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Much of this material is available in .ps or .pdf form from my home page: [www.dpmms.cam.ac.uk/~tf](http://www.dpmms.cam.ac.uk/~tf).

Among the articles, items 16, 32 and 40 in the list of articles below were the results of invited talks at various meetings. Items 24, 25 and 27 were written at the invitation of people compiling those volumes.

## Books

- [1] Quine's NF, an introduction. Cahiers du Centre de Logique, Louvain-La-Neuve 1981
- [2] Set Theory with a Universal set. Oxford Logic Guides. OUP 1992.
- [3] Second (revised) edition of [2]. Oxford Logic Guides. OUP 1995.
- [4] Logic, Induction and Sets, London Mathematical Society Undergraduate Texts in Mathematics **56** Cambridge University Press.
- [5] Reasoning about Theoretical Entities. Advances in Logic vol.3 World Scientific (UK)/Imperial College press 2003.

## Undergoing Revision

- [6] An Introduction to the Axioms of Set Theory. Cambridge University Press.

## In Preparation

- [1] An Introduction to BQO and WQO theory. (with Monika Seisenberger—being considered by CUP for the LMS lecture notes series)
- [2] An Introductory Course in Logic for Philosophy Students (based on my lectures in Christchurch and UEA).

## Book proposals

- [1] Imaginaries in Mathematics: their History and Logic. (with Piers Bursill-Hall)—being discussed with WSP/ICpress.
- [2] Philosophy for Computer Scientists. (being discussed with WSP/ICpress and Princeton.)

## Collections

I was the editor of:

- [1] The Cresswell Festschrift, a special number of *Logique et Analyse*, **46** fascicule 181 (2003) to coincide with Cresswell's 65th birthday.
- [2] Logic and Rhetoric. Proceedings of a conference held in Cambridge, october 2006, to appear in a special number of *Logique et Analyse* **53** fascicule 210 June 2010.
- [3] NF 2007. Proceedings of the 70th anniversary NF meeting in Cambridge in 2007. I am editing this with Marcel Crabbé. *Cahier du Centre de Logique* **16** 2009. ([www.dpmms.cam.ac.uk/~tf/NFUK.html](http://www.dpmms.cam.ac.uk/~tf/NFUK.html).)

## Proposed Collections

It is proposed that I should edit the following.

- [1] Case studies in Philosophy of Mathematics (I am discussing with CUP the proposal to edit a collection under this title) (A “definite maybe” already from Ken Manders)

## Articles

- [1] (with B.G.Smith) A new proof of the Skolem-Löwenheim theorem (abstract) *Journal of Symbolic Logic* **44** (1977) p 447.
- [2] Further consistency and independence results in NF obtained by the permutation method. *Journal of Symbolic Logic* **48** (1983) pp 236-8.
- [3] A Point of Contact between Complexity Theory, Mathematical Logic and Game Theory. *Eureka* **45** 1985 pp 15-20.
- [4] Axiomatising Set Theory with a Universal Set, in “La Theorie des ensembles de Quine” Cahiers du Centre de Logique 4, CABAY Louvain-La-neuve 1983.
- [5] The Status of the Axiom of Choice in Set Theory with a Universal Set. *Journal of Symbolic Logic* **50** (1985) pp 701—7.
- [6] Term Models for a weak Set Theory with a Universal Set. *Journal of Symbolic Logic* v 52 (1987) pp 374-387. (Reprinted in Føllesdal, ed: Philosophy of Quine, V. Logic, Modality and Philosophy of Mathematics).
- [7] Permutation Models in the sense of Rieger-Bernays. *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik* **33** (1987) pp 201–210.
- [8] A Consistent second-order Theory with no (second-order) Models. *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik* **35** (1989) pp 385-6.
- [9] Permutation Models and Stratified Formulæ, a Preservation Theorem. *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik* **36** (1990) pp 385-388.
- [10] (With Richard Kaye) End-extensions preserving Power Set. *Journal of Symbolic Logic* **56** pp 323-328. (Reprinted in Follesdal (ed.) Philosophy of Quine, **V**: Logic, Modality and Philosophy of Mathematics)
- [11] The Animal Rights Question *Nature* July 4th, 1991. **352** 6330:9.
- [12] On a Problem of Dzierzgowski. *Bulletin of the Belgian Mathematical Society sér. B* **44** (1992) pp 207-214.
- [13] A Semantical Characterisation of the well-typed Formulæ of  $\lambda$ -calculus. *Theoretical Computer Science* **110**, (1993) 405-418.
- [14] Church-Oswald models for Set Theory. in: *Logic, Meaning and Computation: essays in memory of Alonzo Church*, Synthese library **305**. Kluwer, Dordrecht, Boston and London 2001.
- [15] Why Set theory without the axiom of foundation? *Journal of Logic and Computation*. **4**, number 4 (August 1994) pp. 333-335.
- [16] Weak Systems of Set Theory Related to HOL. (Invited talk given at the 1994 meeting of HUG) HUG94, Springer lecture notes in Computer Science **859** pp 193–204.
- [17] (with C.M. Rood.) Sethood and situations. *Computational Linguistics*. **22**, (1996) pp 405–408.
- [18] Sixty years of NF *The American Mathematical Monthly* **104** no. 9 (November 1997), pp. 838-845. (Reprinted in Follesdal, ed: Philosophy of Quine, V. Logic, Modality and Philosophy of Mathematics) Taylor-and-Francis 2001.

