

World Association of Veterinary Anatomists  
Association Mondiale des Anatomistes Vétérinaires  
Weltvereinigung der Veterinär Anatomen  
Asociación Mundial de Anatomistas Veterinarios

## WAVA NEWS

Newletters

### REMEMBER !!

WAVA supports Veterinary Anatomy and links veterinary anatomists throughout the world all at a miniscule cost for membership of five US dollar/year. For those who read this and are not already members of the WAVA please consider becoming a part of this association. Please request an application form from the secretary

## Important Addresses

### President

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### Secretary-General

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## Vice Presidents

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Region 2

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Region 3

Region 4

Prof. Dr. Y. Hayashi  
Dept of Veterinary Anatomy  
Faculty of Agriculture  
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Japan

REGIONAL ASSOCIATIONS OF VETERINARY ANATOMISTS.

From Prof. Y. Hayashi, D.V.M., Ph.D., President of JAVA  
Dept of Veterinary Anatomy, Faculty of Agriculture, University of Tokyo, Yayoi Bunkyo-ku,  
Tokyo 113, Japan.

On October 11-12, 1997, the general meeting of JAVA was held in Kagoshima University.  
On April 5-6, 1998, the general meeting and mini-symposium of JAVA were held in  
Utsunomiya. In the symposium Prof.Dr.Helmut Waibl (Hannover, Germany) and Prof.Dr.Yuhara  
Sukra (Bogor, Indonesia) made lectures on education in veterinary medicine in each country.  
Nomina Anatomica Avium Japonica will be published within a few months.

From Prof. Dr. G. Dobrovolsky

Saratov State Medical University, Dept. of Medical Cybernetics, B. Kazachia St. 112, 410710  
Saratov, Russia

In Russia

In april 1998- Jubilee Conference morpholigists in Tyumen (Prof. P. Dunaev).

In june 1998 will take place Congress of Association of morphologists in Nyzcny Novgorod.

In june 1998 will take place Conference of morphologists of Siberia and Dalny Vostok in Ulan  
Ude (Buryatian Republic).

In Saratov

In september 1997 was held scientific conference "Ecology and health" (in conference taken part of veterinary and medicine anatomists from Saratov Volgograd, Belgorod, Nyzchny Novgorod, Dubna, Astrachan, Tyumen, Kasan and al.).

In 15-16 september 1998 in Saratov took place of Constituent Conference of Russian Association of Veterinary Anatomists (RAVA). At the same time will be All-Russian Symposium "Morphological Problems of Pulmonology".

#### MEETINGS.

1999

Call for papers. We encourage our colleagues to attend with a scientific contribution(s) one or, even better, both congresses !!

If you are planning to attend one/both of these congress(es) please contact the respective scientific secretariat.

Rome, september 11 - 16, 1999

XV Congress of the International Federation of Associations of Anatomists (I.F.A.A.)  
Rome, Italy.

Information Contact Address:

Scientific Secretariat

XV Congress of I.F.A.A.

Istituto di Anatomia Umana Normale

Universita di Roma La Sapienza

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Lyon, september 23 - 29, 1999

XXVIth World Veterinary Congress combined with the  
XXIth Congress of the World Association of Veterinary Anatomists

Lyon, France.

Venue: Palais des Congrès de Lyon - Cité Internationale

50 Quai Charles De Gaulle

F69463 Lyon Cedex 06

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Mondial Vet 1999

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Internet: <http://www.mondialvet99.org>

