

Supporting Materials

The International Waterfowl (and Wetlands) Research Bureau: c. 1945–1995

This supplementary document presents a range of information about IWRB, including a small selection of photographs of staff (Figs. S1–S3), and participants of meetings and excursions (Figs. S4–S10). Box S1 presents the history of the iconic IWRB logo with Box S2 presenting examples of the changing style of IWRB's newsletter. Box S3 gives a first list of IWRB staff from its inception. Box S4 presents the contents of IWRB's 1966 provisional documentation on legislative and administrative measures for wildfowl conservation in Europe and North Africa ("the red book"), indicating the significant information collated by these early compilations (and which should be digitised in the present).

Table S1a lists dates and venues of the Executive Board meetings, and in later years the workshops or symposia associated with these, whilst Table S1b summarises some of the additional meetings organised or supported by IWRB. Table S2 presents a first (incomplete) listing of Working/Research Groups, whilst Table S3 gives a very small selection of the formal interventions made by IWRB concerning the threats to key wetlands. Table S4 summarises the wetland inventories and derived information products produced by IWRB, noting that further directories and inventories continued to be published by Wetlands International after 1995. Finally, Annex S1 presents a list of International Wildfowl Research Institute (IWRI) and IWRB publications from 1949–1995, including the 38 volumes of the "Special Publications" series. Note this list does not include multiple papers by IWRB staff or contractors published in journals or as contributions to symposia published by other organisations.

We note that these lists were compiled without access (due to Covid) to IWRB's organisational archives held by Wetlands International in the Netherlands, and so are most likely incomplete. We would welcome corrections or additions to enable a more complete record of the activities of IWRB to be produced in future: please send to David@DAStroud.uk.

Photographs of IWRB staff



Figure S1. Phyllis Barclay-Smith CBE.
Photograph courtesy of *British Birds*.



Figure S2. Prof. Geoffrey Matthews OBE. Director of IWRB 1969–1988. Photograph courtesy of the Wildfowl & Wetlands Trust (WWT).



Figure S3a. IWRB Headquarters staff, July 1993. Photograph by Tim Davis.

Back row, left to right: Paul Rose (Waterfowl Monitoring Officer), Sarah McKean (Senior Secretary), Ben Davies (African Programme Officer), Nathalie Hecker (Technical Assistant), Mike Moser (Director), Janine van Vessem (Programme Manager – waterbirds), Crawford Prentice (Programme Manager – wetlands), Martina Bernhard (Secretary), Tim Jones (Ramsar Liaison Officer).

Front row, left to right: Val Taylor (Technical Assistant – IWC), Louisa Beveridge (Administrative Assistant), Sharon Woodward (Secretary), Pere Tomàs Vives (Mediterranean Programme Officer), Selestinah Moyo-Jones (secondment), Martina Eiseltová (Training Programme Officer), Simon Nash (Administrator), Joanne Matthews (Administrative Assistant).



Figure S3b. IWRB Headquarters staff, c. 1989. Photograph probably by Angela Gray.

Left to right: Jean-Yves Pirot, Tim Jones, Kay House, Matthew Parry, Simon Nash, Mike Smart, Val Taylor, Joost van der Ven and Jean-Yves Mondal-Monval.



Figure S4. George Atkinson-Willes (second from left), the initial co-ordinator of the International Waterbird Census (IWC) and Tony Prater (middle), co-ordinator of the Wader RG (following the 19th IWRB Executive Board meeting, Poland, September 1973). Photograph by Gerard Boere.



Figure S5. Two pioneers of international waterbird research and conservation, who massively shaped IWRB: Hugh Boyd (left) of the Canadian Wildlife Service (and formerly of the Wildfowl Trust) and Geoffrey Matthews (right), Director of IWRB 1969–1988. Astrakhan Conference September 1989. Photograph by Gerard Boere.



Figure S6. The 26th Board meeting in Sapporo, Japan in 1980 was the first IWRB meeting in the Far East and was held back-to-back with the Second International Swan Symposium and a Crane Symposium. Photographer unknown.

Left to right: Shigeru Matsui (Vice-President of IWRB-Japan Committee and Chair of the Japan Swan Society), Geoffrey Matthews, Mike Smart, and the long-standing French government delegate Maxime de Coniac who first attended the Board in 1961.



