

Hey ! Zoo and Wildlife Veterinarians Wildlife *Information* Network and **WILDPro®**

You've been reading about Wildlife Information Network (WIN) in ZOOS' PRINT from time to time for some years. With a vision of the future, WIN has been working on a mega-website, still in progress, which will -- essentially -- be an encyclopaedia of zoo and wildlife medicine with all internet features. Here is what has been achieved so far :

CONTENTS & FEATURES

- ◆ A global information source for wildlife professionals; field biologists, veterinarians, students and researchers
- ◆ Over 5,000 documents representing extensive and detailed information on the Health and Management of Waterfowl are now available
- ◆ WILDPro® is a growing and expanding system with new sections being regularly added to the on-line version.
- ◆ Individual and Institutional Subscriptions are available on-line (for immediate access); and also by telephone, fax and post.

Subscription costs have been kept to a minimal level to enable students and those from developing countries to subscribe. (A limited number of Concessionary (Free) Subscriptions are available upon application.) More about this on the next page.

MORE about **WILDPro®**

Data is linked to the taxonomic structure of living organisms

- ▶ Detailed descriptions of Veterinary and Aviculture Techniques include Nutrition, Anaesthesia, Enclosure Design, Preventative Medicine, Postmortem Examination and Habitat Management amongst many others
- ▶ Particularly relevant external guidelines, manuals and documents have been linked directly into the system and included
- ▶ Practical Elephant Management - A Handbook for Mahouts (Elephant Welfare Association, Trichur & Zoo Outreach Organisation - CBSG-India)
- ▶ Field Manual of Wildlife Diseases - General Field Procedure and Diseases of Birds (National Wildlife Health Center)
- ▶ GUENONS - Management Guidelines for the Welfare of Zoo Animals (Federation of Zoological Gardens of Great Britain and Ireland)
- ▶ Wetlands, Industry and Wildlife - A manual of principles and practice (The Wildfowl & Wetlands Trust)
- ▶ Proceedings of the Waterfowl Information Network Conference 1999 (Wildlife Information Network)
- ▶ Waterfowl Management Guidelines (The Wildfowl & Wetlands Trust)
- ▶ Secretary of State's Standards for Modern Zoos (Department for Transport the Environment and the Regions)
- ▶ Swan Sanctuary Code Of Practice (The Swan Sanctuary)
- ▶ London Waterfowl Project FAQ's (Wildlife Information Network)
- ▶ Information is heavily inter-linked - for example connecting a species to management techniques, diseases and disease agents
- ▶ Information is fully referenced to an extensive collection of texts, journals, and sources of personal communications
- ▶ A Waterfowl Glossary has been provided, containing over 2,000 definitions
- ▶ The information can be found through several different navigation mechanisms
- ▶ Using Flowcharts imitating a normal thought process (e.g. Disease Investigation Treatment and Control, starting with History and Documentation and working through to Treatment and Control)
- ▶ Page Header Hierarchies are present on each page which indicate where you are within the system (e.g. Kingdom / Phylum / Class / Order / Family / Genus ...)
- ▶ Colour coding of pages and navigation boxes indicate which section you are viewing (e.g. a light green background indicates "Physical Factors", a lilac background is used for techniques within the "How to ..." section)
- ▶ "List pages" containing all the pages within a section, together with names and synonyms (e.g. all the diseases affecting waterfowl) enable you to use the normal "Find" function within your browser (e.g. Edit>Find at the top of the screen on the Internet Explorer menu)
- ▶ An on-line search mechanism is provided for the internet website which enables you to search the whole website for a particular word or phrase.



WILDPro®

will grow and grow

No. of Species now in WILDPro:

172	Waterfowl - (Ducks, Geese, Swans)
25	Viruses
56	Bacteria
19	Fungi
72	Roundworms, Flukes etc.
8	Leeches
52	Insects, Mites, Ticks
16	Protozoa
12	Plants

Mammals (and other birds, reptiles, etc. are on the way !



SAMPLE "Species" PAGES

Waterfowl - Northern pintail - *Anas acuta*
Waterfowl - Long-tailed duck - *Clanquula hyemalis*
Virus Family - *Herpesviridae*
Virus Type - *Duck Enteritis Virus*
Bacteria Genus - *Escherichia*
Bacteria Species - *Escherichia coli*
Fungus Genus - *Microsporium*
Fungus Species - *Microsporium gallinae*
Nematode Species - *Amidostomum anseris*
Leech Species - *Theromyzon tessulatum*
Invertebrate Species - *Cytoditus nudus*
Protozoa Genus - *Gonylaux*
Plant Species - *Hypericum perforatum*

No. of Diseases in WILDPro -- 215 Diseases of Waterfowl

SAMPLE "Disease" PAGES

Viral Disease - Duck Plague
Fungal/Algal Disease - Aspergillosis
Toxic Disease - Oiling
No. of Chemical Agents in WILDPro
40 Complex Chemicals
13 Metals / Minerals
20 Gross Nutrients, Vitamins etc.

