

The 9th Nordic Conference on Reindeer Research, Uppsala, Sweden, 18-20 November, 1996.

The conference was arranged in Uppsala 18-20 November, 1996 by NOR and Svensk Renforskarförening (Programme committee: *Claes Rebbinder*, *Öje Danell*, *Birgitta Åhman* and *Mats Lindén*). Ninety-two participants (scientists, administrators, and persons representing reindeer husbandry) attended the meeting.

The chairman of Svensk Renforskarförening, *Claes Rebbinder*, opened the meeting and the dean of SLU (Swedish University of Agricultural Sciences), *Thomas Rosswall*, addressed a welcome to Uppsala and made a presentation of SLU.

The first day was assigned to the topic "Reindeer husbandry and predators", with 8 lectures and a few posters. The day finished with a panel discussion (Panel: *Kristian Overskaug*, *Robert Franzén*, *Mats Lindén*, *Annfinn Pavall*, *Timo Helle*, *Ola Jennersten* and *Bror Saitton*, Chair: *Anders Angerbjörn*).

The second day was mainly assigned to "Nutrition, pasture and feeding". There were 8 lectures also on this subject.

Totally about thirty posters were shown at the meeting, half of them on physiology and veterinary medicine. The authors generally had spent much work on producing good posters with a clear message and nice lay-out.

A visit at the National Veterinary Institute (SVA) ended the meeting. The visitors were given a presentation of SVA by the director, *Lars-Erik Edqvist*, information about service to reindeer husbandry (*C. Rebbinder*), a presentation of the Dept. of Chemistry (*V. Galgan*) and the Dept. of Parasitology (*M. Steen*). The participants were also shown electron microscopy (*T. Nikkilä*) and there was a demonstration of autopsy and a presentation of the Wildlife Department (*C. Hård af Segerstad*).

For the first time a book with programme and abstracts was produced for the meeting. It is still possible to order the abstract book from the organising committee secretariat (*Susanna Westerberg*, SVA, P.O. Box 7073, S-750 07 Uppsala, phone: +46 (0)18 674182, fax: +46 (0)18 674364, e-mail: susanna.westerberg@sva.se). Special proceedings from the meeting will not be published, but authors presenting lectures and posters are invited to submit manuscripts for ordinary publication in NOR's journal *Rangifer*.

List of lectures on Topic 1 - Reindeer husbandry and predators:

Robert Franzén (invited speaker): Rennäring och rovdjur (Reindeer husbandry and predators).

Mats-Rune Bergström (co-authors: H. Attergaard, J. From & H. Mellquist): Järv, lodjur och varg i det svenska renkötsel-området 1996 (Wolverine, lynx and wolf in the Swedish reindeer herding area in 1996).

Arild Landa (co-authors: O. Strand, J.E. Swenson & T. Skogland): Interrelationships between wolverines and their prey in southern Norway.

Mats Lindén (co-authors: P. Segerström, J. Stuge & R. Franzén): Järv- och lodjurprojekten i Kvikkjokk-området (The wolverine and lynx projects in the Kvikkjokk area).

Kai Nybakk (co-authors: T. Kvam, K. Overskaug, O. Kjelvik, O.J. Sørensen & P. Sunde): Semi-domesticated reindeer mortality in Central Norway

Kristian Overskaug (co-authors: P. Sunde, P. Moa, A. Negård & T. Kvam): Lynx predation on reindeer pastures - Are lynx movements directed by the presence of reindeer?

Lars-Ove Jonsson: En statlig rovdjurspolitikk - finnes den? (Are there a state policy concerning predators?)

Gustaf Åhman: Renskötsel och rovdjur - Utvärdering av studier under 70- och 80-talet (Reindeer husbandry and predators - studies made 1974-1986).

List of lectures on Topic 2 - Nutrition, pasture and feeding:

Hans Staaland (invited speaker): Reindeer are adapted to utilise limited natural resources in the north - Shall we support their energy and nutrient requirements by artificial feeding?

Per Mikael Utsi: Differences in lichen palatability to reindeer caused by chemical extraction of lichen.

Eldar Gaare: Bæreevneproblemet - Hvordan avstemmer vi reinbestanden til beiteresursene? (The carrying capacity problem - How do we balance a reindeer population to the pasture resources?)

