

Swiss Federal Veterinary Office
(Director: Prof. Dr. H. Keller)

THIRD ANNUAL REPORT TO THE INTERNATIONAL SECRETARIAT ON
THE MANAGEMENT OF THE CONVENTION ON INTERNATIONAL TRADE IN
ENDANGERED SPECIES OF WILD FAUNA AND FLORA
IN SWITZERLAND - YEAR 1977

compiled by
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Page 3a

13 Guidelines for the Keeping of Birds in Breeding Groups under Zoo Conditions

Number of adults	Species	Aviary Enclosure		Gregege Aviary			Shelter per bird	Annotations
		Land surface	Water	Surface	Volume	Water		
1. 3	African Ostrich	500 m ²	-	-	-	-	8 m ²	
2. 6	Rheas	500 m ²	-	-	-	-	4 m ²	
3. 1	Cassowary	250 m ²	-	-	-	-	8 m ²	
4. 2	Emu	300 m ²	-	-	-	-	-	2 separate enclosures/avi. simple open-fronted shelter
5. 2	Kiwis	50 m ²	-	-	-	-	-	indoor enclosure
6. 4	Tinamous	-	-	24 m ²	48 m ³	-	2 m ²	
7. 12	Penguins, small, like Adelle	16 m ²	10 m ²	-	-	-	-	air-conditioned indoor enclosures for antarctic species
8. 6	Penguins, medium, like Cape	-	10 m ²	-	-	-	-	
9. 6	Penguins, large, like King	16 m ²	20 m ²	-	-	-	-	
10.	Loons, Crested Grebes, Petrels, Albatrosses, Frigate Birds, Boobies	-	40 m ²	-	-	-	-	should not be kept
11. 6	Pelicans, small	100 m ²	80 m ²	-	-	-	4 m ²	
12. 4	Pelicans, large	100 m ²	80 m ²	-	-	-	6 m ²	
13. 6	Cormorants, Shag, Anhingas	20 m ²	20 m ²	30 m ²	75 m ³	30 m ³	-	outdoor or indoor enclosure according to species
14. 2	Heron, small, like Little Bittern	-	-	10 m ²	25 m ³	+	-	
15. 6	Heron, medium, like Cattle Egret	-	-	24 m ²	60 m ³	+	-	
16. 6	Heron, large, like Grey	-	-	60 m ²	240 m ³	+	-	kupiert pinioned birds on very large meadows with shallow pond only indoor enclosure 50 m ² /opt.
17. 1-2	Shoebill Stork	200 m ²	+	-	-	-	8 m ²	
18. 2	Goliath Heron, Saddle Bill, Marabou	300 m ²	+	150 m ²	500 m ³	+	8 m ²	
19. 4	Storks, medium and small, like White, Abdi's	300 m ²	+	150 m ²	500 m ³	+	2 m ²	pinioned, shelter for tropical species
20. 12	Ibis, Spoonbills	-	-	60 m ²	240 m ³	+	2 m ²	unpinioned
21. 20	Flamingoes	250 m ²	100 m ²	-	-	-	1 m ²	for tropical species pond also in shelter
22. 2	Swans	200 m ²	80 m ²	-	-	-	-	
23. 2-4	Scaup, Geese	200 m ²	50 m ²	-	-	-	-	
24. 2-4	Sheldgeese, Shelducks Ducks (Anas), large	100 m ²	20 m ²	-	-	-	-	
25. 4	Pigmy Geese	-	-	36 m ²	72 m ³	4 m ²	2 m ²	unpinioned
26. 2	Steamer Ducks	100 m ²	50 m ²	-	-	-	-	
27. 10	Whistling Ducks	100 m ²	20 m ²	36 m ²	72 m ³	4 m ²	0,5 m ²	
28. 4	Teals, small, like Green-winged	-	-	24 m ²	48 m ³	4 m ²	0,5 m ²	pond also in shelter
29. 4	Diving Ducks, Scaups, Ruddy Ducks	20 m ²	20 m ²	-	-	-	-	
30.	Secretary Birds	-	-	-	-	-	-	should not be kept
31. 2	Condor, large Old World Vultures Eagles, large	-	-	60 m ²	240 m ³	-	-	Vultures: 30 m ² /120 m ³ per additional opt.
32. 2	New World Vultures, Egyptian Vulture, Eagles, small	-	-	30 m ²	120 m ³	-	3 m ²	for tropical species
33. 2	Caracaras, Falcons, large, Buzards, Kites, Owls, large	-	-	10 m ²	30 m ³	-	3 m ²	for tropical species
34. 2	Falcons, small, Owls, medium	-	-	8 m ²	20 m ³	-	2 m ²	for tropical species
35. 2	Owls, small	-	-	5 m ²	10 m ³	-	1 m ²	for tropical species
36. 2-6	Pigmy Falcons	-	-	5 m ²	10 m ³	-	-	indoor aviary
37. 2	Coshawks, Sparrow Hawks, Harrier	-	-	-	-	-	-	should not be kept
38. 2	Brush Turkeys, Bustards, small	-	-	60 m ²	150 m ³	-	6 m ²	
39. 2	Pheasants, Argus, Reinhardt's Pheasant	-	-	36 m ²	144 m ³	-	6 m ²	
40. 2	Curassows, large, Tragopans, Imperial Pheasants	-	-	36 m ²	90 m ³	-	4 m ²	for tropical species
40. 3	Wild Turkeys	-	-	-	-	-	-	
40. 4	Grouse, large, like Capercaillie	-	-	-	-	-	-	
40. 6	Guinea-fowl, savannah species	-	-	-	-	-	1,5 m ²	

