



Information Management for Private Practitioners – The Future

Antoinette Lourens

University of Pretoria

Academic Information Service

Service Unit : Veterinary Science

LHPG/EPG Congress, 17 – 21 July 2005

Why do we need information?


- **An organisation (practice) can only survive and flourish if it can be competitive**
- **Knowledge and information has become the key to competitiveness**
- **Information and communication technologies (ICT) help to develop productivity**
- **ICT help to sustain the development process.**
- **ICT an important factor in enabling the new means and methods of education training and learning.**


Why does the private practitioner need information?

- **He needs information :**
 - **To refresh his memory**
 - **To ensure optimal management of the practice.**
 - **To be kept up-to-date**
 - **For Continuing Professional Development**
 - **For post graduate studies**
 - **To help solve clients' questions or problems**
 - **For Continuing Education Courses**

Where do you get information?

- **While attached to Onderstepoort you had free and unlimited access to**
 - electronic databases
 - textbooks (28 000+)
 - journals
 - videos and other electronic media
 - lecturers
 - the library
 - electronic full-text journals 26 000 +

- 
- **When leaving Onderstepoort.**
 - **Maybe some textbooks**
 - **Private subscriptions to journals**
 - **JAVMA \$170.00**
 - **Veterinary Clinics of North America: Food Animal Practice \$160.00**
 - **Veterinary Clinics of North America: Equine Practice \$185.00**
 - **Equine Veterinary Journal £97.00.**



The solution : The *Internet*

- **Largest reference source**
- **Searching the Internet is easy**
- **Searching the Internet is very popular**

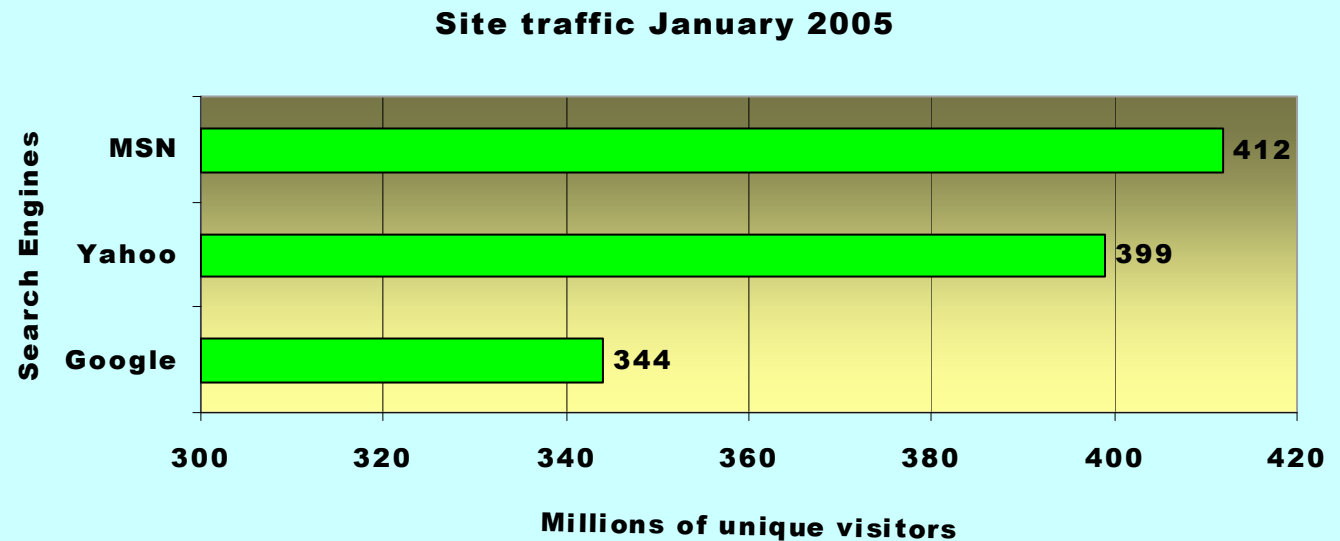


Information on the Internet

- **Search with the help of a search engine**
- **Search with the help of a meta search engine**
- **Make use of Subject Gateways or portals**
- **Journals' contents pages**
- **Listserv**
- **E-books**

4 Biggest search engines

- Google
- Ask Jeeves
- MSN
- Yahoo!





Meta search engines

- **A9.com** – search Google, Amazon and many more
- **Dogpile** – will soon search the above-mentioned big 4

An aerial photograph of a university campus. The main focus is a large, multi-story brick building with a green roof. To the left, there is a long, low building with a white roof, possibly a parking garage or a long classroom building. The campus is surrounded by green lawns and trees. In the foreground, a road with several cars is visible. The background shows more campus buildings and a large open field.

Internet searching tips

- **Know the search engine**
- **Streamline your search**
- **Check your spelling**
- **Use advanced search options**



Advanced Search

[Advanced Search Tips](#) | [About Google](#)

Find results

with **all** of the words

with the **exact phrase**

with **at least one** of the words

without the words

100 results

Language

Return pages written in

File Format

return results of the file format

Date

Return web pages updated in the

Occurrences

Return results where my terms occur

Domain

return results from the site or domain
e.g. google.com, .org [More info](#)

SafeSearch

No filtering Filter using [SafeSearch](#)

Page-Specific Search

Similar

Find pages similar to the page
e.g. www.google.com/help.html

Links

Find pages that link to the page

Topic-Specific Searches

[Google Print](#) - Search the full text of books
[Google Scholar](#) - Search scholarly papers

[Apple Macintosh](#) - Search for all things Mac
[BSD Unix](#) - Search web pages about the BSD operating system
[Linux](#) - Search all penguin-friendly pages



Google Help Center

[Google Home](#)

[About Google](#)

[Help Center](#)

[Basics of Search](#)

[Advanced Search](#)

[Search Results Page](#)

[Setting Preferences](#)

[Search Features](#)

Spell checker, stock quotes & more

[Services & Tools](#)

Local Search, Froogle, News & more

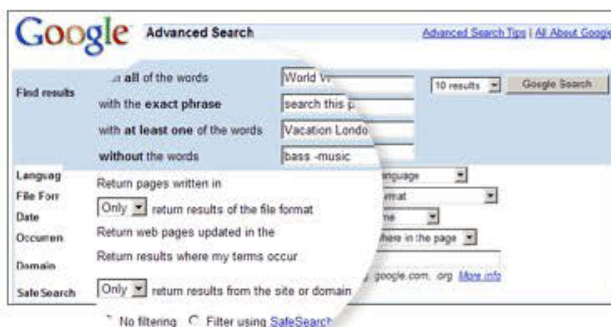
Find on this site:

Advanced Search Made Easy

Once you know the basics of Google search, you might want to try Advanced Search, which offers numerous options for making your searches more precise and getting more useful results.

You can reach this page by clicking (no surprise) the "[Advanced Search](#)" link on the Google home page.

Here's what the Advanced Search page looks like:



You can do a lot more with Google search than just typing in search terms. With Advanced Search, you can search only for pages:

- that contain ALL the search terms you type in
- that contain the exact phrase you type in
- that contain at least one of the words you type in
- that do NOT contain any of the words you type in
- written in a certain language
- created in a certain file format
- that have been updated within a certain period of time
- that contain numbers within a certain range
- within a certain domain, or website
- that don't contain "adult" material

Subject gateways or portals

1. FAO : (<http://www.fao.org>)
2. WHO : (<http://www.who.int>)
3. OIE : (<http://www.oie.int>)
4. IVIS : (<http://www.ivis.org>)
5. BIOME: Vetgate: (<http://vetgate.ac.uk>)
6. BIOME: Agrifor : (<http://agrifor.ac.uk>)
7. Consultant : (<http://www.vet.cornell.edu/consultant/consult.asp>)
8. Pubmed : (<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>)
9. Agricola : (<http://agricola.nal.usda.gov>)
10. NetVet : (<http://netvet.wustl.edu>)

1. FAO : (<http://www.fao.org>)

Food and Agriculture Organization of the United Nations - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address <http://www.fao.org/> Go Links

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
helping to build a world without hunger

العربية 中文 français español Search

What is FAO?
From the Director-General
Governing Bodies
Agriculture
Economics, Nutrition, Food Safety and Statistics
Fisheries
Forestry
Sustainable Development
Technical Cooperation
Programme and Budget; Evaluation
Legal Office
Decentralized Offices
Employment
Procurement Service
Interdisciplinary Activities: Trade, Biotechnology, Gender...
Statistical Databases
Country information
Virtual Library
Publications
more...

Newsroom
World tea production reaches new highs
Intergovernmental Group on Tea meets in Bali
Biotechnology in forestry gaining ground
FAO calls for systematic assessment of genetically modified trees
Codex adopts more than 20 food standards
Sets new guidelines on vitamin supplements; creates antimicrobial resistance taskforce
Achieving Millennium Development Goals requires increased funding
UN agencies call for more emphasis on agriculture and rural development
more news...

World Agricultural Information Centre
Tsunami
Progress since the World Food Summit
World Food Day
FAO Hunger Map
TeleFood
Feeding Minds Fighting Hunger

Selected Key Programmes
SPFS: Special Programme for Food Security
EMPRES: Emergency Prevention System for Transboundary Animal and Plant Pests and Diseases
GIEWS: Global Information and Early Warning System on Food and Agriculture
TCE: Emergency Relief and Rehabilitation

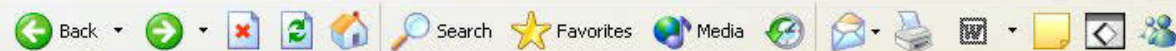
Current Special Initiatives
Current Desert Locust Situation
Avian Influenza Emergency
Small Island Developing States
Spearheading Regional Food Security
FAO Trust Fund for Food Security

International Partners
UN system Network on Rural Development and Food Security
Food Insecurity and Vulnerability Information and Mapping Systems
NGOs and civil society organizations
FAO and the Private Sector

Focus on the Issues
The long road to Codex food standards
Building back better in the tsunami zone
Millennium Development Goals
FAO: Serving its members
Meetings

Workers picking tea in Kenya where production increased by more than 11 percent in 2004
more photos...

start | 2 Windows... | 3 Microsoft... | Telnet 137.2... | Microsoft Po... | Food and Ag... | Jasc Paint 5... | Microsoft Ex... | 01:33 PM



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
helping to build a world without hunger

[العربية](#) [中文](#) [français](#) [español](#)


→ [Publications Catalogue](#)

FAOSTYLE

"State of..." Publications

FAO Catalogue

- Welcome
- Interactive catalogue
- Book Info
- General information
- Sales agents
- Bookfairs and Events
- Depository Libraries



FAO home

- Français
- Español

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
helping to build a world without hunger

Welcome to the FAO Publications Catalogue on-line!

This Catalogue presents all FAO titles currently available for sale in English, French and Spanish, published by or co-published with FAO. It includes books, periodicals, CD-ROMs and on-line data.

To browse the full Sales catalogue and order on-line, visit the [Interactive Catalogue](#)

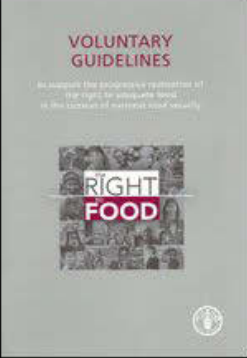
To check the most recent titles issued, see our bulletin [FAO-BookInfo](#).

In addition, FAO's general site contains other non-commercial documents. These can be found under the [FAO Corporate Document Repository](#)

All prices in this catalogue are shown in US dollars. Shipping costs are not included. FAO reserves the right to change prices without prior notice.

Last update: July 7, 2005

Featured titles:



Voluntary Guidelines to support the progressive realization of the right to adequate food in the context of national food security
 Rome, 2005, 44 pp.
 ISBN 92-5-105336-7
 \$12.00

The objective of the Voluntary Guidelines is to provide practical guidance to States in their implementation of the progressive realization of the right to adequate food in the national context of food security, in order to achieve the goals of the World Food Summit Plan of Action. They provide an additional instrument to combat hunger and poverty and to accelerate attainments of the Millennium Development Goals.

The Voluntary Guidelines, adopted by the FAO Council in November 2004, represent the first attempt by governments to interpret an economic, social and cultural right and to recommend actions to be undertaken for this realization. Moreover, they represent a step towards integrating human rights into the work of agencies dealing with food and agriculture.

[Click here to order on-line](#)

FAO
Catalogue

- Welcome
- Interactive catalogue
- Book Info
- General information
- Sales agents
- Bookfairs and Events
- Depository Libraries



FAO home

- Français
- Español



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

helping to build a world without hunger

FAO CORPORATE DOCUMENT REPOSITORY

Home [FAO Home](#) [WAICENT Portal](#)العربية [中文](#) [English](#) [Français](#) [Español](#)[Free text](#)[New documents](#)[Advanced search](#)[Help](#)

The **FAO Corporate Document Repository** houses FAO documents and publications, as well as selected non-FAO publications, in electronic format. It enables users to easily access the accumulated knowledge and information produced by FAO directly on the Internet.

The easiest way to search is to use the text box provided above in this page. To view the new publications added to the repository in the last month, see **new documents**.

Different types of searches are provided. Each set of results provides links to the full text documents.

- **The free text search** filters through the **contents** of all the files in the FAO Corporate Document Repository. A list of all documents in which the selected term appears will be produced.
- **The advanced search** provides the user with the means to carry out a specific search, by querying a particular field or combination of fields. There are three distinct advanced searches, one for **meeting documents**, one for **publications**, such as books and journals, and one for **articles**.



Most visited publications

- Fishing boat designs: 2V-bottom boats of planked and plywood construction**
- Understanding the codex alimentarius**
- Crop evapotranspiration - Guidelines for computing crop water requirements**
- Glossary of biotechnology and genetic engineering**


[Comments? Please write to the Webmaster](#)

©FAO 2004

Telnet 137.215.9.20

FAO Catalogue

- Welcome
- Interactive catalogue
- Book Info
- General information
- Sales agents
- Bookfairs and Events
- Depository Libraries



[FAO home](#)

- Français
- Español



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

helping to build a world without hunger

FAO CORPORATE DOCUMENT REPOSITORY

Home [FAO Home](#) [WAICENT Portal](#) العربية 中文 English Français Español
 Free text New documents Advanced search Help

Terms: **dairy farming**

Records found: 12

New Search

Rank ↓	Title →	Year →	Language	Details
→ ●●●●●	Guide to good dairy farming practice 2004	2004	EN	
●●●●	Economic sensitivity of dairy farming systems in the Dominican Republic		EN/FR/ES	
●●	Livestock in Mixed Farming Systems of the Hindu Kush-Himalayas	2000	EN	
●	An exploration of a Green Revolution in Sub-Saharan Africa		EN/FR/ES	
●	Experiences in dairy development <i>World Animal Review - 79</i>	1994	EN/FR/ES	
●	SIMPLE DECISION SUPPORT FOR FEED PLANNING		EN	
●	Site selection for Eucheuma spp. farming <i>Non serial publications - SF/WP/90/5</i>	1990	EN	
●	Multipurpose use of animals <i>World Animal Review - 86</i>	1996	EN/FR/ES	
●	50 Years <i>World Animal Review - 84/85</i>	1995	EN/FR/ES	
●	REVUE MONDIALE DE ZOOTECHNIE 93-1999/2 <i>World Animal Review - 93</i>	1999	EN/ES/FR	
●	Feed from animal wastes: feeding manual <i>FAO Animal Production and Health Papers - 28</i>	1984	EN	



- What is FAO?
- From the Director-General
- Governing Bodies
- Agriculture**
- Economics, Nutrition, Food Safety and Statistics
- Fisheries
- Forestry
- Sustainable Development
- Technical Cooperation
- Programme and Budget; Evaluation
- Legal Office
- Decentralized Offices
- Employment
- Procurement Service
- Interdisciplinary Activities: Trade, Biotechnology, Gender...
- Statistical Databases
- Country information
- Virtual Library
- Publications
- more...

- International Partners**
- UN system Network on Rural Development and Food Security
- Food Insecurity and Vulnerability Information and Mapping Systems
- NGOs and civil society organizations
- FAO and the Private Sector

Newsroom

World tea production reaches new highs
Intergovernmental Group on Tea meets in Bali

Biotechnology in forestry gaining ground
FAO calls for systematic assessment of genetically modified trees

Codex adopts more than 20 food standards
Sets new guidelines on vitamin supplements; creates antimicrobial resistance taskforce

Achieving Millennium Development Goals requires increased funding
UN agencies call for more emphasis on agriculture and rural development

more news...



Workers picking tea in Kenya where production increased by more than 11 percent in 2004

more photos...