Figure S7. Participants of the IWRB Conference in Astrakhan, Russian Federation, September 1989. Photograph by Gerard Boere.

From left to right: Erik Carp (IWRB/Tour du Valat), Geoffrey Matthews (Wildfowl Trust and IWRB), Simon Nash (IWRB); Luc Hoffman (Tour du Valat/IWRB), Eugeniusz Nowak (German Institute for Nature Conservation); Mike Smart (Ramsar Secretariat) and Mike Moser (IWRB).



Figure S8. Start of the Volga Delta excursion following the 34th Board meeting in Astrakhan, September 1989. Photograph by Gerard Boere.

Visible in the first boat: Mike Smart (pushing), Alan Johnson (Tour du Valat), Debbie Pain (France), Mike Pienkowski (UK), Guy Morrison (Canada) and Dan Navid (Secretary General of the Ramsar Secretariat).

Second boat on left, among others: Arnd Rüger (Germany, seconded to IWRB), Herby Kalchreuter (CIC) and Patrick Dugan (IUCN).



Figure S9. Derek Scott (left) and Mike Moser (right) at Asian Wetland Conference, Karachi, 1994, discussing drafts of background documents for incipient AEWA. Photograph by Gerard Boere.



Figure S10. Janine van Vessem and Mike Moser: the Wetlands International delegation to the first AEWA Meeting of Parties (MOP 1), Cape Town, 1999. Photograph by Gerard Boere.

Boxes

BOX S1. The IWRB logo.



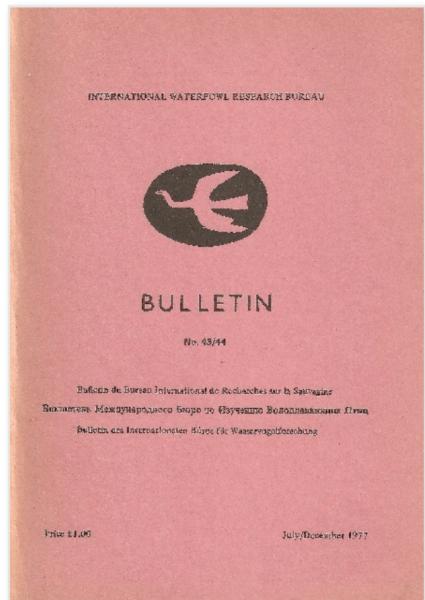
IWRB's iconic logo was developed from an original by Georges Braque, the French painter, printer and sculptor, and influential in art history for his role in the development of Cubism. Braque was a close friend of Luc Hoffman and annually sent him an original hand-painted Christmas card. He was also a great fan of the Camargue. Hoffman therefore commissioned Braque to do the design for IWRB, with at least one original in the Hoffman house.

Precisely when is now difficult to determine but it was logical that this occurred before the relocation of the HQ to Slimbridge in the UK; its appearance on the front cover of the IWRB Newsletter No. 21/22 (in July/December 1966) was a change from the flying Mallard of the previous newsletter (in July/December 1965). The Braque logo also featured in an article Geoffrey Matthews wrote about IWRB in *Wildfowl* 20 (Matthews 1969). Whilst Hayo Hoekstra when at Tour du Valat made some slight adjustments to the Braquevogel (Brachvogel = Curlew in German, *i.e.* bird of fallow land), the logo is very much as painted by Braque. Georges Braque apparently first began experimenting with birds as subjects for his art in 1949 (<https://news.masterworksfineart.com/2020/08/05/braques-birds>), with the abstracted form of a bird in flight becoming something of a motif, appearing in different formats throughout the rest of his artistic career.

Reference

Matthews, G.V.T. 1969. The International Wildfowl Research Bureau. *Wildfowl* 20: 94–97.

BOX S2. Before current, ready information exchange, IWRB regularly compiled and disseminated bibliographies of relevant research publications – of great value to those without access to libraries.



IWRB BIBLIOGRAPHY 1973

A large number of research and conservation papers dealing with waterfowl are published each year. Because of the rapidity with which many of these papers appear, it is difficult to keep up with all recent publications; the Bureau has therefore prepared a bibliography dating back to 1960. Within twelve months of the end of each year, a First List of publications for that year will be published in the IWRB Bulletin. It will contain papers appearing in the hundred or so periodicals readily available to the IWRB Headquarters. Papers from other periodicals will be included if reliable information can be obtained concerning their contents. A complete list of publications appearing in the IWRB's own periodicals will be published as well.

