

A Listing of the Contributions to the History of Analytical Chemistry in Europe made via the Division of Analytical Chemistry of EuCheMS

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The DAC has organised lectures on the history of analytical chemistry in Europe via EUROANALYSIS and a series of conferences on the Philosophy, History and Education in Analytical Chemistry; it has encouraged their subsequent publication.

A EUROANALYSIS

II (Budapest, 1975)

F. Szabadvary,

"The History of Analytical Chemistry in Hungary".

In W. Fresenius (ed.), "Reviews on Analytical Chemistry, EUROANALYSIS II", Akademiai Kiado, Budapest, 1977.

III (Dublin, 1978)

D. Thorburn Burns,

"Irish Contributions to European Analytical Chemistry",

in D. M. Carroll, D. T. Burns, D. A. Brown and D. A. McDaid, (eds.), "Reviews in Analytical Chemistry, EUROANALYSIS III", Applied Science Publishers, London, 1979.

IV (Helsinki, 1981)

O. Makitie,

"Johan Gadolin and his Contributions to Analytical Chemistry",

in L. Niinisto (ed.), "Reviews on Analytical Chemistry, EUROANALYSIS IV", Akademiai Kiado, Budapest, 1982.

V (Cracow, 1984)

L. Gorski,

"The History of Analytical Chemistry in Poland",

in A. Hulanicki (ed.), "Reviews on Analytical Chemistry, EUROANALYSIS V", Akademiai Kadia, Budapest, 1986.

VI (Paris, 1987)

E. Roth,

"Highlights in the History of Analytical Chemistry in France".

D. Thorburn Burns,
"The Development of Apparatus for Spectrochemical Analysis 1550-1870: European Art, Craft and Science",
in E. Roth (ed.), "Reviews on Analytical Chemistry, EUROANALYSIS VI", Les Editions Physique, Paris, 1988.

VII (Edinburgh, 1993)

D. Thorburn Burns, "Dark Ages to Enlightenment, Alchemy to Analysis: Progress in Scottish Chemistry within a European Framework",
in D. Littlejohn and D. Thorburn Burns (eds.) "Reviews on Analytical Chemistry, EUROANALYSIS VII", Royal Society of Chemistry, Cambridge, 1994.

IX (Bologna 1996)

D. Thorburn Burns, G. Piccardi and L. Sabbatini, "Some People and Places Important in the Analytical Chemistry of Italy", *Microchim. Acta*, 160, 57-87, (2008).

X (Basel 1988)

D. Thorburn Burns,
"Swiss Contributions to Chemistry: Five Hundred Years of Progress, from Alchemy to a Modern Science", *Anal. Chim. Acta*, 393, 3, (1999).

XI (Lisbon 2004)

D. Thorburn Burns and M.F.G.F.C.Camoes, "Distinguished People and Places in the History of Portuguese Analytical Chemistry", *Microchim. Acta*, 152, 137, (2005)

XIII (Salamanca 2004)

D. Thorburn Burns, "Robert Boyle's Knowledge of Spain and his Citations of Spanish Authors", *Microchim. Acta*, 147, 165, (2005)

XIV (Antwerp 2007)

D. Thorburn Burns, H. Deelstra, "Analytical Chemistry in Belgium: An Historical Overview", *Microchim. Acta*, in press

XIV (Antwerp 2007)

D. Thorburn Burns and H. Deelstra, "Analytical Chemistry in Belgium", *Microchim. Acta*, 160, 57-87, (2008).

D. Thorburn Burns and H. Deelstra, "The Rise of Analytical Chemistry in Belgium", *Anal. Bioanal. Chem.*, 391, 1113-1117, (2008).

B International Symposium on the Philosophy and History of Analytical Chemistry

(Vienna, 1985)

Only the Philosophical papers were published (see Fresenius Z. Anal. Chem., 326, 301, (1987)).

C Second International Symposium on the Philosophy and History of Analytical Chemistry

(Vienna, 1989)

The proceeding of both sections published in Fresenius Z. Anal. Chem., 337, (1990).