Focus on the Issues

The long road to Codex food standards Building back better in the tsunami zone

Millennium Development Goals

FAO: Serving its members

Meetings

World Agricultural Information Centre



Tsunami



Progress since the World Food Summit



World Food Day



FAO Hunger Map



TeleFood



Feeding Minds Fighting Hunger



Selected Key Programmes

- SPFS:** Special Programme for Food Security
- EMPRES:** Emergency Prevention System for Transboundary Animal and Plant Pests and Diseases
- GIIEWS:** Global Information and Early Warning System on Food and Agriculture
- TCE:** Emergency Relief and Rehabilitation

Current Special Initiatives

- Current Desert Locust Situation**
- Avian Influenza Emergency**
- Small Island Developing States**
- Spearheading Regional Food Security**
- FAO Trust Fund for Food Security**



MAGAZINE

GUIDE

What's new...

Veterinary diagnostics. New on the website of our Animal Health Service is a user-friendly, interactive tool for training in the diagnosis of parasitic disease. It is intended primarily for those who teach parasitology to veterinary students, veterinary and laboratory technicians and extension workers in developing countries. [Take a look...](#)

Nuclear emergencies. In the event of a radiation emergency involving radioactive iodine, governments should consider halting local milk consumption, preventing cattle grazing on contaminated herbage, and housing animals that would normally graze outdoors. Those are some of the measures for nuclear emergency response recommended by the Joint FAO/IAEA Joint Division. [More...](#)

Genetic resources. The FAO Commission on Genetic Resources for Food and Agriculture announces that the first meeting of its Contact Group for the Drafting of the Standard Material Transfer Agreement will take place in Hammamet, Tunisia, from 18 to 22 July 2005. [See the meeting documents...](#)

Soil conservation. Our Land and Water Development Division has a new CD-ROM on methods and materials used for soil conservation. The manual summarizes factors that control soil erosion, and provides guidelines for selecting materials. It outlines a project cycle from feasibility, through investigation, design and construction to planned maintenance. [Order your copy...](#)

Farmers and markets. FAO's Agricultural Support Systems Division has assembled 24 case studies from 19 developing countries showing how farmers have linked up to markets

Spotlight

■ **Area-wide integrated pest management** While logistically complex and managerially intensive, the AW-IPM approach requires fewer inputs, and pest control is usually more effective and sustainable



■ **Farmers and supermarkets in Asia** The good news is that the region's rapidly expanding supermarket chains are particularly keen on selling fresh produce. The bad news is...

■ **Globalization and livestock** While market integration can increase national income and improve nutrition, it also "globalizes" potential threats to livelihoods, human health and the environment

■ **Securing the food chain** Food safety systems face unprecedented challenges arising from rapid urbanization, globalization of food trade and more intensive food production techniques



■ **Good agricultural practices and SARD** FAO's programmes for sustainable agriculture and rural development are responding to new challenges and targets

■ **After the tsunami** "Agricultural reconstruction will be a huge task - we are talking about damage to thousands of kilometres of coast and hundreds of small islands..."

■ **Water, food and ecosystems in Africa** "Agriculture and ecosystems are inherently linked: both use the same resources and are based on the same biological processes..."



■ Gateway

- ▶ COAG FAO Committee on Agriculture
- ▶ CGRFA Commission on genetic resources for food and agriculture
- ▶ AGA Animal production and health division
 - Animal health
 - Poverty alleviation
 - Livestock production ←
 - Livestock products
 - Genetic resources
 - Food safety
- ▶ AGE FAO/IAEA Joint division for nuclear techniques
 - Soil/water management, crop nutrition
 - Plant breeding and genetics
 - Animal production and health
 - Insect pest control
 - Food and environmental protection
- ▶ AGL Land and water development division
 - Land and plant nutrition
 - Water resources
- ▶ AGP Plant production and protection division
 - Crops and grassland
 - Plant protection
 - Seed and plant genetic resources
- ▶ AGS Agricultural support systems division
 - Agricultural marketing
 - Agricultural management
 - Rural finance
 - Farm power and equipment
 - Food and agricultural industries
 - Post harvest management

▶ Full AG site map

■ Featured sites

- ▶ FAO Priority areas for interdisciplinary action
 - Biotechnology
 - Biosecurity
 - Biological diversity
 - Integrated production systems
 - Organic agriculture



العربية • 中文 • español • français • italiano

Agriculture Department
Animal Production and Health Division

home programmes projects resources **subjects** commissions SEARCH



PRODUCTION

Subjects

Production

- Poultry
- Small Ruminants
- Large Ruminants
- General

Livestock are important in supporting the livelihoods of the poor throughout the developing world. They provide an appreciating asset, a source of income, food, insurance, as well as important farm inputs such as manure and draught power. Livestock provide high quality nutrients in meat, milk and eggs in areas where malnutrition is common. Livestock can provide employment and stimulate trade at all levels.

The growing demand for livestock products will stimulate livestock production which can, if well planned, contribute to poverty alleviation.

Improving productivity is the key to increasing livestock production in the developing world. This requires proper animal husbandry: feeding, housing, health and breeding practices. It is about processing and adding value to animal products that increase the returns to the producer and provides a safe product for the consumer. It requires conservation of animal genetic and other natural resources to ensure that development is environmentally friendly and socially acceptable and equitable.

These pages will provide access to relevant and up-to-date information on the technical and social aspects of livestock production in all the major agro-ecological zones and production systems. The emphasis however is on developing countries, the poor in particular, and the important role of livestock in improving livelihoods through poverty reduction and human nutrition.

Comments: AGA-Webmaster



العربية • 中文 • español • français

Agriculture Department Animal Production and Health Division

- home
- programmes
- projects
- resources**
- subjects
- commissions
- SEARCH



RESOURCES

In this section you will be able to find all the information accessible from the AGA website. From publications to software downloads, from manuals to databases, all easily reachable within a few mouse clicks.

Publications have been categorized to allow for quicker and easier browsing. We also list our publications and manuals currently only available as hard-copy, although we plan to have them available online soon. Keep checking our site!

Please be aware that the resource area is still under reorganization, therefore not all our publications are listed here.

- Resources**
- Publications
- Journal Articles
- Newsletters
- Factfiles Archive
- Multimedia
- Sound Bites
- Software Downloads
- Information Systems

Related Links

- [FAO Publications Catalogue](#)
- [FAOSTAT](#)
- [Virtual Library](#)
- [AGRI Publishing for People in Agriculture \(AGRIPPA\)](#)
- [International Portal on Food Safety, Animal & Plant Health \(IPFSAPH\)](#)

Comments: AGA-Webmaster



العربية • 中文 • español • français

Agriculture Department Animal Production and Health Division

- home
- programmes
- projects
- resources**
- subjects
- commissions
- SEARCH



PUBLICATIONS

- Resources
- Publications**
- Journal Articles
- Newsletters
- Factfiles Archive
- Multimedia
- Sound Bites
- Software Downloads
- Information Systems

Publications by Subject

→ Animal Health	Animal Production
Environment	Food and Feed Safety
Genetic Resources & Reproduction	Poverty Alleviation
Sector Analysis and Policy	Veterinary Public Health
Livestock & Gender	

Just Published

L'élevage et l'intégration régionale en Afrique de l'ouest
The Economics of Milk Production in Chiang Mai, Thailand, with particular Emphasis on Small-scale Producers

Comments: AGA-Webmaster



PUBLICATIONS ANIMAL HEALTH

P = Publication M = Manual WP = Working Paper Ec = eConference

Infectious diseases

Parasitic diseases

Trypanosomiasis

Epidemiology and economics

Veterinary services

Resources

Publications

- Animal Health
- Animal Production
- Environment
- Food and Feed Safety
- Genetic Resources & Reproduction
- Livestock and Gender
- Poverty Alleviation
- Sector Analysis and Policy
- Veterinary Public Health

Infectious Diseases

Year	Title	P	M	WP	Ec	PDF
2003	Guidelines for coordinated human and animal brucellosis surveillance	✓				
2003	Recognizing Rift Valley fever		✓			
2002	Preparation of foot-and-mouth contingency plans		✓			
2002	Preparation of Rift Valley fever contingency plans		✓			
2002	Preparation of contagious bovine pleuropneumonia contingency plans		✓			
2002	Recognizing contagious bovine pleuropneumonia (revised Edition)		✓			
2002	Reconnaître la péripneumonie contagieuse bovine		✓			
2002	Improved animal health for poverty reduction and sustainable livelihoods	✓				
2002	Manual on the diagnosis of Nipah Virus infection in animals		✓			
2001	Manual on procedures for disease eradication by stamping out		✓			
2001	Manual on the preparation of african swine fever contingency plans		✓			
2001	Controlling Newcastle disease in village chickens		✓			
2000	La maladie de Newcastle dans les élevages avicoles villageois		✓			
2000	Plan continental para la erradicación de la peste porcina clásica de las américas		✓			
2000	Recognizing african swine fever a field manual		✓			

2. WHO : (<http://www.who.int>)

WHO | World Health Organization - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address <http://www.who.int/en/> Go Links

عربي 中文 English Français Русский Español

World Health Organization Search

Home 14 July 2005

About WHO
Countries
Health topics
Publications
Research tools
WHO sites

Feature
[Great expectations interactive feature](#)

Ask the expert
[How safe is traditional medicine?](#)

DONATE

[MAKE A DONATION](#)
[Make every mother and child count](#)

DISEASE OUTBREAKS

Marburg haemorrhagic fever
Angola - update 23
[Full text](#)

Cholera
Senegal - update 6
[Full text](#)

[Disease outbreak news](#)

EMERGENCIES

Sudan
[Health is key to peace](#)

Chad
[Crisis coverage](#)

[Health action in crises](#)

GENERAL WHO INFORMATION

[Media centre](#)

Controlling Marburg in Angola - a photo essay
14 July 2005 -- This photo essay shows how the outbreak of Marburg haemorrhagic fever in Angola is being contained. Control of the deadly disease has been possible through the early identification and isolation of people with Marburg, and through campaigns aimed at raising awareness among the local communities.
[Photo essay](#) | [Marburg haemorrhagic fever](#)

Codex adopts more than 20 food standards
12 July 2005 -- During its annual meeting, the Codex Alimentarius Commission adopted more than 20 new and amended food standards. The food standards body also set new guidelines on vitamin and mineral food supplements, and created a task force aimed at minimizing antimicrobial resistance.
[Note for the media](#) | [Codex Alimentarius Commission](#) | [Food safety](#)

Climate
 [Climate change and health](#)

HIV/AIDS
 [3 by 5 Initiative](#)

Influenza
 [WHO Global Influenza Programme](#)

start | 2 Windows... | 3 Microsoft... | Telnet 137.2... | Microsoft Po... | 2 Internet ... | Jasc Paint S... | Microsoft Ex... | 02:20 PM



World Health Organization

Search

Home

WHO

About WHO

Countries

Health topics

Publications

Research tools

WHO sites

Research tools

Library database (WHOLIS)

WHOLIS is the World Health Organization library database available on the web. WHOLIS indexes all WHO publications from 1948 onwards and articles from WHO-produced journals and technical documents from 1985 to the present. An on-site card catalogue provides access to the pre-1986 technical documents.

[Library database \(WHOLIS\)](#)

A guide to statistical information at WHO (WHOSIS)

A guide to epidemiological and statistical information available from WHO. Most WHO technical programmes develop health-related epidemiological and statistical information which they make available on the WHO website. The WHOSIS will help you to find it.

- [WHOSIS](#)
- [Burden of disease statistics](#)
- [WHO mortality database](#)
- [Statistical annexes of the World Health Report](#)
- [Statistics by disease or condition](#)
- [Health personnel](#)
- [External sources for health-related statistical information](#)

WHO family of international classifications

- [The international statistical classification of diseases](#)
- [International classification of functioning, disability and health](#)
- [Disability assessment schedule II \(WHODAS II\)](#)

Geographical information tools

- [Communicable disease surveillance and response: public health mapping](#)
- [Evidence and information for health policy: GIS](#)
- [Global atlas of infectious diseases](#)
- [PAHO/AMRO SIG-Epi](#)
- [Vaccines and biologicals](#)

Media centre

- [Multimedia Page: audio, video, photos](#)

WHO collaborating centres

- [WHO collaborating centres database](#)

DONATE



MAKE A DONATION

[Make every mother and child count](#)

DISEASE OUTBREAKS

Marburg haemorrhagic fever
Angola - update 23
[Full text](#)

Cholera
Senegal - update 6
[Full text](#)

[Disease outbreak news](#)

EMERGENCIES

Sudan
[Health is key to peace](#)

Chad
[Crisis coverage](#)

[Health action in crises](#)

GENERAL WHO INFORMATION

[Media centre](#)

B

- [Biodiversity](#)
see [Ecosystem](#)
- [Biological medicines](#)
see [Pharmaceutical products](#)
- [Biological weapons](#)
- [Biomedical technology](#)
- [Biosafety](#)
see [Containment of biohazards](#)
- [Bioterrorism](#)
- [Blindness](#)
- [Blood safety](#)
see also [Blood transfusion](#)
- [Blood transfusion](#)
- [Bovine spongiform encephalopathy](#)
see [Encephalopathy, Bovine spongiform](#)
- [Breastfeeding](#)
- [Brucellosis](#)
- [BSE](#)
see [Encephalopathy, Bovine spongiform](#)
- [Burden of disease](#)
see [Global burden of disease](#)
- [Buruli ulcer](#)
see [Mycobacterium ulcerans](#)

[Back to top](#)

[Back to top](#)

C

- [Campylobacter](#)
- [Cancer](#)
see also [Skin cancer](#)
- [Cardiovascular diseases](#)
- [Cataract](#)
- [Cellular phone](#)
- [Cerebrovascular accident, stroke](#)
- [Cervical cancer](#)
see [Cancer](#)
- [Chagas disease](#)
- [Chemical safety](#)
- [Chemical weapons](#)
- [Chickenpox](#)
- [Child abuse](#)
- [Child development](#)
- [Child health](#)
- [Childbirth](#)
see [Labour](#)
- [Cholera](#)
- [Chronic disease](#)

[Health action in crises](#)

GENERAL WHO INFORMATION

[Media centre](#)
News, events, fact sheets, contacts, and multimedia.

[Director-General's office](#)
Biography of the Director-General, major speeches, and biographies of Assistant Directors-General.

[Governance](#)
WHO Constitution, policy documentation, and Executive Board and World Health Assembly resolutions and records.

[Travellers' health](#)
Vaccination requirements, travel risks and precautions.

World Health Organization

 Search

WHO > [Health topics](#)

Encephalopathy, Bovine spongiform

This page provides links to descriptions of activities, reports, news and events, as well as contacts and cooperating partners in the various WHO programmes and offices working on this topic. Also shown are links to related web sites and topics.

MeSH scope note: A transmissible spongiform encephalopathy of cattle associated with abnormal prion proteins in the brain. Affected animals develop excitability and salivation followed by ATAXIA. This disorder has been associated with consumption of SCRAPIE infected ruminant derived protein. This condition may be transmitted to humans, where it is referred to as variant or new variant CREUTZFELDT-JAKOB SYNDROME. (Vet Rec 1998 Jul 25;143(41):101-5)

FACT SHEETS

- - [Bovine spongiform encephalopathy \(BSE\)](#)

RELATED LINKS

- [Zoonoses: bovine spongiform encephalopathy \(BSE\)](#)

DONATE



MAKE A DONATION

[Make every mother and child count](#)

DISEASE OUTBREAKS

Marburg haemorrhagic fever
Angola - update 23
[Full text](#)

Cholera
Senegal - update 6
[Full text](#)

[Disease outbreak news](#)

EMERGENCIES

Sudan
[Health is key to peace](#)

Chad
[Crisis coverage](#)

[Health action in crises](#)

GENERAL WHO INFORMATION


3. OIE : (<http://www.oie.int>)

OIE Home page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address http://www.oie.int/eng/en_index.htm Go Links



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

[Español](#) | [Français](#)

- Site map
- Search for [Help](#)
- The OIE
- The Veterinary Services
- Press releases/Editorials
- International meetings
- World animal health situation
- Official animal health status
- Animal diseases data
- OIE Expertise
- Certification of Diagnosis Assays
- Health standards
- OIE Publications
- Jobs/Internships/Services
- Links

<http://www.oie.int>
Copyright © 2005 OIE
office internationale des épizooties

Editorial Director: Dr. Vallat

Alerts - Disease Information

[Ajur](#)

1 July 2005
[Update on avian influenza in animals in Asia](#)

8 July 2005
[Animal health news for the week](#)

Highlights

13/07/05 [The new presentation film is on line](#)

07/07/05 [International OIE/WHO/FAO conference in Kuala Lumpur draws up strategy to fight avian influenza](#)

04/07/05 [Avian influenza crisis in Asia: animal health issues need more attention](#)

04/07/05 [International Conference on rabies - Kiev, Ukraine 15-18 June 2005](#)

09/06/05 [Anthrax in Guinea Bissau: the OIE responds to the call for assistance](#)


02/06/05 [New OIE standards for BSE, AI and animal welfare](#)

[previous press releases ...](#)

Events - OIE Conferences



12th International Symposium
of the WVAI D



28th WORLD VETERINARY CONGRESS
Mississippi (USA): 16-20 July 2005
OIE SEMINAR

OIE Seminar: Challenges in responding to new
international and social demands on the veterinary
profession

Editorial from the Director General



[The OIE Fourth Strategic Plan:
An ambitious programme for the next five years](#)

Firstly I want to extend my warmest thanks to all the OIE Member Countries which, in May 2005, showed their continuing and large confidence in me by re-electing me to head the Organisation for a further five years.