#### RECENT BOOKS.

since 1995

- Laboratory Anatomy of the Cat Chiasson-Robert-B; Radke-William-J Dubuque : Wm-C-Brown-Publishers 1995 ISBN: 0697249263
- Ultrasonic Imaging and Animal Reproduction. Bk. 1, Fundamentals Ginther-O-J Cross Plains : Equiservices-Publishing 1995 ISBN: 0964007231
- Ultrasonic Imaging and Animal Reproduction. Bk. 2, Horses Ginther-O-J Cross Plains : Equiservices-Publishing 1995 ISBN: 096400724X
- Analysis of Vertebrate Structure Hildebrand-Milton, (Author), (Illustrator); Hildebrand-Viola New York : John-Wiley-and-Sons-Incorporated 1995 ISBN: 0471308234
- Vertebrate Histology Hull-Barbara Dubuque : Kendall/Hunt-Publishing-Company 1995 ISBN: 0787210102
- Vertebrates : Comparative Anatomy, Function, Evolution / KARDONG Kenneth V. Kardong-Kenneth-V Brown, Dubuque (Iowa) 1995 ISBN: 0697219917
- Laboratory Anatomy of the Fetal Pig Odlaug-Theron-O; Chiasson-Robert-B Dubuque : Wm-C-Brown-Publishers 1995 ISBN: 0697332977
- Illustrated Veterinary Guide for Dogs, Cats, Birds, and Exotic Pets Pinney-Christopher-C New York : McGraw-Hill-Professional-Publishing 1995 ISBN: 0070501793
- Color Atlas of the Horse's Foot Pollitt-Christopher-C Saint Louis : Mosby-Year-Book-Incorporated 1995 0815167431
- Animal Skeletons Presnall-Judith-J Danbury : Franklin-Watts-Incorporated 1995 ISBN: 0531111601
- Animals on the Inside: A Book of Discovery and Learning Ruiz-Andres-L New York : Sterling-Publishing-Company-Incorporated 1995 ISBN: 0806908319
- An Atlas of Fish Histology: Normal and Pathological Features Takashima-Fumio; Hibiya-Takashi New York : John-Wiley-and-Sons-Incorporated 1995 ISBN: 3437307827
- Ethologische, physiologische und histologische Untersuchungen zur Schmerzbelastung der Rinder bei der Enthornung / TASCHKE Alexander Christoph Taschke-Alexander-Christoph Universität Zürich, Veterinär-Medizinischen Fakultät, Zürich 1995

since 1996

- Color atlas of veterinary anatomy ASHDOWN Raymond R. ; DONE Stanley; EVANS Susan A. Ashdown-Raymond-R; Done-Stanley; Evans-Susan-A J.B. Lippincott Co., Philadelphia, PA 1996 ISBN: 0397583044
- Anatomie comparée des mammifères domestiques - Tome 5 Angiologie Barone-Robert Editions Vigot 1996 ISBN: 2711480763
- Methods in avian embryology / Ed. by Marianne-Bronner-fraser Bronner-Fraser-Marianne Academic press, San Diego (Calif. ) 1996 ISBN: 0125641532
- Comparative Vertebrate Neuroanatomy: Evolution and Adaptation Butler-Ann-B; Hodos-William New York : John-Wiley-and-Sons-Incorporated 1996 ISBN: 0471888893
- Color Atlas of Large Animal Applied Anatomy Clayton-Hilary-M; Flood-Peter-F; Mandeville-David Mosby-Wolfe, London 1996 ISBN: 0723417172
- Color atlas of veterinary anatomy Done-Stanley; Goody-Peter-C; Evans-Susan-A; Stickland-Neil-C Mosby-Year Book, Saint Louis, MO 1996 ISBN: 0397447213
- Textbook of veterinary anatomy Dyce-K-M; Sack-W-O; Wensing-Cornelis-Johannes-Gerardus Saunders, Philadelphia 1996 ISBN: 0721649610
- Avian Osteology Gilbert-B-Miles; Martin-Larry-D; Savage-Howard-G; Boenker-Willy Columbia : Missouri-Archaeological-Society 1996 ISBN: 0943414830
- Color atlas of veterinary anatomy 3: The dog and cat Goody-Peter-C; Evans-Susan-A; Done-Stanley-H Mosby-Wolfe, London 1996 ISBN: 0723424411
- Diseases of Cage and Aviary Birds - Third Edition Howard E. Evans Lea & Febiger Books 1996 ISBN: 0683073826

Miller's Guide to the Dissection of the Dog - Fourth Edition Howard. E. Evans - Alexander delahunta W.B. Saunders Company 1996 ISBN: 0721657486

