarence River district between Yamba and Grafton and in Nambucca Valley (GC). Newcastle: 1 Blackalls Park 4 May and 9 Sep; Also observed at Booti Booti SRA 1-2 Mar (FOC), first Park Record. 1 Burrewarra Point 13 Dec (ENHS 1986).

Crested Hawk *Aviceda subcristata*

1 by roadside on northern outskirts of Ballina 9 Sep (AEFR); 1 Coachwood Picnic Area, Washpool NP 5 Jan; 1 Red Rock 19 Feb; 1 S of Grafton 22 Mar; 2 Maclean 30 Jul and 4 Oct; 1 Woolgoolga FR 13 Sep; 1 Brunswick Heads 21 Sep; 2 Purgatory Creek near Lilydale 11 Oct; 1 Coutts Crossing 24 Jun, 4 on 22 Oct (GC) Consistent with known distribution, no further records for Northern Rivers will be published other than breeding summaries. Newcastle: Bred Minmi and Blackbutt Reserve ; Observed 11 times Kilaben Bay between 3 Apr and 8 Sep; 2 adults and 2 juveniles Gwandalan 3 Apr (HBOC) Sydney Region: 1 Davidson Park, St. Ives 29 Jan (NM).

Black Kite *Milvus migrans*

1 South Grafton 3 Jul (DG); 1 N of Irrawang near Seaham 27 Jun (HBOC); 1 Fivebough Swamp, Leeton 15 Jun, 1 on 20 Jul (KH).

Square-tailed Kite *Lophoictinia isura*

1 E of Boggabilla 28 Mar (BH); 1 Bora Ridge Woodburn 2 Aug (GH); 1 Coutts Crossing five occasions 21 Feb-20 Aug (GC); 1 Minnie Water 10 May; 1 Grafton 28 Aug (DG); 2 Jacana HSD 23 Aug (EW), regular observations in Northern Rivers are unexpected and apparently birds are resident. 2 Munghorn Gap NR 8 Nov (AH); 1 Maulbrooke Rd

- Moruya 16 Sep, 12-13 Nov and 15 Nov (EHNS 1986). More records than usual, but still no records for Mid-north Coast and Illawarra.
- Black-breasted Kite *Hamirostra melanosterna*
Only record: 1 between Tibooburra and White Cliffs 23 Sep (ARMcG). Poor year for records.
- Brahminy Kite *Haliastur indus*
Red Rock: Up to 3 different birds seen between 19 Feb and 26 Nov and found nesting 24 Aug (DPa,GC); 1 Booti Booti SRA 18 May (DT), south of regular range.
- Whistling Kite *H. sphenurus*
1 Centennial Park 5 Apr (AKM), rarely recorded here.
- Collared Sparrowhawk *Accipiter cirrocephalus*
1 E Wahroongah 15 Jun; 1 immature Grosvenor Track Kuring-gai NP 8 Jul (EF); 1 Dee Why Lagoon 1 Mar (FC); 1 female Pennant Hills Park 16 Mar (BD).
- Grey Goshawk *A. novaehollandiae*
2 Gibraltar Range NP 18 Jan (DG); Washpool NP: 1 on 9 Jan, 2 on 12 Jan, 1 on 2 Sep, 2 on 7 Sep, 1 Ramornie 7 Sep (GC); 1 Seaham Swamp NR 10 May (AKM). Recorded at 4 locations in Moruya district during year (EHNS 1986).
- Red Goshawk *Erythrotriorchis radiatus*
Sightings reports from Stokers Siding early 1986; Pottsville (no date); Wardell Oct (per SD) 1 Coolgardie Rd, Wardell 17 Oct (GH) possibly the same record for Wardell Oct; 1 Valla 30 Jan, 7 and 8 Feb (DS). As stated in the 1985 Report this is an endangered species and in NSW there is an urgent need for positive conservation action.
- White-bellied Sea-eagle *Haliaeetus leucogaster*
1 Raymond Terrace 23 Sep (JGa, TBO 659:123); 1 Dee Why Lagoon 13 Jun (FC); adult seen taking food between Ashton and Neilsen Parks, Sydney Harbour 18 Aug (AKM); 1 Jindera 11 May (MP, TBO 655:75).
- Wedge-tailed Eagle *Aquila audax*
4 Corindi River 3 Oct (DPa).
- Little Eagle *Hieraaetus morphnoides*
Adult Hexham NR 8 Jun (AKM); Sydney: 1 dark phase S Turramurra 18 Jun (DLA); 1 E Wahroongah 2 Aug (EF); 1 Ingleburn 26 Dec (LJH); 1 Earlwood Jul and Aug (NRa). Several records from the Cobbity area (per AKM).
- Swamp Harrier *Circus approximans*
1 near Ballina 21 Sep; 2 Lake Hiawatha 9 Dec; 1 Camden Haven 10 Nov (GC); 1 Earlwood Jul (NRa).
- Spotted Harrier *C. assimilis*
1 N of Kyogle 13 Jun; 1 S of Kyogle 28 Jun; 1 Towallum 13 Jul (GC); 1 Tomki Creek 10 Jul; 1 Diggers Headland 14 Sep (DG); 1 Jacana HSD, Clarenza 12 Jul and 20 Oct (EW), first local sightings. Mid-North Coast: 1 Beechwood 22 Apr; 1 Thrumster 24 Apr; 1 Pembroke 26 Apr (DG). These three reports are observer's only sightings in Hastings Valley over past c.25 years. Present on Cumberland Plain with max 4, 31 May-3 Aug (JHa); Pair Tyagarah Aerodrome 11 Jun (DSm); 1 Berry 6 Jul (DW); 1 Minnamurra 14 Jun and 12 Dec; 1 Numbaa 8 Jul; 1 Killalea SRA 14 Aug (CJC). Unusually high numbers for Illawarra.

Black Falcon *Falco subniger*

1 Lake Salisbury 6 May (WLa); 1 attacking waders Ballina 20 Sep (GH); 1 The Haystack, Old Bonalbo 28 Dec (DG); 1 Harparary HSD 12 Jan (DR); 1 Round Hill NR 29 Aug (GH). Recorded at Back Yamma SF 25-26 Apr (GT); 1 along Poolabooka Rd Grenfell 28 Apr (EF); 1 Torry Plains Balranald 9 Dec (JB); 1 Fivebough Swamp, Leeton 7 Sep and 1 near Whitton 15 Jun (KH); 1 Exeter 19 Jan (CJC).

Peregrine Falcon *F. peregrinus*

2 Sturt NP 11 Jan (MS); 1 Gibraltar Range NP 29 Aug; 1 Lower Kangaroo Creek 9 Oct; 1 S of Angourie 29 Jun; 1 Glenugie Peak 12 Jul. Coutts Crossing: Single birds observed at least once each month between 30 Jan and 23 Jun and during Aug, Oct and Dec (GC). 1 Swansea 28 Apr (EF); Back Yamma SF 25-26 Apr (GT); 15 Sydney records including report of continued regular sightings from 10th floor of North Sydney office block (BH,DLA,ELC,BD,AEFR). Nowra: 1 on 31 Jan, 1 on 22 Nov (DW); 1 Jervis Bay 14 July; 1 Fivebough Swamp Leeton Jan, Apr and Jun (KH).

Australian Hobby *F. longipennis*

1 Grafton 29 Nov (DPa); 1 Mona Vale 3 Apr (EF); 1 Manly and South Head during Jul (AKM).

Grey Falcon *F. hypoleucos*

1 Sturt NP Jul (MS); 1 Mootwingee NP 4 Sep (NSh).

Mallee-fowl *Leipoa ocellata*

Report of single bird Goulburn River NP date not supplied (JB). (Note: At least 12 subsequent sightings in this area since 1986, per NSWBA reports) First known record east of the Great Divide. 2 adults and 2 young Loughnan NR 29-30 Mar (NM).

Stubble Quail *Coturnix pectoralis*

Observed Booti Booti SRA 1-2 Mar (FOC), first Park record; 1 The Haystack, Old Bonalbo 28 Dec (DG); 2 Comerong Is 15 Feb; 2 Worrigea 18 Aug (DW).

Brown Quail *C. australis*

1 landed on a fishing trawler c.6.5 km off Broome Head at night 25 Mar (GC); 3 adult with 2 juveniles Munmorah SRA 27 Feb (EF). Recorded Back Yamma SF 25-26 Apr (GT); 4 Cape Solander, Botany Bay NP Jul (BHa). Munmorah and Botany Bay records are not uncommon.

King Quail *C. chinensis*

1 Killalea SRA 23 May (CJC).

Red-backed Button-quail *Turnix maculosa*

Pair Wardell 1 Oct and 1 male 15 Oct (GH).

Painted Button-quail *T. varia*

1 roadkilled Gibraltar Range NP 30 Mar (GC). Illawarra: 1 Bass Point 21 Jun (CJC); 1 Bamerang 10 Apr; 1 Comerong Is 14 Jul (DW); 1 Killalea SRA 15 Jun (CJC).

Red-chested Button-quail *T. pyrrhotorax*

Wardell: 2 on 8 Oct and 1 on 15 Oct (GH), rare in Northern Rivers region.

Banded Landrail *Rallus philippensis*

1 on roadside Shark Bay Bundjalung NP 16 Aug; 3 Munro Is, Lawrence 18 Oct; 2 Dart Is, Yamba 22 and 28 Nov; 1 heard Station Creek, Yuraygir NP 17 Dec; 1 Coutts Crossing 9 Apr (GC). Nowra: 1 on 5 Jul and 7 Sep; 2, 9-18 Nov; 5 on 13 Dec and 5 including 4 chicks 14 Dec (DW, CJC); 1 Shellharbour Swamp 11 Apr (CJC).

Lewin's Rail *R. pectoralis*

1 heard Cumbebin Swamp, Byron Bay 28 Jul (GC); 1 heard then seen briefly near Anvil Rock, Gibraltar Range NP 10 Jan; and heard again same place 16 Jan (GC) these are first records for this NP; 1 heard Red Rock 20 Mar and 1 adult/sub-adult caught and banded here on 5 Apr (GC) 1 heard Hibbard 20 Jul (GC); 1 Harparary HSD 12 Jan (DR); Several Dudley 20 Sep (HBOC); 1 heard Woollooware Bay 9 Nov (GC); 1 Barham 22 Apr (ET, TBO 655:75).

Marsh Crake *Porzana pusilla*

2-3 Fivebough Swamp, Leeton 14 Aug-12 Oct (KH).

Australian Spotted Crake *P. fluminea*

1 Ballina 13 Aug (GH); Small numbers Fivebough Swamp, Leeton May-Juni (KH); 2 Homebush Bay 31 May (EH); Illawarra: 1 Killalea Lagoon 19 Jan; 2 Bellambi 31 May (CJC); 1 Nowra 4 Jun (DW).

Black-tailed Native-hen *Tribonyx ventralis*

3 Mungle Creek 31 Mar (DG); 100 Fivebough Swamp, Leeton 12 Apr (KH), represents peak count.

Brolga *Grus rubricundus*

3 including 1 immature Mundine HSD near Goondawindi 30 Mar (DG); Max 60 in Lower Clarence Valley between 27 Feb-16 Aug (EW,GC). 1 flying over S of Red Rock 3 Oct (GC); Pair bred raising 2 young near Euabalong West Feb-Mar (NS), first confirmed breeding success in Central-West in past 10 years. 3 Rockdale Swamp, Leeton 27 Jul; 2 near Jerilderie 26 Aug (KH); 4 on Morundah-Urana Rd 14 Oct (JB).

Australian Bustard *Ardeotis australis*

1-2 Sturt NP 10 Jan, 7 May and other times throughout year (MS,WLa,AKM).

Comb-crested Jacana *Irediparra gallinacea*

1 Minmi 7-17 Feb (HBOC); 1 Bushell's Lagoon 15 Mar (FOC); First report for some years in Windsor district.

Bush Stone-curlew *Burhinus magnirostris*

1 in a Grafton backyard 9 Feb; 1 perhaps the same bird in grounds of Grafton Base Hospital 12 Feb (GC); 2 Oaklands all year (DAC,TBO 656:92); 1 Glossodia 8 Oct (LSm).