This is a great honour and, during this new term of office, I shall do my utmost to further the OIE's development and to enhance its authority and visibility, spurred on by the noble ambition of improving animal health and its benefits for public health, poverty alleviation and animal welfare world wide.

Focus on...

- Influenza in animals:
[Equine influenza](#): Conclusions and recommendations from the 2005 meeting of the Expert Surveillance Panel on Equine Influenza Vaccines
[Avian influenza](#): methods for the disease control

- Animal welfare
- Food safety

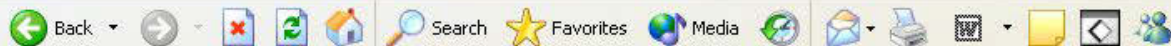
The OIE in images

- OIE overview video
- Photo gallery

Just published

- [WHO/FAO/OIE Guidelines for the surveillance, prevention and control](#)

start | 2 Windows... | 3 Microsoft... | Telnet 137.2... | Microsoft Po... | 2 Internet ... | Jasc Paint 5... | Microsoft Ex... | 03:35 PM

Search for [Help](#)

Press Releases

[\[Français\]](#) [\[Español\]](#)

Updated : 08-Jul-2005

■ Site Map

The OIE
The Veterinary Services
Press releases/Editorials
International meetings
World animal health situation
Official animal health status
Animal diseases data
OIE Expertise
Certification of Diagnosis Assays
Health standards
OIE Publications
Jobs/Internships/Services
Links

Copyright © 2005 OIE
World Organisation
for Animal Health
<http://www.oie.int/>

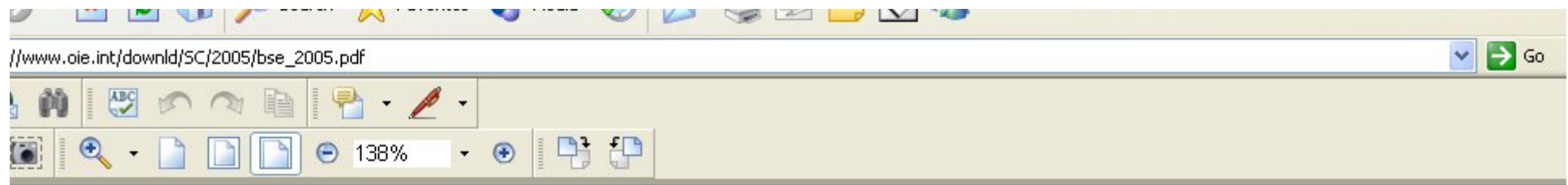
New standards on bovine spongiform encephalopathy, avian influenza and animal welfare - Unofficial versions

During the 73rd General Session (the General Assembly of OIE Member Countries), several significant changes were adopted for many *Terrestrial Animal Health Code* Chapters (*Terrestrial Code*), but the most important concern the new versions of the chapters on Bovine Spongiform Encephalopathy (BSE), Avian Influenza (AI) and Animal Welfare, listed below. The complete and final version of the 2005 *Terrestrial Animal Health Code* will be published shortly, in the three official languages, on the web page under [Health Standards](#).

- [Bovine spongiform encephalopathy](#)
- [Avian influenza](#)
- [Animal welfare](#)

June 2005

[\[top\]](#)Contact : [Maria Zampaglione](#)



CHAPTER 2.3.13.

BOVINE SPONGIFORM ENCEPHALOPATHY

Article 2.3.13.1.

The recommendations in this Chapter are intended to manage the human and animal health risks associated with the presence of the bovine spongiform encephalopathy (BSE) agent in cattle (*Bos taurus* and *B. indicus*) only.

- 1) When authorising import or transit of the following *commodities* and any products made from these *commodities* and containing no other tissues from cattle, *Veterinary Administrations* should not require any BSE related conditions, regardless of the BSE risk status of the cattle population of the *exporting country, zone or compartment*.
 - a) *milk and milk products;*
 - b) *semen and in vivo derived cattle embryos collected and handled in accordance with the recommendations of the International Embryo Transfer Society;*

- Animal diseases data
- OIE Expertise
- Certification of Diagnosis Assays
- Health standards
- OIE Publications
- Jobs/Internships/Services
- Links

<http://www.oie.int/>
 Copyright © 2005 OIE
 office internationale des épizooties

Editorial Director: Dr. Vallat

- 04/07/05 [Avian influenza crisis in Asia: animal health issues need more attention](#)
 - 04/07/05 [International Conference on rabies - Kiev, Ukraine 15-18 June 2005](#)
 - 09/06/05 [Anthrax in Guinea Bissau: the OIE responds to the call for assistance](#)
 - 02/06/05 [New OIE standards for BSE, AI and animal welfare](#)
- [previous press releases ...](#)

Events - OIE Conferences



12th International Symposium
 of the WAVLD
 7th OIE Seminar on biotechnology
 Montevideo (Uruguay),
 November 2005



OIE Seminar: Challenges in responding to new
 international and social demands on the veterinary
 profession
 Minneapolis
 Minnesota USA
 16-20/07/2005

its benefits for public health, poverty alleviation and animal welfare world wide.

Focus on...

- Influenza in animals:
 - [Equine influenza](#): Conclusions and recommendations from the 2005 meeting of the Expert Surveillance Panel on Equine Influenza Vaccines
 - [Avian influenza](#): methods for the disease control

- Animal welfare
- Food safety

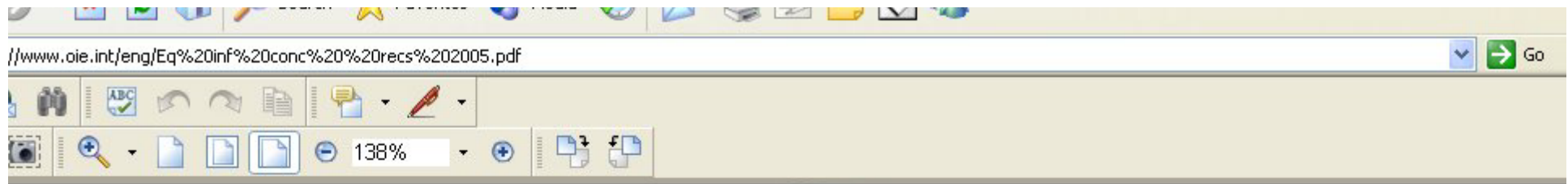


The OIE in images

- [OIE overview video](#)
- [Photo gallery](#)

Just published

- [WHO/FAO/OIE Guidelines for the surveillance, prevention and control of taeniosis/cysticercosis](#), by K.D. Murrell et al.
- [Plurithematic issue of the Scientific and Technical Review, Volume 23 \(3\), December 2004](#)
- [Emerging zoonoses and pathogens of public health concerns](#), L.J. King, ed., *Scientific and Technical Review*, Volume 23 (2), August 2004
- [Livestock Trypanosomoses and their Vectors in Latin America](#), by Marc Desquesnes, 2004
- [Historical perspective of Rabies in Europe and the Mediterranean Basin, 2004](#)
- [Terrestrial Animal Health Code, Edition 2004](#)
- [World Animal Health in 2003](#)
- [Manual of Diagnostic Tests and Vaccines for Terrestrial animals, 2004, 5th Edition](#)



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

Conclusions and recommendations from the 2005 meeting of the Expert Surveillance Panel on Equine Influenza Vaccines

These recommendations were made following a meeting, which was held on 1 April 2005, of the Expert Surveillance Panel on Equine Influenza Vaccines and relate to the composition of vaccines for 2005 and beyond.

Influenza activity in 2004

Outbreaks of equine influenza in Argentina, Canada, Croatia, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Sweden, the UK and the USA were reported during 2004. The outbreak that occurred during February and March in France was widespread and affected

ses data

of Diagnosis Assays

ords

ns

hips/Services

www.oie.int/
© 2005 OIE
nal des épizooties

ector: Dr Vallat

04/07/05 [Avian influenza crisis in Asia: animal health issues need more attention](#)

04/07/05 [International Conference on rabies - Kiev, Ukraine 15-18 June 2005](#)

09/06/05 [Anthrax in Guinea Bissau: the OIE responds to the call for assistance](#)

02/06/05 [New OIE standards for BSE, AI and animal welfare](#)

[previous press releases](#)

Events - OIE Conferences



12th International Symposium
of the WAVLD
[7th OIE Seminar on biotechnology](#)
Montevideo (Uruguay),
November 2005



[OIE Seminar: Challenges in responding to new international and social demands on the veterinary profession](#)
Minneapolis
Minnesota USA
16-20/07/2005

its benefits for public health, poverty alleviation and animal welfare wide.

Focus on...

- [Influenza in animals:](#)

[Equine influenza:](#) Conclusions and recommendations from the 2005 meeting of the Expert Surveillance Panel on Equine Influenza Vaccines

[Avian influenza:](#) methods for the disease control

- [Animal welfare](#)
- [Food safety](#)



The OIE in images

- [OIE overview video](#)
- [Photo gallery](#)

Just published

- [WHO/FAO/OIE Guidelines for the surveillance, prevention of taeniosis/cysticercosis](#), by K.D. Murrell et al.
- [Plurithematic issue of the Scientific and Technical Review 23 \(3\), December 2004](#)
- [Emerging zoonoses and pathogens of public health concern](#), King, ed., *Scientific and Technical Review, Volume 23 (3) 2004*
- [Livestock Trypanosomoses and their Vectors in Latin America](#), Marc Desquesnes, 2004
- [Historical perspective of Rabies in Europe and the Mediterranean Basin](#), 2004
- [Terrestrial Animal Health Code, Edition 2004](#)
- [World Animal Health in 2003](#)
- [Manual of Diagnostic Tests and Vaccines for Terrestrial Animals](#), 2004, 5th Edition



Terrestrial Animal Health Code

It is imperative that all concerned with international trade in animals and animal products... be required to not only possess a copy of this invaluable guide, but also to understand the regulations and follow them to augment risk-free international trade. Indian Veterinary Journal

The aim of the *Terrestrial Animal Health Code* (hereafter referred to as the *Terrestrial Code*) is to assure the sanitary safety of international trade in terrestrial animals and their products. This is achieved through the detailing of health measures to be used by the veterinary authorities of importing and exporting countries to avoid the transfer of agents pathogenic for animals or humans, while avoiding unjustified sanitary barriers.

The health measures in the *Terrestrial Code* (in the form of standards, guidelines and recommendations) have been formally adopted by the OIE International Committee, the general assembly of all Delegates of OIE Member Countries. This 13th edition incorporates the modifications to the *Terrestrial Code* agreed during the 72nd General Session in May 2004. These include revised chapters and appendices on: general definitions, OIE listed diseases, notification and epidemiological information, obligations and ethics in international trade, evaluation of Veterinary Services, zoning and compartmentalisation, guidelines for reaching a judgement of equivalence of sanitary measures, foot and mouth disease, highly pathogenic avian influenza, rinderpest, contagious bovine pleuropneumonia, rabies, bovine spongiform encephalitis, swine vesicular disease, vesicular stomatitis of horses, African foot-and-mouth disease, and

ethical rules for international trade and certification, the principles of import risk analysis, and the organisation of import and export procedures.

In Part 2 the measures recommended in the *Terrestrial Code* cover the 'priority' diseases for international trade (OIE List), and take into account the wide range of animal disease situations which may prevail in Member Countries.

The appendices of the *Terrestrial Code* provide a series of recommendations, particularly those devoted to the hygienic collection and handling of semen and embryos, sanitation of hatcheries and incubators, and transport of animals. They also include standards for the epidemiological surveillance of certain animal diseases.

In addition, a series of model international veterinary certificates is presented, to assist in harmonisation.

A users' guide is available.

The *Terrestrial Code* is published annually in paper form in the three official OIE languages (English, French and Spanish), and in Russian, and the contents of the latest version of the *Terrestrial Code* are available on the OIE Web site in [Web format](#). ←

Terrestrial Code

13th Edition, 2004

29.7 x 21 cm

ISBN: 92-9044-606-4

Ref: A 126

Price: 55 euros



Search for

[Help](#)

Health st

[Español](#)

Terrestrial Animal Health Code (2004)

Contents

PART 1.

GENERAL PROVISIONS

<u>SECTION 1.1.</u>	GENERAL DEFINITIONS AND NOTIFICATION OF ANIMAL DISEASES
<u>CHAPTER 1.1.1.</u>	General definitions
→ <u>CHAPTER 1.1.2.</u>	Notification and epidemiological information
<u>SECTION 1.2.</u>	OBLIGATIONS AND ETHICS IN INTERNATIONAL TRADE
<u>CHAPTER 1.2.1.</u>	General obligations
<u>CHAPTER 1.2.2.</u>	Certification procedures
<u>SECTION 1.3.</u>	RISK ANALYSIS
<u>CHAPTER 1.3.1.</u>	General considerations
<u>CHAPTER 1.3.2.</u>	Guidelines for import risk analysis
<u>CHAPTER 1.3.3.</u>	Evaluation of Veterinary Services
<u>CHAPTER 1.3.4.</u>	Guidelines for the evaluation of Veterinary Services
<u>CHAPTER 1.3.5.</u>	Zoning, regionalisation and compartmentalisation
<u>CHAPTER 1.3.6.</u>	Surveillance and monitoring of animal health



Search for [Help](#)

Health standards

[\[Français\]](#) [\[Español\]](#)

■ [Site Map](#)

- The OIE
- The Veterinary Services
- Press releases/Editorials
- International meetings
- World animal health situation
- Official animal health status
- Animal diseases data
- OIE Expertise
- Certification of Diagnosis Assays
- Health standards
- OIE Publications
- Jobs/Internships/Services
- Links

Updated: 06.09.04

[Terrestrial Animal Health Code - 2004](#)

 [PART 1.](#)

 [SECTION 1.1.](#)

 [CHAPTER 1.1.2.](#)

 [Contents](#)
[? - Index](#)

CHAPTER 1.1.2.
**NOTIFICATION AND
 EPIDEMIOLOGICAL INFORMATION**

Article 1.1.2.1.

For the purposes of this *Terrestrial Code* and in terms of Articles 5, 9 and 10 of the Statutes, every Member Country of the OIE shall recognise the right of the *Central Bureau* to communicate directly with the *Veterinary Administration* of its territory or territories.

All *notifications* and all information sent by the OIE to the *Veterinary Administration* shall be regarded as having been sent to the country concerned and all *notifications* and all information sent to the OIE by the *Veterinary Administration* shall be regarded as having been sent by the country concerned.

Article 1.1.2.2.

1. Countries shall make available to other countries, through the OIE, whatever information is necessary to minimise the spread of important animal *diseases* and to assist in achieving better worldwide control of these *diseases*.
2. To achieve this, countries shall comply with the *notification* requirements specified in Article 1.1.2.3.
3. To assist in the clear and concise exchange of information, reports shall conform as closely as possible to the official OIE *disease* reporting format.
4. Recognising that scientific knowledge concerning the relationship between *disease* agents and *disease* is constantly developing and that the presence of an infectious agent does not necessarily imply the presence of a *disease*, countries shall ensure through their *notification* procedures that they comply with the spirit and intention of paragraph 1 above.

4. IVIS : (<http://www.ivis.org>)

International Veterinary Information Service - Log-in Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://www.ivis.org/> Go Links

IVIS

International Veterinary Information Service

Your e-mail address

Your password

Leading the way in providing veterinary information.

[Click here](#) to learn more about IVIS.
Contact IVIS at info@ivis.org
[Privacy policy](#)

Mission Statement

International Veterinary Information Service (IVIS) is a not-for-profit organization established to provide information to veterinarians, veterinary students and animal health professionals worldwide using Internet technology. The IVIS website provides **free** access to original, up-to-date publications organized in electronic books each edited by highly qualified editors, proceedings of veterinary meetings, short courses, continuing education (lecture notes, manuals, autotutorials and interactive websites), an international calendar of veterinary events and much more with the help of private and corporate sponsors.

(2) Windows Explorer

start 2 Windows... 3 Microsoft... Telnet 137.2... Microsoft Pa... 2 Internet ... Jasc Paint 5... Microsoft Ex... 03:52 PM



HOME



[Recent Additions](#) | [Drug Database](#) | [PubMed Abstracts](#) | [Bookstore](#) | [Testimonials](#)
[Update Registration or Email](#) | [Newsletter](#) | [Contenido en Español](#) | [IVIS Sponsors](#)

[Ithaca NY, Jul 14, 2005](#) - The following publications have been added to the IVIS Library :
[Monocytes: Overview, Quantity, Morphology](#) by A.H. Rebar, P.S. MacWilliams, B.F. Feldman, F.L. Metzger, R.V.H. Pollock, J. Roche - [Annual Convention of the AAEP - Baltimore, MD - 1998](#) . -

[WSAVA, July 12, 2005](#) - The WSAVA Monthly Newsletter for July reports the WSAVA adoption of a Dangerous Pet Policy and provides a link to the AAHA access point for their guidelines on the care of senior and aged dogs and cats. In Memoriam - Mr. Ken G. D. Evans, MRCVS. Also, the 31st WSAVA Congress will take place in Prague, Czech Republic, in October 11 - 14, 2006.

