

Content:

- Andrzej Czech & Gerhard Schwab. Introduction 5
- Karl-Andreas Nitsche & Andrzej Czech. Wirgiliusz Żurowski 11

Chapter 1. Beaver distribution

- Duncan J. Halley & Frank Rosell. Current distribution, status and patterns of spread of the Eurasian beaver *Castor fiber*, and the implications for management 15
- Sten Asbjørk. Reintroduction of the European beaver (*Castor fiber*) in Denmark 25
- Marijan Grubešić, Vladimir Kušan & Krešimir Krapinec. Monitoring of beaver (*Castor fiber L.*) population distribution in Croatia 29
- Martin Gaywood. A trial re-introduction of the European beaver *Castor fiber* to Scotland 39
- Orsolya Bozsér. History and reintroduction of the beaver (*Castor fiber*) in Hungary, with special regard to the floodplain of the Danube in Gemenc area 44
- Gerhard Schwab & Günther Lutschinger. The return of the beaver to the Danube watershed..... 47
- Gerhard Schwab & Markus Schmidbauer. The Bavarian Beaver Re-extroductions 51
- Johanna Sieber, Dieter Kaltenegger & Bärbl Mertin. Restoration Program Wienfluss. Beaver Colonization of Flood Control Basins 54
- Georgeta Ionescu, Ovidiu Ionescu & Radu Moț. The reintroduction of the beaver (*Castor fiber*) in Romania 56
- Dusko Cirovic, Ivo Savic & Vladan Bjedov. First finding of the beaver (*Castor fiber L.* 1758) on the territory of Fr Yugoslavia 58
- Jerzy Staliński & Stanisław Łapiński. Developmental history of beaver families reintroduced in the vicinity of Cracow 59

Chapter 2. Beaver biology and ecology

- Alius Ulevičius. Temporal changes in a high density beaver *Castor fiber* population 63
- Algimantas Paulauskas & Alius Ulevičius. Genetic variability of European Beaver (*Castor fiber L.*) in Lithuania 73
- Karl-Andreas Nitsche. Behaviour of Beavers (*Castor fiber albicus* Matschie, 1907) during the flood periods 85
- Clara Stefen. *Steneofiber castorinus* and/or *Steneofiber eseri* and the miocene radiation of tertiary beavers in Europe 91
- Balčiauskas Linas & Alius Ulevičius. Environmental correlates of beaver and other semi-aquatic mammals 100
- Lena Bau. Behavioural ecology of reintroduced beavers (*Castor fiber*) in Klosterheden State Forest, Denmark 101

Chapter 3. Beaver influence on ecosystems and human economic

- Linas Balčiauskas, Laima Balčiauskienė & Giedrius Trakimas. Beaver influence on amphibian breeding in the agrolandscape 105
- Aleksandr Andreevich Bobrov & Elena Valentinovna Chemeris. On the flora of beaver ponds in the Darwin Reserve (Upper Volga, Russia) 113
- Duncan J. Halley & A. Lamberg. Populations of juvenile salmon and trout in relation to beaver damming of a spawning stream 122
- Romanas Lamsodis. Beavers *Castor fiber* and the consequences of their activities in drainage channels 128
- Stanisław Łapiński & Jerzy Staliński. Utilization of woody species by beavers (*Castor fiber*) in different habitats 142
- Andrzej Czech, Stephanie Prior. Ecological effects of beaver reintroduction in the Carpathian Mountains 143
- Andrzej Czech, Aleksandra Starzecka & Teresa Bednarz. Influence of beaver dams on metabolic activity of water microorganisms 144

Chapter 4. Beaver management

- Skip Lisle. Beaver management at the Penobscot Indian Nation, USA: Using flow devices to protect properties and create wetlands 147
- Johanna Sieber. Attempting beaver management in Austria 157
- Ermala Aslak. The Finnish beaver status at present and means of controlling it 161
- Howard Parker, Frank Rosell, Andre Hermansen, Gjermund Sørlokk & Martin Stærk. Can beaver *Castor fiber* be selectively harvested by sex and age during spring hunting? 164
- Eberhard Schneider. Beaver *Castor fiber* L. dams and how to control the water level 170
- Ryszard Kaczka, Andrzej Czech & Antoni Derwich. Using a global positioning system for mapping beaver-created wetlands 173
- Olgirda Belova. Status of the beaver (*Castor fiber* L.) in national parks in Lithuania, a problematic species 176
- Jānis Ozoliņš & Jānis Baumanis. The current beaver status in Latvia 177
- Rune Kargo. GIS for beaver (*Castor fiber*) release site identification and assessment of carrying capacity in Denmark 178

Chapter 5. Miscellaneous

- Gerhard Schwab. www.European-Beaver-Network.org – the beaver lodge in the internet ... 181
- Matthias Kleinke. Focus on Environment – The German Federal Environmental Foundation (Deutsche Bundesstiftung Umwelt) 182
- Eberhard Schneider. Reflections on the ecology of a reintroduced Beaver *Castor fiber* population and consequent management:
a mark of respect to WIRGILIUSZ ŽUROWSKI 184
- Jānis Ozoliņš & Karl-Andreas Nitsche. In memory of Martins Balodis 195