Second, or subsequent, lists for a calendar year will be published when details of papers appearing in other journals are made available through the National Delegates and Correspondents of the Bureau - whose cooperation is urgently requested.

The punched card index on which all information is stored will become available at Headquarters for use by visiting workers in the near future. This will enable the collections of IWRB to eventually be able to apply by post for classified lists of titles by geographical, systematic or subject grouping. Finally, if funds are available and there is sufficient demand, cross-indexed lists under the above headings may be published at five or ten year intervals.

The First List for 1973 follows as a supplement to this Bulletin. It is based on the contents of the Bulletin No. 36, that for 1966 in No. 24, 1967 in No. 30, 1968 in No. 27/28, 1969 in No. 29, 1970 in No. 31, 1971 in No. 33 and 1972 in No. 35.

Contents	Page
General	2
Divers, grebes	7
Pelicans, cormorants, darters	8
Heron, bitterns, storks, ibises, flamingos	8
Swans, geese, shelducks, shelducks	10
Ducks	13
Cranes, coots, rails	17
Waders, gulls, terns	18
Avifaunal lists, reports, etc	25

Supplement to IWRB Bulletin No. 43/44 (December 1977)

International Waterfowl Research Bureau
Slimbridge (Glos), GL2 7SX, England

Box S3. A first list of IWRB staff.

Directors

Edward Hindle (1954–1961); Luc Hoffmann (1961–1968); Geoffrey Matthews (1969–1988); Michael Moser (first full-time salaried Director) (1988–1995).

Administrators

Erik Carp (1969–1972); Eugeniusz Nowak (1973); Mike Smart (1974–1987); Simon Nash (1987–1995).

Assistant Directors

Mike Smart (1974–1987); Arnd Rüger (1982–1984); Jean-Yves Pirot (1985–1989); Joost van der Ven (1986–1988); Max Finlayson (1988–1992).

Secretariat staff and consultants

UK (London/Slimbridge): Phyllis Barclay-Smith (Honorary Secretary), Martina Bernhard, Louisa Beveridge, Izabel Brazil, Mr M. Brown, Montserrat Carbonell, Miss Ch. David, Ben Davies, Tim Dodman, Jan Dunning, Martina Eiseltová, Dave Fawcett, Max Finlayson, Colin Faulkner, Scott Frazier, Angela Gray, the Honourable Miss W.A. Greven, Nathalie Hecker, Ruth Hector, Mr & Mrs N. Henson, Miss M. Hewitt, Mary Hopkins, Kay House, Tim Jones, Sue Manning, Joanne Matthews, Sarah McKean, Jean-Yves Mondain-Monval¹, Anthea Mower, Selestina Moyo-Jones², Taej Mundkur³, Simon Nash, Matthew Parry, Christian Perennou, Jean-Yves Pirot⁴, Crawford Prentice, Lynda V. Rogers/Watts, Paul Rose, Arnd Rüger⁵, Kay Russell, Christine Samuel, Derek Scott, Sarah Smart, Joanna Storey, Deborah Summers, Val Taylor, Diane Timms, Pere Tomás Vives, Joost van der Ven⁶, Janine van Vessem, Lynda Watts and Sharon Woodward/Favell.

Tour du Valat: Georges Olivier (Honorary Secretary), The Honourable Miss Th. H. Baroness van Haersolte, Nathalie Hecker, Hayo H. Hoekstra, Miss A. Kraack and Jeremy J. Swift.

