DAVID CLEMENT MAKINSON: CURRICULUM VITAE

(Last revised : 05 May 2008)

GENERAL INFORMATION

Personal Data

Born 27 August 1941 in Sydney, Australia. Australian nationality. Married to Miriam Goldman, of Argentine nationality. Three children, born in 1965 (Paul), 1972 (Martin), 1975 (Alain).

Contact Information

Email:	david.makinson@gmail.com
	d.makinson@lse.ac.uk
Home address:	17 Willow Road, Hampstead, London NW3 1TJ, UK.
Telephone:	++ 44 (0)20 7794 3617
Webpage:	http://david.c.makinson.googlepages.com

Professional Positions

Current: Visiting Professor, Department of Philosophy Logic and Scientific Method, London School of Economics (LSE), Houghton Street, London WC2A 2AE, UK.

2001-March 2006, Senior Research Fellow (Professorial rank) Department of Computer Science, King's College London.

1980-2001, Programme Specialist, Division of Social Science Research and Policy (SHS/SRP), Sector of Social and Human Sciences, UNESCO, Paris. Consultant in same position Sept-Dec 2001.

1965-1980 (and 1982-3): American University of Beirut, Lebanon, as Assistant Professor of Philosophy (1965-9), Associate Professor (1969-75), tenured (as from 1970), Full Professor (1975-83), Chairman of the Department.

Short-Term Visting Positions

Macquarie University (Australia), April 2008
Chinese Academy of Sciences (Guiyang, China) May 2006.
Université de Provence, Lab, d'Informatique Fondamentale, Marseille, April 2006.
Manchester University Mathematics Department February-March 2006.
NICTA and University of New South Wales (Australia) July-September 2005.
Universities of Buenos Aires and Bahia Blanca (Argentina) and Sao Paulo (Brazil) at various times in 1999, 1972, 1970.

Associate Position

Associate Member, Centre des Recherches en Epistemologie Appliquée (CREA) Paris.

Education

Undergraduate studies at the University of Sydney, Australia, 1958-1961 in the Faculty of Arts, graduating in 1961 with Bachelor of Arts with First Class Honours in Philosophy.

Graduate studies at Oxford University UK (Worcester College), on Commonwealth Scholarship, 1962-1965, taking degree of Doctor of Philosophy (D.Phil) in 1965. Principal supervisor: M.Dummett. Other supervisers: A.J.Ayer, W.Kneale, A.N.Prior. Doctoral thesis: *Rules of truth for modal logic*.

Languages

Native language English. Other languages: French and Spanish, with fluent reading, good speaking and drafting ability. Accustomed to using all three as working languages.

RESEARCH WORK

Current Research Interests

Logic and its relations with other disciplines, particularly philosophy and computer science. Current research areas:

- Uncertain reasoning: qualitative and quantitative and their interconnections
- Parallel interpolation and its implications
- Relevance criteria for belief change operations
- Input/output logics, logics of directives and norms
- The concept of logical friendliness

Principal Research Achievements

Logic of Belief Change

Perhaps the most frequently cited work is the creation of the so-called AGM account of the logic of belief change, with Carlos Alchourrón and Peter Gärdenfors. This was done in a variety of converging forms: postulational, in terms of partial meet operations, relations of epistemic entrenchment, and safe contraction. In current research have returned to the concept of relevance and its application in belief change.

Logic of Uncertain Reasoning

In the area of the qualitative analysis of uncertain reasoning, commonly (and rather misleadingly) known as nonmonotonic logic, my work has followed three main lines. One was directed to clarifying the logical patterns to be found in nonmonotonic inference. Another, carried out jointly with Peter Gärdenfors, established the basic relationships between nonmonotonic inference and belief revision. More recently work focussed on examining bridge systems between classical and nonmomotonic logics. Currently working on the relations between nonmonotonic and probabilistic inference, from the perspective of uncertain reasoning in general.

Logic of Norms and Normative Systems

In the logic of norms (also known as deontic logic), my best-known publications analyse the Hohfeld classification of rights relationships and its application to real-life rights claims (particularly collective rights), and reconstruct the logic of norms in accord with the philosophical position that norms lack truth values. Morer recent work focuses largely on elaborating a general theory of input/output logics as a framework for conditional directives and permissions.

Modal Logic

Early work focussed largely on modal logic. Perhaps my most cited contribution in this area was the adaptation, in the 1965 D.Phil. thesis and a following publication of the maximal consistent set method, then well-known in classical propositional and predicate logic (Lindenbaum, Henkin), to serve as a tool for establishing completeness results in modal and other non-classical logics, where it is now a standard procedure. Also often cited is the discovery of the first simple and natural propositional logic lacking the finite model property; formulation of a generalised notion of relational model for modal logic, bringing the relational account into harmony with the algebraic one; and formulation of the first ‘embedding theorems’ for modal logics.

Other

I have also carried out research that does not fall squarely into any of the above categories. One, in the theory of *preference aggregation*, separates combinatorial from decision-theoretic components in Arrow's impossibility theorem and the closely related Blair/Bordes/Kelly/Suzumura theorem in the theory of collective preference, providing a particularly elegant proof of those results. Another introduces the fascinating concept of *logical friendliness*, and studies its manifestations in the literature of the last hundred and fifty years, as well as its properties. A third (with George Kourousias) introduces the concept of *parallel interpolation*.

