

# HYLE - Bibliographic Section

## "Philosophy of Chemistry"

### - Recent Additions -

(10.06.99)

*If your recent publication does not appear, why not send a copy to the [Editor](#) ?*

---

Abbot, B.: 1997, 'A Note on the Nature of 'Water'', *Mind*, **106**, 311-319.

Abbot, B.: 1999, 'Water=H<sub>2</sub>O', *Mind*, **108**, 145-148.

Arabatzis, T.: 1998, 'How the Electrons Spend their Leisure Time: Philosophical Reflections on a Controversy between Chemists and Physicists', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 149-159.

Bensaude-Vincent, B.: 1998, 'The Autonomy of Chemistry and the Chemical Revolution', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 109-118.

Bensaude-Vincent, B.: 1999, 'Atomism and Positivism: A Legend about French Chemistry', *Annals of Science*, **56**, 81-94.

Brooks, N. M.: 1998, 'Medelev and Metrology', *Ambix*, **45**, 116-128.

Brush, S. G.: 1999, 'Dynamics of Theory Change in Chemistry: Part 1. The Benzene Problem 1865-1945', *Studies in History and Philosophy of Science*, **30A**, 21-79.

Buck, P.: 1998, 'Chemical Comprehension versus Physical Comprehension: The Case of Julius Robert Mayer', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 119-132.

Cahn, R. M.: 1999, *Historische und philosophische Aspekte des Periodensystems der Elemente*, L.-M.-Universität München (unpubl. Magister thesis; 110 pp.).

Cela-Conde, C. J.: 1999, 'Complexity and Transition: From Chemical Evolution to Language', *Biology & Philosophy*, **14**, 117-126.

Cerruti, L.: 1999, 'Historical and Philosophical Remarks on Ziegler-Natta Catalysts: A Discourse on Industrial Catalysis', *HYLE - An International Journal for the Philosophy of Chemistry*, **5**, no. 1, 3-41.

Cubillos, G.; Poveda, F.M.; Villaveces, J.L.: 1989, *Hacia una historia epistemológica de la química*, Academia Colombiana de Ciencias, Bogota.

Drago, A.; Oliva, R.: 1999, 'Atomism and the Reasoning by a Non-Classical Logic', *HYLE - International Journal for Philosophy of Chemistry*, **5**, no. 1, 43-55.

Fischer, R. A.; Frank, A. C.: 1998, 'Synthetic Microbiology - Just another Discipline of Chemistry?', in: Janich, P.; Psarros, N.

(eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 51-58.

Frenking, G.: 1998, 'Heretical Thoughts of a Theoretical Chemist about the Autonomy of Chemistry as a Science in the Past and the Present', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 103-108.

Gordin, M. D.: 1998, 'Making Newtons: Medeleev, Metrology, and the Chemical Ether', *Ambix*, **45**, 96-115.

Görs, B.: 1999, *Chemischer Atomismus. Anwendung, Veränderung, Alternativen im deutschsprachigen Raum in der zweiten Hälfte des 19. Jahrhunderts*, ERS-Verlag, Berlin.

Hanekamp, G.: 1998, 'Valence and the Chemical Bond: Crossing the Border between Chemistry and Physics', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 161-167.

Janich, P.: 1998, 'Die Selbständigkeit der Chemie im Verhältnis zu ihren Nachbarwissenschaften', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 1-30.

Janich, P.: 1998, 'The Autonomy of Chemistry and the Principles of Methodical Order and of Culture', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 59-66.

Janich, P.; Psarros, N. (eds.): 1998, *The Autonomy of Chemistry (3rd Erlenmeyer-Colloquy for the Philosophy of Chemistry)*, Königshausen & Neumann, Würzburg.

Jha, S.R.: 1998, 'On the Duties of Intellectuals to Truth: Life and Work of Chemist-Philosopher Michael Polanyi', *Science in Context*, **11**, 89-.

Laszlo, P.: 1998, 'Belabouring the Obvious: Chemistry as Sister Science to Linguistics', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 69-78.

Mackay, A. L.: 1999, 'From 'The Dialectics of Nature' to the Inorganic Gene', *Foundations of Chemistry*, **1**, 43-56.

Mainzer, K.: 1998, 'Computational and Mathematical Models in Chemistry: Epistemic Foundations and New Perspectives of Research', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 33-50.