SAMPLE "Chemical" PAGES

Complex Chemical - Aflatoxin
Metal / Mineral - Phosphorus (Elemental)
Vitamin - Vitamin K

No. of Physical Factors in WILDPro

40 Physical Factors causing disease in Waterfowl

SAMPLE "Physical" PAGES

Water - Salinity High
Food & Vegetation - Food Physically Inaccessible
Climate & Atmosphere - Electricity
Substrate & Physical Force - Soil & Mud

No. of Management Techniques in WILDPro

Three major FLOWCHARTS providing access to:

20 Techniques for *Bird Management and Husbandry*
51 Techniques for *Disease Investigation and Management*
12 Techniques for *Industries Managing Wetlands for Wildlife*

SAMPLE "HOW TO..." PAGES

FLOWCHART - Bird Husbandry and Management
General Technique - Accommodation Design
Individual Technique - Candling
FLOWCHART - Disease Investigation and Management
General Technique - Necropsy
Individual Technique - Pinning Waterfowl (Downies)

No. of References and Definitions in WILDPro

141 Texts
59 Journal titles

2089 Keyword definitions
19 Miscellaneous documents
3 Newsletter & Magazines
15 Personal communications
18 Conference & Workshop proceedings
3 Theses
4 Websites

SAMPLE "REFS & Gloss." PAGES

Text - B11 BSAVA Manual
Journal - J1 Journal of Wildlife Diseases
Document - D17 Practical Elephant Management
Website - W1 The Plants Database
Keyword - "eclipse"
Keyword - "metabolism"
Keyword - "plasma membrane"

New sections in **WILDPro** added on 22 December 2000 include:

1. **Field Manual of Wildlife Diseases** - General Field Procedure and Diseases of Birds (National Wildlife Health Center) - *Full text now available*
2. **FALCONIFORMES (Diurnal Birds of Prey)** - Management Guidelines for the Welfare of Zoo Animals (Federation of Zoological Gardens of Great Britain and Ireland)
- 3 **New outlines for Modules under construction:**
Nutrition of the Black rhinoceros
West Nile Virus
Oil Spill Response

For further details about **WIN** and **WILDPro**[®] please contact:

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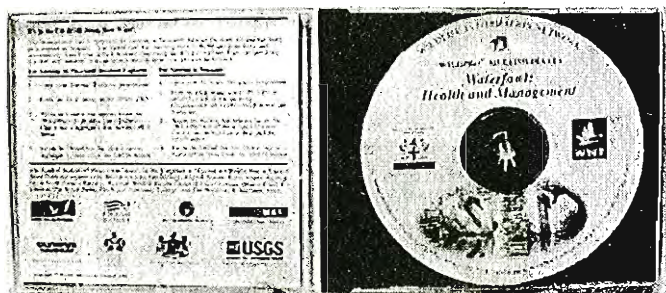


For further details about how to get your CD Rom and at least one year of free entrance to the complete website contact :

Sally Walker, Founder/Secretary
Zoo Outreach Organisation
79 Bharati Colony, Peelamedu, Coimbatore 641 004 TN
email is best : zooreach@vsnl.com

Send the following information :

Name:
Postal address:
Email address:
Amount of annual income:
Designation and abbreviated C.V.
Short essay about you stating
1) why you should be given a free CD and access
2) how will it benefit the zoo and wildlife community
We will try and make choices on the basis of need and service



WIN's Partnerships

WILDPro® is the data management system of the Wildlife Information Network, a UK Registered Charity (No. 1048059) and has been developed through a series of *partnerships* with a number of other organizations, particularly the **National Wildlife Health Center**, United States Geological Survey, US Dept of the Interior and the other organisations listed in the graphic to the right, as well as, many veterinarians from all over the world (including ZOO and South Asian veterinarians) who participated in a survey conducted by WIN to see what vets required to improve health care.

WIN's Objective

"To improve the welfare of individual captive and free-living wild animals and to contribute to the survival of endangered species by the sharing of veterinary and professional husbandry knowledge and information with wildlife professionals, both on-site and remote, using new Information Technology."

WIN's Activities

These include developing WILDPro® - an electronic encyclopaedia. Data, often widely fragmented and requiring time-consuming research, is entered onto the system on the health and management of wild animals and their habitats.

WIN's Service

Access to WILDPro® - an electronic encyclopaedia - is provided on the payment of a small subscription fee.

