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### **"Philosophy of Chemistry"**

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Akeroyd, M.: 2000, 'Why was a Fuzzy Model so Successful in Physical Organic Chemistry', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 161-173.

Allin, S. B.: 2001, 'Book Review: N. Psarros & K. Gavroglu (eds.): *Ars Mutandi. Issues in Philosophy and History of Chemistry, Leipzig 1999*', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 61-63.

Altunata, S.: 2001, 'Chemistry and Humanity. Challenges our Profession Faces as we Advance Towards the Third Millenium', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 51-60.

Baird, D.: 2000, 'Analytical Instrumentation and Instrumental Objectivity', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 90-113.

Ben-Chaim, M.: 2000, 'The Value of Facts in Boyle's Experimental Philosophy', *History of Science*, **38**, no. 1, 57-77.

Benfey, T.: 2000, 'Reflections on the Philosophy of Chemistry and a Rallying Call for Our Discipline', *Foundations of Chemistry*, **2**, 195-205.

Berger, J.: 1999, 'Grenzgänge zwischen Physik und Chemie: Thermodynamik und chemische Kinetik - kein Happy-End im 19. Jahrhundert', *Centaurus*, **41**, no. 4, 253-279.

Bhushan, N.; Rosenfeld, S. (eds.): 2000, *Of Minds and Molecules. New Philosophical Perspectives on Chemistry*, Oxford University Press, New York.

Bilsker, R. L.: 2000, 'Book Review: Kary Mullis: *Dancing Naked in the Mind Field*, New York 1998', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 188-190.

Bilsker, R. L.: 2001, 'Book Review: Paul Rabinow: *French DNA. Trouble in Purgatory*, Chicago 1999', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 73-75.

Bruce King, R.: 2000, 'The Role of Mathematics in the Experimental/Theoretical/Computational Trichotomy of Chemistry', *Foundations of Chemistry*, **2**, 221-236.

Carpenter, B. K.: 2000, 'Models and Explanation. Understanding Chemical Reaction Mechanism', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 211-229.

Cerruti, L.: 2001, 'Book Review: W. Fleischhacker & T. Schönfeld (eds.): Pioneering Ideas for the Physical and Chemical Sciences. Josef Loschmidt's Contributions and Modern Developments in Structural Organic Chemistry, Atomistics, and Statistical Mechanics, New York 1997', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 75-77.

Christie, M.; Christie, J. R.: 2000, '"Laws" and "Theories" in Chemistry Do Not Obey the Rules', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 34-50.

Ciardi, M.: 2000, 'Book Review: Paola Vasconi: Sistema delle scienze naturali e unità delle conoscenze nell'ultimo Kant, Firenze 1999', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 193-194.

Ciardi, M.: 2000, 'Conference Report: VIII Convegno Nazionale di Storia e Fondamenti della Chimica, Arezzo 1999', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 195-197.

Grosholz, E. R.; Hoffmann, R.: 2000, 'How Symbolic and Iconic Languages Bridge the Two Worlds of the Chemist. A Case Study from Contemporary Bioorganic Chemistry', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 230-247.

Haug, D.; Kaupenjohann, M.: 2000, 'Biogeochemical Models in the Environmental Sciences. The Dynamical System Paradigm and the Role of Simulation Modeling', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 117-142.

Jacob, C.: 1998, *Protochemie - die konstruktivistische Grundlegung der Chemie*, Universität Hagen (unpublished M.A. thesis).

Jacob, C.: 2001, 'Analysis and Synthesis. Interdependent Operations in Chemical Language and Practice', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 31-50.

James, F. A.J.L.: 2000, 'Book Review: D. Knight & H. Kragh (eds.): The Making of the Chemist. The Social History of Chemistry in Europe 1789-1914, Cambridge 1998', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 191-193.

Janiak, A.: 2000, 'Space, Atoms and Mathematical Divisibility in Newton', *Studies in History and Philosophy of Science, Part A*, **31**, no. 2, 203-230.

Karpenko, V.: 2001, 'Book Review: D. Sobczynska & P. Zeidler (eds.): Chemia. Laboratorium mysli i dzialan, Poznan 1999', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 64-68.

Kim, M. G.: 2000, 'Chemical Analysis and the Domains of Reality: Wilhelm Homberg's Essais De Chimie, 1702-1709', *Studies in History and Philosophy of Science, Part A*, **31**, no. 1, 37-70.

Kovac, J.: 2000, 'Professionalism and Ethics in Chemistry', *Foundations of Chemistry*, **2**, 207-219.

Kovac, J.: 2000, 'Science, Law, and the Ethics of Expertise', *Tennessee Law Review*, **67**, 397-408.

Le Poidevin, R.: 2000, 'Space and the Chiral Molecule', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 129-142.

Levit, G. S.: 2001, *Biogeochemistry - Biosphere - Noosphere. The Growth of the Theoretical System of Vladimir Ivanovich Vernadsky*, Verlag für Wissenschaft und Bildung, Berlin.

Lindner, S. H.: 2001, 'Book Review: A.S. Travis et al. (eds.): Determinants in the Evolution of the European Chemical

Industry, 1900-1939, Dordrecht 1998', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 71-73.

Michael Akeroyd, F.: 2000, 'The Foundations of Modern Organic Chemistry: The Rise of the Hughes and Ingold Theory from 1930-1942', *Foundations of Chemistry*, **2**, 99-125.