[WSAVA, June 30, 2005](#) - The WSAVA Monthly Newsletter for June reviews the events and awards of the 30th Annual WSAVA Congress, which was held in May 2005 in Mexico City. Over 2800 delegates attended lectures provided by 110 invited speakers. The newsletter also profiles the winners of the WSAVA Waltham International Scientific Achievement Award and Service to the Profession Award, WSAVA Hills Excellence in Veterinary Healthcare Award, and WSAVA Iams Saki Patsaama Award. The 31st WSAVA Congress will take place in Prague, Czech Republic, in October 11 - 14, 2006.

[Ithaca NY, Jun 30, 2005](#) - Upcoming Events - The 3rd World Equine Airways Symposium (WEAS) will be held at the Cornell University, Ithaca NY on July 20 - 22, 2005. The WEAS organizing committee has put together an exclusive program where world-renowned scientists will present state of the art of basic and applied clinical research. If you are interested in attending the 2005 WEAS Symposium, visit the website at www.vet.cornell.edu/weas/ .



International Veterinary Information Service

- Home
- Search
- Library
- IVIS News
- Sponsors
- Authors
- About IVIS
- Help
- Contact
- Privacy
- Log-out

LIBRARY

- **IVIS Books**
Full-featured veterinary books, manuals and collections of state-of-the art reviews within specific areas of veterinary medicine
- **Proceedings**
Proceedings of veterinary meetings and symposia and other on-line proceedings
- **IVIS Reviews in Veterinary Medicine**
In-depth medical review articles in veterinary medicine
- **Continuing Education in Veterinary Education**
Autotutorial and continuing education websites, lecture notes and proceedings of short courses, short communications and web-based professional manuals
- **PubMed Abstracts**
Grid of preset search parameters organized by journal and animal grouping
- **IVIS Bookstore Program**
Purchase veterinary books on-line and support the IVIS initiative
- **Calendar of Events**
List of veterinary meetings and short courses
- **IVIS Classified Ads, Career and Work Opportunities**
Search or post employment and educational opportunities
- **External Links**
Links to useful websites related to veterinary medicine
- **IVIS Newsletters**
Past and present numbers of the IVIS Newsletter

TOP

Leading the way in providing veterinary information





International Veterinary Information Service

- Home
- Search
- Library
- IVIS News
- Sponsors
- Authors
- About IVIS
- Help
- Contact
- Privacy
- Log-out

IVIS BOOKS

Books

All Species | Avian | Bovine | Companion Animals | Equine | Exotics and Zoo Species | Porcine | Small Ruminants and Camelids

TIP : Click on a species name to go to the list of books for that species or open the table of contents of a book by clicking on the title of the book.

All Species

- Veterinary Toxicology (Last updated: 9-Aug-99)
V. Beasley
- A Concise Review of Veterinary Virology (Last updated: 9-Jun-05)
G.R. Carter, D.J. Wise and E.F. Flores
- MIS Veterinary Drug Database (Last updated: 28-Apr-05)
MIS
- A Guide to Plant Poisoning of Animals in North America (Last updated: 7-May-04)
A.P. Knight and R.G. Walter
- Laboratory Animal Medicine and Management (Last updated: 01-Jun-05)
J.D. Reuter and M.A. Suckow

Avian

- Recent Advances in Veterinary Anesthesia and Analgesia: Companion Animals (Last updated: 18-Jul-02)
R.D. Gleed and J.W. Ludders
- Recent Advances in Avian Infectious Diseases (Last updated: 25-Sep-03)
K.S. Kearns and B. Loudis

Bovine

- Topics in Bull Fertility (Last updated: 7-Nov-01)
P.J. Chenoweth
- Recent Advances in Anesthetic Management of Large Domestic Animals (Last updated: 23-May-05)
F.P. O'Grady



G.R. Carter and P.A. Payne

- [Recent Advances in Small Animal Reproduction \(Last updated: 25-Apr-05\)](#)
P.W. Concannon, G.C.W. England, J. Versteegen and C. Linde-Forsberg
- [Recent Advances in Veterinary Anesthesia and Analgesia: Companion Animals \(Last updated: 18-Jul-02\)](#)
R.D. Gleed and J.W. Ludders
- [Recent Advances in Companion Animal Behavior Problems \(Last updated: 23-Dec-01\)](#)
K.A. Houpt
- [Textbook of Small Animal Orthopaedics \(Last updated: June 1985\)](#)
C.D. Newton and D.M. Nunamaker
- [A Guide to Hematology in Dogs and Cats \(Last updated: 17-Jun-05\)](#)
A.H. Rebar, P.S. MacWilliams, B.F. Feldman, F.L. Metzger, R.V.H. Pollock and J. Roche
- [Braund's Clinical Neurology in Small Animals - Localization, Diagnosis and Treatment \(Last updated: 8-Feb-05\)](#)
C.H. Vite

◆ **Equine**

- [Recent Advances in Equine Reproduction \(Last updated: 20-Dec-04\)](#)
B.A. Ball
- [Companion and Exotic Animal Parasitology \(Last updated: 17-Oct-03\)](#)
D.D. Bowman
- [Recent Advances in Companion Animal Behavior Problems \(Last updated: 23-Dec-01\)](#)
K.A. Houpt
- [Equine Respiratory Diseases \(Last updated: 22-Apr-05\)](#)
P. Lekeux
- [Veterinary Care of Donkeys \(Last updated: 11-May-05\)](#)
N.S. Matthews and T.S. Taylor
- [Recent Advances in Equine Nutrition \(Last updated: 8-Nov-01\)](#)
S. Ralston and H.F. Hintz
- [Recent Advances in Anesthetic Management of Large Domestic Animals \(Last updated: 23-May-05\)](#)
E.P. Steffey
- [Recent Advances in Equine Neonatal Care \(Last updated: 10-Mar-03\)](#)
P.A. Wilkins
- [Recent Advances in Laparoscopy and Thoracoscopy \(Last updated: 23-May-03\)](#)
D. G. Wilson

◆ **Exotics and Zoo Species**



ADVANCES

Recent Advances in Anesthetic Management of Large Domestic Animals

Steffey E.P. (Ed.)

Department of Surgical and Radiological Sciences, School of Veterinary Medicine, University of California, Davis, CA, USA.

- ▶ Anesthetic Management of Cattle
T. W. Riebold (Last Updated: 15-Feb-2001)
- ▶ Anesthetic Management of the Horse: Intravenous Anesthesia in English, en español
K. R. Mama (Last Updated: 31-Oct-2000)
- ▶ Anesthetic Management of the Horse: Inhalation Anesthesia
P. W. Kronen (Last Updated: 31-Jan-2003)
- ▶ Anesthetic Management of the Standing Horse for Prolonged, Invasive Surgery
Z. E. Watson and E. P. Steffey (In preparation)
- ▶ Anesthetic Management of Donkeys and Mules
N. S. Matthews and T. S. Taylor (Last Updated: 16-Jul-2000)
- ▶ Anesthetic Management of Camelids
K. R. Mama (Last Updated: 4-Sep-2000)
- ▶ Focused Supportive Care: Ventilation During Ruminant Anesthesia
B. H. Pypendop and E. P. Steffey (Last Updated: 18-Oct-2001)
- ▶ Focused Supportive Care: Blood Pressure and Blood Flow During Equine Anesthesia
A. Wagner (Last Updated: 9-Sep-2000)
- ▶ Pain Control in Food Animals in English, en español
L. W. George (Last Updated: 3-Nov-2003)
- ▶ Hazards Associated with Laser Surgery in the Airway of the Horse: Implications for the Anesthetic Management
B. Driessen, L. Zarucco, L. E. Nann and L. Klein (Last Updated: 18-Apr-2003)
- ▶ Use of a Helium/Oxygen Carrier Gas Mixture for Inhalation Anesthesia during Laser Surgery in the Airway of the Horse
B. Driessen, L. E. Nann and L. Klein (Last Updated: 18-Apr-2003)



[BACK](#) [HOME](#) [SEARCH](#) [LIBRARY](#) [BOOKMARK](#) [EMAIL](#) [CITATION](#) [PRINT](#) [LOG OUT](#)

BACK
TO
TOP

In: **Recent Advances in Anesthetic Management of Large Domestic Animals**, Steffey E.P. (Ed.)
International Veterinary Information Service, Ithaca NY (www.ivis.org), 2001; A0603.0201

Anesthetic Management of Cattle (Last Updated: 15-Feb-2001)

T. W. Riebold

Veterinary Teaching Hospital, College of Veterinary Medicine, Oregon State University, Corvallis, Oregon, USA.

Introduction

As in other species, sedation and anesthesia are required in cattle for surgical or diagnostic procedures. The decision to induce general anesthesia may be influenced by cattle's anatomic and physiologic characteristics. Cattle usually accept physical restraint well and that, in conjunction with local or regional anesthesia, is often sufficient to allow completion of many procedures. Other diagnostic and surgical procedures that are more complex require general anesthesia. The intent of this chapter is to review current knowledge and techniques of general anesthetic management of cattle as applied in clinical practice in the United States.

Preanesthetic Preparation

Considerations for preanesthetic preparation include fasting, assessment of hematologic and blood chemistry values, venous catheterization, and estimation of body weight. Cattle as ruminants are susceptible to complications associated with recumbency and general anesthesia; tympany, regurgitation, and aspiration pneumonia. Accordingly, it is recommended that calves be fasted 12 - 18 hours and deprived of water for 8 - 12 hours. Adult cattle should be fasted 18 - 24 hours and deprived of water for 12 - 18 hours. In nonelective cases, this is often not possible and precautions should be taken to avoid aspiration of gastric fluid and ingesta. Fasting neonates is not advisable because hypoglycemia may result. Fasting and water deprivation will decrease the incidence of tympany and regurgitation by decreasing the volume of fermentable ingesta but may also produce bradycardia in cattle [1]. Additionally, pulmonary functional residual capacity maybe better preserved in the fasted anesthetized ruminant [2]. Even with these precautions, some cattle will become tympanic while others will regurgitate.

Hematologic and blood chemistry values should be determined and evaluated as appropriate before induction of anesthesia. Venipuncture and catheterization of the jugular vein are often performed prior to anesthesia. Catheters up to 16 gauge are appropriate for calves while adult cattle require 12 - 14 gauge catheters. Infiltration of a local anesthetic at the site of catheterization is recommended.

Anticholinergics are usually not administered to cattle prior to induction of anesthesia as they do not consistently decrease salivary secretions unless used in high doses and repeated frequently. Usual doses of **atropine** to prevent bradycardia in cattle (0.06 - 0.1 mg/kg IV) do not prevent salivation during anesthesia. Glycopyrrolate (0.005 - 0.01 mg/kg IM or 0.002 - 0.005 mg/kg IV) may be substituted for atropine [3].

Sedation/Restraint



International Veterinary Information Service

- Home
- Search
- Library
- IVIS News
- Sponsors
- Authors
- About IVIS
- Help
- Contact
- Privacy
- Log-out

LIBRARY

- > **IVIS Books**
Full-featured veterinary books, manuals and collections of state-of-the art reviews within specific areas of veterinary medicine
- > **Proceedings**
Proceedings of veterinary meetings and symposia and other on-line proceedings
- > **IVIS Reviews in Veterinary Medicine**
In-depth medical review articles in veterinary medicine
- > **Continuing Education in Veterinary Education**
Autotutorial and continuing education websites, lecture notes and proceedings of short courses, short communications and web-based professional manuals
- > **PubMed Abstracts**
Grid of preset search parameters organized by journal and animal grouping
- > **IVIS Bookstore Program**
Purchase veterinary books on-line and support the IVIS initiative
- > **Calendar of Events**
List of veterinary meetings and short courses
- > **IVIS Classified Ads, Career and Work Opportunities**
Search or post employment and educational opportunities
- > **External Links**
Links to useful websites related to veterinary medicine
- > **IVIS Newsletters**
Past and present numbers of the IVIS Newsletter

TOP

Leading the way in providing veterinary information





International Veterinary Information Service

- Home
- Search
- Library
- IVIS News
- Sponsors
- Authors
- About IVIS
- Help
- Contact
- Privacy
- Log-out

PROCEEDINGS

↑ Proceedings Available On-Line

- ▶ AAEP - Annual Convention of the American Association of Equine Practitioners - Hosted by IVIS
→ Denver 2004 - New Orleans 2003 - Orlando 2002, PDF only - San Diego 2001, PDF only - San Antonio 2000, PDF only - Albuquerque 1999, PDF only - Baltimore 1998, PDF only
- ▶ ACVP & ASVCP - Annual Meetings of the American College of Veterinary Pathologists and of the American Society of Clinical Pathology - Hosted by IVIS
Orlando 2004
- ▶ BEPS - Belgian Equine Practitioners Society - Hosted by IVIS
Brussels 2004 - Brussels 2003
- ▶ Canine Cancer Conference: Genes, Dogs, and Cancer - Hosted by IVIS
Seattle 2003 - Aurora 2002 - Keystone 2001
- ▶ Cross-Species Approach to Pain and Analgesia - 2002 - Hosted by IVIS
Warrenton 2002
- ▶ Geneva Congress of Equine Medicine and Surgery - Hosted by IVIS
Geneva 2003
- ▶ Hill's European Symposium on Canine Brain Ageing - Hosted by IVIS
Barcelona 2002
- ▶ International Congress on Yak - Hosted by IVIS
Chengdu 2004 - Lhasa 2000
- ▶ International Symposium on Diseases of the Icelandic Horse - Hosted by IVIS
Selfoss 2004
- ▶ International Workshop on Canine Infectious Diseases: From Clinics to Molecular Pathogenesis
Annual meeting of the James A. Baker Institute for Animal Health - Hosted by IVIS
Ithaca 1999
- ▶ SIVE - Congress of the Italian Association of Equine Veterinarians - Hosted by IVIS
Bologna 2006, Preliminary program - Pisa 2005 - Perugia 2004 - Pisa 2003
- ▶ WBC - World Buiatrics Congress - Hosted by IVIS
Nice 2006 - Québec 2004
- ▶ WSAVA - World Small Animal Veterinary Association - Quick Links by IVIS - Hosted by IVIS
Rhodes 2004



International
Veterinary
Information
Service

- HOME
- SEARCH
- LIBRARY
- IVIS NEWS
- SPONSORS
- AUTHORS
- ABOUT IVIS
- HELP
- CONTACT
- PRIVACY
- LOG OUT

PROCEEDINGS

↑ 50th Annual Convention of the American Association of Equine Practitioners - AAEP, 2004 - Denver, CO, USA

Scott E. Palmer, Program Chair; Dr. Susan L. White, Educational Programs Committee Chair; Carey Robinson, Publications Coordinator; - Publisher - American Association of Equine Practitioners, Lexington KY, USA.