Timo Helle (co-authors: I. Kojola, E. Huhta & A. Niva): Effects of lichen biomass on female reindeer growth pattern and body condition.

Jouko Kumpula (co-authors: A. Colpaert, M. Nieminen): Winter ranges and productivity in reindeer stock in Northern Lapland, Finland.

Alfred Colpaert (co-authors: J. Kumpula, M. Nieminen): Pasture inventory of the Finnish reindeer management area using landsat TM images.

Tatiana Vlasova: Do we have appropriate ways to express lichen growth?

Erik Ågren (co-author: C. Reh binder): Mortalities in farmed reindeer (Case report).

List of Posters:

Predators, handling and general subjects:

S. Eftestøl, J. Coleman & E. Reimers: *Fright distances of Forelhogna reindeer after disturbance by humans on foot or skis.*

O. Kjellvik, K. Nybakk, T. Kvam & K. Overskaug: *Reindeer calf mortality in Central Norway.*

M. Nieminen & H.J. Norberg: *Predation on semi-domesticated reindeer in Finland from 1976–95.*

T. Pudas, E. Eloranta, J. Pudas & J. Ylönen: *Zoological gardens, University of Oulu.*

B. Åhman: *Radiocaesium in lynx (Lynx lynx) in reindeer pasture land in Sweden.*

B. Åhman: *Transfer of radiocaesium via reindeer to man – the effect of countermeasures used in Sweden after the Chernobyl accident.*

Nutrition, pasture and feeding:

H. R. Christiansen & N. J. C. Tyler: *Changes in the body mass of free-ranging reindeer during winter.*

A. Colpaert, J. Kumpula & M. Nieminen: *Reindeer, pastures and satellites.*

G. Gotaas & N. J. C. Tyler: *Use of the doubly labelled water method for studying energy expenditure in reindeer (Rangifer tarandus tarandus).*

U. Heiskari & M. Nieminen: *Dried green in winter feeding of reindeer.*

K. Mesteig, N. J. C. Tyler & A. S. Blix: *Heart rate and food intake in Norwegian reindeer.*

T. Vlasova: *Growth rate of Cladina species in Northern Sweden.*

N. Tyler, E. Ropstad, A. Rognum & O. Johansen: *The live body mass of free-ranging reindeer decreases most rapidly early in winter.*

Physiology and veterinary medicine:

V.M.H. Barnier, E. Wiklund, K. Lundström, F. J. M. Smulders & G. Malmfors: *Proteolytic enzyme and inhibitor levels in reindeer vs. bovine longissimus muscle, as they relate to ageing rate and response.*

E. Eloranta, E. Ropstad, T. Pudas & J. Timisjärvi: *Progesterone secretion in cycling reindeer hinds.*

A. Nilsson, V. Rainio, P. Goddard & K. Olsson: *Comparison of two blood collection methods used on reindeer.*

A. Oksanen: *Influence of timing of endectocidic antiparasitic treatment on its efficacy in overwintering reindeer.*

A. R. Pösö, T. Soveri & M. Nieminen: *Plasma concentration of testosterone in reindeer after injection of testosterone.*

E. Ropstad, S. Albon, R. Langvatn, O. Halvorsen & J. Irvine: *Foetal death in Svalbard reindeer.*

P. Soppela, M. Nieminen & P. Trayhurn: *The effect of cold-stimulation in adipose tissue metabolism in reindeer.*

H. Säkkinen, J. Timisjärvi, E. Eloranta & M. Nieminen: *Total body water, plasma volume and serum aldosterone in reindeer (Rangifer t. tarandus).*

J. Timisjärvi, H. Säkkinen, E. Eloranta & M. Nieminen: *Serum electrolytes and osmolality in the reindeer.*

H. Sirkkola: *Pregnancy diagnostic.*

A. C. Nilssen, R. E. Haugerud, W. Hemmingsen, A. Oksanen, K. Åsbakk & H. R. Bendiksen: *Is treatment with Ivermectin detrimental to the dung fauna of reindeer?*

N.-G. Nilsson, C. Reh binder & E. Ågren: *Parasitagg liknande de från leverhårmask (Capillaria hepatica) påvisade i lever från svensk ren.*

E. Ågren & C. Reh binder: *Case report: "Cancer eye" in reindeer.*

M. Hall, C. Reh binder & L. P. Forshell: *Neuronal caroid-lipofuscinosis in reindeer.*