¹Seconded 1985–1988 from International Council for Game and Wildlife Conservation (CIC)

²Department of Wildlife and National Parks, Botswana in 1993

³Seconded by AWB for training and transfer of the Asian Waterbird Census from IWRB to AWB

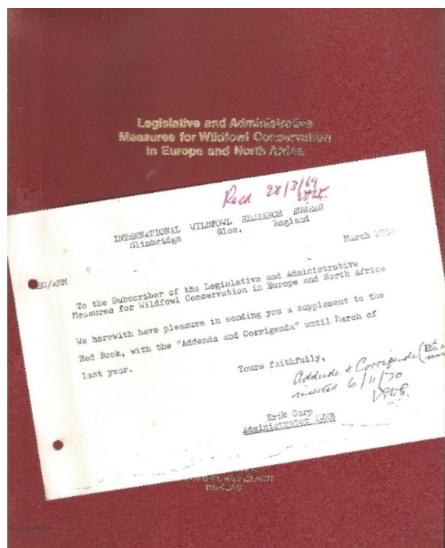
⁴Seconded by Tour du Valat/Luc Hoffmann

⁵Seconded 1982–1984 from the provincial government of Schleswig-Holstein (Federal Republic of Germany), funded through the Deutscher Jagtschutz-Verband

⁶Seconded by Dutch Ministry of Agriculture and Fisheries

With apologies for any inadvertent omissions, the authors would welcome corrections and additions.

Box S4. IWRB's 1966 provisional documentation on legislative and administrative measures for wildfowl conservation in Europe and North Africa (IWRB 1966b).



Legislative and administrative measures for wildfowl conservation in Europe and North Africa

Contents of the preliminary documentation

A. Close Seasons

1. Date of general opening of wildfowl hunting
2. Date of general closing of wildfowl hunting
3. Regional differences in close seasons
4. Species protected or with different seasons from the general one
5. Administrative provisions to stop hunting in special cases, e.g. very cold weather

B. Shooting Licences

1. Type of licence necessary for wildfowl shooting
2. Price of shooting licence
3. Authorities which issue shooting licences
4. Conditions to fulfil before a licence can be acquired
5. Geographical area of validity of the shooting licence

6. Territorial hunting rights
7. Number of general and/or wildfowl licences issued
8. Number of wildfowl killed annually
9. Use of licence money

C. Hunting Methods

1. Permitted and forbidden circumstances
2. Permitted and forbidden techniques
3. Regulation on the use of poison
4. Bag limits for wildfowl

D. Handling of Wildfowl

E. Administration

1. Government departments which issue legislation on hunting and protection of wildfowl as game birds (= birds which may legally be shot)
2. Government departments which issue legislation on conservation of nature and non-game wildfowl species
3. Regional organisations and authorities taking executive decisions for the local application and varying of laws
4. Government departments or legal authorities responsible for enforcement of hunting and protection measures
5. Government or private organisations primarily concerned with hunting or conservation on a national level
6. Chief periodicals concerned with hunting and conservation on a national level

Annex I: Maps.

- a. Duration of general wildfowl hunting
- b. Closing date of wildfowl general hunting
- c. Density of hunters
- d. Price of shooting licence.

Annex II: List of species of wildfowl in Latin, English, French and German.

Table S1a. Executive Board Meetings, associated meetings and derived publications. Publications referenced are listed in Annex S1 below.

No.	Venue	Date	Associated meeting	Publication
1	London, UK	June 1955		
2	Beetsterzwaag, Friesland, Netherlands	June 1956		
3	Bulawayo, Southern Rhodesia	July 1957		
4	Aix-en-Provence & Arles, France	May 1958		
5	Jerez-de-la-Frontera, Spain	Apr 1959		
6	Wilhelmshaven, Germany	Oct 1960		
7	Paris, France	Apr 1961		
8	Knokke-Le Zoute, Belgium	Sep 1962		
9	London, UK	June 1963		
10	Aarhus, Denmark	Sep 1964		
11	Kampen, Netherlands	May 1965		
12	Slimbridge, UK	July 1966		
13	Morges, Switzerland	Nov 1967	Informal meeting to discuss possible wetlands Convention	
14	Morges, Switzerland	Sep 1968		
15	Vienna, Austria	May 1969	Informal meetings of Pannonicum Branch of Habitat Management WG, and on draft wetlands convention	
16	Knokke, Belgium	Sep 1970		
17	Slimbridge, UK	Dec 1971	First International Swan Symposium	Papers in <i>Wildfowl</i> 24
18	Brno, Czechoslovakia	Sep 1972	Symposium on rational use of waterfowl resources	Nowak 1973
19	Warsaw, Poland	Sep 1973	Wader Symposium	Prater 1974
20	Husum, Schleswig- Holstein, Germany	Dec 1974	Held after the International Conference on the Conservation of Wetlands and Waterfowl (“Ramsar COP 0”) in Heiligenhafen	Smart 1976
21	Stockholm, Sweden	June 1975	Symposium on sea ducks	Andersson & Fredga 1978
22	Alushta, Crimea, USSR	Nov 1976	Symposium on the mapping of waterfowl distributions and habitats	Matthews & Isakov 1981

Table S1a (*continued*).