Dentistry | Medicine I | Milne Lecture | In-Depth: Placentitis | The Unwanted Horse | How To Session Imaging | Sports Medicine | Equine Anesthesia | Lameness | Medicine II | Sacroiliac Lameness How To Session | Equine Therapeutics | Surgery | Reproduction

↑ Dentistry

- Dentistry of Equine Cheek Teeth (Last Updated: 4-Dec-2004)
R.C. Stubbs
- Incisor and Molar Occlusion: Normal Ranges and Indications for Incisor Reduction (Last Updated: 4-Dec-2004)
B.A. Rucker
- Equine Canine and First Premolar (Wolf) Teeth (Last Updated: 4-Dec-2004)
K.J. Easley
- Periodontal Disease and Tooth Decay in the Horse (Last Updated: 4-Dec-2004)
T.J. Johnson and C.M. Porter
- Oral Extraction of Cheek Teeth in the Standing Horse: Indications and Techniques (Last Updated: 4-Dec-2004)
I. Dacre and P.M. Dixon
- Incidence and Severity of Abrasions on the Buccal Mucosa Adjacent to the Cheek Teeth in 199 Horses (Last Updated: 4-Dec-2004)
T.E. Allen
- Treatment of Periodontitis Associated with Diastema Formation in the Horse - an Alternative Approach (Last Updated: 4-Dec-2004)
J.L. Carmalt, B.A. Rucker and D.J. Rach



International Veterinary Information Service

- Home
- Search
- Library
- IVIS News
- Sponsors
- Authors
- About IVIS
- Help
- Contact
- Privacy
- Log-out

PROCEEDINGS

↑ Proceedings Available On-Line

- AAEP - Annual Convention of the American Association of Equine Practitioners - Hosted by IVIS
[Denver 2004](#) - New Orleans 2003 - Orlando 2002, PDF only - San Diego 2001, PDF only - San Antonio 2000, PDF only - Albuquerque 1999, PDF only - Baltimore 1998, PDF only
- ACVP & ASVCP - Annual Meetings of the American College of Veterinary Pathologists and of the American Society of Clinical Pathology - Hosted by IVIS
Orlando 2004
- BEPS - Belgian Equine Practitioners Society - Hosted by IVIS
Brussels 2004 - Brussels 2003
- Canine Cancer Conference: Genes, Dogs, and Cancer - Hosted by IVIS
Seattle 2003 - Aurora 2002 - Keystone 2001
- Cross-Species Approach to Pain and Analgesia - 2002 - Hosted by IVIS
Warrenton 2002
- Geneva Congress of Equine Medicine and Surgery - Hosted by IVIS
Geneva 2003
- Hill's European Symposium on Canine Brain Ageing - Hosted by IVIS
Barcelona 2002
- International Congress on Yak - Hosted by IVIS
Chengdu 2004 - Lhasa 2000
- International Symposium on Diseases of the Icelandic Horse - Hosted by IVIS
Selfoss 2004
- International Workshop on Canine Infectious Diseases: From Clinics to Molecular Pathogenesis
Annual meeting of the James A. Baker Institute for Animal Health - Hosted by IVIS
Ithaca 1999
- SIVE - Congress of the Italian Association of Equine Veterinarians - Hosted by IVIS
Bologna 2006, Preliminary program - Pisa 2005 - Perugia 2004 - Pisa 2003
- WBC - World Buiatrics Congress - Hosted by IVIS
Nice 2006 - Québec 2004
- WSAVA - World Small Animal Veterinary Association - Quick Links by IVIS - Hosted by IVIS
Rhodes 2004

Québec/2004 Canada

23^e Congrès mondial de buiatrie • Québec, Canada, 11-16 juillet 2004
23 Congreso Mundial de Buiatría • Québec, Canada, 11-16 de Julio 2004
23rd World Buiatrics Congress • Québec, Canada, July 11-16, 2004
23. Welt-Kongress für Buiatrik • Québec, Canada, 11.-16. Juli 2004

WBC List of Key Note Lectures

Sessions :

- [Plenary Session](#)
- [Medicine and Surgery](#)
- [Population Medicine](#)
- [Reproduction, Embryo Transfer and Biotechnology](#)
- [Public Health, Environment and Regulatory Medicine](#)
- [Abstracts 1 to 100](#)
- [Abstracts 101 to 200](#)
- [Abstracts 201 to 300](#)
- [Abstracts 301 to 400](#)
- [Abstracts 401 to 500](#)
- [Abstracts 501 to 600](#)
- [Abstracts 601 to end](#)

You will need [Acrobat Reader](#) to read the pdf files. / Vous aurez besoin d'[Acrobat Reader](#) pour lire les articles.

Plenary Session

[Canada's BSE experience: Maintaining public confidence in the face of global threats](#) B. Evans
L'ESB et l'expérience canadienne : maintenir la confiance du consommateur face à l'apparition des maladies ayant un impact international

[Bovine practice: Successes of the past and challenges and opportunities in the future](#) O. Radostits
La pratique bovine : les succès du passé, les défis et les possibilités de l'avenir

[Top of page / Haut de page](#)

Medicine and Surgery

[Surgical diseases of the neonate](#) D. E. Anderson
Approche chirurgicale des conditions néonatales

[Diagnostic ultrasonography in bovine internal diseases](#) U. Braun
Examen sonographique des organes internes chez la vache malade

[Acute mastitis: Revisiting the goals of therapy](#) E. Dawn-Morin
Mammite aiguë : objectifs des principes thérapeutiques

5. BIOME: Vetgate: (<http://vetgate.ac.uk>)

VETGATE: The UK's Gateway to High Quality Internet Resources in Animal Health - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://vetgate.ac.uk/> Go Links

[low graphics](#)

BIOME
The UK's gateway to high quality Internet resources in Animal Health

SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

Welcome to VetGate

VetGate is a free catalogue of hand-selected and [evaluated](#) Internet resources in Animal Health. [New](#) resources are added weekly.

Search [Advanced](#) | [Browse](#) | [Help](#)

Use the keyword search box above, or [browse](#) resources by subject heading.

Additional Services

- [Internet Vet tutorial](#)
- Latest [academic agriculture and veterinary jobs](#) from [jobs.ac.uk](#)
- Free VetGate booklet "[Internet Resources in Animal Health](#)"
- VetGate [search box](#) to include on your own site
- [Hot Topics](#)

VetGate Hosted Services

[AHIS](#) - Animal Health Information Specialists

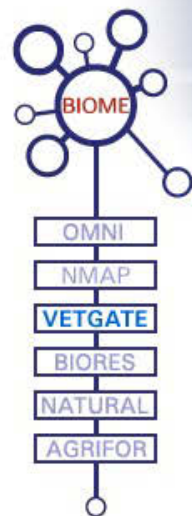
THE WELLCOME GATEWAYS
[BioethicsWeb](#)
[MedHist](#)
[psci-com](#)

[email: webmaster@biome.ac.uk](mailto:webmaster@biome.ac.uk), or see [contacts](#) [DISCLAIMER](#) (c) The University of Nottingham

Last modified: 14 Apr 2005

start Inboxes - Microsoft Out... Microsoft PowerPoint... Microsoft Photo Edito... VETGATE: The UK's G... 10:51 AM

[low graphics](#)



[SEARCH](#) [BROWSE](#) [ABOUT](#) [WHAT'S NEW](#) [SUBMIT](#) [TRAINING](#) [SITE MAP](#)

Welcome to VetGate

VetGate is a free catalogue of hand-selected and [evaluated](#) Internet resources in Animal Health. [New](#) resources are added weekly.

[Advanced](#) | [Browse](#) | [Help](#)

Use the keyword search box above, or [browse](#) resources by subject heading.

Additional Services

- [Internet Vet tutorial](#)
- Latest [academic agriculture and veterinary jobs](#) from jobs.ac.uk
- Free VetGate booklet "[Internet Resources in Animal Health](#)"
- VetGate [search box](#) to include on your own site
- [Hot Topics](#)

VetGate Hosted Services

[AHIS](#) - Animal Health Information Specialists

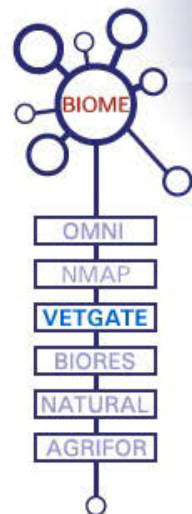
email: webmaster@biome.ac.uk, or see [contacts](#) [DISCLAIMER](#) (c) The University of Nottingham

Last modified: 14 Apr 2005

[low graphics](#)



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP



No. of results: 34

page: 1 2 3 4 of 4

bse

Search

[Advanced](#) | [Help](#)

[Bovine spongiform encephalopathy](#)

Published on the Web by the Food and Agriculture Organization (FAO), this report was written in 1993 by Richard H. Kimberlin of the Scrapie and Related Diseases Advisory Service (SARAD), Edinburgh. This report provides an introduction to **BSE**, and outlines its geographical distribution, economic implications, aetiology, epidemiology, clinical signs, pathology, diagnosis, prevention, and control and eradication. A list of references is provided and the report is in HTML.

[prion diseases](#); [infectious diseases](#); [bovine spongiform encephalopathy](#);

Document/report / Other

[Bovine spongiform encephalopathy](#)

Published on the Web by the Office International des Epizooties (OIE) this fact sheet was updated in April 2002 and provides information on Bovine spongiform encephalopathy (**BSE**), covering aetiology, epidemiology, diagnosis, and prevention and control. References and links to other information sources are available.

[cattle diseases](#); [bovine spongiform encephalopathy](#); [Office International des Epizooties](#);

Document/report / Other

[Bovine spongiform encephalopathy](#)

Published on the Web in February 2002 by the Veterinary Services division of the US Animal and Plant Health Inspection Service (APHIS). This fact sheet provides information on bovine spongiform encephalopathy (**BSE**), a chronic degenerative disease affecting the central nervous system of cattle. Information is provided on the history of **BSE**, clinical signs, epidemiology, related diseases, and the USDA actions in response to **BSE**. This document is also available in PDF, which requires Adobe Acrobat Reader.

[disease control: bovine spongiform encephalopathy: USA](#)

News & Info

- [Press Releases](#)
- [Publications](#)
- [Factsheets](#)
- [Popular Pubs](#)
- [Scientific & Technical Pubs](#)
- [Industry Alerts & Tech Notes](#)
- [Videos](#)
- [Art & Symbols](#)
- [Email Us](#)
- [Privacy Statement](#)
- [EEO Statement](#)
- [USDA | MRP](#)
- [APHIS Home Page](#)

Bovine Spongiform Encephalopathy

February 2002

Veterinary Services

Bovine spongiform encephalopathy (BSE), widely referred to as "mad cow disease," is a chronic degenerative disease affecting the central nervous system of cattle. The disease was first diagnosed in 1986 in Great Britain.

BSE has had a substantial impact on the livestock industry in the United Kingdom. The disease also has been confirmed in native-born cattle in Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Italy, Ireland, Japan, Liechtenstein, Luxembourg, the Netherlands, Northern Ireland, Portugal, Slovakia, Slovenia, Spain, and Switzerland. The U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) is enforcing import restrictions and is conducting surveillance for BSE to ensure that this serious disease does not become established in the United States.

Clinical Signs

Cattle affected by BSE experience progressive degeneration of the nervous system. Affected animals may display changes in temperament, such as nervousness or aggression, abnormal posture, incoordination and difficulty in rising, decreased milk production, or loss of body weight despite continued appetite. Affected cattle die. The causative agent of the disease is not completely characterized, and there is neither any treatment nor a vaccine to prevent the disease.

The incubation period (the time from when an animal becomes infected until it first shows disease signs) is from 2 to 8 years. Following the onset of clinical signs, the animal's condition deteriorates until it either dies or is destroyed. This process usually takes from 2 weeks to 6 months. Most cases in Great Britain have occurred in dairy cows between 3 and 6 years of age.

Currently, there is no test to detect the disease in a live animal; veterinary pathologists confirm BSE by postmortem microscopic examination of brain tissue or by the detection of the abnormal form of the prion protein. BSE is so named because of the spongy appearance of the brain tissue of infected cattle when sections are examined under a microscope.

History

Since November 1986 (when BSE was first identified as a separate disease entity), over 178,000 head of cattle have been diagnosed with BSE in Great Britain. The epidemic peaked in January 1993 at approximately 1,000 new cases reported per week. Agricultural officials in Great Britain have taken a series of actions to eradicate BSE, including making BSE a notifiable disease, prohibiting the inclusion of mammalian meat-and-bone meal in feed for all food-producing animals, prohibiting the inclusion of animals more than 30 months of age in the animal and human food chains, and destroying all animals showing signs of BSE and other animals at high risk of developing the disease.

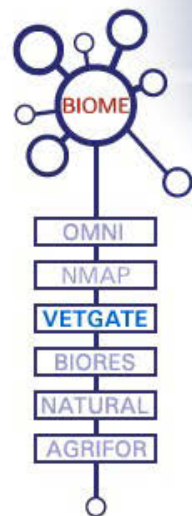
As a result of these actions, most notably the imposition of feed bans, the rate of newly reported cases of BSE has greatly decreased.



[low graphics](#)



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP



Welcome to VetGate

VetGate is a free catalogue of hand-selected and [evaluated](#) Internet resources in Animal Health. [New](#) resources are added weekly.

[Advanced](#) | [Browse](#) | [Help](#)

Use the keyword search box above, or [browse](#) resources by subject heading.

Additional Services

- [Internet Vet tutorial](#)
- Latest [academic agriculture and veterinary jobs](#) from jobs.ac.uk
- Free VetGate booklet "[Internet Resources in Animal Health](#)"
- VetGate [search box](#) to include on your own site
- [Hot Topics](#)

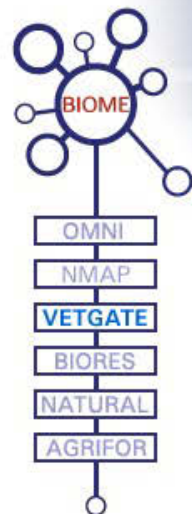
VetGate Hosted Services

[AHIS](#) - Animal Health Information Specialists

email: webmaster@biome.ac.uk, or see [contacts](#) [DISCLAIMER](#) (c) The University of Nottingham

Last modified: 14 Apr 2005

[low graphics](#)



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

No. of results: 6.

african horse sickness

Search

[Advanced](#) | [Help](#)

[African horse sickness](#)

This fact sheet on **African horse sickness**, a highly fatal and infectious disease, which affects horses, mules and donkeys, is produced and published on the Web by the UK Department for Environment, Food & Rural Affairs (DEFRA). This fact sheet covers clinical signs and symptoms, transmission, post-mortem requirements, and UK and EU legislation.

[horse diseases](#); [disease control](#); [UK](#); [African horse sickness](#);

Document/report / Other

[African horse sickness](#)

Published on the Web by the Office International des Epizooties (OIE) this fact sheet was updated in April 2002 and provides information on **African horse sickness**, covering aetiology, epidemiology, diagnosis, and prevention and control. References and links to other information sources are available.

[Office International des Epizooties](#); [African horse sickness](#);

Document/report / Other

[African horse sickness, volume 1](#)

Published on the Web by the Veterinary Services (VS) division of the U.S. Department of Agriculture (USDA), this training manual provides information on **African Horse Sickness**, a non-contagious viral disease of horses and other equidae. Information is provided on the disease, which is often fatal, its history, aetiology, geographic distribution, transmission, epidemiology, clinical signs, vaccination, and control and eradication. In addition, the manual includes a collection of colour slides depicting gross lesions of infected animals.

handbooks: [African horse sickness](#)

6. BIOME: Agrifor (<http://biome.ac.uk>)

The screenshot shows a Microsoft Internet Explorer browser window displaying the Agrifor website. The browser's address bar shows the URL <http://agrifor.ac.uk/>. The website's header features the text "AGRIFOR: The UK's Gateway to High Quality Internet Resources in Agriculture, Food, and Forestry" and a navigation menu with links for SEARCH, BROWSE, ABOUT, WHAT'S NEW, SUBMIT, TRAINING, and SITE MAP. A central banner reads "Welcome to AgriFor" and provides a brief description of the site as a free catalogue of hand-selected and evaluated Internet resources. Below this is a search box with a "Search" button and links for "Advanced" and "Help". A section titled "Browse by subject" lists various categories such as Agriculture, Crops and Horticulture, Livestock, Soil Science, Plant Diseases and Pest Control, Natural Resources and Plant Science, Fisheries, and Economics, Trade & Rural Development. On the left side of the page, there is a vertical navigation menu with links to OMNI, NMAP, VETGATE, BIORES, NATURAL, and AGRIFOR. At the bottom of the page, the Windows taskbar is visible, showing the Start button and several open applications including Microsoft Outlook, PowerPoint, Photo Editor, and the Agrifor browser window.

low graphics

AGRIFOR: The UK's Gateway to High Quality Internet Resources in Agriculture, Food, and Forestry - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address <http://agrifor.ac.uk/> Go Links

[low graphics](#)

AGRIFOR
The UK's gateway to high quality Internet resources in Agriculture, Food, and Forestry

SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

Welcome to AgriFor

AgriFor is a free catalogue of hand-selected and [evaluated](#) Internet resources in agriculture, food and forestry. [New](#) resources are added weekly.

Search [Advanced](#) | [Help](#)

Use the keyword search box above, or browse resources by subject, using the headings below.

Browse by subject

Agriculture
[Farming methods](#) | [Agencies](#) | ...

Crops and Horticulture
[Field crops](#) | [Horticulture](#) | [Viticulture](#) | ...

Livestock
[Cattle](#) | [Sheep](#) | [Livestock diseases](#) | ...

Soil Science
[Fertilisers](#) | [Soil chemistry](#) | [Erosion](#) | ...

Plant Diseases and Pest Control
[Integrated pest management](#) | [Weeds](#) | ...

Natural Resources and Plant Science
[Botany](#) | [Environmental protection](#) | ...

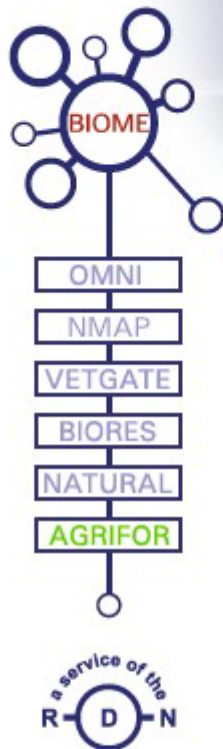
Fisheries
[Commercial fishing](#) | [Aquaculture](#) | ...

Economics, Trade & Rural Development
[Agricultural economics](#) | [Foreign aid](#) | ...