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		Land surface	Water	Surface	Volume	Water		
41. 4	Pheasants, Grouse, small	-	-	24 m ²	48 m ³	-	1,5 m ²	
41. 2	Rock Partridges, Curassows, small	-	-	-	-	-	3 m ²	
41. 6	Partridges, Francolins	-	-	-	-	-	0,8 m ²	
42. 6	Quails	-	-	12 m ²	24 m ³	-	0,8 m ²	indoor aviary
43. 2	Routroual	-	-	4 m ²	8 m ³	-	-	indoor aviary
44. 2	Painted Quail	-	-	1,5 m ²	0,9 m ³	-	-	indoor aviary
45. 2	Button Quail	-	-	3 m ²	3 m ³	-	-	indoor aviary
46. 2	Cranes and Bustards, large	500 m ²	+	-	-	-	6 m ²	
47. 2	Cranes, small	300 m ²	+	-	-	-	4 m ²	
48. 2	Tasmanian Waterhen, Trumpeters	24 m ²	+	24 m ²	48 m ³	+	4 m ²	preferable to be kept under semi-wild conditions
49. 2	Rails, large	-	-	12 m ²	30 m ³	+	-	outdoor or indoor aviary
50. 2	Rails, small	-	-	4 m ²	8 m ³	+	-	indoor aviary
51. 2	Serims	-	-	36 m ²	90 m ³	-	-	indoor aviary
51. 2-12	Plovers, Lapwings, Stilts, Curlews, Oystercatchers etc.	-	-	12 m ²	30 m ³	+	-	per additional bird 1 m ² more, outdoor and indoor aviary
52. 2	Woodcocks, Snipes, Terns, Auks, Gulls, Razorbill	-	-	-	-	-	-	should not be kept
53. 6	Gulls, large	60 m ²	12 m ²	60 m ²	240 m ³	12 m ²	-	
54. 10	Gulls, small	-	-	60 m ²	240 m ³	+	-	
55. 2	Sand grouse	-	-	24 m ²	60 m ³	-	-	
55. 2	Pigeons, large, like Goura	-	-	24 m ²	60 m ³	-	-	indoor aviary
56. 6	Pigeons and Doves, medium	-	-	-	-	-	-	outdoor or indoor aviary
57. 2	Doves, small, like Diamond	-	-	1,5 m ²	2,25 m ³	-	-	indoor aviary
58. 2	Aras, Cockatoos, large	-	-	8 m ²	16 m ³	-	-	Parrots and following species: the volumes indicated have to be available all over the year
59. 2	Cockatoos, small, Amazons, Pionas, Grey Parrot, Poicephalus	-	-	2 m ²	4 m ³	-	-	
60. 2	Araucarias*, Alexandrine Parakeet, Lories, larger Rosellas	-	-	3 m ²	6 m ³	-	-	* some species may be kept in colonies, 1 m ³ per additional opt.
61. 2	smaller Rosellas and Peittacula species, Cockatiel	-	-	2 m ²	4 m ³	-	-	
62. 2	Lovebirds, Hanging Parrots	-	-	1 m ²	0,8 m ³	-	-	0,5 m ³ per additional opt.
63. 2	Budgerigars	-	-	0,4 m ²	0,24 m ³	-	-	0,1 m ³ per additional opt.
64. 2	Turacocs	-	-	12 m ²	30 m ³	-	-	
65. 2	Frogmouths, Housebirds	-	-	6 m ²	12 m ³	-	-	
66. 2	Swifts	-	-	-	-	-	-	should not be kept
67. 2	Hummingbirds	-	-	2 m ²	3 m ³	-	-	should not be kept
68. 2	Quetzals	-	-	-	-	-	-	
69. 2	Trogon, Kookaburras, Rollers, Hoopoes, Bee-eaters, Hornbills, small, Toucans, Toucanets	-	-	12 m ²	24 m ³	+	-	Bee-eaters: 6 birds
70. 2	Kingfisher, large	-	-	6 m ²	12 m ³	+	-	
71. 2	Hornbills, large	-	-	60 m ²	180 m ³	-	-	
72. 2	Woodpeckers, large	-	-	12 m ²	24 m ³	-	-	
73. 2	Woodpeckers, small	-	-	2 m ²	3 m ³	-	-	
74. 2	Raven, Crow	-	-	24 m ²	48 m ³	-	-	
75. 2	Choughs, Magpies, Jays	-	-	12 m ²	24 m ³	-	-	
76. 2	Barbets, large, Nuthatch, Cardinals, Mynas, Kingfisher small	-	-	4 m ²	8 m ³	-	-	
77. 2	Starlings, Whydas (Vidua)	-	-	2 m ²	4 m ³	-	-	
78. 2	Thrushes, Flycatchers, Orioles, Leaf-birds, Sunbirds	-	-	2 m ²	3 m ³	-	-	
79. 2	Finches, Buntings, Tanagers, Whydas (Collinpasaur), White-eyes, Barbets, small	-	-	0,9 m ²	0,9 m ³	-	-	
80. 2	Vaxbills etc.	-	-	0,6 m ²	0,36 m ³	-	-	