No.	Venue	Date	Associated meeting	Publication
23	Gwatt, Switzerland	Sep 1977	Symposium on feeding ecology of waterfowl	In journal of Ornithological Society of Bavaria
24	Carthage, Tunisia	Nov 1978	Symposium on the conservation of colonially nesting waterfowl	???
25	Slimbridge, UK	June 1979		
26	Sapporo, Japan	Feb 1980	Second International Swan Symposium Crane Symposium	Matthews & Smart 1981 Lewis & Masatomi 1981
27	Debrecen, Hungary	Oct 1981	Symposium on the population ecology of geese	Sterbetz 1982
28	Edmonton, Canada	1982	First western hemisphere waterfowl and waterbird symposium	Boyd 1983
29	Andalucía, Spain	May 1983	Symposium on habitat seasonality and waterfowl biology with special reference to the Mediterranean and the Neotropics	Unknown
30	Groningen, Netherlands	May 1984	Held the day before Ramsar COP 2	None
31	Paracas, Peru	May 1985	Symposium on wetland conservation in the Neotropical region	Unknown
32	Slimbridge, UK	Sep 1986		
33	Regina, Canada	May 1987	Associated with Ramsar COP 3; Flyways and reserve networks for water birds	Boyd & Pirot 1989
34	Astrakhan, USSR	Sep 1989	Symposium on managing waterfowl populations	Matthews 1990
35	Florida, USA	Nov 1992	Symposium: Waterfowl and wetland conservation in the 1990s – a global perspective	Moser <i>et al.</i> 1993
36	Kuala Lumpur, Malaysia	Oct 1995	International Conference on Wetlands and Development: four workshops	Prentice & Jaensch 1997; Giesen 1997; Claridge & O'Callaghan 1997; van Vessem 1997

Table S1b. A selection of other major IWRB conferences and derived publications. Publications referenced are listed in Annex S1.

Venue	Date	Meeting	Publication
Camargue, France	Nov 1962	Project Mar Conference	Hoffman 1964b; Olney & IWRB/ Mar Bureau 1965
St Andrews, Scotland	Oct 1963	First European Meeting on Wildfowl Conservation	Swift 1964
Noordwijk aan Zee, Netherlands	May 1966	Second European Meeting on Wildfowl	Salverda 1967
Ramsar, Iran	Jan 1971	International Conference on the Conservation of Wetlands and Waterfowl	Carp 1972
Paris, France	Dec 1977	First technical meeting on Western Palearctic migratory bird management	Smart 1979
Paris, France	Dec 1979	Second technical meeting on Western Palearctic migratory bird management	Scott & Smart 1982
Münster, Germany	Oct 1982	Third technical meeting on Western Palearctic migratory bird management	Scott 1982
Oxford, UK	Dec 1989	Third IWRB International Swan Symposium	Sears & Bacon 1991
Grado, Italy	Feb 1991	Managing Mediterranean wetlands and their birds for the year 2000 and beyond	Finlayson <i>et al.</i> 1992
Lelystad, Netherlands	Oct 1991	Farmers and waterfowl: conflict or coexistence	van Roomen & Madsen 1992
Strasbourg, France	Dec 1994	Anatidae 2000: an international conference on the conservation, habitat management and wise use of ducks, geese and swans	Birkan <i>et al.</i> 1996 (two volumes)

Table S2. A first list of IWRB Working Groups (WG, < 1970) (WG) and Research Groups (RG, > 1970–1995). “Divisions” were an attempt to organise the proliferation of groups in the absence of a single HQ RG coordinator and were introduced in 1972 to c. 1979. “WI” in the title of the group indicates that it continued into Wetlands International (per Wetlands International 1998) and became a Specialist Group (SG). * = groups joint with the International Committee of Bird Preservation (ICBP), ** = groups joint with the International Union for the Conservation of Nature (IUCN). Chairs were variously known also as Coordinators. Sources: Board minutes, Pirot 1989; van Vessem 1992; Wetlands International 1998. The authors would welcome corrections and additions.