OMNI
NMAP
VETGATE
BIORES
NATURAL
AGRIFOR

THE WELLCOME GATEWAYS
BioethicsWeb
MedHist
psci-com

start | Inbox - Microsoft Out... | Microsoft PowerPoint... | Microsoft Photo Edito... | AGRIFOR: The UK's G... | 11:11 AM



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

[Home](#) > [Livestock](#) > Livestock diseases and animal health

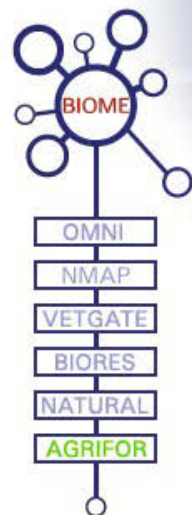
Livestock diseases and animal health

- [General](#)
- [Anatomy and physiology](#)
- [Communicable diseases+](#)
- [Conditions and diseases+](#)
- [Disease control laws](#)
- [Hygiene](#)
- [Pharmacology](#)
- [Preventative medicine](#)

THE WELLCOME GATEWAYS
BioethicsWeb
MedHist
psci-com

email: webmaster@biome.ac.uk, or see [contacts](#) [DISCLAIMER](#) (c) The University of Nottingham

[low graphics](#)



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

[Home](#) > [Livestock](#) > [Livestock diseases and animal health](#) > Communicable diseases

Communicable diseases

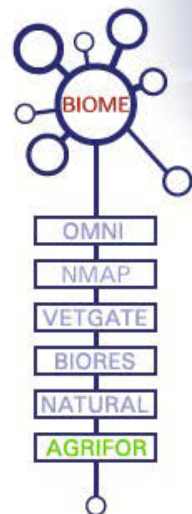
- General
- [Bacterial and rickettsial diseases](#)
- [Parasitic diseases](#)
- [Viral diseases](#)
- [Zoonotic infections](#)



email: webmaster@biome.ac.uk, or see [contacts](#) [DISCLAIMER](#) (c) The University of Nottingham

Last modified: 15 Jul 2005

[low graphics](#)



SEARCH BROWSE ABOUT WHAT'S NEW SUBMIT TRAINING SITE MAP

[Home](#) > [Livestock](#) > [Livestock diseases and animal health](#) > [Communicable diseases](#) > Bacterial and rickettsial diseases

Bacterial and rickettsial diseases

[Code of practice for the prevention and control of salmonella on pig farms](#)

Published on the Web by the Department for Environment, Food and Rural Affairs (DEFRA), this voluntary Code of Practice, is issued by MAFF and the Scottish Executive Environment and Rural Affairs Department (SEERAD). The Code is aimed at pig farmers and provides a 'best practice' guide to preventing the occurrence of salmonella in pig farms. In addition, the Code gives guidance on controls to prevent the spread of infection within the herd and to other farms once a case has occurred, and provides guidance on the cleaning and disinfection of pig farms. Information is provided on Salmonella and the importance of its control, and annexes include a check list for preparation of a detailed plan for cleaning and disinfection of pig units. This 30 pages document is provided in PDF, requiring Adobe Acrobat Reader.

[salmonellosis](#); [pig farming](#); [disease prevention](#); [code of practice](#); [UK](#); [Salmonella](#); [Ministries of Agriculture](#);

[Foot rot in grazing cattle](#)

Published on the Web by the Oklahoma State University this factsheet was written in 2003 by John G. Kilpatrick, DVM, and Dr. David Lalman, and was produced for the Oklahoma Cooperative Extension Service. The factsheet provides information on foot rot in grazing cattle and covers causes, transmission, clinical signs, diagnosis, treatment and prevention. This document is 4 pages long, and is provided in PDF, requiring Adobe Acrobat Reader.

[foot rot](#); [cattle](#);

[Johne's information center](#)

F-3355

Foot Rot in Grazing Cattle

John G. Kirkpatrick, DVM
Associate professor Medicine and Surgery

David Lalman, PhD
Extension Beef Cattle Specialist

Oklahoma Cooperative Extension Fact Sheets
are also available on our website at:
<http://www.osuextra.com>

Foot rot is a subacute or acute necrotic (decaying) infectious disease of cattle, causing swelling and lameness in one or more feet. The disease can become chronic, with a poorer prognosis for recovery if treatment is delayed, which results in deeper structures of the toe becoming affected. Weight gain is significantly reduced when grazing cattle contract the disease. In one three-year study, Brazle (1993) reported that affected steers gained 2.3 lbs. per day, while steers not affected gained 2.76 lbs. per day. Foot rot is usually sporadic in occurrence, but the disease incidence may increase up to 25% in high-intensity beef or dairy production units. Approximately 20% of all diagnosed lameness in cattle is actually foot rot.

Cause

Mechanical injury or softening and thinning of the interdigital (between the toes) skin by puncture wounds or continuous exposure to wet conditions are necessary to provide entrance points for infectious agents. *Fusobacterium necrophorum* is the bacterium most often isolated from infected feet, but is also frequently isolated from non-diseased interdigital skin.

Figure 1. Foot rot in a cow showing separation of the interdigital skin, revealing a whitish-yellow necrotic core-like material.

7. Consultant :

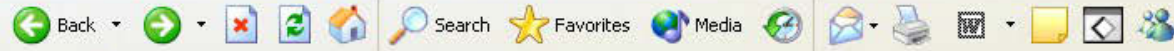
(<http://www.vet.cornell.edu/consultant/consult.asp>)



The screenshot shows a Microsoft Internet Explorer browser window displaying the Consultant website. The address bar shows the URL <http://www.vet.cornell.edu/consultant/Consult.asp>. The website content includes the Cornell University logo and the text "College of Veterinary Medicine" on the left, and "CONSULTANT" in large red letters on the right, followed by "Dr. Maurice E. White" and "A Diagnostic Support System for Veterinary Medicine". Below this, it says "Home Page". A central menu lists the following options:

- ▶ Search by Diagnosis
- Search by Signs
- How to Support CONSULTANT
- Help
- VetAccess

At the bottom of the page, there is a copyright notice: "Copyright © 2005 Cornell University College of Veterinary Medicine". The browser's taskbar at the bottom shows several open applications, including Microsoft Outlook, Microsoft PowerPoint, Microsoft Photo Editor, and the Consultant browser window. The system clock shows 11:56 AM.



CONSULTANT

Dr. Maurice E. White

A Diagnostic Support System for Veterinary Medicine

Diagnosis Page

[Home](#) [Help](#)

Species: Equine

Diagnosis Keyword: lameness

[Search](#)

Copyright © 2005 Cornell University College of Veterinary Medicine

Inbox - Microsoft Outlook



CONSULTANT

Dr. Maurice E. White

A Diagnostic Support System for Veterinary Medicine

Diagnosis Page

[Home](#) [Help](#)

Species: Equine

Diagnosis Keyword: lameness

5 Possible Diagnoses

- Equine lameness due to intra-articular injection, postinjection flare
- Forelimb lameness associated with cervical radiographic changes
- High intraosseous pressure causing lameness in horses
- Infertility, anestrus, failure to show signs of estrus, due to lameness
- Lameness in horses due to improper shoeing, sheared heels, nail bind

[Home](#) [Help](#)

Copyright © 2005 Cornell University College of Veterinary Medicine



CONSULTANT

Dr. Maurice E. White

A Diagnostic Support System for Veterinary Medicine

Cause Page

[Home](#) [Diagnosis](#) [Help](#)

LAMENESS IN HORSES DUE TO IMPROPER SHOEING, SHEARED HEELS, NAIL BIND

Description: Improper shoeing or trimming can lead to either the lateral or medial heel of a horse being subjected to greater force than the heel on the other side. This can cause chronic heel soreness similar to navicular disease or predispose to other lamenesses. Diagnose by physical exam to determine the balance of the foot at rest and in motion. Injury to the sensitive laminae may also occur during shoeing. A nail driven too close to the sensitive laminae can cause lameness. Signs may be seen immediately or up to 3 days after shoeing. Diagnose by percussion over the nail head or along the line of the shaft of the nail.

Species: Equine

Signs: **F**orefoot pain, **F**orelimb lameness, **G**eneralized lameness or stiffness, **H**eat, nail, claw, hoof, **H**indfoot pain, **H**indlimb lameness

References: [[Web Reference](#)] PubMed

Redden RF. Hoof capsule distortion: understanding the mechanisms as a basis for rational management. *Vet Clin N A: Eq Pract* 2003;19:443-462

REEVES MJ ET AL. miscellaneous conditions of the equine foot. *vet clin n a: eq pract* 1989;5:221-242.

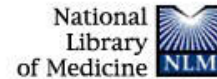
[Home](#) [Diagnosis](#) [Help](#)

Copyright © 2005 Cornell University College of Veterinary Medicine

8. Pubmed :

(<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>)

The screenshot shows the PubMed website interface within a Microsoft Internet Explorer browser window. The browser's address bar displays the URL <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>. The website header includes the NCBI logo, the PubMed logo, and the National Library of Medicine logo. A navigation bar lists various databases: All Databases, PubMed, Nucleotide, Protein, Genome, Structure, OMIM, PMC, Journals, and Books. Below this is a search bar with the text "Search PubMed for" and "Go" and "Clear" buttons. A secondary navigation bar contains buttons for Limits, Preview/Index, History, Clipboard, and Details. The main content area features a list of search tips: "Enter one or more search terms." and "You may combine [subject terms](#), [author names](#) and [journal titles](#)." A yellow highlighted box states: "PubMed, a service of the National Library of Medicine, includes over 15 million citations from MEDLINE and additional life science journals for biomedical articles back to the 1950's. PubMed includes links to full text articles and other related resources." Below this are two promotional boxes: "Bookshelf PubMed Help" and "My NCBI Quick Tours". A "New Global NCBI Search Engine" announcement box is also present. The left sidebar contains a menu with links such as "About Entrez", "Text Version", "Entrez PubMed Overview", "PubMed Services", and "Related Resources". The browser's taskbar at the bottom shows several open applications, including Microsoft Outlook, PowerPoint, Photo Editor, and the current PubMed browser window, with the system clock showing 12:12 PM.



My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for african horse sickness [Go] [Clear] [Save Search]

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort by Send to

All: 354 Review: 35

Items 1 - 20 of 354 Page 1 of 18 Next

- 1: [de Waal PJ, Huismans H.](#) Related Articles, Links
 Characterization of the nucleic acid binding activity of inner core protein VP6 of African horse sickness virus.
 Arch Virol. 2005 Jun 28; [Epub ahead of print]
 PMID: 15986179 [PubMed - as supplied by publisher]
- 2: [De Clercq K, Goris N.](#) Related Articles, Links
 Extending the foot-and-mouth disease module to the control of other diseases.
 Dev Biol (Basel). 2004;119:333-40. Review.
 PMID: 15742644 [PubMed - indexed for MEDLINE]
- 3: [Sanchez-Vizcaino JM.](#) Related Articles, Links
 Control and eradication of African horse sickness with vaccine.
 Dev Biol (Basel). 2004;119:255-8. Review.
 PMID: 15742636 [PubMed - indexed for MEDLINE]
- 4: [Maree S, Paweska JT.](#) Related Articles, Links
 Preparation of recombinant African horse sickness virus VP7 antigen via a simple method and validation of a VP7-based indirect ELISA for the detection of group-specific IgG antibodies in horse sera.
 J Virol Methods. 2005 Apr;125(1):55-65. Epub 2005 Jan 18.
 PMID: 15737417 [PubMed - in process]
- 5: [Koekemoer JJ, Dijk AA.](#) Related Articles, Links
 African horsesickness virus serotyping and identification of multiple co-infecting serotypes with a single genome segment 2 RT-PCR amplification and reverse line blot hybridization.
 J Virol Methods. 2004 Dec 1;122(1):49-56.
 PMID: 15488620 [PubMed - indexed for MEDLINE]

About Entrez

Text Version

Entrez PubMed

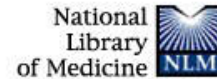
- Overview
- Help | FAQ
- Tutorial
- New/Noteworthy
- E-Utilities

PubMed Services

- Journals Database
- MeSH Database
- Single Citation Matcher
- Batch Citation Matcher
- Clinical Queries
- Special Queries
- LinkOut
- My NCBI (Cubby)

Related Resources

- Order Documents
- NLM Catalog
- NLM Gateway
- TOXNET
- Consumer Health
- Clinical Alerts
- ClinicalTrials.gov
- PubMed Central



My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for [] Go Clear

Limits Preview/Index History Clipboard Details

Display Abstract Show 20 Sort by Send to

All: 1 Review: 0

- About Entrez
- Text Version
- Entrez PubMed
 - Overview
 - Help | FAQ
 - Tutorial
 - New/Noteworthy
 - E-Utilities
- PubMed Services
 - Journals Database
 - MeSH Database
 - Single Citation Matcher
 - Batch Citation Matcher
 - Clinical Queries
 - Special Queries
 - LinkOut
 - My NCBI (Cubby)
- Related Resources
 - Order Documents
 - NLM Catalog
 - NLM Gateway
 - TOXNET
 - Consumer Health
 - Clinical Alerts
 - ClinicalTrials.gov
 - PubMed Central

Arch Virol. 2005 Jun 28; [Epub ahead of print]

Related Articles, Links



Characterization of the nucleic acid binding activity of inner core protein VP6 of African horse sickness virus.

de Waal PJ, Huismans H

Department of Genetics, University of Pretoria, Pretoria, South Africa.

Minor structural protein VP6 is the putative helicase of African horse sickness virus (AHSV), of the genus Orbivirus in the Reoviridae family. We investigated how the protein interacts with double-stranded (ds) RNA and other nucleic acids. Binding was assayed using an electrophoretic migration retardation assay and a nucleic acid overlay protein blot assay. VP6 bound double and single stranded RNA and DNA in a NaCl concentration sensitive reaction. Of six truncated VP6 peptides investigated, two partially overlapping peptides were found to bind dsRNA at pH 7.0, while other peptides with the same overlap did not. The distinction between the peptides appeared to be the pI which ranged from more than 8.0 to just above 6.0. Changing the pH of the binding buffer modified the binding activity. Regardless of assay conditions, only peptides with a specific region of amino acids in common, showed evidence of binding activity. No sequence homology was identified with other binding domains, however, the presence of charged amino acids are assumed to be important for binding activity. The results suggested dsRNA binding in the blot assay was strongly affected by the net charge on the peptide.

PMID: 15986179 [PubMed - as supplied by publisher]

Display Abstract Show 20 Sort by Send to

Write to the Help Desk

Printed in Austria

Characterization of the nucleic acid binding activity of inner core protein VP6 of African horse sickness virus

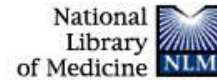
P. J. de Waal and H. Huismans

Department of Genetics, University of Pretoria, Pretoria, South Africa

Received December 16, 2004; accepted April 4, 2005
Published online June 28, 2005 © Springer-Verlag 2005

Summary. Minor structural protein VP6 is the putative helicase of African horse sickness virus (AHSV), of the genus *Orbivirus* in the *Reoviridae* family. We investigated how the protein interacts with double-stranded (ds) RNA and other nucleic acids. Binding was assayed using an electrophoretic migration retardation assay and a nucleic acid overlay protein blot assay. VP6 bound double and single stranded RNA and DNA in a NaCl concentration sensitive reaction. Of six truncated VP6 peptides investigated, two partially overlapping peptides were found to bind dsRNA at pH 7.0, while other peptides with the same overlap did not. The distinction between the peptides appeared to be the pI which ranged from more than 8.0 to just above 6.0. Changing the pH of the binding buffer modified the binding activity. Regardless of assay conditions, only peptides with a specific region of amino acids in common, showed evidence of binding activity. No sequence homology was identified with other binding domains, however, the presence of charged amino acids are assumed to be important for binding activity. The results suggested dsRNA binding in the blot assay was strongly affected by the net charge on the peptide.

Introduction



My NCBI
[\[Sign In\]](#) [\[Register\]](#)

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for Go Clear

Limits Preview/Index History Clipboard Details

About Entrez
Text Version

Entrez PubMed
Overview
Help | FAQ
Tutorial
New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation
Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI (Cubby)

Related Resources
Order Documents
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

- Enter one or more search terms.
- You may combine [subject terms](#), [author names](#) and [journal titles](#).

PubMed, a service of the National Library of Medicine, includes over 15 million citations from MEDLINE and additional life science journals for biomedical articles back to the 1950's. PubMed includes links to full text articles and other related resources.

Bookshelf PubMed Help



The *PubMed Help Documentation* is now available for interactive searching on the [Bookshelf](#).

My NCBI Quick Tours

Learn how to save searches, get e-mail alerts and set up filters with the [My NCBI Quick Tours](#).

New Global NCBI Search Engine

NCBI's growing number of Entrez databases can now be searched at once! [Go](#)

[Write to the Help Desk](#)



TOXNET

► Tox. & Env. Health ► TOXNET

Welcome to TOXNET, a cluster of databases on toxicology, hazardous chemicals, and related areas.

Select Database

HSDB	i
IRIS	i
ITER	i
GENE-TOX	i
CCRIS	i
Multi-Databases	i
TOXLINE	i
DART/ETIC	i
TRI	i
ChemIDplus	i

Search All Databases

Enter term(s) to search all databases.

