

BLUE-WINGED TEAL *Anas discors*

Single drake in the pens in December, 1956.

AMERICAN WIGEON *Anas americana*

Single drake on the river on 9th March, 1946.

RING-NECKED DUCK *Aythya collaris*

Adult male in the pens, 12th-14th March, 1955.

SCAUP *Aythya marila*

Two on the canal, February, 1956, and individuals in the pens January-March and November-December, 1960.

GOLDENEYE *Bucephala clangula*

Six occurrences in winter and spring from the river and pens involving thirteen birds.

LONG-TAILED DUCK *Clangula hyemalis*

Three winter records on the canal totalling four birds.

COMMON SCOTER *Melanitta nigra*

Several winter records on the river or canal, maximum five birds. A single male on the river, June, 1957.

RED-BREASTED MERGANSER *Mergus serrator*

One 'red-head' on the river April-May, 1960.

GOOSANDER *Mergus merganser*

Five winter records from the river involving one or two birds on each occasion.

SMEW *Mergus albellus*

Four winter records from river and pens. Singles except for 14 in early February, 1956.

References

- (H. BOYD). 1958. Wild ducks at the New Grounds 1947-57. *Wildfowl Trust Ninth Ann. Report* : 26-32.
 ELTRINGHAM, S. K. & G. L. ATKINSON-WILLES. 1961. Population changes of British ducks, 1948 to 1960. *Wildfowl Trust Twelfth Ann. Report* : 40-57.
 ELTRINGHAM, S. K. & H. BOYD. 1963. The moult migration of the Shelduck *Tadorna tadorna* (L.) to Bridgwater Bay, Somerset. *British Birds* :

Additional voice recordings of the Anatidae

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In the *Twelfth Annual Report* a list was published of all the forms of Anatidae whose voices were known to have been sound recorded (Boswall, 1961a). Since then a number of new gramophone records have appeared (Boswall, 1961b and in press) and other recordings have been made, which considerably increase the number of forms recorded—hence this supplementary contribution.

Available recordings

Scott (1957) lists 247 living forms of 147 species of Anatidae 61 forms of 55 species appeared in the earlier list (*op. cit.*) as having their voices available on either commercial or BBC gramophone records. All the new recordings are

systematically listed below (cross-referenced to a discography) and include 17 additional forms of 17 species, bringing the total to 78 forms of 72 species.

Another gramophone record of instrumental mimicry of bird sound has come to light. Translated literally from the Portuguese, its title is "Hunting all through Brazil". It is a 12-inch, 78 r.p.m. record and is published by Gravacos Electricas in Sao Paulo. Its purpose is to teach hunters how to use the "bird calls" (whistles) made by the family firm of Sr. Maurillio Coehlo (Fabrica de Pios de Aves, Cachoeiro de Itapemirim, State of Espirito Santo, Brazil) and it includes examples of ducks, tinamous, doves and other game birds (Mitchell, 1957, p. 32).

Supplementary List of Forms of Anatidae whose recorded voices are available

Note: the numbers refer to the discography that follows; those in italics refer to recordings of captive birds. Subspecies are inset under the nominate race. Forms additional to those in the list published earlier are asterisked.

*Fulvous Whistling Duck	8
White faced Whistling Duck	6 (see note)
Northern Red-billed Whistling Duck	8
Black Swan	3
*Black-necked Swan	2, 6
Whistling Swan	4, 7, 8
Bewick's Swan	6, 12
Whooper Swan	9, 11
Trumpeter Swan	2, 6, 8
'Geese'	5
Pink-footed Goose	12
European White-fronted Goose	6, 12
Pacific White-fronted Goose	7, 8
Lesser White-fronted Goose	10
Bar-headed Goose	6
Emperor Goose	8
Lesser Snow Goose	7, 8
(Blue Goose)	7, 8
'Canada Goose'	4, 7, 8
Atlantic Canada Goose	6, 9
Hawaiian Goose or Ne-Nc	6
Russian or Dark-bellied Brent Goose	8, 12
*Atlantic or Light-bellied Brent Goose	8
*Ruddy Shelduck	6
*Radjah Shelduck (ssp?)	6
*Andean Goose	2, 6
Cereopsis Goose	6
Northern Pintail	1, 7, 8
European Green-winged Teal	8
*American Green-winged Teal	7, 8
Mallard	1, 6, 7, 8, 14
North American Black Duck	1, 8
Gadwall	7, 8
American Wigeon	7, 8
European Wigeon	6, 8, 9, 12
*Chiloe Wigeon	6
Blue-winged Teal	7, 8
Common Shoveler	7, 8
European Eider	6, 8, 12
Canvasback	2, 7, 8
*European Pochard	12
Redhead	2, 7, 8
*Ring-necked Duck	8
Tufted Duck	12
Lesser Scaup	8
*European Greater Scaup	12
North American Wood Duck	8
Spur-winged Goose	13