Beach Stone-curlew *Esacus magnirostris*

Red Rock: 2 adults, 1 immature 11 Jan-24 Sep, 2 adults 22 Oct-17 Dec. Single eggs present on 8 and 17 Mar and 12 Nov, all subsequently disappeared perhaps due to high tides (GC).

Pied Oystercatcher *Haematopus longirostris*

Northern Rivers: 18 reports between Belongil Creek and Red Rock where nested successfully (DPa,GC); Long Reef 1 on 19 Feb (JC) and 1 on 5 May (BD); Comerong Is: Present all year (max. 18 on 9 Feb) including pairs nesting Sep and Nov (CJC); 5 Blackfellow Point, Tuross Heads 1 Mar; 2 Nelson Beach, Mimosas Rocks NP 27 Feb (CJC).

Sooty Oystercatcher *H. fuliginosus*

Red Rock: Present 30 Jun-12 Nov max 5 on 22 Oct (GC,DPa) 1 on rocks at Henry Head, Botany Bay NP 5 May (AKM), first record in recent years for this part of Botany Bay. Present Crookhaven Heads Jan-Oct (CJC) max 12 on 9 Feb.

- Banded Plover *Vanellus tricolor*
2 near Coutts Crossing 2 Oct (GC); 2 Fivebough Swamp, Leeton 4 May and 27 Sep (KH).
- Grey Plover *Pluvialis squatarola*
2 Red Rock 26 Nov and 17 Dec (GC); Newcastle: 4 Marks Point 20 Sep (HBOC). Sydney: 1 Dee Why Lagoon 19 Jan (FC). Illawarra: Up to 5 Windang 17-24 Sep (CJC); 1 Comerong Is 14 Jan and 15 Feb (DW).
- Pacific Golden Plover *P. fulva*
110 North Botany Bay 20 Dec (AKM); 184 Comerong Is 23 Mar (CJC); 1 Gol Gol Swamp Nov (JH, TBO 662:34).
- Red-kneed Dotterel *Erythrogonys cinctus*
10 Waterview Heights 31 May (GC); 2 Burrendong Dam 1-3 May (DSm); Max 35 McGrath's Hill 4 Jan-2 Aug (AEFR, TM); Present all year Fivebough Swamp, Leeton, max 176 on 31 Mar (KH); 5 Koon Bay 9 Mar; 6 Killalea Lagoon 20 Apr; 4 on small dam near Bellanglo SF 6 Jul; 1 Shellharbour Swamp 26 Oct (CJC).
- Hooded Dotterel *Charadrius rubricollis*
1 immature Coniston Beach 7 Aug (CJC), 2nd County of Camden record; 5 including 2 immatures Nelson Beach, Mimosa Rocks NP 27 Feb; Three pairs present on beaches in Moruya district during year (EHNS 1986).
- Mongolian Plover *Charadrius mongolus*
19 Boatharbour 8 Feb (SBr), max for year in that locality.
- Double-banded Dotterel *C. bicinctus*
2 N Botany Bay 12 Feb (GCI); Up to 3 Nericon Swamp, Griffith 31 Jul-6 Aug (JB); 108 Comerong Is 10 May (CJC), highest count for year. Arrival date: 1 Windang 5 Feb; 9 Comerong Is 9 Feb (CJC). Departure date: 1 Windang 23 Sep; 2 Comerong Is 12 Sep (CJC).
- Large Sand Plover *C. leschenaulti*
1 Boatharbour 30 May (CT); 1 N Botany Bay 3 Jun (AKM). Both unusual winter records possibly same bird.
- Red-capped Plover *C. ruficapillus*
2 pairs Homebush Bay 31 May-Dec one pair with eggs and one pair with young on 12 Oct (EH). Breeding records are unusual in the County of Cumberland. Recorded all months except Jul Fivebough Swamp, Leeton max 65 on 31 Mar (KH), 50 Windang 22 Mar; 153 Comerong Is 10 May (CJC), highest count for year.
- Black-winged Stilt *Himantopus himantopus*
Max 162 Homebush Bay 8 Feb (J&NR), late summer peak. 1 Comerong Is 3 Jan (DW); Fivebough Swamp, Leeton autumn peak of 250 on 4 May, spring peak of 398 on 9 Nov (KH).
- Red-necked Avocet *Recurvirostra novaehollandiae*
Newcastle: 860 Kooragang Is 9 Mar and 1600+ 9 Jun (HBOC); 83 Nericon Swamp, Griffith 14 Sep and 160 on 5 Oct (JB); Max 99 Fivebough Swamp, Leeton 4 May (KH) Illawarra: 1 Old Man Is 10 May; 2 Comerong Is 27 Jul (CJC).
- Eastern Curlew *Numenius madagascariensis*
186 Comerong Is 9 Feb (CJC), highest count for many years.

- Whimbrel *N. phaeopus*
31 Comerong Is 12 Oct (CJC), only report received for Illawarra region.
- Little Whimbrel *N. minutus*
2 on cotton dam near Marshalls Ponds 1 Apr (DG).
- Wood Sandpiper *Tringa glareola*
1 Morpeth STW Jan (HBOC); Fivebough Swamp, Leeton: 1-3, 1 Jan-4 May and 7 Sep-9 Nov; 4-6, 28 Dec (KH); 1 Corowa STW 4 Oct (JTh, TBO 659:123).
- Grey-tailed Tattler *T. brevipes*
Max for summer 105 Shell Point, Botany Bay 8 Feb (AKM).
- Common Sandpiper *T. hypoleucos*
1 Station Creek, Yuragir NP 18 Feb and 13 Sep (DG) Observed at Lake Ballyrogan 29-30 Mar (NM); 1 Jingellic 28 Mar (CJC).
- Greenshank *T. nebularia*
3 Clifton Bore 22 Sep (ARMcG); 5 Pitt Town Common 2 Mar (DSm); 1 Dee Why Lagoon 19 Jan (FC); Fivebough Swamp, Leeton: Present 5 Jan-4 May and 1-3 14 Sept-31 Dec (KH) autumn max 37 on 31 Mar; 42 Windang 5 Dec; 42 Comerong Is 13 Apr (CJC).
- Marsh Sandpiper *T. stagnatilis*
1 Ballina 9 Aug and 1 on 13 Aug (GH); 1 Waterview Heights 21 Feb (DG); 1 near Coutts Crossing 1 Dec (GC). Observed at Lake Ballyrogan 29-30 Mar (NM); 2 McGrath's Hill 4 Jan, 4 Jun and 2 Aug (AEFR); 8 Nericon Swamp, Griffith 13 Aug; 18 on 14 Sept; and 50 on 5 Oct (JB); Fivebough Swamp, Leeton 15-53 Jan-Feb; last autumn sighting 4 May; Arrived 17 Aug (KH). Up to 4 Windang 17 Nov-31 Dec (CJC).
- Terek Sandpiper *T. terek*
Max 10 Shell Point, Botany Bay 8 Jan (AKM); 1 Comerong Is 7 Nov (CJC).
- Japanese Snipe *Gallinago hardwickii*
Departure: 22 Deepwater Creek, East Hills 1 Mar (DSm); 1 Hunter Region, Botanic Gardens site near Raymond Terrace 17 May (HBOC); 1 Pyree 23 Mar (DW), first for season: 1 Fivebough Swamp, Leeton 2 Aug (KH); Coutts Crossing 18 Aug (GC).
- Black-tailed Godwit *Limosa limosa*
6 Dart Is, Yamba 28 Nov (DPa); 4 Crystal Waters, Yamba 22 Nov; 37 Dart Is, Yamba 29 Nov (GC); 5 Nericon Swamp, Griffith continuously Jul-Nov (JB,KH); Fivebough Swamp, Leeton 1 Oct, 1 on 24 Oct and 1 on 1 Nov (KH); 10 Comerong Is 13 Apr-7 Nov (CJC); 1 Gol Gol Swamp Nov (JH, TBO 662:34).
- Bar-tailed Godwit *L. lapponica*
Max 856 Botany Bay 8 Feb (AKM) highest count for year. 1 Nericon Swamp, Griffith 31 Jul-6 Aug (PT).
- Great Knot *Calidris tenuirostris*
4 Ballina 28 Jul; 1 Dart Is, Yamba 22 Nov (GC); Max 2 Botany Bay 21 Sep-13 Oct (AKM,BD); 1 Comerong Is 12 Oct (CJC).
- Sharp-tailed Sandpiper *C. acuminata*
Absent only in Jun-Jul Fivebough Swamp, Leeton max 1000 5 Jan; first spring arrival 17 Aug (KH); 169 Comerong Is 5 Jan (CJC), highest count for many years. 6000+ Gol Gol Swamp Nov (JH, TBO 662:34).

- Pectoral Sandpiper *C. melanotus*
1-3 Fivebough Swamp, Leeton 16 Mar-6 Apr (KH); 1 Windang 7 Nov (CJC); 1 Gol Gol Swamp Nov (JH, TBO 662:34).
- Red-necked Stint *C. ruficollis*
2 Lake Pinaroo, Sturt NP 10 May (WLa); 400 Comerong Is 5 Jan (CJC).
- Long-toed Stint *C. subminuta*
1 Fivebough Swamp, Leeton 26 Jan and 9 Feb (KH); 1 Shell Point, Botany Bay 1-2 Nov (PRR).
- Curlew Sandpiper *C. ferruginea*
Fivebough Swamp, Leeton, small numbers to 26 Apr max autumn count 12, 16 and 23 Apr; Last sighting 1 on 24 May; First spring arrival 7 Sep; max spring count 13 on 12 Oct (KH).
- Sanderling *C. alba*
1 Red Rock 27 May (GC); 1 Windang 20 Jan (JDi); 5 Windang 21 Sep (CJC); 1 Blackfellow Point, Tuross Head 28 Feb (CJC).
- Broad-billed Sandpiper *Limicola falcinellus*
1 Ballina 20 Oct (GH) Sydney: 1 Botany Bay 15 Dec (TLK) and 2 on 28 Dec (DSi).
- Ruff/Reeve *Philomachus pugnax*
1 Reeve Dee Why Lagoon 30 Jan (NM) (detailed description provided); 1 Ruff Fivebough Swamp, Leeton 7 and 28 Dec, 1 Ruff and 1 Reeve 13 Dec (KH).
- Australian Pratincole *Stiltia isabella*
1 on cotton dam near Marshalls Ponds 1 Apr (DG); Observed at Lake Ballyrogan 29-30 Mar (NM); 1 Fivebough Swamp, Leeton 26 Jan and 2 Feb (KH).
- Great Skua *Stercorarius skua*
1 Bass Point 22 Jun (CJC) represents only report received for 1986.
- South Polar Skua *S. maccormicki*
1 Ballina 2 Dec and 5 Dec (GH).
- Arctic Jaeger *S. parasiticus*
1 Pulbah Is, Lake Macquarie 26 Jan (AKM); 1 Botany Bay 17 Oct (TM), first for season. 1 juvenile landed on Port Kembla Beach 20 Nov (CJC).
- Pomarine Jaeger *S. pomarinus*
50-80 off Wollongong 26 Jan (AEFR).
- Long-tailed Jaeger *S. longicauda*
4 off Wollongong 26 Jan (AEFR), with closest to shore being c.11 km; also 13 on 15-16 Feb (MJC, TBO 651:26) and 1 on 25-26 Oct (DF, TBO 660:02).
- Pacific Gull *Larus pacificus*
2-3 immatures Windang 24 Jun-23 Aug; 1 immature Blackfellow Point, Tuross Head 28 Feb (CJC).
- Kelp Gull *L. dominicanus*
The numbers of this species around Sydney and Wollongong are continuing to increase. Sydney: 1 immature Long Reef 9 May and 15 Jun (FC); 2 adults and 1 sub-adult Botany 24 Mar (BD); Max 1 adult and 2 immatures Henry Head, Botany Bay NP 21 Sep-20 Dec (AKM) Windang: 2 on 29 Jan (GB); Large influx beginning early Jun max 35 on 10 Jul including 12 full adults (CJC). This is the highest number recorded in NSW. By 31 Aug numbers had declined to usual 5-7 birds.

