

*RHENEN, MARCH 1983*

THE ELEVENTH SYMPOSIUM OF THE EUROPEAN ASSOCIATION FOR AQUATIC MAMMALS.

*Dr Andersen* presented data on the frequency of suckling, milk intake and analysis of seal milk to try and elucidate the problem of abandoned seals showing a zero growth rate in the first 2 or 3 weeks of captivity compared with a rate of 0.8 kg a day under normal conditions.

Mr S.H. Andersen, Fysiologisch Institut, Odense Universitat, Campusvej 55, DK 5230 Odense, DENMARK.

*Dr van Nie* compared the morphology and topography of the heart of seals, such as the fur seal which use a locomotion on land akin to normal terrestrial quadrupeds, and the hearts of common seals which carry their chest very close to the ground when walking on land.

C.J. van Nie, DVM, Department of Anatomy & Biomechanics, Free University, Amsterdam, THE NETHERLANDS.

*Mr Tougaard* described the results from freeze branding hand reared Harbour seals before release and commented on the duration of visibility of such a mark.

Sv. Tougaard, Fiskeri-og Sofartsmuseet, Saltvandsakvariet, DK-6700 Esjberg, DENMARK.

*Mr De Block* reported on change in the running of the filters in the Dolphinarium at Antwerp by replacing aluminium sulphate with aluminium hydroxychloride, and pointed out that this could lead not only to a saving in the use of salt but the amount of hypochlorite normally used.

P. De Block, Kon. Maatschappij voor Dierkunde, Koningin Astridplein 26, B-2000 Antwerpen, BELGIUM.

*P.F. Bunge* gave a very clear exposition on the methods used for the extraction of pure sea salt and stressed the importance of cleanliness in its manufacture. As a result the composition maintained a purity of over 99.8%.

P.F. Bunge, Akzo Zout Chemie, Hengelo, THE NETHERLANDS.

*Mr Riddell* showed interesting slides introducing to members the idea of breaking up the formal pattern of pools for aquatic mammals and visually showed by means of slides some interesting concepts he was building at his collection at Antibes.

M. Riddell, Marineland Cote d'Azur, Avenue Mozart, 06600 Antibes, FRANCE.

*Dr Brumsted* gave a very clear exposition of the reasons behind and the present operation of the Marine Mammal Protection Act. of 1972.

Dr R.B. Brumsted, Office of Protected Species and Habitat Conservation, National Marine Fisheries Service, Washington DC 20235, U.S.A.

*Dr Baker* compared the different rates of mortality in wild Grey seal pups on a number of islands in the North of the British Isles and postulated on the reasons for this, comparing the death rate with the variation in the environment.

J.R. Baker, Department of Veterinary Pathology, University of Liverpool, Liverpool, GREAT BRITAIN.

*Dr van Nie* continued his investigations on the heart of the Common seal pointing out anatomical features of the heart's conducting system.

C.J. van Nie, Department of Anatomy & Biomechanics, Free University, Amsterdam, THE NETHERLANDS.

*Dr Suzanne Kennedy-Stoskopf* described a condition in a Californian sealion related to infection with yeasts.

Dr S. Kennedy-Stoskopf, John Hopkins University, Baltimore, Maryland 21205, U.S.A.

*Dr van Foreest* reported on two cases of dermatomycosis in Sealions and their successful treatment.

A.W. van Foreest, Staff Veterinarian Ouweland Zoo, van Lennepweg 7, 6862 BK Oosterbeek, THE NETHERLANDS.

*Mr Greenwood* reported on 5 cases of lymphosarcoma in Pinnipeds and postulated on their causative agents being transmissible.

A.G. Greenwood, Hainsworth House, Damems Lane, Keighley, Yorkshire, GREAT BRITAIN.

*Dr Michael Stoskopf* gave a very clear paper on the ocular anterior segment of the captive Pinniped and discussed a number of conditions which could be found in these creatures.

M.K. Stoskopf, National Aquarium in Baltimore, Pier 3, 501 E. Pratt Street, Baltimore, Maryland 21202, U.S.A.

*Dr van der Kamp* reported on a Clostridial infection in two young Seals and discussed the prevention of such conditions for the future.

J.S. van der Kamp, Gezondheidsdienst voor dieren in Noord-Nederland, Postbus 30014, 9700 RH Groningen, THE NETHERLANDS.

*Messrs Greenwood & Taylor*, in presenting their summary of clinical and pathological findings on dolphins in 1982, reported on the greatly increased survival rates of the animals and therefore a reduction of disease.

A.G. Greenwood & D.C. Taylor, International Zoo Veterinary Group, Hainsworth House, Damems Lane, Keighley, Yorkshire, GREAT BRITAIN.

*Mr. Wiepkema* reminded us all of the basics of animal ethology and pointed out where such programmes could be utilised in studying aquatic mammals.

P.R. Wiepkema, Agricultural University, Postbus 338, 6700 AH Wageningen, THE NETHERLANDS.

*Mr de Groot* summarised the birth of two Fur seals and the behaviour of the animals both during and after birth, and the possible reasons for the death of the second one.