*Velvet Scoter	12
Long-tailed Duck or Old Squaw	6, 8, 12
Barrow's Goldeneye	6, 8
*European Goldeneye	12
American Goldeneye	8
*Bufflehead	8
*Smew	12
*Hooded Merganser	8
Red-breasted Merganser	8, 12
Goosander	12
North American Ruddy Duck	7, 8
*African White-backed Duck	2, 6

Supplementary List of Gramophone Records which include voices of the Anatidae

1. ANON. c. 1957. *Black Ducks and Mallards* (no. D-100), *Black Ducks, Mallards and Pintails* (no. D-101) and *Geese* (no. G-200). Three 7-inch, 45 r.p.m. discs. Lititz, Pennsylvania: Animal Trap Company of America.
2. BBC NATURAL HISTORY RECORDINGS LIBRARY. Recent additional discs up to no. 25108. Duplicate sets are available at the offices of the British Trust for Ornithology and at Madingley Ornithological Research Station, Cambridge, and a part-set at the Laboratory of Ornithology, Cornell University, Ithaca, New York State.
3. BIGWOOD, K. and J. 1961. *A Treasury of New Zealand Bird Song, No. 4*. One 7-inch, 45 r.p.m. disc, no. EC-25, and booklet, Supplement No. 1. Wellington: A. H. and A. W. Reed.
4. BOYES, E. and A. 1960. *Wild Bird Songs, Vol. 2*. One 12-inch, 33.3 r.p.m. disc, no. L08P 4352. Detroit, Michigan: E. and A. Boyes.
5. BRAMBLE, CLAYTON, c. 1954. *Genuine Wild Geese Calling*. One 7-inch, 45 r.p.m. disc, no. E4-KW-7432/3. Cambridge, Maryland: Lewis Record Co.
6. DUDDRIDGE, PETER. 1962. *Wildfowl Calling*. One 7-inch, 45 r.p.m. disc, no. 7 EG 8764. London: HMV. (Michael Kendall has pointed out that the sound introduced as that of the Red-billed Whistling Duck is in fact the call of the White-faced Whistling Duck).
7. GUNN, W. W. H. 1962. *Prairie Spring*. One 12-inch, 33.3 r.p.m. disc, no. T.51091/2. Don Mills, Ontario: Federation of Ontario Naturalists.
8. KELLOGG, P. P. 1962. *A Field Guide to Western Bird Songs*. Three 12-inch, 33.3 r.p.m. discs. Boston: Houghton Mifflin. (N.B. six of these recordings were made in Europe).
9. KIRBY, JOHN. 1962. *Songs of Birds in Britain*. Two 7-inch, 45 r.p.m. discs, accompanying the book *Birds in Britain* by Kenneth Richmond. London: Odhams Press.
10. LEKANDER, G. and PALMER, S. c. 1954. *Birds* (Swedish). One 10-inch, 78 r.p.m. disc, no. 61. Stockholm: Radiotjänst.
11. LINDBLAD, JAN. 1961. *The Singing Bird Book* (Swedish). One 7-inch, 45 r.p.m. disc, no. 307. Stockholm: Metronome.
12. PALMER, STURE. 1961-63. *Radio Bird Records* (Swedish). Fifteen 7-inch, 45 r.p.m. discs, nos. RFEP 221-235. Stockholm: Sveriges Radio.
13. QUEENY, EDGAR M. 1951. *Birds of Lake Nyibor*. One 12-inch, 78 r.p.m. disc. New York: American Museum of Natural History. (This record appeared in the earlier paper (*op. cit.*) but is repeated here as Myles North has kindly pointed out to me that I overlooked the Spur-winged Goose).
14. ZWEERES, KO. 1962. *Naardermeer*. Two 7-inch, 33.3 r.p.m. discs, nos. EFC 8 and 9. Amsterdam: European Phono Club.

Amendments

Three amendments need to be made to the earlier paper (Boswall, *op. cit.*). In the list of gramophone records, No. 4 should be amended to read: "HOSHINO, K. and KABAYA, T. 1954. *Japanese Bird Songs*. Nine 10-inch, 78 r.p.m. discs, nos. AE 133-5, AE 160-2 and AE 201-3. Yokohama: Victor". The year of publication of disc No. 5 was 1942. Under No. 13 the disc numbers should read RFEP 201-220.