Comparative Anatomy of the Vertebrates Kent-George-C; Miller-Larry Dubuque : Wm-C-Brown-Publishers 1996 ISBN: 0697243788

Fish Morphology: Horizon of New Research Munshi-J-S, (Editor); Dutta-Hiran-M Science-Publishers-Incorporated 1996 1886106312

Laboratory Anatomy of the Fetal Pig Odlaug-Theron-O; Chiasson-Robert-B Dubuque : Wm-C-Brown-Publishers 1996 ISBN: 0697333248

Embryologie der Haustiere : eine Kurzlehrbuch / Bertram Schnorr Schnorr-Bertram F. Enke, Stuttgart 1996 ISBN: 3432952031

Laboratory Exercises in Anatomy and Physiology with Cat Dissection Tortora-Gerard-J Paramus : Prentice-Hall 1996 ISBN: 0132375796

Methods in Cell Biology: Methods in Avian Embryology. Vol. 51 Wilson-Leslie, (Editor); Matsudaira-Paul-T; Bronner-Fraser-Marianne Academic-Press-Incorporated 1996 ISBN: 0125641532

Zur Anatomie und Morphometrie des Hermelins, Mustela erminia L. , 1758, insbesondere der Viscera thoracis und der Viscera abdominis Winkler-Gereon<BR>Justus-Liebig-Universität Giessen 1996 since 1997

Self-Assessment Color Review of Small Mammals Brown-Susan-A, (Editor); Rosenthal-Karen Ames : Iowa-State-University-Press 1997 ISBN: 0813820928

Lab Anatomy of the Mink Chiasson-Robert-B; Radke-William-J Dubuque : Wm-C-Brown-Publishers 1997 ISBN: 0697047938

The Vascular Pole of the Renal Glomerulus of Rats. Vol. 139 Elger-M; Sakai-T; Kriz-Wilhelm New York : Springer-Verlag-New-York-Incorporated 1997 ISBN: 3540632417

Dog Anatomy: A Pictorial Approach to Canine Structure Goody-Peter New York : State-Mutual-Book-and-Periodical-Service-Limited 1997 ISBN: 0851316360

Comparative Vertebrate Morphology: A Lab Dissection Guide - Vertebrates: Comparative Anatomy, Function and Evolution Kardong-Kenneth-V; Zalisko-Ed Dubuque : Wm-C-Brown-Publishers 1997 ISBN: 0697378799

The Projections to the Spinal Cord of the Rat During Development: A Time-Table of Descent Lakke-E-A New York: Springer-Verlag-New-York-Incorporated, Jan. 1997 1997 ISBN: 3540618783

The Central Nervous System of Vertebrates Nieuwenhuys-R; Donkelaar-H-J; Nicholson-Charles New York : Springer-Verlag-New-York-Incorporated 1997 ISBN: 3540560130

Beginner's Guide to Animal Autopsy: A Hands-In Approach to Zoology Parker-Steve; Shone-Rob Brookfield : Millbrook-Press-Incorporated 1997 ISBN: 0761307028

Anatomy of a Horse Ramey-David-W Macmillan-Publishing-Company-Incorporated 1997 0876056850

The Bird Remains Identification System: Mav Version Tel-Aviv-University-Staff; ETI-Staff New York : Springer-Verlag-New-York-Incorporated 1997 3540146296

Dissection of the Frog Walker New York : W-H-Freeman-and-Company 1997 0716726378

Dissection of the Rat Walker-Warren New York : W-H-Freeman-and-Company 1997 ISBN: 0716726351

since 1998

The Cat Anatomy Laboratory Fishbeck-Dale-W; Sebastiani-Aurora Englewood : Morton-Publishing-Company, Jan. 1998 1998 ISBN: 0614186684

Animal Science Anatomy and Physiology Gillespie; Colverson Albany : Delmar-Publishers 1998 ISBN: 076680190X

Understanding the Equine Foot: Your Guide to Horse Health Care and Management Jurga-Fran Lexington : Blood-Horse-Incorporated-The 1998 ISBN: 0939049961

