

Acta Universitatis Upsaliensis

Symposia Universitatis Upsaliensis

Annum Quingentesimum Celebrantis: 1

The Quaternary History of the Baltic

Edited by

Vytautas Gudelis and Lars-König Königsson

Uppsala 1979

Distributors: Almqvist & Wiksell International, Stockholm, Sweden and
Societas Upsaliensis pro Geologia Quaternaria, Uppsala, Sweden

Contents

Chapter I

Introduction to the volume. By H. Kliewe	1
--	---

Chapter II

An outline of the investigations of the natural history of the Baltic Sea	5
The northern part. By H. Hyvärinen & M. Eronen	7
The eastern part. By V. Gudelis	29
The southern part. By A.O. Ludwig	41
The western part. By C. Fredén	59

Chapter III

The geological structure	75
The Pre-Quaternary substratum of the Baltic. By A. Martinsson	77
The development of the Baltic during the Pleistocene. By L.-K. Königsson	87

Chapter IV

The ancient shorelines and the development of the Baltic coastal regions in Late Pleistocene and Holocene times	99
Finland. By P. Alhonen	101
Leningrad and Soviet Carelia. By P.M. Dolukhanov	115
Estonia. By H. Kessel & A. Raukas	127
Latvia. By I. Veinbergs	147
Lithuania. By V. Gudelis	159
Poland. By S. Rudowski	175
The German democratic republic. By H. Kliewe	185
The German federal republic. By K. Duphorn	195
Denmark. By H. Krog	207
Sweden. By H. Agrell	219

Chapter V

Archaeology and the development of the Baltic	241
Prehistoric civilisations in the Baltic basin. By P.M. Dolukhanov & A.A. Liiva	243

Chapter VI

Eustasy and Isostasy in the Baltic basin	251
The role of the eustatic and isostatic factors in the development of the Baltic. By R. Köster	253
The relation between the eustatic rise of the sea-level, submarine terraces and the stages of the Baltic Sea during Holocene	261

Chapter VII

Some concluding remarks. By V. Gudelis & L.-K. Königsson	275
--	-----