- Whiskered Tern *Chlidonias hybrida*
3 Homebush Bay 5 Oct (EH) and 6 on 13 Dec (AKM), an unusual location. 20 Mullenderie, Moruya May (ENHS 1986).
- White-winged Tern *C. leucoptera*
1 Ballina 20 Oct (GH); 1 non-breeding plumage Lawrence 3 Mar and 5 on 7 Mar; 2 non-breeding plumage Brushgrove 3 Mar; 1 near Elizabeth Is, Grafton 24 Mar; 3+ including 2 in partial breeding plumage Susan Is, Grafton 13 Apr; 2+ including 1 in partial breeding plumage Clarence R, Grafton 27 Apr; 2 non-breeding plumage Strontian Park, Great Marlow 27 Apr; 5 non-breeding plumage Station Creek 17 Dec (GC); 1 Windang 1 Jan-16 Mar (CJC). More records than usual.
- Gull-billed Tern *Gelochelidon nilotica*
1 Bakers Lagoon 22 Aug (TLK); 1 Pitt Town Common 4 Oct (ARMcG). Consistant with Hawkesbury Marshes occurrence.
- Caspian Tern *Hydroprogne caspia*
72 Windang 28 Jun (CJC), an exceptional number for a NSW coastal locality.
- Common Tern *Sterna hirundo*
100 off Clark Is Sydney Harbour 2 Jan (AKM).
- Arctic Tern *S. paradisaea*
1 Mowarry Point, Eden 6 Jan (GH).
- White-fronted Tern *S. striata*
30+ Long Reef 29 Aug (EF); 1 Centennial Park 5 Apr (AKM); 3 Bass Point 20 Jun (CJC). Fewer reports are being received each year suggesting fewer numbers(?).
- Little Tern *S. albigrons*
4+ breeding plumage Jerusalem Creek, Bundjalung NP 22 Nov; 6 breeding plumage Station Creek 13 Sep; 11+ pairs bred Red Rock Oct-Jan ('87) producing 19 young (1 of which was found dead and 17 banded), max 250 breeding and non-breeding plumage 17 Dec was maximum count for year (GC); 307 Windang 6 Mar (CJC), highest count for many years.
- Black Noddy *Anous minutus*
1 freshly beachwashed Red Rock 22 Oct (BH).
- Grey Noddy *Procelsterna albivittata*
1 caught by cat Captain Cook's Landing Place 24 Feb (AM); 7 off Wollongong 15-16 Feb (MJC, TBO 651:26).
- Rose-crowned Fruit-dove *Ptilinopus regina*
4 Iluka NR 10 Dec (DPa).
- Superb Fruit-dove *P. superbus*
1 male Coolgardie Rd, Wardell 20 Feb (GH); Adult male flew into window Gordon 29 Jul (WBo); 1 male Yadboro Flat, Morton NP 25 Aug (MGo), well outside accepted range and first record for Morton NP.
- Wompoo Fruit-dove *P. magnificus*
4 Horton's Creek Nymboida 12 Jul (DPa) and 26 Jul (GC); 3 Yabbra SF near Urbenville 25 Oct; 3-4 The Haystack HSD Old Bonalbo 28 Dec (DG). All within accepted range.
- Topknot Pigeon *Lopholaimus antarcticus*
c.300 Dunoon 13 Jul (EW); 2 over coastal heath Minnie Water 10 May (DG); 24 flying over heath Red Rock 27 Sep (GC); 7 Horton's Creek Nymboida 26 Jul (DPa); 10

Shortland 3 Dec (HBOC); 200+ Booti Booti SRA Oct, bred 1 young fledged 1 Nov (DT). Sydney: 14 E Wahroongah 19 May (EF); reports of single birds from South Head 11 Dec and Neilsen Park 12 Dec (AKM) represent new locality records; 15-20 Lady Carrington Drive Royal NP 12 Sep (BHa) and 50+ various locations Royal NP 1 Nov (AKM). Illawarra: 25 Lake Heights 22 Sep (CJC); 40+ regularly feeding along Shoalhaven R Sep-Dec (DW); up to 17 Comerong Is Jul-Aug (CJC); 3 reports for Moruya district Oct-Dec (EHNS 1986). Apparently a good year for this species.

White-headed Pigeon *Columba leucomela*

Northern Rivers: Recorded at Cumbebin Swamp near Byron Bay, Grafton, South Graiton, Susan Island, Coutts Crossing, Maclean Bonville, Horton's Creek near Nymbodia, Broken Head NR, Lawrence and Roeswood Creek near Warrell Creek between 6 Mar-16 Nov most records during Jul, Max 40+ Rosewood Creek 21 Jul. Mid-North Coast: 4 Repton 21 Jul, 1 Macquarie NR, Port Macquarie 20 Jul (GC) 1 Smiths Lake 9 Jun (HBOC). Newcastle: 1 Bolwarra 31 Oct-4 Nov; 1 New Lambton Heights 25 Mar (HBOC) 1 Narrarra 18 Sep (LJH). Recorded at Booti Booti SRA only during Mar, Apr, Jun and Oct (DT) Sydney: Frequent surveys between 1 Jul and 30 Sep produced the following: feathers collected Upper Lane Cove River and Devlins Creek 12, 22 and 24 Jun; 4 Devlins Creek junction 25 Jun; 2 Cumberland SF 6 Jul (DLA) Numerous other Sydney reports including: 12 E Wahroongah 6 Jul; 1 Kuring-gai Chase NP 8 Jul (EF); Regular (mostly 1-3 max 18 on 9 Nov) along Devlins Creek, Epping 2 Jun-6 Dec (BD) Illawarra: Bass Point 2 on 18 May, 3 on 10 Aug (CJC) 5 Berry 17 Jul (DW); 1 reported from Moruya SF 23 Oct (EHNS 1986) indicates southern range limit. Most of these records are for the Privet and Camphor Laurel fruiting periods but where are the birds Nov-Apr? Becoming much more common. In future records will be summarised for each region.

Spotted Dove *Streptopelia chinensis*

Present Glenreagh 7 Feb (GC); 5+ Port Macquarie 10 Feb and 2+ on 11 Feb (GC).

Brown Cuckoo-dove *Macropygia amboinensis*

Sydney: 1 Fishponds Waterhole Hornsby 1 Jun; none at Epping during year (BD); 3 Grosvenor Track, Kuring-gai Chase NP 8 Jul; 1 Lovett Bay, Kuring-gai NP 17 Jul (EF). Illawarra: 2 regularly feeding on inkweed West Cambewarra Jan, Feb and Dec (DW). Recorded in forests at Moruya, Batemans Bay and Bermagui during the year (EHNS 1986).

Peaceful Dove *Geopelia placida*

Recorded at 16 localities in Eurobodalla Shire during the year (EHNS 1986).

Diamond Dove *G. cuneata*

1 Bushell's Lagoon 15 May (MTi), was a presumed escapee.

Bar-shouldered Dove *G. humeralis*

2 The Spit, Towra Point NR 3 Jun (AKM); 4 Comerong Is throughout year (DW). Both sites are regular locations south of the known range of this species.

Common Bronzewing *Phaps chalcoptera*

2 seen separately N of Jerusalem Creek 22 Nov, one carrying twigs; 1 Coutts Crossing throughout the year; 1 near Lanitza 1 Jan; 1 E of Ramornie 2 Jan; 1 Braunstone 5 Feb; 1 near Lower Kangaroo Creek 22 Sep (GC). Coastal records for Northern Rivers Region are few.

Brush Bronzewing *P. elegans*

1 Wollar 3 Aug (NM), was well west of known range. 1 Shortland PS 23 Sep (HBOC); Recorded in Booti Booti SRA in Mar and Jul only (DT). Sydney: 1 Red Hill 21 Jun (FC); 3 Beacon Hill 25 Mar (LJH); Male Marley Head Royal NP 2 Feb (JBI). Few recent records for this region.

Emerald Dove *Chalcophaps indica*

1 Black Hill early Jan (HBOC); Recorded at Booti Booti SRA in Aug and Nov only (DT), however observer believes may be resident here in small numbers. 1 Bayview St, Mt Kuring-gai 18 May (PR); 2 Coolendel, Nowra 9 Nov (DW).

Crested Pigeon *Ocyphaps lophotes*

Numerous coastal sightings reported from Northern Rivers region (GC), indicating the species is well established there. 1 Narraweena 19 Aug (LJH); 1 Dee Why Lagoon 1 Mar (FC); small flock Middle Head, Mosman 12 Feb (GGa); 4 Werri Beach 15 Apr; 1 Worrigeer 1 Jul (DW); 2 Greenwell Point 10 Sep (DW). No further general distributional reports for coastal areas proposed unless for new locations.

Wonga Pigeon *Leucosarcia melanoleuca*

36 Iluka NR 10 Dec (DPa); 8 together Mimosa Rocks NP 26 Feb (CJC).

Glossy Black-Cockatoo *Calyptorhynchus lathami*

4 Beebo SF 9 May; 2+ West Boomi NR Boomi 2 May (DA); 2 Moonee 22 Feb; 1 near Jaloom 13 Jul; pair Nymboida SF 17 Jul; Present Coutts Crossing Jun-Sep max 8 on 2 Jul (GC); 1 Boundary Creek SF 8 Oct (DPa); 3 Booti Booti SRA 4 Dec (DT); 6 Towlers Bay, Kuring-gai Chase NP 8 Sep (EF); 4 Mt Misery 14 and 21 Aug (KH); 5 Bamarang 23 Jan (DW). Eight records from Eurobodalla Shire during year including 8-10 drinking at roadside pool near Moruya Airport 2 Aug (IT, ENHS 1986) less frequent than in previous years. Records from the Northwest Slopes (near Boomi) are very unusual.

Yellow-tailed Black-Cockatoo *C. funereus*

42 Illaroo Yuraygir NP 22 Jun (GC); 100 Red Rock 21 Sep (DPa) Sydney: 13 E Wahroonga 17-20 Mar; 2+ Akuna Bay Kuring-gai Chase NP 1 and 8 Sep (EF); 20 over Audley 6 Jun (BD); 1 St. Ives 16 Aug (DLA); Many records with numbers to 20+ Elouera Bushland May-Sep (AEFR), observer considers more common than usual during this period. Recorded each month in Eurobodalla Shire at several locations max 25 birds (ENHS 1986).

Gang-gang Cockatoo *Callocephalon fimbriatum*

1-4 Epping (though no definite nesting recorded) throughout year (BD); Recorded May, Jun, Sep and Dec Upper Lane Cove River (DLA) with max 6 Browns Waterhole and 2 Devlins Creek junction. Records tend to support notion that 2 separate populations occur in area.

Galah *Cacatua roseicapilla*

Reports from coastal and hinterland districts from Kyogle to Sydney throughout year continue to indicate that this species is now well established east of the Great Divide. No further general distributional reports for coastal areas proposed.

Long-billed Corella *C. tenuirostris*

1 Mangrove Mountain 1 Jun (CA, TBO 655:75); 50 Cobbity 29 Jun (ARMcG); 30-40+ Eastwood 22 Jan (MB); based on these numbers it would seem the presumed feral

populations in Sydney Region is continuing to increase. 1 with Little Corellas Werri Beach 4 Sep (DW).