The Establishment of Spermatogenesis in the Seminiferous: Epithelium of the Pubertal Golden Hamster (*Mesocricetus Auratus*) Miething-Andreas New York: Springer-Verlag-New-York-Incorporated 1998 ISBN: 3540636552

Veterinarian's Anatomy and Physiology Molgaard Albany : Delmar-Publishers 1998 ISBN: 0827378718

The Fetal Pig Anatomy Laboratory Smith-David-G; Schenk-Michael-P Englewood : Morton-Publishing-Company 1998 ISBN: 0895823632

Avian Growth and Development: Evolution within the Altricial-Precocial Spectrum Starck-J-Matthias, (Editor); Ricklefs-Robert-E New York: Oxford-University-Press-Incorporated 1998 ISBN: 0195106083

Animal Structure and Function Starr Belmont : Wadsworth-Publishing-Company 1998 0534530087

A Photographic Atlas of Cat Anatomy: With Sheep Heart, Brain, Eye, Kidney Dissection Timmons-Michael-J Orland Park : Spyglass-Publications, Jan. 1998 1998 ISBN: 0962755923

#### WAVA Elections of officers

The WAVA election of officers will take place at the 21th General Assembly in September, 1999 at Lyon, France.

In the WAVA constitution the following rules were specified

- The Executive Committee is composed of a President, four Vice presidents of equal rank, a Secretary-General, and a Treasurer. With the exception of the Treasurer, the term of office of the Executive Committee covers the period between two Regular General Assemblies, if that period is not less than two years.
- The President and the Secretary-General are elected by vote of the membership.
- The Vice President is elected by the members from the geographic zone assigned to the Vice President.
- The Treasurer is elected by the membership. His term of office covers the periods between three Regular General Assemblies.
- All of the officers may be elected to succeed themselves once, except that the President may not succeed himself.

This means that the following offices became vacant:

- president
- secretary-general
- vice president for one of the four regions.

The complete sequence of events is planned as follows:

December 1998: the Secretary-General shall remind the Presidents of the collective members, by letter, of the date of the election and solicit nominations. Nominations may be made by the collective members or by any group of ten individual members in good standing who have obtained the written consent of their nominee. Except for new members, only members in good standing may be nominated for office.

June 1999: the Secretary-General will compile the nominations for each office and inform the Executive Committee.

June 1999: the Secretary-General will send one ballot to each active and each associate member in good standing. All members in good standing may vote for the President, the Secretary-General, and the Treasurer. On the ballot the candidates for Vice President will be segregated by region and the members will vote for only one candidate of their region.

September 15, 1999: Completed ballots must be received by the Secretary-General before this date. The ballots will be opened during the General Assembly in Lyon.

September, 1999: the candidate for each office who receives the most votes shall be declared elected by the General Assembly.

## Special News

### Veterinary Anatomical Nomenclature

Prof. Dr. Josef Frewein, Chairman of the International Committee on Veterinary Gross Anatomical Nomenclature (ICVGAN), wrote the following letter to all members of the I.C.V.G.A.N.

Zurich, September, 1998

To all members of the ICVGAN

#### Report of the Chairman

During the last 4 years 2 members resigned and with sadness we have to report that Prof. R. Kitchell, Davis, California, passed away last year. Prof. Kitchell was member of the ICVGAN since the foundation of this body in 1957 and acted as Chairman of the Subcommittee Systema nervosum autonomicum and as a member of the Subcommittees Systema nervosum periphericum and Organa sensuum. He was very active and contributed a lot to our activities. On the other hand 16 new members joined the ICVGAN but we urgently need even more young anatomists as active members with interest in the work of the anatomical nomenclature, because many of the older members retire and can not be as active as before. Please feel free and let me know if anyone of your colleagues wish to join our international committee. For your information an updated list of the present membership of the ICVGAN is added to this report.

