

International Ozone-Symposium
200th Anniversary of Christian F. SCHÖNBEIN, the Discoverer of Ozone

21 - 22 October 1999, Basel (Switzerland)

Thursday, 21 October 1999

Keynote Speech: "The Impact of Human Activities on Atmospheric Ozone"
by Prof. Dr. Mario Molina, Nobel Prize Winner 1995 Massachusetts Institute of Technology, USA

SESSION ATMOSPHERE I

Chairman: Dr. Urs von Gunten, Switzerland

Introduction

Dr. Urs von Gunten

History of the knowledge of ozone in the stratosphere: from Schönbein to the ozone hole

Dr. Richard S. Stolarski, USA

Swiss atmospheric ozone research history and long-term trends from the Swiss ozone measurements

Dr. Johannes Staehelin, Switzerland

Changes in global stratospheric ozone

Dr. Neil Harris, United Kingdom

SESSION ATMOSPHERE II

Chairman: Dr. Neil Harris, United Kingdom

Modelling the ozone layer: a perspective on the Northern Hemisphere

Prof. Dr. John A. Pyle, United Kingdom

Tropospheric ozone, chemistry and man-induced trends

Prof. Dr. Dieter H. Ehhalt, Germany

The connections between changing ozone and changing climate

Prof. Dr. Keith P. Shine, United Kingdom

Ozonation Processes in clouds and during water treatment; a comparison

Prof. Dr. Jürg Hoigné, Switzerland

Friday, 22 October 1999

SESSION OZONE IN WATER TREATMENT I

Chairman: Dr. Johannes Staehelin, Switzerland

Evolution of drinking water treatment with ozone

Dr. Rip G. Rice, USA

Industrial ozone production

Dr. Ulrich Kogelschatz, Switzerland

SESSION OZONE IN WATER TREATMENT II

Chairman: Dr. Johannes Staehelin, Switzerland

Effect of ozone on viruses, bacteria, and protozoa in drinking water

Prof. Dr. Gordon R. Finch, Canada

Ozonation of drinking water; Oxidation processes and by-product formation

Dr. Urs von Gunten, Switzerland

Advanced oxidation treatment of paper mill effluent

Dr. Christian H. Möbius, Germany

SESSION OZONE IN ORGANIC CHEMISTRY

Chairman: Prof. Dr. Jürg Hoigné, Switzerland

Organic ozone chemistry: fundamentals and synthetic potentials

Prof. Dr. Karl Griesbaum, Germany

Industrial application of ozonolysis in the fine chemical production

Dr. Berndt-Dietmar Schober and Dr. Michael Hartmann

SESSION OZONE AND LIVING ORGANISMS

Chairman: Prof. Dr. Gordon R. Finch, Canada

Ozone impacts on vegetation

Prof. Dr. Jürg Fuhrer, Switzerland

Ozone as a health risk

Prof. Dr. Hermann Kappus, Germany

Why ozone is useful in medicine

Prof. Dr. Velio Bocci, Italy