ANNOTATED LIST OF PUBLICATIONS

See separate file

OTHER ACADEMIC ACTIVITIES

Participation in Workshops and Conferences

I prefer small and highly specialised meetings. Over the last fifteen years I have participated, often by invitation, in the following workshops: JELLIA (Roscoff France, 1988), Dynamics of Belief and Knowledge (Lund Sweden, 1989), Logic of Theory Change (Konstanz Germany, 1989), DRUMS Project on Inconsistency in Reasoning and Nonmonotonic Reasoning (Saint Malo France, 1993), Non-Classical Logics in Computer Science (Dagstuhl Germany, 1993), DEON'94 (Oslo Norway 1994), Nonmonotonic Reasoning (Dagstuhl Germany, 1994), Swedish-German Workshop on Belief Revision (Leipzig Germany, 1996), UNSW Knowledge Systems Seminar (Sydney Australia, 1996), ECSQARU/FAPR Workshop on Qualitative and Quantitative Practical Reasoning (Bad Honef Germany 1997), DEON'98 (Bologna Italy 1998), Augustus de Morgan Conference on Logic (London, 1999) DEON'00 Toulouse, France 2000), Ecole Thématique sur Economie Cognitive, Porquerolles France, September 2001, Augustus de Morgan Conference on Belief Revision (London, 2001), KR-02/NMR Workshop on Belief Revision (Toulouse 2002), DEON'2002 London, 2002), ASL Workshop on Nonmonotonic Logic (Münster 2002), International Colloquium on Formal Epistemology (Prague 2002), Atelier CNRS – Economie Cognitive (Paris 2002), Augustus de Morgan Conference on Logic and Probability (London, 2002), Workshop on Grounding Sensory Information and Symbolic Knowledge, (Sydney 2003), Seminar on Inconsistency Tolerance in Database, Knowledgebase and Software Systems (Dagstuhl 2003), Augustus de Morgan Conference on Agents and Knowledge Representation (London, 2003), Logika (Heinice, Czech Republic, 2004), School on Universal Logic (Montreux, 2005), Probability and Logic (Amsterdam, 2007), Seminar on Belief Change (Dagstuhl 2007), Progic (Canterbury 2007), Logika (Heinice, Czech Republic, 2008).

Normally, I decline invitations to large-scale conferences, as I find them unproductive. Exceptions were: invited speaker at International Congress of Logic, Methodology and Philosophy of Science (Florence Italy, 1995), Congress of the International Philosophy of Law Association IVR'97 (Buenos Aires Argentina 1997).

Reviewing, Refereeing

Regular reviewer for *Mathematical Reviews* and *Zentralblatt für Mathematik*. Occasional reviewer for *The Journal of Symbolic Logic* and other journals.

Referee for all the above journals and also the following: *Artificial Intelligence Journal, Journal of Philosophical Logic, Journal of Symbolic Logic, Notre Dame Journal of Formal Logic, Reports on Mathematical Logic, Synthèse, Theoria, Theory and Decision, Annals of Mathematics and Artificial Intelligence, Erkenntnis*.

Member of the programme committee and/or referee for many international conferences and workshops, including JELIA-88, JELIA-90, NIL-90, KR-91, IJCAI-91, NIL-91, ECAI-92, KR-92, IJCAI-93, ASL-93, KR-94, Fourth International Workshop on Nonmonotonic Reasoning, 1994, WOCFAI-94, WOCFAI-95, EPIA-95, DEON-98, DEON-2000, KR-02/NMR, DEON-02, NMR-04 (Special Workshop on

Belief Change), NMR-04 (Special Workshops on Foundations of Nonmonotonic Reasoning and on Belief Change), DEON-04, First European Conference on Cognitive Economics (ECCE1) 2004, TARK-05, KR-2006, Workshops for KR-2006, DEON-06, Rationality and Knowledge 2006, FOTFSVI 2007, DEON-08.

Research project evaluations for University of Uppsala, Israel Academy of Sciences. Book manuscript evaluations for Oxford University Press, Reidel Publishers, Kluwer. Examiner for doctoral theses at universities of Bahia Blanca, Buenos Aires, Sydney, Paris VI, Paris VII, Hamburg (Habilitationschrift), Manchester, Marseille, Imperial College London, Lausanne.

Editorial Boards

Member of the editorial Boards of the following journals: *Journal of Logic and Computation, Journal of Logic, Language and Information, Studia Logica, Journal of Applied Non-Classical Logics, Journal of Applied Logic, Cahiers de Logique et d'Epistémologie*.

Member of the editorial Boards of the following book series: *Trends in Logic* (Kluwer), *Studies in Logic and Practical Reasoning* (Kluwer).

Asssistant Editor 1990-1995 and Editor-in-Chief 1995-2001 of UNESCO's *International Social Science Journal* - a quarterly journal published in six languages reviewing developments in the social sciences with emphasis on subjects of international and interdisciplinary interest.

Co-Editor of UNESCO's *World Social Science Report 1999* – an overview of the ways in which social sciences are conducted in different parts of the world.

Membership of Professional Associations

Association of Symbolic Logic
British Logic Colloquium
CREA (Centre de recherche en épistemologie appliquée (associate member).