The number of copies of Nomina Anatomica Veterinaria on stock will be sufficient for the next three years. This means that we can use this period of time to consider proposals for changes and additions of terms in the existing list of Nomina Anatomica Veterinaria and can introduce new specific terms for Camelus dromedarius (dr) and of Lama guanicoe glama (la) as well as for the rabbit, Oryctolagus cuniculus (cu). Proposals for additions and changes may be sent either to:

Prof. Dr. H. Waibl, Bischofsholer Damm 15, D-30173 Hannover (Secretary of ICVGAN) or to Prof. Dr. J. Frewein, Winterthurerstrasse 260, CH-8057 Zurich (Chairman of ICVGAN).

In the human Nomina Anatomica the parts for Gross Anatomy and Neuroanatomy are completed and should have been published in May this year. They will be presented as a book as well as a CD-Rom. The official terms are in Latin but there are given English equivalents in a second column. Many new terms with clinical relevance were added.

Now to my person: By the end of August this year I retired and want to hand over the Chairmanship of the ICVGAN to a younger active anatomist. I am member of the ICVAN since the beginning in 1957 and was member of the Editorial Committees of all 4 editions of Nomina Anatomica Veterinaria. From 1967 - 1992 I acted as Secretary and since 1992 as Chairman of the ICVGAN. I enjoyed very much the activities in these different committees and learned a lot during the many scientific discussions. I appreciate the cooperation with the many members of the ICVGAN of the different fields of anatomy and the different countries of the world and thank all of them for their valuable contributions. Now an election of a new Chairman is necessary and this will be prepared for the next General Assembly of the World Association of Veterinary Anatomists (WAVA) in connection with the next World Veterinary Congress in Lyon, September 23-26, 1999.

The only candidate for the new chairman, who is willing to take over this position if elected, is Prof. Dr. Helmut Waibl, Hannover. Now he is the Secretary of our organization and therefore we have to elect also a new Secretary. For this position we have also only one candidate: Prof. Dr. Hagen Gasse, Hannover.

Dr. med. vet. Helmut Waibl, born 1944, is Professor and Head of the Department of Anatomy on the Tierärztliche Hochschule Hannover, Germany. Since 1992 he is acting as Secretary of the ICVGAN and has good knowledge of Latin terminology.

Dr. med. vet. Hagen Gasse, born 1954, is also Professor of Anatomy on the same department as Prof. Waibl, is an active member of the ICVGAN since 1996, and has also good knowledge of Latin terminology.

... At the General Assembly of the ICVGAN in Lyon, September 1999 the envelopes will be opened and the votes be counted. ...

Prof. Dr. J. Frewein, Chairman

#### I.CV.G.A.N. Subcommittees

Chairman: Professor J. Frewein, Veterinär-Anatomisches Institut der Universität, Zurich, Winterthurerstrasse 260, CH-8057 Zurich, Switzerland

Secretary: Professor H. Waibl, Anatomisches Institut der Tierärztlichen Hochschule Hannover, Bischofsholer Damm 15, D-30173 Hannover, Germany

#### Termini generales, Partes et Regiones corporis:

Professor D. Behrens von Rautenfeld, Zentrum Anatomie, Medizinische Hochschule Hannover, Carl-Neuberg-Str. I, D-30623 Hannover, Germany

Professor E. Kleiss, Venezuela

Professor H. Wissdorf, Germany

#### Osteologia et Arthrologia:

Professor K.D. Budras, Institut für Veterinär-Anatomie, Freie Universität Berlin, Koserstrasse 20, D-14195 Berlin, Germany

Professor K. Babic, Croatia

Professor R. Barone, France

Professor R. Berg, Germany

Professor H.E. Evans, U.S.A.

Professor Y. Hashimoto, Japan

Dr. J. W. Maierl, Germany

Professor M.J. Shively, U.S.A.

Professor H. Waibl, Germany

#### Myologia:

Professor G. Feher, Allatorvostudományi Egyetem, Anatómiai és Szövet-tani Tanszék, Landler Jenő u.2, H-1078 Budapest VII, Hungary

Professor R. Barone, France

Professor T. Fujioka, Japan

Dr. I. W. Maierl, Germany

Professor K. Swiezynski, Poland

#### Splanchnologia:

Professor R.E. Habel, Department of Veterinary Anatomy, Cornell University, Ithaca, New York, 14853, U.S.A.