K. de Groot, Dolfrado, Dieterensestraat 9-13, Stein, THE NETHERLANDS.

*Professor Harrison and Dr Klinowska* assisted by *Miss Jane Nicholson*, presented further remarks on the size and conformation of the brain of *Tursiops*, and the behaviour of three such animals at Whipsnade which had been studied by video and sound recordings.

R.J. Harrison, M. Klinowska and J. Nicholson, Anatomy Departments University of Cambridge, Downingstreet, Cambridge, GREAT BRITAIN.

*Dr Reynders* reviewed observations he had taken on one of the Isles of Orkney off the Scottish coast including the collection of basic data on several aspects of the breeding behaviour like tidal rhythm and length of suckling.

Dr P.J.H. Reynders, Research Institute for Nature Management, Postbus 59, 1790 AB den Burg (Texel), THE NETHERLANDS.

*Dr Michael Stoskopf* reviewed factors involved in stress and emphasised the importance of quantitative behavioural assessment integrated with characterisation of the environment, as a tool in the health management of captive marine mammals.

M.K. Stoskopf, National Aquarium in Baltimore, Pier 3, 501 E. Pratt Street, Baltimore, Maryland 21202, U.S.A.

*Dr de Smet* continuing his work on European fossil remains of whales reported on the presence of the Grey whale in the North Sea in prehistoric times. He related their disappearance to the possibility of pressure from whaling.

W.M.A. de Smet, Kon. Belgisch Instituut voor Natuurwetenschappen, Vautierstraat 31, B-1040 Brussels, BELGIUM.

*Mr Aguilar* showed some excellent slides of the species of Cetacea which he had encountered in the Eastern North Atlantic off the coast of Spain and amazed the audience by the variety he had recorded.

A. Aguilar, Department Zoology (Vertebrates), Faculty of Biology, University of Barcelona, Barcelona 28, SPAIN.

*Dr. van Haaften* reported on the distressing situation regarding the Monk seal in Portugese waters and pleaded for the Portugese Government to take measures to remove the pressure of human tourists on the few breeding areas still left.

Dr. J.L. van Haaften, Research Institute for Nature Management, Kemperbergerweg 67, Arnhem, THE NETHERLANDS.

*Dr Waller* presented a very interesting paper on the Beaked whale on the coast of Japan examining not only the anatomy but the presence of ectoparasites which he found on a recent trip.

Dr G. Waller, 25 Arterberry Road, Wimbledon, London SW20 8AF, GREAT BRITAIN.

*Dr Solangi* reported on the work being carried out in the Mississippi Sound establishing basic data on blood chemistry, age, morphometrics, herd discreteness and social dynamics and movements throughout the area.

M.A. Solangi, Marine Animal Productions Inc., 150 DeBuys Road, Biloxi, MS 39531, U.S.A.

*Dr. Klinowska* summarised the facts of stranding round particularly the British Isles, divided them into their various entities and suggested how they could be further categorised.

Dr M. Klinowska, Anatomy Department, University of Cambridge, Downing Street, Cambridge, GREAT BRITAIN.

*Dr Reynders* reviewed some thoughts of the causation of stranding of marine mammals and in the absence of *Lenie 't Hart* summarised the procedure for the recovery, care and handling of stranded Seal pups on the Dutch coast. It was encouraging to the audience to appreciate the percentage which were now being successfully returned to the wild.

P.J.H. Reynders, Research Inst. for Nature Management, Postbus 59, 1790 AB Den Burg, THE NETHERLANDS.

*Dr Klinowska* gave some extremely interesting information relating to geomagnetic anomalies and the sites of mass strandings especially round the British Isles. Although not conclusive, she certainly raised some very interesting new thoughts on the causation of these disturbing events. *Dr Klinowska* then introduced a 10 minute video tape showing some of the behaviour of the Whipsnade dolphins as reported in the earlier paper.

*Dr M. Klinowska*, Anatomy Department, University of Cambridge, Downing Street, Cambridge, GREAT BRITAIN.

*Mr Terry* commented on the differences between the training of *Sotalia* and *Tursiops* and postulated whether *Sotalia* may provide new insights into dolphin sonar capabilities.

R.P. Terry, Laboratory for Information Theory, Technical University Delft, Makelweg 4, Delft, THE NETHERLANDS.

*Messrs Kamminga and Wiersma* whose paper was fully introduced by *Dr van Heel* commented on and displayed recordings of a number of animals comparing in particular a two component sonar as between in shore and off shore dolphins.

C. Kamminga and H. Wiersma, Laboratory for Information Theory, Technical University Delft, Makelweg 4, Delft, THE NETHERLANDS.

*Dr Gauckler* summarised details of the breeding of 2 Manatees at Nuremberg since 1979.

*Dr A. Gauckler*, Tiergarten Nuremberg, D-8500 Nuremberg, WEST GERMANY.

*Mr Stanzani* showed a short commercial videotape on his dolphinarium in Riccione.

L.A. Stanzani, Adriatic Sea World S.N.C., Di Sandro Corazza & Guiseppa Caniglia, Lungomare Della Republica, 470 Riccione, ITALY.

Members should note that additional copies in more detail of these abstracts may be obtained direct from *Dr van Foreest* at van Lennepweg 7, 6862 BK Oosterbeek, THE NETHERLANDS, on payment of 10 guilders.

Ed/VJAM