Little Corella *C. sanguinea*

Namoi River population appears to be increasing as sightings (of flocks to 35 birds) were more regular at Baan Baa throughout year (DR); 1 E Wahroonga 17-20 Mar, and several 27 Jun and 4 on 10 Sep (EF); 2 Buttaba 22 Apr (HBOC); 5 Bundeena 27 Dec (GC); c.20 Terramungermine Reserve Dubbo 31 Mar (AKM). Illawarra: 3 Berry 3 Jan and 2 on 20 Feb; 4 Werri Beach 3 Sep; 5 Nowra 22 Nov and 3, 13-15 Dec (DW); 26 Almond Rd, Leeton 1 Jan and 500 on 2 Mar, 5 Fivebough Swamp, Leeton 28 Dec (KH).

Pink Cockatoo *C. leadbeateri*

Substantial numbers (one flock numbering 300+) during winter months between Euabalong West and Trida (NS).

Sulphur-crested Cockatoo *C. galerita*

6 Lower Southgate 17 Oct (GC) rare this locality. 60+ Parramatta Park 26 Apr (BD).

Rainbow Lorikeet *Trichoglossus haemotodus*

Small flock Boobora, Goondiwindi 30 Mar (DG), small flock along Dumaresq River NW of Texas 28 Mar (BH), both records on western edge of range. 1 Western Plains Zoo 3 Jun possible escapee; 6+ Buttaba 22 Apr (HBOC).

Scaly-breasted Lorikeet *T. chlorolepidotus*

11 Primbee 1 Jun and 20 on 3 Nov (CJC).

Musk Lorikeet *Glossopsitta concinna*

2 Coutts Crossing 5 and 18 Jul (GC), rare this locality. 4 Burrendong Arboretum 1-3 May (DSm); 2 Mulbring 11 Jan (HBOC); Up to 12 present daily E Wahroonga between 19 May and 23 Jun; 2 along Elvina Bay Trail, Kuring-gai Chase NP 15 Jul (EF); 2 Cumberland SF 13 Dec-3 Jan 1987 (BMa) Recorded throughout year in Eurobodalla Shire max 50 at Burrewarra Point in Dec (ENHS 1986).

Little Lorikeet *G. pusilla*

c.10 over Epping 27 Feb (BD); 4 E Wahroonga 29 May (EF); Several calling 1 seen Georges Hall 7 Dec (DLA).

King Parrot *Aprosmictus scapularis*

100+ Braunstone 3 Aug (GC); 50 feeding on privet Kulnura 16 Jul (MTy).

Superb Parrot *Polytelis swainsonii*

19 Fivebough Swamp, Leeton 8 Jun; 9 Leeton 4 May (KH); 1 Murrumbateman 20 Oct (RD, TBO 659:123); 5 c.48 km E of Ardlethan 24 Aug (LJH).

Swamp Parrot *Pezoporus wallicus*

1 flushed from wet heath near Diggers Camp, Yuragir NP 6 Jul (GC).

Swift Parrot *Lathamus discolor*

3 West Head Rd, Kuring-gai Chase NP 15 Jul (EF); small flocks at Ingleside 1 Jul-4 Aug (JHn); 2 Killalea SRA 20 Jun (CJC).

Crimson Rosella *Platycercus elegans*

12 in coastal heath Minnie Waters 10 May; 2 Pillar Valley 17 May (DG) and 1 on 21 Jun; 1 Water Reserve, Grafton 8 Jul; 3 Coutts Crossing 23 Jul and 10+ on 26 Jul; 2 Braunstone 3 Aug (GC). These observations reflect an apparent annual winter migration to the lower Clarence River valley, observers are asked to see if winter movements to coastal heaths represent a regular movement of this species.

- Eastern Rosella *P. eximus*
1 Erigolia district 16 Aug (JPi, TBO 657:100) western edge of range. Numbers appear to be increasing in Beacon Hill area (LJH).
- Pale-headed Rosella *P. adscitus*
1-2 in three separate locations near Unumgar 13 Jun (GC).
- Red-rumped Parrot *Psephotus haemotonotus*
c.12 Caringbah 2 Jun (BHa), observer's first record this locality.
- Bourke's Parrot *Neophema bourkii*
Small numbers seen between Cobar and Bourke 21 Sep (ARMcG).
- Blue-winged Parrot *N. chrysotoma*
Adult male in saltmarsh Towra Point NR 8 Feb (AKM), suitable habitat but presumed to be an aviary escapee/release.
- Turquoise Parrot *N. pulchella*
1 22 km N Barraba 15 Jan; flocks of 10-12 Baan Baa district mid year (DR); Pair Coolbaggie NR 28 Mar (J&NR); 1 Hillston district 12 Aug (JPi, TBO 657:100) Both areas are new locations. 1 Fivebough Swamp, Leeton 6 Apr (KH); 2 Yerriyong 19 Jan (DW).
- Oriental Cuckoo *Cuculus saturatus*
1 Newnes 21 Dec (CP); 6 Tocal 7 Oct, 1 Mulbring 7 Oct, 6 Rankin Park 2 Dec (HBOC). 1 Wisemans Ferry 18 Jan (JDi) Sixteen birds in one year is an above average number for NSW and the Hunter Valley appears to be a key area for the species in NSW.
- Pallid Cuckoo *C. pallidus*
Present Coutts Crossing 6 Oct-3 Dec (GC); 1 juvenile being fed by Yellow-tufted Honeyeaters Thirlmere Lakes NP 1 Feb (CJC). Arrival dates: Winmallee 3 Sep (KS), Moruya 21 Sep (ENHS 1986).
- Brush Cuckoo *C. variolosus*
Present Maulbrook Road Moruya 14 Jan (ENHS 1986) Arrival dates: Batemans Bay 1 Sep (ENHS 1986); Munghorn Gap 4 Oct (AKM).
- Fantailed Cuckoo *C. pyrrhophanus*
Departed Moruya district 5 Jan and arrived Batemans Bay 20 Jul (ENHS 1986)
- Black-eared Cuckoo *C. basalix*
1 Salt Caves, Pilliga NR 3 Aug (TQ).
- Little Bronze-cuckoo *C. malayanus*
Arrival date Coutts Crossing 6 Oct, 1 Chaffin Swamp Tucabia 9 Dec (GC). Pair Nambucca Heads regularly between 1 and 25 Jan (DS).
- Koel *Eudynamys scolopacea*
Departure: Beacon Hill 3 Jan (LJH); Mt. Riverview 6 Jan (LSm); Nowra 11 Feb (DW); Coramba NR 9 Mar (GC); Booti Booti SRA 14 Mar (DT). Arrival: Glenbrook 7 Aug (MB) an exceptionally early date; Call only Ingleburn 5 Sep (LJH); Wardell 20 Sep (GH); Coutts Crossing 21 Sep; (GC); Booti Booti SRA 14 Oct (DT); Mt. Riverview 13 Oct (LSm); Nowra 15 Oct (DW).
- Channel-billed Cuckoo *Scythrops novaehollandiae*
Recorded Coutts Crossing, Lawrence, Grafton area during Jan and frequently between 25 Sep-8 Dec (GC); 2 Westleigh 30 Nov where also calling and seen throughout Dec (AEFR). Departure: Nowra 16 Feb (DW); Booti Booti SRA 22 Feb (DT) this was a juvenile, all adults had left earlier. Arrival: Nowra 1 Sep (DW); Glenbrook 18 Sep (MB);

Mt. Riverview 23 Sep (LSm). Sydney: 1 S. Turramurra 2 Dec (DLA); 1 McCarr's Creek Reserve, Church Point 17 Dec (FC).

Pheasant Coucal *Centropus phasianinus*

1 Garigal Picnic Area, Kuring-gai Chase NP 15 Jul (EF); 1 Wollstonecraft 6 Jan (TF); 1 heard calling Beacon Hill 26 Nov (LJH) 1 heard calling Barren Grounds NR 6-8 and 21 Jan (RJ) first NR record.

Powerful Owl *Ninox strenua*

Recorded at Byrill Creek, Mt Warning NP 22 Jan and Nullum SF, Murwillumbah 20 Jul (GH); Feather found near the Craggs, Gibraltar Range NP 20 Jan; 1 Dundarra Gully Washpool NP 26 Aug (GC); 1 roadkilled Fern Bay (near Stockton) 5 Jul (HBOC). Sydney: Pair Dee Why 16 Jul (RJA); Heard at close range Lady Carrington Dr, Royal NP 3 Jul (AEFR), and 3 on 5 Dec (CJC). Illawarra: 1 Monto Heights 2 Feb; 1 Mt Murray 16 Mar; 1 Appin 4 Jun; 1 Bass Point 13 Sep (CJC).

Barking Owl *N. connivens*

1 Killalea SRA 18 May, 1 Canyonleigh 4 Oct (CJC).

Barn Owl *Tyto alba*

15 Cornwallis/Pitt Town area during spotlight survey on 3 Aug (DSm); 1 Berry 17 Jul (CJC).

Masked Owl *T. novaehollandiae*

1 road kill Barlings Swamp, Moruya 11 Aug (ENHS 1986).

Eastern Grass Owl *T. longimembris*

1 Ballina 1 May; 2 Wardell 18 Jul-21 Aug; 5 dead Pacific H'way Uralba 12-20 Sep (GH); 1 roadkilled Pacific H'way S of Chinderah 21 Sep (GC). Above average number of reports for NSW and all near the stronghold of the species in NSW near Broadwater NP.

Sooty Owl *T. tenebricosa*

Recorded at Minyon Falls, Nightcap NP 8 Feb; Coopers Creek 6 Apr; and Nullum SF Murwillumbah 19 Jul (GH). Reported from Grose River Feb (GLK); 2 Lady Carrington Dr, Royal NP 28 Jun-5 Jul (AEFR).

Tawny Frogmouth *Podargus strigoides*

Brown morphs reports 1 Gibraltar Range NP 10 Jan (GC); 1 roadkilled Karuah 10 Nov (GC).

Owlet-nightjar *Aegotheles cristata*

2 Gibraltar Range NP 10 Jan; 1 Washpool NP 26 Aug; Heard Water Reserve Grafton 1 Mar, 9 Apr, and 19 May; Present Coutts Crossing between 6 Jan and 24 May and also on 25 Sep (GC).

White-throated Nightjar *Caprimulgus mystacalis*

1 Coolgardie Rd, Wardell 11 Aug (GH); 1 roadkilled Middle Creek Gibraltar Range NP 18 Feb (GC); 1 Coutts Crossing 12 Feb (DG); 2 Pappinbarra FSC 2 Feb (DG); Moruya departed 18 Apr and arrived 23 Nov (ENHS 1986).

Spotted Nightjar *C. guttatus*

Observed at Loughnan NR 29-30 Mar (NM).

Spine-tailed Swift *Hirundapus caudacutus*

Departure Booti Booti SRA 15 Mar (DT); Coutts Crossing 25 Mar (GC); and Thornleigh 2 Apr (BH). Arrival: Wallinghat SF 19 Oct (DT); Thornleigh 11 Nov (BH); Coutts Crossing 12 Nov (GC).

Fork-tailed Swift *Apus pacificus*

1 Moree 19 Feb (DG); 200+ Warialda 28 Mar; c.50 Yetman 31 Mar (DG); 20 New Lambton Heights 5 Apr (HBOC). Present Bouddi NP 5 Apr (SF); c.20 Balranald 31 Mar (B&JP,TBO 653:51); 1 Culburra 12 Dec (CJC); 1 Corowa STW 23 Mar (MO'S,TBO 653:51).

Azure Kingfisher *Alcyon azurea*

1 Dandahra Creek Gibraltar Range NP 4 Jan (GC); Recorded breeding in Booti Booti SRA 1-2 Mar (FOC), first breeding record for Park.

Forest Kingfisher *Halcyon macleayii*

1 3 km S Bingara 15 Jan and 1 Harparary 3-7 Feb (DR), both unusual sightings. Port Macquarie 5 on 20 Jul, 2 on 20 Dec and 1 on 23 Dec (GC).

Sacred Kingfisher *H. sancta*

Only Northern River region autumn reports: 1 Red Rock 13 Mar; 2 near Kungala 17 Mar (GC). Departure: Booti Booti SRA 13 Mar (DT). Arrival: Coutts Crossing 20 Sep (GC); Booti Booti SRA 25 Sep (DT); Westleigh 4 Oct (AEFR) and Leeton 5 Oct (KH).