Professor R.R. Ashdown, Great Britain

PD Dr. A. Boos, Germany

Professor J. Frewein, Switzerland

Dr. P.H. McCarthy, Australia

Professor A.S. Saber, Egypt

Professor C.J.G. Wensing, The Netherlands

#### Angiologia:

Professor P. Simoens, Faculteit Diergeneeskunde, Universiteit Gent, Salisburylaan 133, B-9820 Merelbeke, Belgium



Dr. S. Breit, Austria  
 Prof. S. Godynicki, Poland  
 Dr. W. Munster, Germany  
 Dr. L.L Saar, Canada  
 Prof. W. Rerkamnuaychoke, Thailand  
 Professor B. Vollmerhaus, Germany  
 Systema nervosum centrale:  
 Professor J.E. Breazile, College of Veterinary Medicine, Oklahoma State University, Stillwater, Oklahoma 74078, U.S.A.  
 Professor R. Barone, France  
 Professor H.D. Deilmarm, U.S.A.  
 PD Dr. H. Gasse, Germany  
 Professor C.V. Kanan, Sudan  
 Professor A.N. Karamanlidis, Greece  
 Professor K. Mochizuki, Japan  
 Professor I. Salazar, Spain  
 Professor A. Weyns, Belgium  
 Systema nervosum periphericum:  
 Professor R.C. McClure, College of Veterinary Medicine, University of Missouri, Columbia Missouri 56201, U.S.A.  
 Professor G. Constantinescu, U.S.A.  
 Professor J. Frewein, Switzerland  
 Dr. E.J. Kirk, New Zealand  
 Systema nervosum autonomicum:  
 Professor J.F. Amann, U.S.A.  
 Professor J. Frewein, Switzerland  
 Professor Dr. C. Knospe, Germany  
 Organa sensuum:  
 Professor J.E. Breazile (vide supra)  
 PD H. Augsburg, Switzerland  
 Professor T.F. Fletcher, U.S.A.  
 Integumentum commune:  
 Professor H. Wilkens, Anatomisches Institut der Tierärztlichen, Hochschule Hannover, Bischofsholer Damm 15, D 30173 Hannover, Germany  
 PD Dr. H. Bragulla, Germany  
 Professor H. Geyer, Switzerland  
 Dr. Ch. Mulling, Germany  
 Dr. W. Mtinster, Germany

Prof. Dr. H. E. Evans informed the secretary-general about his visit to Japan in 1997 by means of the following letter.

"... . Howie Evans and his wife Erica have recently returned from Tokyo where he was a guest of the Japanese Association of Veterinary Anatomists. Their president Dr. Takashi Makita, asked him to speak about veterinary anatomical teaching in North America, and more particularly about the new curriculum at Cornell. They had a wonderful time and the Japanese Veterinary Anatomists made him Honorary Member #9.

In Japan there are 11 national and 5 private Veterinary Schools in various parts of the country. He visited Tokyo University where Dr. Hayashi has recently been appointed Director of the Museum where the collections are being digitalized on discs. The cherry blossoms were out at Nihon University in Fujisawa where the anatomists meeting was held.

Dr. Kimura with his wife took Howie and Erica to see the Great Buddha of Kamakura and the beautiful temple gardens.

Dr.Makita flew them south to Yamaguchi University and drove them to several sites including the Akiyoshi limestone Caverns and the city of Shimonoseki overlooking the entrance to the inland sea. He treated them to a full-course Fugu dinner (poisonous if not prepared properly). When back in Tokyo Dr.Hideki Endo of the National Science Museum gave them a tour of the excellent comparative anatomy exhibits he had prepared. The museum has good examples of the fossil Japanese elephant, rhinoceros, Giant deer, and horned rodent. Before leaving Tokyo, Dr.Ninomiya thru Dr.Asari, honored Howie with a medallion of thanks from Azabu University...."