Population and Distribution Division 1972–1979

Chair: G.L. Atkinson-Willes

Duck WG/RG/SG 1967–WI**

Chairs: G.L. Atkinson-Willes, W.J.L. Sladen, IWRB HQ

Sea Duck Branch/RG 1971–WI

Chairs: H.M. Thamdrup, E. Kumari, H. Milne, S. Pihl, K. Laursen

Nordic/Baltic Survey 1986–19??

Chair: S. Fredga

Goose WG/RG/SG 1958–WI**

Chairs: M.F. Mörzer-Bruyns, K. Hudec, M. Fog, A. St Joseph, B. Ebbingue, J. Madsen

Anser fabalis sub-group 1983–WI

Chair: M. Fog, J. Burgers

Anser brachyrhynchus sub-group 1983–WI

Chair: M.A. Ogilvie

Anser albifrons sub-group 1984–WI

Chair: E. Kuyken

Anser indicus sub-group 1986–WI

Chairs: P. Gole, V.E. Flint

Anser erythropus sub-group 1986–WI

Chair: I. Sterbetz

Anser anser sub-group 1986–WI

Chairs: K. Hudec, G. Dick

Branta bernicla sub-group 1983–WI

Chairs: E. Kuyken, A.K.M. St Joseph

Branta leucopsis sub-group 1984–WI

Chair: B. Ebbingue

Branta ruficollis sub-group 1984–WI

Chair: A.A. Vinokurov

Wader WG/RG/SG 1964–1993/Wader Study Group 1993–WI

Chairs: F. Spitz, A.J. Prater, C.J. Smit (Old World), R.I.G. Morrison & P. Canevari (New World);
Wader Study Group Chair to 1995: G.C. Boere

Coastal Waders WG/RG 1972–1976

Chair: A.J. Prater

Coot RG 1976–1980

Chair: P.M. Blums

Table S2 (*continued*).

General Biology Division 1972–1979
Chair: G.V.T. Matthews
Endangered/Threatened Waterfowl RG/SG** 1976–WI
Chairs: P. Scott, J. Kear, M. Owen, A. Green
Swan WG/RG/SG** 1971–WI
Chairs: G.L. Atkinson-Willes, W.J.L. Sladen (New World), P. Bacon, E. Rees
Ringing RG 1972/4–1983
Chairs: A.C. Perdeck, M.A. Ogilvie
Flamingo RG** 19??–WI
Chairs: A.R. Johnson (Old World), A. Sprunt, B.A. de Boer (New World)
Woodcock RG 1975–1982/ Woodcock and Snipe RG 1983–WI
Chairs: M. Shorten de Vizoso, B. Stronach, H. Kalchreuter, G. Hirons
Waterfowl Ecology RG 19??–WI
Chair: J.D. Goss-Custard
Grebe RG* 19??–19??
Chair: J. Fjeldså
Feeding Ecology RG 1978–1986
Chairs: R. Drent, P.R. Evans
Flamingos RG* 1974–1995
Chairs: A.R. Johnson (Old World), A. Sprunt, B. de Boer (New World)
Pelican RG* 1974–WI
Chairs: A. Crivelli (Old World), D.W. Anderson (New World)
Heron RG** 1985 (Old World), 1986 (New World)–WI
Chairs: H. Hafner (Old World), J.A. Kushlan (New World)
Storks, Ibises & Spoonbills RG** 1974–WI
Chairs: C.S. Luthin (New World), M.C. Coulter (Old World)
Wetland Ecology Division 1972–1974
Chair: J. Fog
Habitat WG 1966 Habitat Management WG/RG 1969–1974/ Wetland Management RG 1975–1992
Chairs: J.J. Szijj, J. Fog, G.E. Hollis, IWRB HQ
Wetland Restoration RG 1993–1995
Chairs: Kevin Irwin, Palle uhd Jepsen
Wetlands, river basins and Water Resource Management Group 1993–19??
Chair: Unknown
Wetland Inventory & Assessment RG 1992–WI
Chairs: C.M. Finlayson, L. Naranjo
Pannonic Wetlands 1972
Chair: A.K. Randik
Neotropical Wetlands RG 19??–WI
Caribbean Section 19??–WI
Chair: P.R. Bacon
South American Section 19??–WI
Chair: L.G. Naranjo

Table S2 (*continued*).