Rainbow Bee-eater *Merops ornatus*

Winter Records 5 on powerlines at Grady's Creek 13 June; Belongil Creek, Byron Bay 3 on 27 Jul and 1 on 28 Jul; 2+ Cumbebin Swamp, Byron Bay 9 Aug; 1 Lennox Head 10 Aug (GC). (Note: it is generally accepted that birds winter from Iluka northwards). Departure: Nowra 24 Jan (DW); Alamy Creek 3 Mar (GC). Arrival: Susan Is, Grafton 23 Aug (GC); 6 Maitland 15 Sep (HBOC); Leeton 27 Sep (KH); Nowra 16 Oct (DW).

Dollarbird *Eurostomus orientalis*

Departure: Moruya 5 Feb (ENHS 1986); Nowra 28 Feb (DW); Booti Booti SRA 9 Mar (DT); Grafton 14 Mar an immature bird (GC). Arrival: Wardell 12 Sep (GH) Booti Booti SRA 23 Sep (DT); E Wahroonga 6 Oct (EF); Nowra 6 Oct (DW); and Batemans Bay 1 Oct (ENHS 1986).

Noisy Pitta *Pitta versicolor*

1 in rainforest patch adjacent Tweed Heads Golf Course Jul (PMi,TBO 659:124). Present Iluka NR 17 Apr and 16 Aug (GC); 1 in rainforest Lisarow 26 Jul; 2 in rainforest Sunnybank HSD Kangy Angy 21 Jul (RP). These are the first records for the Central Coast. 1 Royal NP 25 Jul (CJC).

Welcome Swallow *Hirundo neoxena*

1000+ Pyree 23 Mar (CJC).

White-backed Swallow *Cheramoeca leucosternum*

Northern Rivers: Present 16 Feb to 6 Dec max 18+ on 24 Feb (GC).

White-bellied Cuckoo-shrike *Coracina robusta*

Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record.

Cicadabird *C. tenuirostris*

1 male Blue Nobby HSD North Star 31 Mar (DG), west of known range. Arrival: Lawrence 18 Oct (GC); Moruya 20 Oct (ENHS 1986); Nowra 10 Nov (DW). Departure: Moruya 19 Feb (ENHS 1986); Coutts Crossing 18 Mar (GC); Nowra 23 Mar (DW).

Barred Cuckoo-shrike *C. lineata*

2 adults and a juvenile Repton 17 Jan (GH); Adult and immature Nambucca Heads 1 Feb and 6 Mar (DS); 1 Stroud 15 Mar (JGa,TBO 653:50), this is an exceptional southern record.

- Ground Cuckoo-shrike *C. maxima*
2 Dumaresq River 28 Mar (BH); 2 Fivebough Swamp, Leeton 29 Jun (KH); 1 Corowa 22 Apr (AF, TBO 655:75).
- White-winged Triller *Lalage sueurii*
1 N of Fineflower 11 Oct; 1 Cowans Pond 11 Oct; 2 Coutts Crossing 20 Oct and single birds 20 Nov, 13 and 15 Dec; 1 Chaffin Swamp, Tucabia 9 Dec (GC). There are a few North Coast records. 1 male in winter plumage Cobbity 29 Jun (ARMcG); 2 Bamarang 11 Dec (DW). Arrival: Moruya 22 Sep (ENHS 1986); 1 Minmi 27 Sep (HBOC); Leeton 5 Oct (KH).
- Varied Triller *L. leucomela*
1 Angourie Point 29 Jun; 1 Glenugie Peak 12 Jul; 1 Fineflower 11 Oct (GC).
- Red-whiskered Bulbul *Pycnonotus jocosus*
3 Broadmeadow Sep (HBOC); 1 Macquarie Pass NP 29 Jan (GB). New localities.
- Blackbird *Turdus merula*
1 male continued to reside at Georges Hall throughout year (DLA). Records through year at Bermagui, Moruya, Batemans Bay and Burrewarra Point (ENHS 1986), give an indication of species' distribution on South Coast.
- Rose Robin *Petroica rosea*
1 male Stroud 7 May (JGa, TBO 655:75); 1 Red Hill 22 Aug (FC); 1 Westleigh 15 Jun (AEFR). Arrival: Nowra 21 Mar (DW). Epping 19 Apr (BD); Coutts Crossing 20 Apr (GC). Departure: Nowra 31 Jul (DW).
- Flame Robin *P. phoenicea*
12 males Tullys Hill, Leeton, 22 Jun (KH); 1 Minnamurra 14 Jun (CJC), unusual east of Great Divide escarpment in the Illawarra region.
- Scarlet Robin *P. multicolor*
1 adult male Water Reserve Grafton 19 May and 4 Jun (GC); 1 male Herveys Range during winter months (NS), first record for almost 10 years. 1 Kariong 3 Mar (DLA) 2 Shortland 10 Jun; 6 Fisheries Creek Hexham 5 Jul (HBOC); 1 Red Hill 13 Jul (FC); 1 male Pennant Hills Park 31 May (BD), was observer's only record for locality in past 6 years. Arrival: Yerrilyong 15 Apr and departure Nowra 31 Jul (DW).
- Red-capped Robin *P. goodenovii*
1 Woodview 27 Jul (GH); 2 Londonderry Feb to Jun (PA).
- Pink Robin *P. rodinogaster*
Seen daily Thredbo between 11-25 Jan with nest being built, two eggs noted on 25 Jan (LSm).
- Hooded Robin *Melanodryas cucullata*
2 Minmi 13 Dec (HBOC).
- Olive Whistler *Pachycephala olivacea*
1 male Mt Cambewarra 25 May (DW); 1 Macquarie Pass 9 Jun; 1 Barren Grounds 11 Sep (CJC); Common Mt. Dromedary 16 Jan; 1 Moruya 25 Apr (ENHS 1986).
- Red-lored Whistler *P. rufogularis*
1 Round Hill NR 28 Aug, pair at nest with 2 eggs 1 Sep (GH). There have been few breeding records in recent years for NSW.

- Rufous Whistler *P. rufiventris*
 Arrival: Mt. Riverview 19 Sep (LSm); Pennant Hills Park 11 Oct (BD), where considered to be an unusually late arrival for this locality. Usually first arrivals have appeared from mid-Sep in prior years. Three separate visits made to the park between mid-Sep and 11 Oct failed to record the species. Departure: Mt. Riverview 21 Mar (LSm); Moruya 26 Mar (ENHS 1986).
- Crested Bellbird *Oreoica gutturalis*
 1 adult male Wollar 3 Aug (NM), constitutes an eastern range extension for the species.
- Black-faced Monarch *Monarcha melanopsis*
 Arrival: Wardell 12 Sep (GH); Red Rock 27 Sep (GC); Westleigh and Thornleigh 27 Sep (AEFR, BH); Moruya 9 Oct (ENHS 1986); Nowra 31 Oct (DW). Departure: Nowra 2 Mar (DW); Narrabeen Lagoon 3 Apr (NM).
- Spectacled Monarch *M. trivirgatus*
 1 Cumberland SF 24 Oct (NM). Present Bass Point 13 Oct-Nov (CJC). Sydney records appearing more regular. Arrival: Red Rock 27 Sep (GC).
- White-eared Monarch *M. leucotis*
 Recorded at Mebbin SF 22-24 Jan (GH).
- Leaden Flycatcher *Myiagra rubecula*
 Arrival: Gibraltar Range NP 6 Sep (GC); Thornleigh 26 Sep (BH); Batemans Bay 2 Oct (ENHS 1986); Nowra 31 Oct (DW). Departure: Moruya 6 Mar (ENHS 1986); Nowra 13 Mar (DW).
- Satin Flycatcher *M. cyanoleuca*
 1 female Whian Whian SF 13 Apr (GH).
- Rufous Fantail *Rhipidura rufifrons*
 1 Coombadjha Creek, Washpool NP 29 Mar; 1 in dune scrub Red Rock 20 Mar (GC). Arrival: Red Rock 27 Sep (GC); Royal NP 4 Oct (ARMcG); Nowra 28 Oct (DW). Departure date: Narrabeen Lagoon 3 Apr (NM); Nowra 1 May (DW).
- Spotted Quail-thrush *Cinclosoma punctatum*
 Recorded at North Ewingar Rd, Tabulam 30 Mar (GH); 1 Yerrinyong 15 Apr; 3 Culburra 17 Apr (DW).
- Grey-crowned Babbler *Pomatostomus temporalis*
 Flock Warkworth Rd, Bulga 19 Nov (AEFR) were at eastern edge of known range.
- Golden-headed Cisticola *Cisticola exilis*
 c.6 around cotton dam near Marshalls Ponds, Moree 28 Mar and 1 Apr (DG); Recorded breeding in Booti Booti SRA 1-2 Mar (FOC), species first breeding record for Park.
- Clamorous Reedwarbler *Acrocephalus stentoreus*
 2+ Port Macquarie STW 19 Jul (GC). Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record. Present Fivebough Swamp, Leeton 1 Jun, where singing vigorously 20 Jul (KH). Departure: Lawrence 3 Mar (GC). Arrival: Ballina 21 Sep (GC).
- Tawny Grassbird *Megalurus timoriensis*
 1-2 Killalea SRA 3 May-31 Dec (CJC).
- Rufous Songlark *Cinclorhamphus mathewsi*
 1 Bundary, Moruya late Dec (ENHS 1986).

- Brown Songlark *Cinclorhampus cruralis*
Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record. 1 singing Fivebough Swamp, Leeton 24 May (KH).
- Southern Emu-wren *Stipturus malachurus*
Observed near Anvil Rock, Gibraltar Range NP 17 and 24 Jan and 29 Aug; near the Craggs 6, 13 and 20 Jan and near Dandahra Creek 31 Mar (GC); 3 Kangaroo Valley 2 Mar; 3 Jervis Bay 14 Feb; 2 Governor's Head, Jervis Bay 14 Jun; 3 Beecroft Peninsula 17 Jun and 2 on 16 Dec (DW). These Jervis Bay records indicate how well established this species is in the Bwherrere and Beecroft Peninsulas.
- Striated Grasswren *Amytornis striatus*
1 Loughnan NR 29-30 Mar (NM), no details provided. Further confirmation of the species presence in this location is requested as this is the first report of this species south of the Lachlan River.
- Eastern Bristlebird *Dasyornis brachypterus*
1 Governor's Head, Jervis Bay 14 Feb, 14 Mar and 14 Jun (DW).
- Yellow-throated Scrub-wren *Sericornis lathamii*
Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record.
- Chestnut-tailed Hylacola *Hylacola pyrrhopygia*
1 McClymonts Swamp Gibraltar Range NP 25 Jan (GC); 6 Garingal Picnic Area, Kuring-gai Chase NP and 1 Soldiers Point Track, Kuring-gai Chase NP 15 Jul (EF).
- Pilotbird *Pycnoptilus floccosus*
3 Tianjara 4 Feb (DW); 1 between White Horse Hut and Horse Camp Hut Kosciusko NP 4 Jan (DLA) est. altitude 1550 m. Observer's investigations suggest is an exceptionally high altitude for this species. Most known occurrences are below 500m.
- Weebill *Smicornis brevirostris*
3 Grafton 19 May and also present on 4 Jun, 8 Jul and 23 Nov; 1 Couatts Crossing 3, 7, 11 and 14 Jul, 25 Sep and 20 Oct (GC). Unusual in the Clarence Valley.
- Brown Warbler *Gerygone mouki*
Max 4 Camp Cove, South Head 25 Apr-24 Sep (AKM), winter visitor at this location.
- Western Warbler *G. fusca*
1 Seaham NR 28 Apr (EF).
- White-throated Warbler *G. olivacea*
At Couatts Crossing throughout year near Waterview Heights 31 May (GC); 1 Newcastle City 8 Nov (HBOC). Arrival: Epping 17 Sep (BD); Nowra 21 Sep (DW); Murrurundi 26 Sep (LJH); Moruya 1 Oct (ENHS 1986). Departure: Moruya 5 Mar (ENHS 1986); Seaham NR 28 Apr (EF), when good numbers present; Nowra 3 Feb (DW).
- Buff-tailed Thornbill *Acanthiza reguloides*
c.7 in Westleigh garden 28 Mar-1 Apr (AEFR).
- Banded Whiteface *Aphelocephala nigricincta*
2 c.5 km S Sturt NP 25 Sep (PS,FOC 97,PAB), 4th NSW record.
- Brown Treecreeper *Climacteris picumnus*
1 Couatts Crossing 13 Dec (GC), observer's only record for year at this location.
- Red-browed Treecreeper *C. erythroptera*
4 Tinda Creek, Bulga 28 Jun (AEFR). Resident Moruya SF (ENHS 1986).