TOXNET Search Options

- Search all databases: Enter term(s) in box above
- Search a specific database: Click database at left
- Database description: Click on the [i](#)

Other NLM Resources

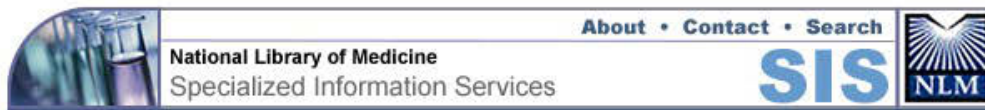
- [Tox/Env. Health Home Page](#)
- [Haz-Map](#)
- [Tox Town](#)
- [Household Products Database](#)
- [WISER](#) **NEW**
- [TOXMAP](#) **NEW**
- [ALTBIB](#)
- [MEDLINEplus Tox/Env. Health](#)
- [MEDLINE/PubMed](#)
- [DIRLINE](#)
- [NLM Gateway](#)



Support Pages

- [Help](#)
- [FAQ](#) **NEW**
- [Database Descriptions](#)
- [Training Manuals](#)
- [News](#)
- [2002 TOXNET Survey Results](#)

[Click here to begin](#)



TOXNET

[Tox. & Env. Health](#) [TOXNET](#)

Welcome to TOXNET, a cluster of databases on toxicology, hazardous chemicals, and related areas.

Select Database

HSDB	i
IRIS	i
ITER	i
GENE-TOX	i
CCRIS	i
Multi-Databases	i
TOXLINE	i
DART/ETIC	i
TRI	i
ChemIDplus	i

Search All Databases

Enter term(s) to search all databases.

Other NLM Resources

- [Tox/Env. Health Home Page](#)
- [Haz-Map](#)
- [Tox Town](#)
- [Household Products Database](#)
- [WISER](#) **NEW**
- [TOXMAP](#) **NEW**
- [ALTBIB](#)
- [MEDLINEplus Tox/Env. Health](#)
- [MEDLINE/PubMed](#)
- [DIRLINE](#)
- [NLM Gateway](#)

Search Results:

Database	Records found i
TOXLINE Special	10408
DART Special	211
HSDB	120
IRIS	8
ITER	8
GENETOX	2
CCRIS	7
TRI	10
CHEMIDplus	1

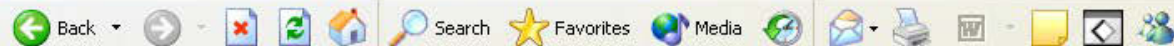
Other Related NLM Resources

- Household Products 0
- Haz-Map [Show me](#)
- TOXMAP [Map It](#)

Support Pages

- [Help](#)
- [Database Descriptions](#)
- [News](#)
- [2002 TOXNET Survey Results](#)

Inbox - Microsoft Outlook



[About](#) • [Contact](#) • [Search](#)



National Library of Medicine
 Specialized Information Services

TOXLINE Special Search Results

[Tox. & Env. Health](#)
[TOXNET](#)
[TOXLINE Special](#)

- Save Checked Items
- Sort
- Details
- History
- Download
- Modify Search
- Basic Search
- Browse Index
- Help
- TOXNET Home

For chemicals, add synonyms and CAS numbers to search: Yes No

Items 1 through 20 of 10408

Page 1 of 521. to page

References are sorted in *relevancy ranked order*.
 Click on **Sort** to change the order of the retrieved References.

Select Record	Reference
1 <input type="checkbox"/>	Lindane WHO working group Environmental Health Criteria Vol:124 (1991) 208 p [RISKLINE]
2 <input type="checkbox"/>	Exposure to Lindane and Two Other Hexachlorocyclohexane Isomers Increases Free Intracellular Calcium Levels in Neurohybridoma Cells Joy RM ; Burns VW Neurotoxicology, Vol. 9, No. 4, pages 637-643, 29 references, 19881988 [NIOSH]
3 <input type="checkbox"/>	Ambient water quality criteria for hexachlorocyclohexane EPA working group Environmental Protection Agency Vol:EPA 440/5-80-054 (1980) 110 p [RISKLINE]
4 <input type="checkbox"/>	Effects of acute exposure to lindane on the male reproductive system: I. adult rats. Dalsenter PR; Faqi AS; Webb J; Merker HJ; Chahoud I Teratology 1995 Jun;51(6):22A-23A [DART]
5 <input type="checkbox"/>	Hexachlorocyclohexanes (Group 2B) Anonymous IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans Vol:Suppl. 7 (1987) pp 220-2 [RISKLINE]
6 <input type="checkbox"/>	Soil properties influencing sorption and desorption of lindane.

9. Agricola :

(<http://agricola.nal.usda.gov>)

AGRICOLA - The National Agricultural Library's Catalog and Article Citation Database - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://agricola.nal.usda.gov/>

Accessible Site

Temporary interruption of services may occur
Wednesday, July 20, 2005, from 3:00 AM until 6:00 AM EDT,
as Internet systems undergo maintenance.

National Agricultural Library Article Citation Database AGRICOLA

To request materials, Login before searching

NAL Catalog
Includes books, serials, audiovisuals, and other resources.

Article Citation Database
Includes journal articles, book chapters, short reports, and reprints. See [Journals Indexed in AGRICOLA](#).

Quick Search: (enter single word or phrase)
 Search

Quick Search: (enter single word or phrase)
 Search

More search options:
[Search ...](#) by keyword using forms and menus
[Browse ...](#) by author, title, or subject

More search options:
[Search ...](#) by keyword using forms and menus
[Browse ...](#) by author, title, or subject

▼ **How to Search Both Databases at Once**
Some search options are not available when you search both databases simultaneously.

| [firstgov.gov](#) | [science.gov](#) | [USDA](#) | [ARS](#) | [NAL](#) | [What is AGRICOLA?](#) | [Login](#) | [Help](#) |

Comments or questions about this database may be sent to the [AGRICOLA Mailbox](#).

Microsoft PowerPoint - [vpgg1]

start | Inboxes - Microsoft Out... | Microsoft PowerPoint ... | Microsoft Photo Edito... | AGRICOLA - The Nati... | tyds@tulks - Microsof... | 12:44 PM

National Agricultural Library Article Citation Database **AGRICOLA**

[Databases](#) [New Search](#) [Patron Info](#) [Login](#) [How to Request](#) [Help](#) [Home](#)

From this page you can select one or both AGRICOLA Databases to search

1. Click on the database name in the box below to highlight the one you want to search.

To select multiple databases:

- **If you are using a PC:**
Hold down the control key while clicking on both names.
- **If you are using a MAC:**
Hold down the apple key while clicking on both names.

2. Click the "Connect" button to search the highlighted database(s).

AGRICOLA Databases:

NAL Catalog
Article Citation Database

[Databases](#) [New Search](#) [Patron Info](#) [Login](#) [How to Request](#) [Help](#) [Home](#)



National Agricultural Library **AGRICOLA** Article Citation Database

[Databases](#) [New Search](#) [Patron Info](#) [Login](#) [How to Request](#) [Help](#) [Home](#)

Database Name: Article Citation Database , NAL Catalog

Search [Browse](#)

Search: equine all of these In: Keyword Anywhere

AND OR NOT

Search: lameness any of these In: Subject

AND OR NOT

Search: as a phrase In: Title

AND OR NOT

Search: as a phrase In: Author Name

25 records per page Search Reset

Search Hints

General

- If your search fails, check the drop-down menus and radio buttons. Set the Search: Box menu to retrieve terms as:
 - any of these
 - all of these
 - as a phrase
- In the In: Box, highlight the desired field:
 - Keyword Anywhere
 - Title
 - Subject
 - Author Name
 - Series
 - Source (Host Item - 773)
 - Subject Code (872a)

National Agricultural Library **AGRICOLA** Article Citation Database

[Databases](#) [New Search](#) [Patron Info](#) [Login](#) [How to Request](#) [Search History](#) [Help](#) [Home](#)

Simultaneous Searching

Database Name	Search Status
NAL Catalog	Done: 11 Records
Article Citation Database	Done: 238 Records
Stop	Show

[Databases](#) [New Search](#) [Patron Info](#) [Login](#) [How to Request](#) [Search History](#) [Help](#) [Home](#)

National Agricultural Library **AGRICOLA** Article Citation Database

[Databases](#) [New Search](#) [Titles List](#) [Patron Info](#) [Login](#) [How to Request](#) [Search History](#) [Help](#) [Home](#)

Database Name: Article Citation Database , NAL Catalog

Search Request: Search = (equine)[in Keyword Anywhere] AND (lameness)[in Subject]

Search Results: Displaying 1 through 25 of 249 entries.

1 26 51 76 101 126 ... 226 [Next](#)

#	Date	Title Long	Database
<input type="checkbox"/> [1]	1997	Fracture of the intercondylar eminence of the tibia treated by arthroscopic internal fixation.	Article Citation Database
<input type="checkbox"/> [2]	1997	Effects of triamcinolone acetonide on an in vivo equine osteochondral fragment exercise model.	Article Citation Database
<input type="checkbox"/> [3]	1997	Cutting.	Article Citation Database
<input type="checkbox"/> [4]	1997	Clinical and radiological assessment of corrective trimming in lame horses.	Article Citation Database
<input type="checkbox"/> [5]	2000	Lameness & laminitis in U.S. horses / [A.J. Kane ... et al.].	NAL Catalog
<input type="checkbox"/> [6]	1997	Equine lameness / [written by Christine King and Richard Mansmann].	NAL Catalog
<input type="checkbox"/> [7]	1996	Illustrated atlas of clinical equine anatomy and common disorders of the horse / Ronald J. Riegel, Susan E. Hakola ; illustrated by Jeffrey B. Dirig, Susan E. Hakola, Andrea O'Shea.	NAL Catalog
<input type="checkbox"/> [8]	1993	Guide to equine hoof wall repair / William Moyer, Robert D. Sigafoos.	NAL Catalog
<input type="checkbox"/> [9]	1993	Guide to equine joint injection / William Moyer.	NAL Catalog
<input type="checkbox"/> [10]	1993	Lameness in equine practice.	NAL Catalog
<input type="checkbox"/> [11]	1991	Proceedings of a course on nutrition and lameness in horses : Christchurch, July 1991 / convenor, Gunner V. Petersen.	NAL Catalog
<input type="checkbox"/>	1990	Equine lameness and foot conditions : refresher course for veterinarians, 5-9 February 1990 / technical coordinator, Deuben Rose.	NAL Catalog

National Agricultural Library **AGRICOLA** Article Citation Database

[Databases](#) [New Search](#) [Titles List](#) [Patron Info](#) [Login](#) [How to Request](#) [Search History](#) [Help](#) [Home](#)

Database Name: Article Citation Database

Search Request: Search = (equine)[in Keyword Anywhere] AND (lameness)[in Subject]

Search Results: Displaying 1 of 249 entries

Next

Brief Record

Full Record

MARC Record

Fracture of the intercondylar eminence of the tibia treated by arthroscopic...

Title: Fracture of the intercondylar eminence of the tibia treated by arthroscopic internal fixation.

Author: [Walmsley, J.P.](#)

Source Info: *Equine* veterinary journal. *Equine* vet. j. Mar 1997. v. 29 (2) p. 148-150.

Location: Stacks

Call Number: SF955.E6

Number of Items: 13

Status: v. 36, no. 1 2004 Jan. c.1 Lost - 03-15-05
v. 36, no. 2 2004 Mar. c.1 Lost - 04-01-05
v. 36, no. 4 2004 July c.1 Lost - 07-02-05
v. 36, no. 5 2004 Sept. c.1 Charged to TSD Indexing
v. 36, no. 6 2004 Sept c.1 Charged to TSD Indexing
v. 35, no. 7 2003 Nov. c.1 Charged to TSD Indexing
v. 36 no. 7 2004 Nov. c.1 Charged to TSD Indexing
v. 37, no. 1 2005 Jan. c.1 Charged to TSD Indexing
v. 36, no. 8 2004 Dec. c.1 Overdue - Due on 05-11-05
v. 37, no. 2 2005 Mar. c.1 Charged to TSD Indexing
v. 37, no. 3 2005 May c.1 Charged to TSD Indexing

Recent Issues: v. 37, no. 3 (2005 May)
v. 37, no. 2 (2005 Mar.)

10. NetVet : (<http://netvet.wustl.edu>)

Welcome to NetVet Veterinary Resources and the Electronic Zoo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://netvet.wustl.edu/> Go Links



[NetVet](#) & the [Electronic Zoo](#) originate from the vivid imagination and late night web-surfing of [Dr. Ken Boschert](#), a [Veterinarian](#) at [Washington University's](#) Division of Comparative Medicine, located in St. Louis, Missouri. Among this server's [Web Pages](#) are numerous views of [Veterinary Medical](#) and [Animal](#) resources available on the Internet and beyond. See [What's New](#) and be sure to visit this week's best animal-related Web site, the [Pick of the Litter](#). 

For a quick text overview of many of these resources, see the [Veterinary Medical Section](#) of the [World Wide Web Virtual Library](#). This server is designed as an educational resource for the entire Internet community. If you cannot find what you are looking for here, try [Searching the Web](#), or consider your local public library. If you need advice concerning your animals, **[ALWAYS consult your local veterinarian!](#)**



This site best viewed with

or

[Ken Boschert, DVM](#)
Associate Director
Washington University

start | Inbox - Microsoft Out... | Microsoft PowerPoint ... | Microsoft Photo Edito... | Welcome to NetVet V... | tyds@tuks - Microsof ... | 01:07 PM

Journals' contents pages

The screenshot shows a Microsoft Internet Explorer browser window displaying the Google South Africa homepage. The address bar shows the URL <http://www.google.co.za/>. The search bar contains the text "journal of dairy science". Below the search bar are two buttons: "Google Search" and "I'm Feeling Lucky". To the right of the search bar are links for "Advanced Search", "Preferences", and "Language Tools". Below the search bar, there are radio buttons for "the web" (selected) and "pages from South Africa".

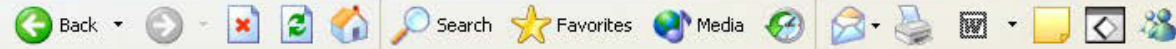
Google.co.za offered in: [Afrikaans](#) [Sesotho](#) [IsiZulu](#) [IsiXhosa](#)

[Advertising Programs](#) - [About Google](#) - [Go to Google.com](#)

[Make Google Your Homepage!](#)

©2005 Google - Searching 8,058,044,651 web pages

The taskbar at the bottom shows several open applications: Microsoft Photo Editor - [jds2.jpg], Microsoft PowerPoint, Microsoft Photo Editor, JD5 -- eTOCs - Micros..., and Google - Microsoft Int... The system clock shows 01:44 PM.



Web [Images](#) [Groups](#) [News](#) [more »](#)

journal of dairy science

Search

[Advanced Search](#)
[Preferences](#)

Search: the web pages from South Africa

Web

Results 1 - 100 of about 842,000 for [journal of dairy science](#). (0.34 seconds)

[Journal of Dairy Science](#)

Official publication of the American **Dairy Science** Association. Lists results of new research in **dairy** foods, physiology and management; nutrition, feeding, ...
jds.fass.org/ - [Similar pages](#)

[JDS -- Archive of Issues by Date](#)

... 1995 · 1996 · 1997 · 1998 · 1999 · [HOME](#) · [HELP](#) · [FEEDBACK](#) · [SUBSCRIPTIONS](#) · [ARCHIVE](#) · [SEARCH](#) · Copyright © 2005 by the American **Dairy Science** Association.
jds.fass.org/contents-by-date.0.shtml - [Similar pages](#)
[[More results from jds.fass.org](#)]

[Journal of Dairy Science](#)

The online version of the **Journal of Dairy Science** is available to members of the American **Dairy Science** Association. Upon becoming a member of the ADSA, ...
www.adsa.org/jds/ - 10k - [Cached](#) - [Similar pages](#)

[American Dairy Science Association \(ADSA\) Web Site Home](#)

Welcome to the Web site of the American **Dairy Science** Association! ... about our Association, the Annual Meeting and the **Journal of Dairy Science**. ...
www.adsa.org/ - 8k - 13 Jul 2005 - [Cached](#) - [Similar pages](#)
[[More results from www.adsa.org](#)]

[ANSinet:](#)

International **Journal of Dairy Science** Bi Annual Publication ... Biotechnology and food **science**. ::, Properties of milk proteins ...
www.ansinet.org/c4p.php?j_id=ijds - 19k - [Cached](#) - [Similar pages](#)

[ANSinet:](#)

International **Journal of Dairy Science** Bi Annual Publication ... Source, International **Journal of Dairy Science** 1(1): 1-7, 2005 ...
www.ansinet.org/current_issue.php?j_id=ijds - 28k - [Cached](#) - [Similar pages](#)

[Cambridge Journals Online - Journal Home Page](#)

Journal of Dairy Research publishes original scientific research on all aspects of mammary biology and **dairy science** including: the physiology, ...

