

CONTENTS

The institute and its scientific board	V
The staff and field of work	VI
 1. INTRODUCTION	 1
 2. RESERVOIRS	 5
2.1. Dissolved and dispersed substances in reservoir water	5
2.2. Microbes	6
2.2.1 Microbial characteristics of the reservoirs	6
2.3. Phytoplankton.....	7
2.4. Zooplankton	9
2.4.1. Net zooplankton in the Slapy and Římov Reservoirs	9
2.4.2. Study of the spatio-temporal dynamics of zooplankton in a canyon-shaped dam reservoir	9
2.5. Fish	10
2.5.1. Fish stock composition in the Římov Reservoir in 1996	10
 3. SPECIAL INVESTIGATIONS	 11
3.1. Trends and seasonal patterns of bulk deposition of nutrients in the Czech Republic	11
3.2. Reversibility of acidification of mountain lakes after reduction in nitrogen and sulphur emissions in Central Europe.....	11
3.3. Short-term adaptation of algae to changing phosphorus availability	11
3.4. Pelagic food webs in low-alkalinity non-humic mountain lakes.....	12
3.5. Distribution of ciliates in oligotrophic lakes of different latitude	14
3.6. Fish vertical distribution in lakes and reservoirs and echosounding survey design..	15
 4. VERY SPECIAL: A story on MOLAR project field expedition	 18
 PUBLICATIONS	 20