- Spiny-cheeked Honeyeater *Acanthagenys rufogularis*
1 in garden at Primbee 3 Oct (RI).
- Striped Honeyeater *Plectorhyncha lanceolata*
1 Stroutian Park, Great Marlow 27 Apr; 1 near Coutts Crossing 15 Dec (GC); Both reports indicate new locations for this species by observer. Recorded in Booti Booti SRA 1-2 Mar (FOC) first Park record, irregular sightings thereafter (DT).
- Blue-faced Honeyeater *Entomyzon cyanotis*
Present in low numbers Nocholeche NP at every visit including most recently 21-28 May (WLa). NSWBA records indicates this area is at western limit. 1 Tinda Creek Bulga 28 Jun; 4 Putty 28 Jun (AEFR); 1 Wamberal 1 Nov (MCa).
- Regent Honeyeater *Xanthomyza phrygia*
2 presumed pair Western Plains Zoo 15 Oct (BD), one carrying apparent nesting material, not listed by Morris (1984) for Dubbo District. Reported from Capertee-Glen Davis 28 Sep (FOC); 10+ Thorley St Windsor 18 Jul; 1 Glossodia 8 Oct (LSm); 1 Coowong HSD, Canyonleigh 5 Oct (CJC); 1 Burrewarra Point 25 Jun (ENHS 1986).
- White-eared Honeyeater *Lichenostomus leucotis*
2 Western Plains Zoo 3 Jun (DSm). Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record.
- Mangrove Honeyeater *L. fasciogularis*
Max 5 Clarence Estuary 22 Nov and 29 Nov Dart Is also 2 Rabbit Is 22 Nov (GC).
- Yellow-faced Honeyeater *L. chrysops*
60 Burrendong Arboretum 1-3 May (DSm). From 14 Apr hundreds flying over E Wahroonga (from SW-NNE) daily until mid-Jun (EF); 2 Beacon Hill 8 Aug (LJH) observer's first record for locality. South Head: arrived on 2 Apr and departed on 20 Sep (AKM).
- Fuscous Honeyeater *L. fuscus*
2-3 near North Mackerel Beach, Kuring-gai Chase NP 15 Jul (EF); 1 Red Hill 13 Jul (FC). Nowra arrival 23 May and departure 11 Sep (DW).
- White-plumed Honeyeater *L. penicillatus*
Nowra arrival 23 May and departure 11 Aug (DW).
- White-naped Honeyeater *Melithreptus lunatus*
Present Coutts Crossing 1 and 14 Aug (GC), observer reports species rare here.
- White-throated Honeyeater *M. albogularis*
Present Moonee 15-22 Feb; Red Rock 13 Mar and 27 Sep; Halfway Creek 17 Mar and Fiddlers Creek, Braunstone 30 Jun (GC).
- Black-chinned Honeyeater *M. gularis*
Present Water Reserve Grafton throughout year; 2+ Waterview Heights 31 May; 3 Rushforth 22 Feb; Present Glenugie SF 12 Jul; 1 Coutts Crossing 18 Mar (GC); 2 Widden Valley 7 Jun (HBOC); Feeding young out of nest Glossodia 8 Oct (LSm).
- Brown-headed Honeyeater *M. brevirostris*
6 Western Plains Zoo, Dubbo 3 Jun (DSm); Recorded at Back Yamma SF 25-26 Apr (GT), observer's first record for SF.
- Brown Honeyeater *Lichmera indistincta*
1 Teralba 22 Nov; 2 Shortland 8 Dec (HBOC).

- Painted Honeyeater *Grantiella picta*
1 Mungle Creek 31 Mar; several birds seen regularly Terlings HSD, Moree 28 Mar-1 Apr (DG).
- Crescent Honeyeater *Phylidonyris pyrrhoptera*
Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record well north of accepted range.
- White-cheeked Honeyeater *P. nigra*
Small numbers noted at Earlwood Oct-Nov (NR), where considered unusual by observer.
- Tawny-crowned Honeyeater *P. melanops*
2 Red Rock 27 Sep (DPa).
- Black Honeyeater *Certhionyx niger*
1 male Harparary HSD, Baan Baa 18 Jan (DR) observer's first record this locality.
- Scarlet Honeyeater *Myzomela sanguinolenta*
More records than usual in the Sydney-Wollongong area including: 5+ Lovett Bay, Kuring-gai Chase NP 17 Jul (EF); present Cobbity, Bents Basin, Bringelly and Wallacia 13 Dec (AKM); several Lady Carrington Drive 6 Jun (BD); 1 male Barren Grounds NR 18 Dec (RJ) second NR record. 6 Bass Point 23 May-21 Jun; 25+ Comerong Is 8 Jun-12 Sep; 15 Killalea SRA 14 Jun-10 Sep (CJC). Recorded at 6 locations in Eurobodalla Shire Jun-Nov (ENHS 1986). A small flock near Boydtown 9-16 Dec (BF), represents the only record for the Eden/Nadgee area since 1972.
- Olive-backed Sunbird *Nectarinia jugularis*
The female at Hawkes Nest (referred to in 1985 Bird Report) built nest laid and incubated eggs (without success) Jan (WB), revisited nest early Nov not seen since (HBOC).
- Silveryeye *Zosterops lateralis*
2 banded Umberumberka Reserve 18 May (NSh), unusual record for inland NSW.
- White-fronted Chat *Epthianura albifrons*
Max 15 Homebush Bay 12 Jan-7 Feb (TLK, JR); 15 Fivebough Swamp, Leeton 16 Mar (KH), peak number for 1986 at this location.
- Mistletoebird *Dicaeum hirundinaceum*
Recorded in Booti Booti SRA 1-2 Mar (FOC), first Park record.
- Spotted Pardalote *Pardalotus punctatus*
1 Six Mile Creek near Wentworth 21 Apr (CS, TBO 656:92).
- European Goldfinch *Carduelis carduelis*
30 Fivebough Swamp, Leeton 18 May (KH).
- European Greenfinch *C. chloris*
2 males calling Centennial Park 13 Dec (JS) the only Sydney location where this species can be regularly found. 1 Griffith 17 Aug (JPI, TBO 657:100) probable escapee as no previous records this area.
- Indian Mynah *Acridotheres tristis*
6-9 birds observed anting Caringbah 26 Dec (BHs).
- Beautiful Firetail *Emblema bella*
1 Mountain Lagoon 30 Aug (MCo). Recorded in Royal NP Heathcote 1 Jan (SMo), between Waterfall and Audley 1 Nov (BST). Pair nesting Jervis Bay 8 Sep (DW); 2 along

- Murray's Beach Walk Jervis Bay 22 Dec (KH). Recorded at East Boyd SF and Wonboyn Lake 6 Jan (GH).
- Diamond Firetail *E. guttata*
1 Cutt Hill Rd Cobbitty 13 Dec (AKM), now rarely recorded in the Sydney Region.
- Double-barred Finch *Poephila bichenovii*
6 Araluen 1 Mar (CJC). 4 records for Batemans Bay, Moruya, Bermagui area Sep-Oct including max 15 at Moruya (ENHS 1986). These records are on the southern edge of the species' coastal range.
- Zebra Finch *P. guttata*
2 Legume 29 Dec (DG); 2 pairs accompanied by juveniles Kooragang Is 28 Apr (EF).
- Star Finch *Neochmia ruficauda*
Adult with Red-browed Finches *Neochmia temporalis* Henry Head, Botany Bay NP 10 Apr (AKM), was undoubtedly an escapee.
- Plum-headed Finch *Aidemosyne modesta*
32 Burrendong Arboretum 1-3 May, 60 (incl nest with eggs) 4-5 Dec (DSm).
- Spice Finch *Lonchura punctulata*
Pair Baan Baa Jul-Aug (DR), appears to be a first record for this locality. 7 North Ryde 29 Mar (EF), indicates continued presence at this location over the last 10 years.
- Chestnut-breasted Mannikin *L. castaneothorax*
Flocks of 30-200+ reported in the Illawarra region south to the Shoalhaven Valley throughout the year (CJC,DW).
- Olive-backed Oriole *Oriolus sagittatus*
1 Girraween Park (adj. Bardwell Park R/way Stn.) 13 Sep (NRa), observer's first record this locality. Recorded all months at Nowra though numbers decreased during winter months, (DW).
- Figbird *Sphecothebes viridis*
Absent during winter months and early spring Booti Booti SRA (DT); 1 Lake Heights 17 Nov (CJC).
- Spangled Drongo *Dicrurus hottentottus*
Observed regularly throughout Northern Rivers region in all months except Apr, May and Oct (GC); 1 Stroud 21 Feb (JGa,TBO 651:26). Present most months in flocks to 35 birds Booti Booti SRA Jun-Oct (DT); 1 Stannix Park 15 Mar; 1 vicinity of Oatley Park 16 Aug (FOC). Arrival: Nowra 13 Mar (DW); Moruya 25 Mar (ENHS 1986). Departure: Nowra 31 Jul (DW); Nielsen Park 1 Oct (AKM).
- Satin Bowerbird *Ptilonorhynchus violaceus*
12 Grafton 15 Aug (DG) reflects apparent annual altitudinal migration by this species in NE NSW. 1 female plumage Coutts Crossing 13 Aug-7 Dec (GC), an unusually dry habitat for this species.
- Regent Bowerbird *Sericulus chrysocephalus*
Central Coast: 1 female Lake Munmorah 20 May (EF); 1 Katandra Res 17 May; 2 in privet Kulnura 16 Jul (JA); 1 male Kilcare 24 Aug (MTy).
- Green Catbird *Ailuroedus crassirostris*
2 Katandra Reserve 17 May (MTy).
- Spotted Bowerbird *Chlamydera maculata*
Observed at Lake Ballyrogan 29-30 Mar (NM).

Paradise Riflebird *Ptiloris paradiseus*

1 female plumage Hortons Creek, Nymboida 26 Jul (GC).

White-winged Chough *Corcorax melanorhamphos*

3+ Ramornie 4 Feb; 9 NW of Coutts Crossing 6 Aug; 1 near Eatonsville 28 Sep; 5 near Waterview Heights 16 Nov; 8 Coutts Crossing 14 Jan (GC) uncommon in the Lower Clarence Valley.

White-breasted Woodswallow *Artamus leucorhynchus*

Booti Booti SRA: Departed 25 Apr and arrived 27 Aug (DT); Pair Werri Beach 23 Oct (DW,CJC) observation followed strong westerly winds, first County of Camden record.

Masked Woodswallow *A. personatus*

Male Cooyal 3 Oct (NKu). There are few recent records for this species in the Mudgee district.

Pied Currawong *Strepera graculina*

1 Booroora Rest Area Bundjalung NP 22 Nov. Arrival: Coutts Crossing 14 Jan (GC). None recorded around Dubbo 14-16 Oct but were present between Geurie South and Orange 16 Oct (BD). Recorded at Back Yamma SF 25-26 Apr (GT), observer's first record for SF.

Grey Currawong *S. versicolor*

1 Tianjara 23 Dec (DW); Pair Darkes Forest 30 Oct (PRR); 1 Moruya Oct (ENHS 1986).

Forest Raven *Corvus tasmanicus*

2 pairs in separate locations Booti Booti SRA 1-2 Mar (BH).

