

Contents

1	the Evolution of Numerous New Branches in Science and Engineering (Peter O.K. Krehl)
2	Lord Rayleigh: His Works and Laboratories (Edward A. Davis)
3	HoP in Slovakia (1990-2010) (<i>Juraj Sebesta</i>) 47
4	Notes on Italian Physics between the two World Wars (Giulio Peruzzi)
5	The Roots of Modern Physics Teaching at the University of Graz – Leopold Gottlieb Biwald's Merits (Cornelia Faustmann) 71
6	Liquefaction of Gases (Peter J. Ford)
7	Liquefaction of air - a success with controversy. (Maciej Kluza)
8	The Contribution of Robert von Lieben to the Development of Electronic Amplification (Franz Rupert Pichler)
9	False starts and dead ends: the Irish contribution to late 19 th Century spectroscopy (D. Weaire and S. O'Connor)
10	The reckoning of time – calendars across the centuries (Sonja Draxler and Max E. Lippitsch)

11	Educational aspects of the history of physics in classroom and e-environment (Rajka Jurdana-Šepić)
12	Boltzmann's Bicykel - a mechanical analogue of coupled electric circuits (Heinz Krenn)
13	Digging the roots – ancient history behind modern concepts (Max E. Lippitsch and Sonja Draxler)
14	Physics in Lithuania (16th-21st centuries) The short review (Rasa Kivilšienė)
15	Some New Insights into the Scientific Network of Robert W. Bunsen (R. W. Soukup)
16	Heavenly radiation: Research on the aurora borealis in the early 20th century (Helge Kragh)
17	Cosmic-Ray Researches in Italy and the Rebirth of Italian Physics from the End of World War II to the G-Stack (Sofia Talas)
18	The Vienna Radium Institute and its Collection of Historical Instruments (Brigitte Strohmaier)
19	Early Radioactivity And Nuclear Physics In Finland (Peter Holmberg)
20	One hundred years of Swiss Physical Society - The link between tradition and innovation (Christophe Rossel)
21	The Roots Of Theoretical Physics In Bulgaria (Ganka Kamisheva)

22	"Die Experimentalphysik in Innsbruck, 1809 - 1909: Vom Lyceum zum Physikalischen Institut" (Armin Denoth)
23	History of Physics as a vehicle for the development of Physics (George N. Vlahakis)
24	A Cosmic Connection: A grandson's perspective on Victor Hess – how he lived in America and how he influenced my life. (Bill Breisky)
25	Why is echophysics to be? Why is a European Centre for the History of Physics to be? (Peter Maria Schuster)
A	Appendix
	List of Abstracts
	List of Affilations
	Grand Opening celebrations of ECHOPHYSICS 388