Central American Section 19??–WI
Chair: Unknown
Resource Utilisation Division 1972–1973/ Resource Harvesting Division 1974–1979
Chair: T. Lampio
Hunting Rationalisation RG 1970–1983
Chairs: T. Lampio, R.D. Sparrowe
Wetland Evaluation RG 1972
Chair: J.J. Szijj
Hunting Practices RG 1973
Chair: H.K. Michaelis
Hunting Kill Statistics RG 1973–1983/ Hunting Harvest RG 1984–1995
Chairs: E. Nowak, H. Strandgaard, F. Leeuwenberg, P. Landry
Hunting Harvest RG (Wing Survey) 19??–WI
Chairs: J. Harradine, I. Klausager
Hunter/Conservationist RG 1973–1977
Chairs: J.G. Harrison, J.A. Swift
Wetland Impact RG 1974–1992
Chair: R. Sparrowe
Surveys and Expeditions Division
Chair: G.V.T. Matthews
Southwest Asiatic WG 1967/ Asiatic Wildfowl WG 1968/ South West Asia WG 1969/ South West Asia Survey 1970–1976
Chair: C.D.W. Savage (Consultant)
West African WG 1969/ West Africa Survey 1970–1977
Chair: M.F. Roux (Consultant)
East Africa 1974–1975
Chair: A.D. Forbes-Watson
Southern Africa Survey 1970
Chairs: W.R. Siegfried, J.M. Winterbottom
Central Asia Survey 1970–1977
Chair: V. Flint
North East Asia Survey 1970–1978
Chair: A.A. Kistchinski
Mediterranean Area 1973–1977
Chairs: L. Hoffmann, F. O'Gorman, E. Carp (Consultant)
Pannonic Wetlands/Pannonicum Branch 1969–1976
Chairs: A. Festetics, A. Randik

Additional references for this table:

- Pirot, J.-Y. 1989. *The IWRB Research Group Report 1987–1988*. IWRB, Slimbridge, UK. 50 pp.
- van Vessem, J. 1992. *The IWRB Research Group Report 1990–1992*. IWRB, Slimbridge, UK. 68 pp
- Wetlands International 1998. *Specialists Group's Report 1996–1998*. Wetlands International, Wageningen, the Netherlands. 147 pp.

Table S3. A very small selection of formal IWRB interventions with national authorities regarding wetland site, or policy, related issues. EB Rec. = Executive Board Recommendation.

Year	Country	Issue	Outcome?
1965	Denmark	Conservation status of Nissum and Stadil Fjords (EB Rec. 2)	“...had much helped in making Nissum Fjord a nature reserve”
1969	Iceland	Threat to Þjórsárver goose breeding colony from potential hydro-electric development	Site ultimately was Ramsar designated
1976	Turkey	Proposed drainage of Sultansazligli Marshes	“Drainage plans cancelled following representations from IWRB”
1977	Spain	Proposed development of Ebro Delta	Work suspended until full ecological surveys carried out
1979	Denmark	Enclosure of 1,100 ha of mud and salt flats in the Wadden Sea on the Danish-German border	Site visit by HQ. Empoldering proceeded but most of the reclaimed area managed as wetland reserve
1980	Italy	Urging closure of hunting by the end of February (EB Rec. 15)	
1980	Japan	Appropriate management of crane wintering site of Arasaki (EB Rec. 11.2)	
1984	UK	Peat extraction from Eilean na Muice Dubh (Duich Moss), Islay, Scotland	Development of site ceased after EU intervention; peatland was Ramsar designated (Stroud <i>et al.</i> 2021)
1991– 1992	South Africa	St Lucia sand-mining	See text and Cowan 1992, Smart 1992 & Forbes <i>et al.</i> 2020

Table S4. IWRB's wetland inventories and derived information products. Further directories and inventories continued to be published by Wetlands International after 1995.