E. Roth,

"Etienne Francis Geoffroy's table of relations and the concept of affinity", p. 188,

M. Blondel-Megrelis,

"The limits of the concept of affinity", p.203,

D. Thorburn Burns,

"Highlights in the history of quantitation in chemistry", p. 205,

L. Niinisto,

"Analytical instrumentation in the 18th century", p. 213,

A. Drago,

"History of the relationship, chemistry-mathematics", p. 220,

J. A. Perez-Bustamante de Monasterio,

"Highlights of Spanish Chemistry at the time of the chemical revolution of the 18th century", p. 225,

K. H. Koch,

"Changes in analytical chemistry corresponding to the stage of industrial development", p. 229,

G. D'Ascenzo and N. Nicolini,

"Evolution of paper chromatography: from Runge's perceptions to Tswett's adsorption", p. 232.

D 2nd FECHEM Conference on Education in Analytical Chemistry

(Prague, 1992)

D. Thorburn Burns,
"Some aspects of the history of education in Analytical chemistry: published syllabi and their authors, Shaw(1734), Watson(1771), Moyes (1784,1786), and Sullivan (1856)".
Fresenius J. Anal. Chem., 347, 14, (1997).

E 3rd FECHEM Conference on Philosophy, History and Education in Analytical Chemistry

(Vienna, 1995)

The proceedings were published in Fresenius J. Anal. Chem., 357, (1997).

R. G. Weissenhorn,
"The "Sceptical Chemist" - Fundamental concepts in the history of the scientific process of chemical education", p. 138,

J. A. Perez-Bustamante,
"A schematic overview of the historical evolution of Analytical Chemistry", p. 152,

J. A. Perez-Bustamante,
"Analytical Chemistry in the discovery of the elements", p. 162,

H. Toftlund,
"Historical demonstration experiments in Analytical Chemistry", p. 173,

D. Thorburn Burns,
"Early problems in the analysis and determination of ozone", p. 178,

E. Pungor,
"Ion- selective electrodes - history and conclusions", p. 184,

G-L. Radu and G-E. Baiulescu,
"The beginnings of Analytical Chemistry in Romania", p. 189,

H. Hodrejarv,
"History of Analytical Chemistry in Estonia (1800-1950)", p. 191.

F 4th International Symposium on Philosophy, History and Education in Analytical Chemistry: "Analytical Chemistry and the Law"

(Vienna, 1999)

The proceedings were published in Fresenius J. Anal. Chem., 368, (2000).

D. Thorburn Burns,
"Analytical Chemistry and the Law: Progress for half a millennium", p. 544,

W. Fresenius,
"The position of the analyst as an expert: Yesterday and today", p. 548,

W. Vycudilik,
"Historical development of expertise in forensic chemical analysis. General survey, illustrated by case studies from the Viennese Institute", p. 550.

G Analytical Chemistry from Past to Future

A symposium on the occasion of the 80th birthday of H. Malissa.
(Vienna, 2000)

D. Thorburn Burns,
"The Origins of Academic Chemistry in Austria and some Historical Highlights in the Austrian Schools of Analytical Chemistry", *Microchim. Acta*, 142, 137 (2003).

H Education in Analytical Chemistry

(Cordoba, 2001)
A meeting joint with the American Chemical Society.
The proceedings are published in *Microchim. Acta*, 142, 135-189 (2003).

D. Thorburn Burns,
"Changes in the methods of teaching and learning chemistry over the period 1650-1850",
Microchim. Acta, 142, 143 (2003).

I DAC contributions to series "International Conference on History of Chemistry"

D. Thorburn Burns,
"Robert Boyle's acquisition of information about Hungarian mines, minerals, mineral waters and chemicals", in E. Vamos (ed.) "Proceedings of the 4th International Conference on History of Chemistry", Vol. 1, 7, Hungarian Chemical Society, Budapest (2005).

D. Thorburn Burns and B. Van Tiggelen, "The Evolving Identity of Chemistry", *Chem. International*, 30(1), 32-33, (2008).

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