Little Raven *C. mellori*

20 East of Berry 25 Oct (CJC).

REPORT ON LORD HOWE ISLAND OBSERVATIONS

INTRODUCTION

Kevin Mills (KM) kindly provided details on all species recorded during a visit to the Island from 15-22 Nov. Other observers also submitted reports. The latter are annotated in the standard format of the Annual Bird Report. All other comments constitute a summary of Kevin's more significant sightings.

1986 Bird Report

Buller's Shearwater *Puffinus bulleri*

1 off Ball's Pyramid 28 Jan (RoD).

Fluttering Shearwater *P. gavia*

1 between Lord Howe Is and Balls Pyramid 3 Mar (GH).

White-bellied Storm-Petrel *Fregatta grallaria*

12 off Ball's Pyramid 28 Jan (RoD); between Lord Howe Is. and Balls Pyramid 46 on 26 Feb and 30 on 3 Mar; 1 c.1 km off Malabar 2 Mar (GH).

Brown Booby *Sula leucogaster*

1 between Lord Howe Is. and Balls Pyramid 3 Mar (GH).

Cattle Egret *Bubulcus ibis*

At least 2 birds present 15-22 Nov. Usually seen near airport but also observed at Sea Breeze and Met. Stn. each time associated with cattle.

Purple Swamphen *Porphyrio porphyrio*

1 Soldiers Creek 19 Nov. There are reputedly 2 birds on the Island.

Woodhen *Tricholimnas sylvestris*

Following the breeding program this species is now relatively common. Birds seen between 15-22 Nov were as follows: 6 Mt. Gower summit; 4 track to Little Island; and 1 Boatharbour.

Masked Plover *Vanellus miles novaehollandiae*

An uncommon species. Single birds at Sea Breeze Old Settlement Beach and the airport swamp.

Whimbrel *Numenius phaeopus*

Single birds in various locations 15-22 Nov. An obviously exhausted bird seen at Little Island on 16 Nov was found dead in same area on 18 Nov.

Greenshank *Tringa nebularia*

An uncommon species 2 Sea Breeze area 16 Nov also at Old Settlement Beach.

Terek Sandpiper *T. terek*

1 near Old Settlement Beach creek 17-18 Nov.

Sharp-tailed Sandpiper *Calidris acuminata*

1 Airport Swamp 16 Nov; 1 Old Settlement Beach creek 17 Nov.

Pectoral Sandpiper *C. melanotos*

1 Blinky Swamp 27 Feb-7 Mar (GH), first record.

Japanese Snipe *Gallinago hardwickii*

A few observations of single birds near creek at Sea Breeze and in grassy areas along Anderson Rd between 15-22 Nov.

Sooty Tern *Sterna fuscata*

A common species particularly over the northern end of the Island also at Muttonbird Point. Eggs and young observed on Mt. Eliza and nearby areas Muttonbird Point and on the northern end of Nedds Beach.

Little Tern *S. albigrons*

1 North Bay 4 Mar (GH). Not previously recorded at Lord Howe (cf. 1974 Env. Survey of LHI).

Common Noddy *Anous stolidus*

An uncommon species observed on the northern end of the island one bird observed nest-building at "The Gulch", other birds on nests at Muttonbird Point.

Shining Bronze-cuckoo *Chrysococcyx plagosus lucidus*

1 on 5 Mar (GH).

Fairy Martin *Petrochelidon ariel*

2 on 28 Jan (RoD). Not previously recorded at Lord Howe (cf. 1974 Env. Survey of LHI).

Goldfinch *Carduelis carduelis*

1 Airport 26 Feb-1 Mar (GH). Not previously recorded at Lord Howe (cf. 1974 Env. Survey of LHI).

Pied Currawong *Strepera graculina crissalis*

Moderately common in most areas - about the settlement and in bush areas, including Mt. Gower summit. It is reported that the total population is between 30 and 50 birds.

CORRIGENDA 1984 REPORT

Black-breasted Kite *Hamirostra melanosterna*

Record for Hunter region near Wollongong should read near Gosford.

White-bellied Sea-eagle *Haliaeetus leucogaster*

Only 1 nest with 2 young reported near St Albans.

Beach Stone-curlew *Esacus magnirostris*

Reports from Red Rock NP should read Red Rock.

APPENDIX 1

Index of Observers

JA	Judy Adderley	AWC	Audrey Clucas	LJH	L J Heeney
CA	C Allen	AC	Athol Colemane	GH	Glenn Holmes
DA	Debbie Andrews	JC	Jim Cooksey	EH	E.S. Hoskin
RJA	Reg Angus	RJC	Rod J Cox	BH	Barbara Howie
PA	Peter Antcliffe	FC	Fred Creer	HBOC	Hunter Bird Observers' Club
EA	E Ardern	RD	R Davies	KH	Keith Hutton
MB	Michael Barer	LD	Lynn Day	RI	R Imisides
GB	Graham Barwell	SD	Stephen Debus	RJ	Richard Jordan
IB	Ivor Bennett	RjD	Ranjid Demel	TLK	Tom Kelsey
JBI	J Blackshields	JDi	Jim Dixon	NKu	Norma Kurtz
RBr	Richard Bradley	BD	Brian Downer	SGL	Bill Lane
CB	C Brandis	RoD	Rob Drummond	DLA	Dariel Larkin
JB	John Brickhill	EHNS	Eurobodalla Nat. Hist. Soc. 1986 Ann. Report	WLa	Wayne Lawler
SBr	Stan Brown	SF	Stuart Fairbairn	BL	B Lee
AB	Amanda Browne	AF	A Fergusson	GLJ	Geoff Lundie-Jenkins
RB	Rona Bolton	PF	Penny Field	AMcB	Alan McBride
PAB	P A Bourke	EF	Eric Finley	ARMcG	Arnold McGill
MB	Mark Butoo	BF	Boyd Fitzgerald	BM	Betty Mannes
MCA	Maureen Carey	DF	D Fischer	HM	Hilary Mannes
MJC	Michael J Carter	TF	Ted Florin	BMa	Beryl Marchant
ELC	Ted Carthew	JGa	Jocelyn Gardner	AM	A Marr
DAC	D A Carmichael	GGa	G Gatenby	NM	Norma Maxwell
CJC	C J Chafer	DG	David Geering	KM	Kevin Mills
GC	Greg Clancy	MGo	Mark Goodson	PMi	P Mitchell
GCI	G Clarke	BHa	Bruce Hamon	SMo	Steve Morgan
		JHn	John Handel	AKM	Alan K Morris
		JHa	Jeff Hardy	TM	Tim Morris
		N&JH	Norm & June Harris	RM	Robin Murray

NSWBANSW Bird Atlassers

FOC NSWFOC
 MN Mike Newman
 MO'S M O'Sullivan
 DPa David Page
 MP May Pagenstecher
 B&JP B & J Parker
 RP Robert Payne
 DPe Debby Perry
 JPi J Pickford
 RPo Robyn Pogany
 CP Carol Proberts
 JP John Pryh
 GP G. Pyke
 TQ Trevor Qusted
 PRR P R Ramm

NRa Neil Rankin
 DR Del Richards
 PR Peter Roberts
 AEFr Alan Rogers
 J&NR Judy & Neil Russell
 KS K Schaefer
 NS Neville Schrader
 DS David Secomb
 JSe John Searle
 MS Michael Sharp
 PSh P Sharp
 RS R Sharrock
 NSh Nick Sheppard
 DSm Darryl Smedley
 DSt Dave Smith
 LSm Lola Smith

LES L E Smith
 CS Chris Sonter
 PSu Phillip Sullivan
 WS Warren Sweeney
 CT C Taylor
 IT Ian Taylor
 PT Peter Terrill
 MTi Margaret Tink
 DT David Turner
 GT Graham Turner
 RT Dick Turner
 MTy Maureen Tyler
 BV Barry Virtue
 EW Eric Wheeler
 DW Diana Wright

APPENDIX 2

LOCATION GUIDE

Reported Location Approx. Grid Ref.
 Deg Min S Deg Min E

1. NORTHERN RIVERS

Angourie 29 28 153 22
 Angourie Point 29 29 153 23
 Belongil Creek, Byron Bay 28 28 153 35
 Bora Ridge, Woodburn 29 05 153 10
 Braunstone 29 48 152 58
 Broken Head NR 28 43 153 35
 Broome Head (c.65 km off) 29 26 153 25
 Brushgrove 29 35 153 05
 Bunjalung NP 29 15 153 23
 Byrill Creek 28 25 153 12
 Carrs Is., Grafton 29 40 152 15
 Chinderah 28 35 153 25
 Coolgardie Rd, Wardell 28 56 153 28
 Coopers Creek 28 35 153 25
 Corindi River 30 00 153 12
 Crystal Waters, Yamba 29 25 153 12
 Cumbebin Swamp, Byron Bay 28 28 153 35
 Dart Is., Yamba 29 25 153 18
 Diggers Headland 29 55 153 17
 Dunoon 28 42 153 18
 Eatonsville 29 39 152 50
 Elizabeth Is., Grafton 29 44 152 55

Fineflower 29 24 152 40
 Glenreagh 30 03 152 59
 Glenugie SF 29 48 153 02
 Grady's Creek 28 22 152 58
 Horton's Creek, Nymboida 29 55 152 45
 Jaloom 29 54 152 53
 Kentucky Stud 29 45 153 02
 Korora Bay, Coffs Harbour 30 15 153 07
 Kungala 29 57 153 02
 Kyogle 28 37 153 01
 Lanitza 29 53 153 02
 Legume 28 24 153 12
 Lennox Head 28 50 153 34
 Lower Kangaroo Creek 30 01 152 49
 Lower Southgate 29 35 153 12
 Mebbin SF 28 25 153 12
 Minyon Falls, Nightcap NP 28 32 153 15
 Munro Is., Lawrence 29 28 153 08
 North Ewingar Road 29 08 152 25
 Nullum SF, Murwillumbah 28 23 153 12
 Pottsville 28 25 153 34
 Purgatory Creek 29 35 152 40
 Ramournie 29 40 152 48
 Repton 30 27 153 00
 Rosewood Creek 30 44 152 55
 Rushforth 29 48 152 52
 Shallow Channel, Yamba 29 25 153 12
 Sportsman's Creek 29 30 153 01
 Stokers Siding 28 24 153 24
 Strontian Park, Great Marlow 29 45 152 55
 Susan Is., Grafton 29 44 152 55
 The Haystack, Old Bonablo 28 36 152 32.
 Tomki Creek 28 52 153 10

Towallum	30 02 152 52
Trenayr	29 38 152 56
Tweed Heads Golf Course	28 10 153 33
Unumgar	28 25 152 45
Washpool NP	29 25 152 20
Water Reserve, Grafton	29 43 152 55
Woodford Is., Maclean	29 28 153 12
Woodview	28 52 152 58
Woolgoolga FR	30 07 153 12
Yabbra SF	28 33 152 33

2. MID-NORTH COAST

Beechwood	31 26 152 41
Big Gibber, Myall Lakes NP	32 28 152 25
Boundary Creek SF	
Hibbard	31 26 152 53
Koolunbung Creek,	
Port Macquarie	31 25 152 54
Pelican Is., Wallis Lake	31 15 152 30
Pembroke	31 33 152 45
Port Macquarie STW	31 26 152 54
Smiths Lake	31 12 151 28
Thrumster	31 28 152 52
Wallinghat SF	32 20 152 16

3. HUNTER

Blackalls Park	33 00 151 37
Bolwarra	32 39 151 35
Booti Booti SRA	33 30 152 26
Bouddi NP	33 32 151 25
Broadmeadow	32 55 151 45
Buttaba	33 03 151 35
Fern Bay	32 53 151 48
Fisheries Creek, Hexham	32 50 151 41
Glenoak, nr Seaham	32 37 151 42
Goulburn River NP	32 18 150 02
Hunter Region Botanic	
Gardens	32 48 151 43
Irrawang	32 45 150 45
Kariong	33 27 151 18
Katandra Reserve	33 26 151 25
Kilaben Bay	33 02 151 35
Kilcare	33 32 151 22
Kotara Heights	32 57 151 42
Marks Point	33 05 151 35
Munmorah SRA	33 12 151 36
Mulbring	32 55 151 28
Narrara	33 25 151 22
Pulbah Is., lake Macquarie	33 01 153 52