Morel, J.: 2000, 'Book Review: D. Knight & H. Kragh (eds.): The Making of the Chemist: The Social History of Chemistry in Europe, 1789-1914', *Foundations of Chemistry*, **2**, 181-185.

Nagl, S.: 2000, 'Neural network models of protein domain evolution', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 143-159.

Needham, P.: 2000, 'Reduction in Chemistry - a second response to Scerri', *International Studies in the Philosophy of Science*, **14**, 317-324.

Psarros, N.: 1998, 'What has Philosophy to Offer to Chemistry', *Foundations of Science*, **3**, no. 1, 183-202.

Psarros, N.: 2001, 'Things, stuffs, and coincidence. A non-ontological point of view', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 23-29.

Pullman, B.: 1998, *The Atom in the History of Human Thought*, Oxford University Press, New York.

Ramberg, P. J.: 2000, 'The Death of Vitalism and the Birth of Organic Chemistry: Wöhler's Urea Synthesis and the Disciplinary Identity of Organic Chemistry', *Ambix*, **47**, 170-195.

Ramsey, J. L.: 1998, 'Recent Work in the History and Philosophy of Chemistry', *Perspectives on Science*, **6**, no. 4, 409-427.

Ramsey, J. L.: 2000, 'Realism, Essentialism, and Intrinsic Properties. The Case of Molecular Shape', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 117-128.

Rosenfeld, S.; Bhushan, N.: 2000, 'Chemical Synthesis. Complexity, Similarity, Natural Kinds, and the Evolution of a "Logic"', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 187-207.

Rothbart, D.: 2000, 'Substance and Function in Chemical Research', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 75-89.

Ruschig, U.: 2001, 'Logic and chemistry in Hegel's philosophy', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 5-22.

Scerri, E. R.: 2000, 'Have Orbitals Really Been Observed?', *Journal of Chemical Education*, **77**, 1492-1494.

Scerri, E. R.: 2000, 'Interdisciplinary Research at the Caltech Beckman Institute', in: Weingart, P.; Stehr, N. (eds.): *Practicing Interdisciplinarity*, University of Toronto Press, Toronto, pp. 194-214.

Scerri, E. R.: 2000, 'Philosophy of Chemistry - A New Interdisciplinary Field?', *Journal of Chemical Education*, **77**, 522-526.

Scerri, E. R.: 2000, 'Realism, Reduction, and the "Intermediate Position"', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 51-72.

Scerri, E. R.: 2000, 'Response to Nesbet', *Foundations of Chemistry*, **2**, 77-78.

Scerri, E. R.: 2000, 'Second Response to Paul Needham', *International Studies in the Philosophy of Science*, **14**, 307-316.

Scerri, E. R.: 2000, 'The Failure of Reduction and How to Resist the Disunity of Science in Chemical Education', *Science and Education*, **9**, 405-425.

Scerri, E. R.; Guterman, L.: 2000, 'Waxing Philosophical about Chemistry', *Chemistry (ACS magazine)*, no. Winter, 17-20.

Schummer, J.: 2001, 'Aristotle on Technology and Nature', *Philosophia naturalis*, **38**, no. 1, 105-120.

Schummer, J.: 2001, 'Conference Report: From the Test-tube to the Autoanalyzer: The Development of Chemical Instrumentation in the Twentieth Century, London 2000', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 78-81.

Schummer, J.: 2001, 'Conference Report: Wilhelm Ostwald at the Crossroads of Chemistry, Philosophy, and Media Culture, Leipzig 2000', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 81-82.

Simoës, A.; Carneiro, A.: 2001, 'Book Review: Juergen Heinrich Maar: Pequena História da Química, Florianópolis 1999', *HYLE - International Journal for Philosophy of Chemistry*, **7**, no. 1, 69-71.

Simoës, A.; Gavroglu, K.: 1998, 'Quantum chemistry qua applied mathematics. The contributions of Charles Alfred Coulson (1910-1974)', *Historical Studies in Physical & Biological Sciences*, **29**, no. 1, 363-.

Sneath, P.H.A.: 2000, 'Numerical Classification of the Chemical Elements and Its Relation to the Periodic System', *Foundations of Chemistry*, **2**, 237-263.

van Brakel, J.: 2000, *Philosophy of Chemistry. Between the Manifest and the Scientific Image*, Leuven University Press, Leuven.

van Brakel, J.: 2000, 'Modeling in Chemical Engineering', *HYLE - International Journal for Philosophy of Chemistry*, **6**, no. 2, 101-116.

van Brakel, J.: 2000, 'The Nature of Chemical Substances', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 162-184.

Vihalemm, R.: 2000, 'The Kuhn-loss Thesis and the Case of Phlogiston Theory', *Science Studies*, **13**, no. 1, 68-78.

Weininger, S. J.: 2000, 'Butlerov's Vision. The Timeless, the Transient, and the Representation of Chemical Structure', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 143-161.

Woody, A. I.: 67, 'Putting Quantum Mechanics to Work in Chemistry: The Power of Diagrammatic Representation', *Philosophy of Science (Proceedings)*, **67**, S612-S627.

Woody, A.; Glymour, C.: 2000, 'Missing Elements. What Philosophers of Science Might Discover in Chemistry', in: Bhushan, N.; Rosenfeld, S. (eds.): *Of Minds and Molecules*, Oxford University Press, New York, pp. 17-33.