	Wetland Directories and reviews	Ramsar Sites	Important Bird Areas
Europe	Olney & IWRB/Mar Bureau 1965; Carp 1980; Scott 1980 (west Europe only); Hecker & Tomàs Vives 1995 (Mediterranean region only)	Jones 1993c	Grimmett & Jones 1989
Middle East	Carp 1980; Scott 1995; Hecker & Tomàs Vives 1995 (Mediterranean region only)		Evans 1994
Asia	Carp 1980 (USSR only); Scott 1989; Scott & Poole 1989; Sonoba 1989; Scott 1993a	Jones 1993b	
Africa	Olney & IWRB/Mar Bureau 1965; Carp 1980 (North Africa only); Scott 1980 (northwest Africa only); Hecker & Tomàs Vives 1995 (Mediterranean region only)	Jones 1993a	
North America		Jones 1993d	
South America/ Neotropics	Scott & Carbonell 1986	Jones 1993d	
Oceania	Scott 1993b	Jones 1993b	

Additional references for this table:

- Evans, M.I. (comp.). 1994. *Important Bird Areas in the Middle East*. BirdLife Conservation Series No. 2. BirdLife International, Cambridge, UK. 410 pp.
- Grimmett, R.F.A. & Jones, T.A. 1989. *Important Bird Areas in Europe*. International Council for Bird Preservation, Cambridge, UK. 888 pp.
- Jones, T.A. 1993a. *A Directory of Wetlands of International Importance. Part One: Africa*. Ramsar Convention Bureau, Gland, Switzerland. 97 pp.
- Jones, T.A. 1993b. *A Directory of Wetlands of International Importance. Part Two: Asia & Oceania*. Ramsar Convention Bureau, Gland, Switzerland. 120 pp.
- Jones, T.A. 1993c. *A Directory of Wetlands of International Importance. Part Three: Europe*. Ramsar Convention Bureau, Gland, Switzerland. 375 pp.
- Jones, T.A. 1993d. *A Directory of Wetlands of International Importance. Part Four: Neotropics & North America*. Ramsar Convention Bureau, Gland, Switzerland. 109 pp.
- Scott, D.A. 1980. *A Preliminary Inventory of Wetlands of International Importance for Waterfowl in West Europe and Northwest Africa*. First edition. IWRB, Slimbridge, UK. 127 pp.
- Scott, D.A. 1989. *A Directory of Asian Wetlands*. ICBP, IWRB and WWF International, Gland, Switzerland. 1,181 pp.
- Scott, D.A. 1993a. Wetlands of west Asia – a regional overview. In M. Moser & J. van Vessem (eds.), *Wetland and Waterfowl Conservation in South and West Asia. Proceedings of a Conference Held in Karachi, Pakistan, December 1991*, pp. 9–22. IWRB Special Publication No. 25 and AWB Publication No. 85. IWRB, Slimbridge, UK & AWB, Kuala Lumpur, Malaysia.
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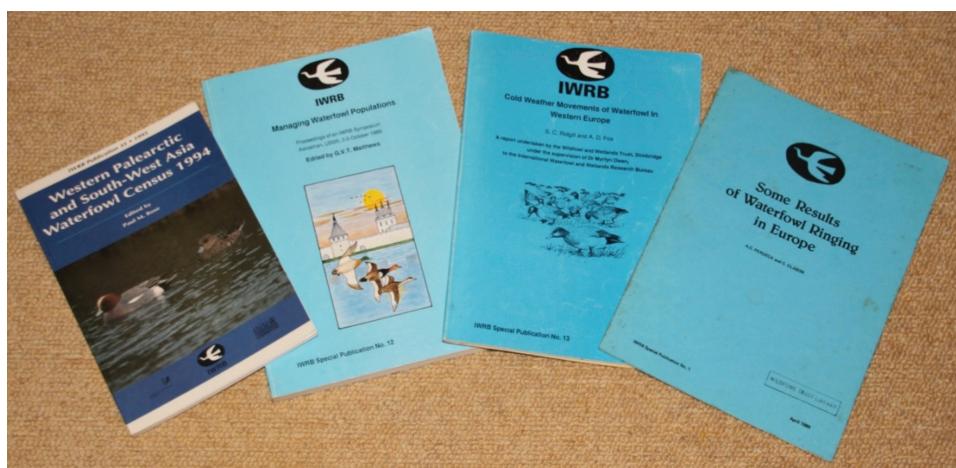
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