Rankin Park	32 55 152 35
Raymond Terrace	32 46 151 45
Redhead (12 km E of)	33 01 151 52
Ridgeway, nr Lisarow	33 23 151 23
Sunnybank, Kangy Angy	33 23 151 22
Tinda Creek, Bulga	32 39 151 02
Total	32 40 150 35
Toronto	33 01 151 35
Warkworth Road, Bulga	32 39 151 02
Widden Valley	32 32 150 12

4. SYDNEY

Audley	34 04 151 04
Bayview St., Mt. Kuring-gai	33 38 151 08
Broken Bay,	
(E. at c.100 fathoms)	33 35 151 40
Bundeena	34 07 151 09
Cabbage Tree Basin, Royal NP	34 08 151 03
Cape Solander	34 01 151 16
Captain Cook's Landing Place	34 00 151 15
Caringbah	34 03 151 08
Clark Is., Sydney Harbour	33 52 151 15
Cobbitty	34 01 150 42
Cumberland SF	33 44 151 02
Cutt Hill Road, Cobbitty	33 59 150 42
Deep Creek, Narrabeen	33 43 151 18
Earlwood	33 53 151 07
Fishponds Waterhole, Hornsby	33 43 151 06
Garie Beach, Royal NP	34 10 151 05
Georges Hall	33 55 151 57
Girraween Park	33 55 150 58
Glenbrook	33 45 150 35
Glossodia	33 32 150 47
Heathcote	34 05 151 01
Ingleburn	34 00 150 52
Lake Northam, Sydney City	33 53 151 12
Londonderry	33 40 150 43
Lovett Bay, Kuring-gai NP	33 38 151 16
Middle Head, Mosman	33 49 150 15
Mona Vale	33 41 151 18
Narraweena	33 42 151 18
Oatley Park	33 58 151 05
Parramatta Park	33 48 151 02
Pennant Hills Park	33 45 151 05
Schofield	33 42 150 52
Scout Camp Gully	
Upper Lane Cove R	33 45 151 05
South Head,	
Sydney Harbour NP	33 49 151 17
Store Beach, SHNP	33 52 151 15

Thornleigh	33 44	151 05
Turrella Railway Station	33 56	151 08
Waterfall	34 07	151 00
Windsor	33 37	150 48
Wolli Creek Reserve	33 56	151 08
Wollstonecraft	33 50	151 13
Woolooware Bay	34 02	151 09

5. ILLAWARRA

Appin	34 12	150 47
Bass Point	34 38	150 52
Berry	34 48	150 43
Coolendel HSD Burrier	34 51	150 26
Coniston Beach	34 38	150 53
Five islands NR	34 28	150 55
Kangaroo Valley	34 45	150 32
Killalea SRA	34 38	150 52
Koona Bay, Lake Illawarra	34 32	150 55
Lake Heights	34 32	150 50
Maquarie Pass	34 33	150 47
Minnamurra	34 37	150 56
Monto Heights	34 33	150 48
Mount Cambewarra	34 47	150 31
Mount Murray	34 33	150 40
Numbaa	34 53	150 37
West Cambewarra	34 49	150 30
Windang	34 32	150 57
Yallah	34 43	150 46
Yerriyong	34 57	150 33

6. SOUTH COAST

Araluen	35 38	149 49
Batemans Bay	35 45	150 15
Becroft Peninsula	35 02	150 56
Bermagui	36 25	150 05
Blackfellow Point,		
Tuross Heads	36 05	150 08
Broulee	35 52	150 11
Burrewarra Point	35 50	150 05
Crookhaven Heads	34 56	150 45
East Boyd SF	37 12	149 55
Governor's Head, Jervis Bay	35 08	150 45
Greenwell Point	35 55	150 45
Herta HSD, Moruya	35 55	150 05
Jervis Bay	35 05	150 45
Lake Wapengo	36 37	150 02
Malua Bay	35 48	150 14
Maulbrooke Road, Moruya	35 55	150 05
Moruya Heads	35 55	150 09

Mount Dromadary	36 18	150 02
Mowarry Point, Eden	37 09	150 01
Mullendene, Moruya	35 53	150 05
Nelson Lagoon,		
Mimosa Rock NP	36 42	150 00
Tathra	36 45	149 59
Tianjara Falls	35 07	150 20
Tuross Beach	36 05	150 08
Twofold Bay	37 05	149 55
Wallaga Lake	36 23	150 05
Womboyn Lake	37 15	149 55

7. NORTHERN TABLELAND

No additional locations for Northern Tableland Region.

8. CENTRAL TABLELAND

Burrendong Dam	32 40	149 08
Capertee/Glen Davis	33 09	150 08
Cooyal	32 27	149 45
Newnes	33 12	150 14
Wollar	32 12	149 57

9. SOUTHERN TABLELAND

Darkes Forest	34 35	150 18
Exeter	34 37	150 19
Murrumbateman	36 37	150 02
Thredbo	36 30	148 18
White Horse Hut & Horse		
Camp Hut, Kosciusko NP	36 19	148 24
Willow Creek, Collector	34 55	150 30

10. NORTH-WEST SLOPES

Barraba (22 km N. of)	30 10	150 35
Beebo SF, Yetman	28 55	150 55
Blue Nobby HSD, North Star	28 55	150 35
Boobora	28 38	150 10
Boomi West NR, Boomi	28 45	149 32
Murrurundi	31 46	150 50
Warialda	29 33	150 34
Yetman	28 53	150 45

11. CENTRAL-WEST SLOPE

Eumungerie	31 56	148 38
Geurie South	32 25	148 50
Hervy Range, nr Parkes	32 55	148 22
Orange	33 18	149 07

12. SOUTH-WEST SLOPES

Ardlethan	34 22	146 55
Back Yamma SF	33 55	147 25
Corowa STW	36 01	146 23
Erigolia	33 52	146 22
Gum Swamp, Forbes	33 25	147 58
Jindera	35 57	146 52
Jingellic	35 56	147 42
Poolbooke Road, Grenfell	33 52	148 08

13. NORTH-WEST PLAINS

Boggabilla	28 37	150 21
Carwall Swamp, Mungindi	29 05	149 05
Mains Lagoon, Boggabilla	28 39	150 20
Marshalls Ponds, Moree	29 22	149 55
Mungindi, (c. 12km E. of)	28 58	149 05
Mundine Stn., nr Goodiwindi	28 35	150 15
Mungle Creek, 18km NW of North Star	28 52	150 15
Salt Caves, Pilliga NR	31 00	149 10
Terlings Stn., Moree	29 05	150 04
Yerarbon (10km S.)	28 40	150 45

14. CENTRAL-WEST PLAIN

Euabalong West	33 03	146 23
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15. RIVERINA

Almond Road Swamp, Leeton	34 32	146 25
Berangerine HSD, Gunbar	34 05	145 25
Hillston	33 28	145 32
Loughnan NR	33 33	145 45
Morundah - Urana Road	35 06	146 25

Nericon Swamp, Griffith	34 12	146 02
Rockdale Swamp, Leeton	34 32	146 25
Tuckerbil Swamp, Yanco	34 37	146 24

16. UPPER WESTERN

Bourke	30 05	145 57
Lake Pinaroo, Sturt NP	29 05	141 15
Teralba	29 27	146 57

17. LOWER WESTERN

Euabalong West	33 03	146 23
Millawa SF, Mathoura	35 55	145 00
Oaklands	35 33	146 10
Six Mile Creek, nr Wentworth	34 05	141 55
Torry Plain, Balranald	34 30	143 30
Trida	33 01	145 58
Umberumberka Reservoir	31 53	141 13

AERIAL MATING OF WEDGE-TAILED EAGLES QUESTIONED

S.J.S. DEBUS

Bryden & Bryden (1976) claimed that they observed aerial copulation by a pair of Wedge-tailed Eagles *Aquila audax*, in which the "male" turned upside down and breasted the "female" for several seconds. Baldwin (1977) observed a pair of Wedge-tailed Eagles in "mirrored flight" although she did not observe actual copulation, which subsequently took place on a perch.

The booted eagles (*Aquila* spp. and relatives) perform a variety of aerial manoeuvres in courtship, from soaring in pairs (sometimes in tandem) and undulating diving displays to rolling and foot-touching displays in which the male swoops at or passes over the female, which rolls and presents her talons; the pair may link claws momentarily, or more rarely grapple talons and fall in a series of "cartwheels" or a lateral spin (Brown 1976). All such stages of display have been recorded for the Wedge-tailed Eagle, eg. undulating displays, mutual soaring, rolling and foot touching, and occasionally cartwheeling (Frith 1969, Brooker 1974, Debus 1978, Frauca 1980, Chatto 1985). Reports of copulating Wedge-tailed Eagles have involved perched birds (D'Andria 1967, Brooker 1974); copulation in other eagles occurs on a perch or on the nest (Brown 1976, Cramp & Simmons 1980). This accords with my own observations, and in one case a pair of Wedge-tailed Eagles mated on a perch after they had performed aerial undulating displays. I have not observed aerial matings or attempts at such, and it is apparent that rolling and foot-touching could be mistaken for aerial copulation if the observer is unfamiliar with the components of eagle display.

I suggest that Bryden & Bryden (1976) were observing a rolling and foot-touching display. This type of display appears to be ritualised aggression and defence, and is only one of the courtship rituals which lead to mating.

Observers sometimes claim that falcons and various large raptors such as vultures copulate in flight, but as pointed out by Brown & Amadon (1968) and Cade (1982) this is unsubstantiated and is probably a misinterpretation of aerial courtship manoeuvres (eg. observation of accidental contact). Though otherwise highly aerial, falcons copulate only on perches; swifts are the only birds known to habitually copulate in flight, in belly-to-belly contact with clasped feet (Cade 1982). Aerial copulation is considered physically impossible for birds of prey, especially the larger species (Brown & Amadon 1968).

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- S.J.S. Debus, P.O. Box 1015, Armidale, NSW, 2350.*

NOTICE TO CONTRIBUTORS

Contributors are requested to observe the following points when submitting articles and notes for publication.

1. Species, names, and the order in which they occur are to be in accordance with "Handlist of Birds in New South Wales". A.K.Morris, A.R.McGill and G.Holmes 1981 Dubbo: NSWFOC.
2. Articles or notes should be type written if possible and submitted in duplicate. Double spacing is required.
3. Margins of not less than 25mm width at the left hand side and top, with similar or slightly smaller at the right hand side of the pages.
4. No underlinings or no abbreviations except as shown in the examples.
5. Photographs should be glossy finish and not too small.
6. The *Style Manual*, Commonwealth Government Printing Office, Canberra (1966) and subsequent editions will be the guide for this Journal.
7. Diagrams will be on plain white paper drawn with india ink. Any lettering is to be 'professional style' or lightly penciled.
8. Dates must be written "1 January 1975" except in tables and figures where they may be abbreviated.
9. The 24-hour clock will be used, times being written 06:30, 18:30 for 6.30am and 6.30pm respectively.
10. Mr, Mrs, Dr are not to be followed by a full stop.
11. In text, numbers one to ten are spelt; numbers of five figures or more should be grouped in threes and spaced by a thin gap. Commas should not be used as thousands markers.
12. References to other articles should be shown in the text-'...B.W.Finch and M.D.Bruce (1974) stated...'and under heading.

REFERENCES

Finch, B.W. & M.D.Bruce. 1974. The status of the Blue Petrel in Australian waters
Aust. Birds 9:32-35

13. Acknowledgements to other individuals should not include Christian names or initials.

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June 1990

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