Unpublished Recordings

Five major sources of unpublished recordings were listed in the earlier paper. The address of one has changed and four new ones need to be added.

Dr. W. W. H. Gunn now lives at: 455 Meadow Wood Road, Clarkson P.O., Ontario.

The four additional sources are:

The private collection of Tsuruhiko Kabaya, 327, 1-chome, Kashiwaga, Shinjuku-ku, Tokyo, Japan.

The collection of R. Nakatsubo, Japan Broadcasting Corporation, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan.

The private collection of Peter Duddridge, 8 Hatherley Court Road, Cheltenham, Glos., U.K.

The private collection of Reay H. N. Smithers, P.O. Box 8540, Causeway, Southern Rhodesia.

Col. Donald S. and Mrs. Marion P. McChesney, Research Associates of Cornell University's Laboratory of Ornithology, recorded the voices of over eighty species in the Trust's grounds early in 1962 and have deposited the tapes with the Library of Natural Sounds at the University (Kellogg, 1962).

Species and forms known to have been recorded beyond those on gramophone records are listed below. All are of captive individuals in the Trust's collection, except five species recorded wild in Japan, U.S.A., Venezuela and S. Rhodesia (two), as indicated. Recordings by Peter Duddridge (D.) or D. S. McChesney (McC.) unless otherwise marked.

Magpie Goose (McC., D.)	Hottentot Teal (wild: R. H. N. Smithers)
Spotted Whistling Duck (McC.)	Cape Teal (McC.)
Coscoroba Swan (McC., D.)	Southern Silver or Versicolor Teal (McC.)
Thick-billed or Eastern Bean Goose (McC.)	Red-billed Pintail (wild: R. H. N. Smithers; captive: McC.)
Eastern Greylag Goose (McC.)	Greater Southern or Bahama Pintail (McC., D.)
Ross's Goose (McC.)	Southern Georgian Teal (McC.)
Great Basin or Moffitt's Canada Goose (McC.)	Kerguelen or Eaton's Pintail (McC.)
Taverner's Canada Goose (McC.)	Florida Duck (wild: R. S. Little and J. W. Kimball)
Dusky Canada Goose (McC.)	African Yellowbill (McC.)
Vancouver Canada Goose (McC.)	African Black Duck (McC., D.)
Richardson's Canada Goose (McC.)	Chinese Spotbill (wild: R. Nakatsubo)
Cackling Canada Goose (McC., D.)	Northern Cinnamon Teal (McC.)
Pacific Brent or Black Brant (McC.)	Cape or South African Shoveler (McC.)
South African or Cape Shelduck (McC., D.)	Ringed Teal (McC.)
Moluccan or Black-backed Radjah Shelduck (McC., D.)	King Eider (McC., D.)
Australian or Red-backed Radjah Shelduck (McC., D.)	Red-crested Pochard (McC., D.)
Orinoco Goose (D.)	Rosy-bill (McC.)
Upland or Lesser Magellan Goose (McC.)	Mandarin Duck (McC., D.)
Falkland Upland or Greater Magellan Goose (McC.)	African Pygmy Goose (McC., D.)
Bronze-winged Duck (W. C. Dilger)	Eastern Hartlaub's Duck (McC.)
Marbled Teal (McC., D.)	Muscovy Duck (wild: Paul Schwartz)
	American Merganser (D.)

References

- BOSWALL, J. 1961a. "Voice Recordings of the Anatidae". *Wildfowl Trust 12th Ann. Rep.* : 147-51.
- BOSWALL, J. 1961b. A World Catalogue of Gramophone Records of Bird Voice. *Bio-Acoustics Bulletin*, 1(2) : 1-12. Cornell University, New York.
- BOSWALL, J. 1962. Amendments and Additions to A World Catalogue of Gramophone Records of Bird Voice. *Bio-Acoustics Bulletin*, 2(4) : 25-9. Cornell University, New York.
- KELLOGG, P. P. 1962. "Sound-recording expeditions". *Newsletter to Members*, Cornell University, New York.
- MITCHELL, MARGARET H. 1957. *Observations on the Birds of Southeastern Brazil*. Toronto University Press.
- SCOTT, PETER. 1957. *A Coloured Key to the Wildfowl of the World*. The Wildfowl Trust, Slimbridge.