Microsoft Photo Editor - [toc.jpg]

QUICK SEARCH: [advanced]
Author: Keyword(s):
Go
Year: Vol: Page:

[HOME](#) [HELP](#) [FEEDBACK](#) [SUBSCRIPTIONS](#) [ARCHIVE](#) [SEARCH](#)

Institution: **Pretoria Vet Sciences** [Sign In as Member](#)

JDS Online SUBSCRIBER HELP & SERVICES:

About eTOCs

The eTOC service allows anyone who registers their email address to be notified via email when new content goes online. You may choose to receive any or all of the following:

Notification that a new issue of Journal of Dairy Science is online.

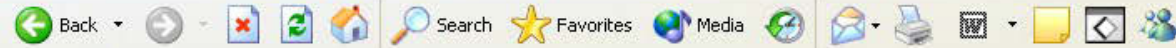
Complete table of contents for new issues.

Special Announcements from ADSA.

This is a free service -- [Sign up now!](#)

[HOME](#) [HELP](#) [FEEDBACK](#) [SUBSCRIPTIONS](#) [ARCHIVE](#) [SEARCH](#)

Copyright © 2005 by the American Dairy Science Association.



Web [Images](#) [Groups](#) [News](#) [more »](#)

elsevier contents

Search

[Advanced Search](#)
[Preferences](#)

Search: the web pages from South Africa

Web

Results 1 - 57 of about 2,310,000 for [elsevier contents](#). (0.77 seconds)

[Elsevier ContentsDirect](#)

Journal tables-of-contents and abstracts for **Elsevier** journals. Book tables-of-contents for forthcoming **Elsevier** books. Find out more... ..

contentsdirect.elsevier.com/ - 7k - [Cached](#) - [Similar pages](#)

[Elsevier ContentsDirect](#)

... and links to full text articles for entitled subscribers. Find out more...

Book tables-of-contents and price information for forthcoming **Elsevier** books. ...

contentsdirect.elsevier.com/AboutContentsDirect.html - 13k - 13 Jul 2005 - [Cached](#) - [Similar pages](#)

[[More results from contentsdirect.elsevier.com](#)]

[Elsevier.nl - De pagina kan niet worden weergegeven](#)

Indien u op zoek bent naar de meest actuele informatie op www.elsevier.nl, klik op de link: 'Laatste 24 uur' om deze informatie in te zien. ...

www.elsevier.nl/locate/ContentsDirect - 19k - 13 Jul 2005 - [Cached](#) - [Similar pages](#)

jake: [Elsevier contents](#)

jake: **Elsevier contents** (xrefs, 1065 total). get this list as delimited text ...

return to jake. jake queue id, title, issn, item_jake_id ...

jake-db.org/cgi-bin/dblist.pl?type=xref&jakeid=21340&title=Elsevier - 103k - [Cached](#) - [Similar pages](#)

www.elsevier.com/homepage/alert.htt?mode=direct&am...

[Similar pages](#)

[Elsevier.com](#)

Elsevier. Product information search. Search all **Elsevier** sites. Search.

Advanced Product Search. Go to **Elsevier** home page ...

www.elsevier.com/wps/find/productrelatednews.cws_home/?action=news_search&doctype=NA&newstype=pro... - 88k - 14 Jul 2005 - [Cached](#) - [Similar pages](#)

[[More results from www.elsevier.com](#)]

www.sciencedirect.com/science/journal/0883153X

[Similar pages](#)

www.sciencedirect.com/science/journal/0927538x

[Similar pages](#)



Welcome to ContentsDirect from Elsevier

Login

Enter ContentsDirect

First time user ?

Registration also entitles you to access the [Author Gateway](#) using the same username and password.

About ContentsDirect

ContentsDirect is the free e-mail alerting service which delivers directly to your desktop:

- Journal tables-of-contents and abstracts for Elsevier journals.
- Book tables-of-contents for forthcoming Elsevier books.

[Find out more...](#)

Did you know?



ContentsDirect e-mail alerts for journal tables-of-contents now provide users with direct links to the online abstracts and full text via ScienceDirect.

[Find out more...](#)



ContentsDirect Registration

1. Personal Details

Please fill in your details below. Use only characters a-z, A-Z, 0-9 and -_@. Note that you must provide entries marked with an asterisk.

Personal Details

Title : *

First Name : *

Surname : *

Email : *

Phone :

Fax :

Institution :

Department :

Address line 1 :

City : *

Postcode :

Country : *

[Privacy Policy](#)

Inbox

- Folder List
- Outlook Today - [Personal Fold...
 - Infected
 - ariel (22)
 - armand
 - armanda
 - Calendar
 - Contacts
 - Deleted Items (222)
 - Drafts (1)
 - erica
 - FACT
 - Fanie
 - gideon
 - hannes
 - heila (5)
 - hicsa
 - ibl
 - icahis
 - Ina
 - Inbox (92)
 - Irma
 - Journal
 - komplimente
 - leonora (4)
 - lisa
 - Notes
 - Outbox (1)
 - quarantine
 - RefMan (9)
 - Sent Items
 - Tasks
 - TLO
 - Unsent Messages
 - VRAESTELLE
 - VRM811 (1)
 - xml

From	Subject	Received
Ed/Debbie Portell	Re: to Trenton Boyd from Debbie in Columbia	Sat 2005/07/02 11:23 PM
Ed/Debbie Portell	to Trenton Boyd from Debbie in Columbia	Fri 2005/07/01 03:35 PM
Edward Summers	[XML4Lib] Re: [Web4lib] google sitemaps	Tue 2005/06/28 08:17 PM
eleine.roets@up.ac.za	Handbook of the birds of the world	Fri 2005/07/15 10:57 AM
Eleta Grimbeek	[Fwd: Langtermyn Bruikleen]	Tue 2005/06/07 02:36 PM
Elizabeth mckenty	Re: [Web4lib] Capturing web sites	Fri 2005/05/20 02:52 AM
El-Marie Mostert	ANE771 studiegids	Mon 2005/05/16 12:40 PM
Elsevier	The Journal of Veterinary Cardiology now at Elsevier	Mon 2005/07/04 05:18 PM
Elsevier	*****SPAM***** Elsevier Veterinary Medicine Newsletter	Fri 2005/06/03 04:27 PM
Enid Schoeman	Fw: Enjoy Today	Tue 2005/07/12 09:27 AM
Enid Schoeman	Fw: Good Morning	Fri 2005/07/01 09:41 AM

Dear Mrs Lourens,

Welcome to your first Veterinary Medicine newsletter! This monthly update will provide you with information on all Elsevier Veterinary Medicine products, from books to journals and all electronic resources.


Focus On **Essentials** **Meet Us @** **Our Journals**

Useful Links

- [ScienceDirect](#)
- [Author Gateway](#)
- [elsevierhealth.com](#)
- [Scirus](#)

Science Direct

View our veterinary journals on




Help

- [Update](#) your eAlert subscription
- [Request](#) a reminder for your eAlert password.

Focus On Merck Veterinary Manual 9e

This month's focus is on the 50th Anniversary Edition of the Merck Veterinary Manual. This comprehensive, reliable source of information includes the latest discoveries, facts and practices in animal health management. The 2-colour, 9th edition has been extensively revised and updated with 35 new chapters and 400 additional pages.

- Expanded coverage of new and emerging diseases such as West Nile virus and chronic wasting disease
- Broadened sections on emergency and critical care
- Revised and comprehensive information about exotic and laboratory animals
- Updated zoonoses reference table includes recent zoonoses and new content detailing clinical manifestations in humans
- Increased toxicology coverage: six new chapters on



Cynthis M. Khan, Scott Line

ISBN
0911910506
March 2005
Hardback
2700 Pages

£76.99 /

An aerial photograph of a university campus. The central focus is a large, multi-story brick building with a prominent green roof and several vertical white panels. To the left, there's another brick building with a similar green roof. In the foreground, a parking lot is filled with many white cars. The campus is surrounded by lush green trees and lawns. In the background, there are more campus buildings and a large open field.

Listserv

- Valuable way of networking
- Subscribe to Listservs e.g. Ruralvet, etc
- Learn from other people's experience

e-books: Merck Veterinary manual

Merck Veterinary Manual - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.merckvetmanual.com/mvm/index.jsp>

The Merck Veterinary Manual

Merck MERCK Merial

About Index Tables/Images User Guide Abbreviation Guide Purchase the Book

SEARCH GO advanced search

TABLE OF CONTENTS

- Circulatory System
- Digestive System
- Eye And Ear
- Endocrine System
- Generalized Conditions
- Immune System
- Integumentary System
- Metabolic Disorders
- Musculoskeletal System
- Nervous System
- Reproductive System
- Respiratory System
- Urinary System
- Behavior
- Clinical Pathology And Procedure
- Emergency Medicine And Critical Care
- Exotic And Laboratory Animals
- Management And Nutrition
- Pharmacology
- Poultry
- Toxicology
- Zoonoses
- Reference

Merck & Co., Inc. and Merial Limited are proud to present as a public service *The Merck Veterinary Manual - 8th Edition Online*.

This online text has now been superseded by publication of the Ninth Edition of *The Merck Veterinary Manual* in February 2005, and may contain inaccurate or outdated information. Users should refer to the new text for the most accurate information on treatments, available drugs, dosage regimens, and withdrawal times. The Ninth Edition may be purchased online at www.merckbooks.com.

Highlights of the Online Version:

- ▶ Includes over 12,000 indexed topics and over 1200 illustrations
- ▶ Rapidly search by topic, species, specialty, disease, and keyword using [advanced search](#)

Merck and Merial also sponsor the [Merck-Merial Scholars Summer Research Program](#).

© 2005; Merck & Co., Inc. in cooperation with Merial Ltd. All rights reserved. [Disclaimer / Feedback](#)

start | Inboxes - Microsoft Out... | The Journal of Veteri... | Microsoft PowerPoint ... | Merck Veterinary Man... | Microsoft Photo Edito... | 02:08 PM

e-books: Veterinary Care of Elephants

Veterinary Care of Elephants - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address http://bigfive.jl.co.za/elephant_book.htm Go Links

Electronic Books

Home Site Map Game Farm Management Game Farm Financial Management

Veterinary Care of African Elephants

Contents

- [Introduction](#)
- [Capture and transport](#)
- [Capture](#)
- [Transport](#)
- [Appendix 1-6](#)
- [Elephant Nutrition](#)
- [Diseases of Elephants](#)
- [Appendix 7-11](#)
- [References and acknowledgements](#)

Home Copyright © 2001 Big Five Veterinary Pharmaceutical Company (Pty) Ltd

start | Inboxes - Microsoft Outlook | The Journal of Veteri... | Microsoft PowerPoint ... | Veterinary Care of El... | Microsoft Photo Edito... | 02:11 PM

Evaluating Internet Resources

An aerial photograph of a university campus. The image shows several large, multi-story brick buildings with green roofs, interspersed with green lawns and trees. In the foreground, there is a large, paved parking lot filled with many cars. The background shows a vast, open landscape with rolling hills and fields under a clear sky.

- Purpose
- Content
- Presentation
- Source



Problems

- Time consuming
- Internet speed
- Computer illiteracy
- Cost of Internet access

Solution

- **The Academic Information Service (The Library) and its friendly and helpful personnel.**
 - **Contents Page Service**
 - **Become a “Friend of the Library”**
 - **Sign up for the Alert Service**
 - **Request Literature Searches**
 - **Request individual articles**



How can I save my information for future use?

- A **Blog** (<http://www.blogger.com>)
- A **Database** (e.g. Reference Manager <http://www.refman.com>)
- **Folders**



Already have an account? Sign in:

Username:

Password: (?)

SIGN IN

Remember me (?)

What's a **blog**?

TAKE A QUICK TOUR



Publish
thoughts



Get
feedback



Post
photos



Go
mobile

A **blog** is your easy-to-use web site, where you can quickly post thoughts, interact with people, and more. All for **FREE**.

Create a **blog** in **3**
easy steps:

- 1 Create an account
- 2 Name your blog
- 3 Choose a template

CREATE YOUR BLOG NOW

RECENT NEWS

Blogger Mobile has launched! Create and update your blog by sending a message from your mobile phone to go@blogger.com. [Check it out, there's even a jingle!](#)

Posted 5 May 2005 (by Biz.)

BRUCE IS MAD CUTE



[Share your photos](#) by uploading them to your blog for free. (Not only for cat photos.)



[contact us](#) | [about us](#) | [what's new](#) | [product info](#) | [support & services](#) | [purchase](#) | [home](#)

4.21.2004

PubMed
News Alert

What's new in v11?

- Web Publishing
- Subject bibliography
- XML import/export
- New output styles & much more

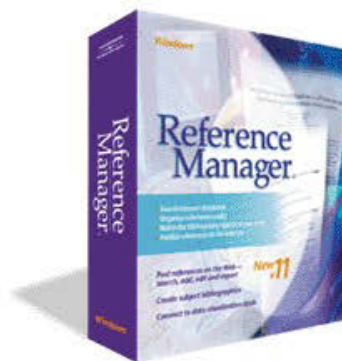
New tools for research

RefViz™
visualize references
sciPROOF™
proof manuscripts

Quick Links

- [Download Trial Version](#)
- [Register Software](#)
- [Offer Product Suggestions](#)

Reference Manager



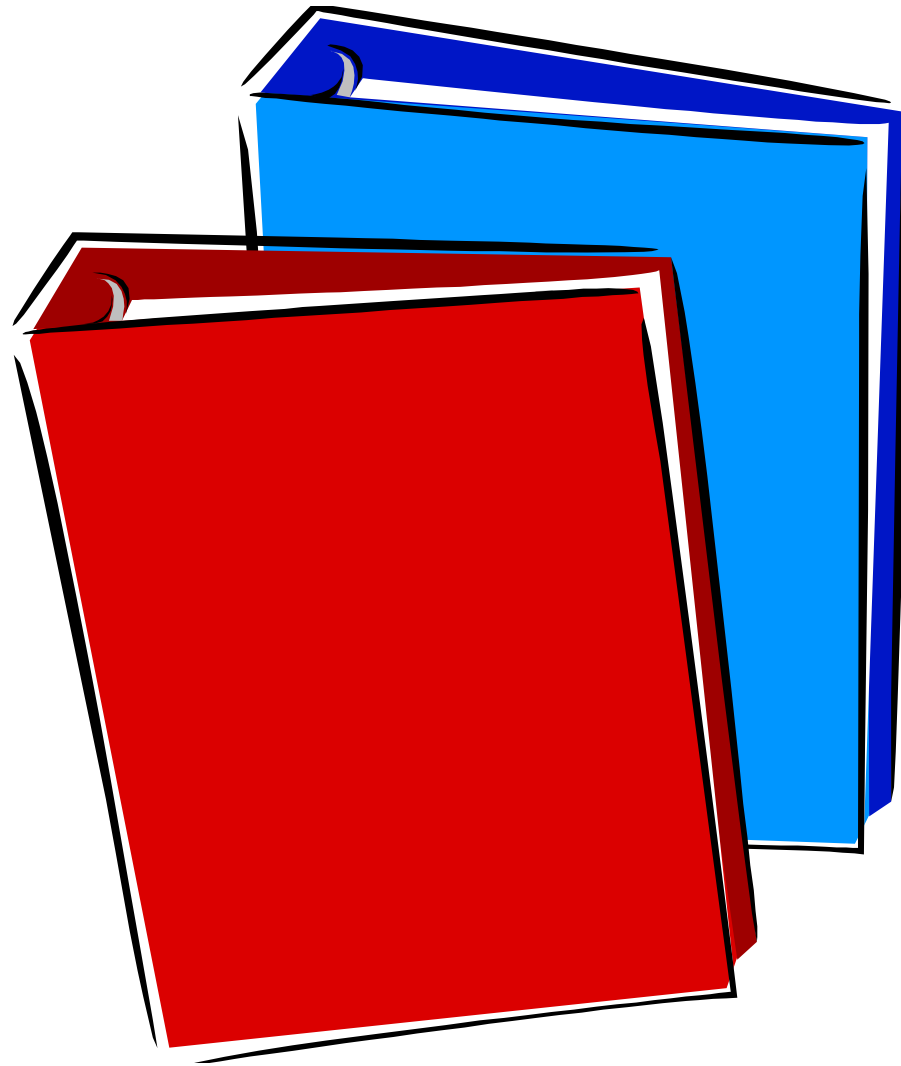
Bibliographies Made Easy on the Desktop and Web

- Search online databases
- Organize references easily
- Publish references on the Internet
- Watch your bibliography appear as you write!

♦ Upgrade now
♦ Buy your copy today

[Copyright](#) | [Privacy Policy](#) | [Terms of Use](#) | [Disclaimer](#)

Send questions, comments, or suggestions about this page to the [webmaster](#)





Conclusion

- **We are always willing to support you with your information needs**
- **The process of looking for information is an ongoing one.**
- **We want to take the nightmare out of retrieving and managing your information.**



Thank you.