Individual Subscriber you will receive:

- 1 CD-ROM Module of your choice
- 2 Internet access for one year to the whole of the "on-line" WILDPro Website

Institutional Subscribers (multiple users) receive:

- 1 25 CD-ROMs of their choice
- 2 Multi-user access permissions for one year to the whole of the "on-line" WILDPro Website, with direct IP access available
- 3 2 CD-ROMs of each module produced during the year of membership
- 4 Automatic linkages will be offered from the Gateway to WILDPro to the Websites of Institutional Members

WHO is WIN for

WILDPro is designed to provide access to the *breath and depth* of information needed by wildlife professionals and decision-makers: If you fall into one of the following categories

WILDPro is for **YOU!**

- Ornithologist / Bird Watcher
- Interested in Natural History
- Field Biologist
- Zoologist
- Librarian
- Veterinary Nurse/Technician
- CITES Enforcement Officer
- Agronomist
- Development Project Manager
- Environment Officer
- Veterinarian
- "A" Level / Higher Student working on projects
- Veterinary / Zoology Student
- Zoo Director / Curator
- Animal Keeper
- Park Ranger
- Responsible for Fund-giving / Donations
- University Lecturer / Researcher
- Ecologist
- Sanctuary Manager

WILDPro links cross-disciplinary, published information relating to the health and management of wild animals and their habitats and provides wildlife professionals with information needed for decision-making through a structure imitating a normal "logical thought-process". The data provided is fully referenced. Information is provided in modules available both on the Web-site and as CD-ROMs. Although some information is provided as a public service, a small annual subscription fee will be charged for access to the main system in order to allow development and up-dating of the data content. This annual membership will entitle the subscriber to full access of the web-site AND a CD-ROM of their choice EACH and EVERY year. The subscriber will, in this way, build up a library of CD-ROMs in addition to having on-line access to the full current version of WILDPro

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Assisting Conservation

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CORPORATION
OF LONDON



British Trust for Ornithology



ENVIRONMENT AGENCY



ENGLISH
NATURE



Great North Eastern Railway



Mush Chimney Trust

OLYMPUS
CAMERAS



THE
ROYAL
PARKS



The Royal Veterinary College

USGS
United States Geological Survey



Wild and Wetlands Trust

All about WILDPro[®] ... the data management system of the Wildlife Information Network (WIN).

Data Structure

The information content of the whole WILDPro database is determined by the Modules we have under development (e.g. **Waterfowl, UK Wildlife, Large Carnivores, Elephants**). The data is stored in the following major colour-coded sections:

"Species"

This section includes information on species characteristics, natural history, behaviour, reproduction, distribution and the taxonomic relationships between species, and incorporates parasites, bacteria, plants and viruses. It contains numerous photographs and detailed information collated from multiple referenced sources.

Knowledge of species biology is essential to disease investigation and the management and care of animals. The occurrence and expression of a disease and the appropriate treatment and control measures may vary dramatically between different animal species. Whilst WILDPro contains reference to all "Kingdoms" of species: Animals, Plants, Bacteria, Fungi and Protozoa, detailed information is only available for species listed in the published modules, and those organisms that cause disease in the host species.

"Chemicals"

WILDPro include information on the nutrients, toxins and chemical substances which have a recognized impact on the host species for which WILDPro modules have been developed.

"Physical Factors"

Various Physical Factors are instrumental in providing an environment that will foster the development of disease and different physical factors directly causing disease are detailed in this section.

"Diseases"

This section currently includes information on the characteristics, epidemiology and control of diseases of importance in WILDPro Modules.

"Health & Management"

Incorporates descriptions of techniques and protocols needed for "Disease Investigation, Treatment and Control", "Group Management and Husbandry" and "Managing Wetlands for Industry".

Uses flowcharts to provide guidance on how to approach specific issues.

"Glossary & References"

Contains definitions of less-commonly used terms and details on the references used for building WILDPro.

It contains standard published guidelines and material from field guides.

Documents and Publications which the Wildlife Information Network has permission to distribute may be down-loaded, printed and distributed **Free of Charge**, providing:

- Reference (including contact details) is made to the authors/originators of any individual sections and to the Wildlife Information Network.
- The wording of documents and publications remain unaltered.
- The documents and publications are used for educational / scientific purposes.
- If documents or publications are passed onto other users, they are transferred **Free of Charge**

"Search & Help"

Contains advice on how to search using the WILDPro inbuilt search mechanisms on-line and the "Find..." function off-line provided in standard browser.

There is also a feedback form for users to send requests and suggestions directly to WIN and WIN's linked email address.

WILDPro[®]