McIntyre, L.: 1999, 'The Emergence of the Philosophy of Chemistry', *Foundations of Chemistry*, **1**, 57-63.

Mosini, V.: 1998, 'Against Fundamentalism and Particularism', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 79-90.

Neus, J.: 1998, *Aromatizität: Geschichte und mathematische Analyse eines fundamentalen chemischen Begriffs*, Universität Siegen (unpubl. Staatsexamen thesis; 212 pp.).

Pechjonkin, A.A.: 1986, *Interaction of Physics and Chemistry: Philosophical and Methodological Problems (in Russian)*, Moscow.

Plesch, P. H.: 1999, 'On the Distinctness of Chemistry', *Foundations of Chemistry*, **1**, 6-15.

Powers, J. C.: 1998, "Ars Sine Arte": Nicholas Lemery and the End of Alchemy in Eighteenth-Century France', *Ambix*, **45**, 163-189.

Psarros, N.: 1998, 'The Tinies Parts of ...: The Concept of Molecule in Chemistry, Physics and Biology', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 91-100.

Psarros, N.: 1999, 'Review of: Bernadette Bensaude-Vincent: Éloge de mixte, Paris 1998', *HYLE - International Journal for Philosophy of Chemistry*, **5**, no. 1, 77-78.

Ruschig, U.: 1997, *Hegels Logik und die Chemie. Fortlaufender Kommentar zum 'realen Mass'*, Bouvier, Bonn.

Scerri, E. R.: 1998, 'How Good Is the Quantum Mechanical Explanation of the Periodic System?', *Journal of Chemical Education*, **75**, 1384.

Scerri, E. R.: 1999, 'On the Nature of Chemistry', *Educación Química*, **10**, 74-78.

Scerri, E. R.; Kreinovich, V.; Wojciechowski, P.; Yager, R. R.: 1998, 'Ordinal Explanation of the Periodic System of Chemical Elements', *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, **6**, 387-399.

Scheidecker-Chevallier, M.: 1997, 'Alexandre-Édouard Baudrimont (1806-1880): Les liens entre sa chimie et sa philosophie des sciences', *Archives Internationales d'Histoire des Sciences*, **47**, 27-56.

Scheidecker-Chevallier, M.: 1997, 'L'hypothèse d'Avogadro (1811) et d'Ampère (1814): la distinction atome/molécule et la théorie de la combinaison chimique', *Revue d'histoire des sciences*, **50**, 159-194.

Scheidecker-Chevallier, M.: 1997, 'L'impact des idées d'Ampère en chimie sur J.-B. Dumas et M.-A. Gaudin', *S&TP*, **1**, 283-307.

Scheidecker-Chevallier, M.; Locqeneux, R.: 1992, 'Liens entre philosophie et sciences physiques dans l'oeuvre d'André-Marie Ampère', *Archives Internationales d'Histoire des Sciences*, **42**, 227-268.

Scheidecker-Chevallier, M.; Locqeneux, R.: 1994, 'La théorie mathématique de la combinaison chimique d'André-Marie Ampère', *Revue d'histoire des sciences*, **47**, 309-352.

Schummer, J.: 1998, 'Physical Chemistry: Neither Fish nor Fowl?', in: Janich, P.; Psarros, N. (eds.): *The Autonomy of Chemistry*, Königshausen & Neumann, Würzburg, pp. 135-148.

Schummer, J.: 1999, 'Coping with the Growth of Chemical Knowledge: Challenges for Chemistry Documentation, Education, and Working Chemists', *Educación Química*, **10**, 92-101.

Schummer, J.: 1999, 'Models of Interdisciplinary Research and Subdiscipline Formation: Notes on the Conference 'Between Physics and Biology: Chemical Sciences in the Twentieth Century', 29-30 May 1999, München, Germany', *HYLE - International Journal for Philosophy of Chemistry*, **5**, no. 1, 79-80.

Tontini, A.: 1999, 'Developmental Aspects of Contemporary Chemistry: Some Philosophical Reflections', *HYLE - An International Journal for the Philosophy of Chemistry*, **5**, no. 1, 57-76.

Vemulapalli, G. K.; Byerly, H.: 1999, 'Remnants of Reductionism', *Foundations of Chemistry*, **1**, 17-41.

Zollinger, H.: 1997, 'Logic and Psychology of Scientific Discoveries: A Case Study in Contemporary Chemistry', *Perspectives on Science*, **5**, 516-532.