- [19] Games Played on an Illfounded Membership Relation. in *A Tribute to Maurice Boffa* ed Crabbé, Point, and Michaux. Supplement to the December 2001 number of the *Bulletin of the Belgian Mathematical Society*.
- [20] ZF + “Every set is the same size as a wellfounded set” *Journal of Symbolic Logic* **58** (2003) pp 1–4.
- [21] (with John Truss) The illfoundedness of the “set of wellordered subsets of” relation. *Journal of Symbolic Logic* **68** (2003) pp 879–884.
- [22] Better-quasi-orderings and coinduction, *Theoretical Computer Science*, **309**, Issues 1-3, 2 December 2003, pp. 111-123.
- [23] Finite-to-one maps. *Journal of Symbolic Logic* **68** (dec 2003) pp 1251-1253.
- [24] AC fails in the natural analogues of  $L$  and the cumulative hierarchy that model the stratified fragment of ZF. (This was my invited talk for the AMS-MAA joint meeting at Baltimore) in *Contemporary Mathematics* **36** 2004.
- [25] The Modal Aether in: Intensionality ed R. Kahle. *Lecture Notes in Logic* **22**, A.K. Peters, Wellesley, Mass, USA 2005 pp 1-19
- [26] The Significance of Yablo’s paradox without self-reference. *Logique et Analyse* **185-188** (2004) pp 461-2.
- [27] Asynchronous Games. *Proceedings of the 2004 Knowledge and games (KAG) meeting in Liverpool*.
- [28] Article on NF for the *Stanford Online Encyclopædia of Philosophy*.
- [29] Permutations and Wellfoundedness: the True Meaning of the Bizarre Arithmetic of Quine’s NF. *Journal of Symbolic Logic* **71** (2006) pp 227-240.
- [30] The Axiom of Choice and Inference to the Best Explanation. *Logique et Analyse* **194**, 2006 pp 191–197.
- [31] Deterministic and Nondeterministic Strategies for Hintikka Games in First-order and Branching-quantifier Logic. *Logique et Analyse* **195** 2006 pp 265–9.
- [32] (With John Truss) Ramsey’s theorem and König’s Infinity Lemma. Now online in *Archive for Mathematical Logic*.
- [33] A Note on Paradoxes in Ethics. in *Paradox: Logical, Cognitive and Communicative Aspects*. ed Skilters, Eklund, Jónsson and Wiegand, University of Latvia 2006. pp 135-137.
- [34] Erdős-Rado without choice. *Journal of Symbolic Logic* **72**, 2007, pp. 897-900.
- [35] (with Olivier Esser). Relaxing Stratification. *Bull. Belg. Math. Soc. Simon Stevin* **14** (2007), pp. 247-258.
- [36] Implementing Mathematical Objects in Set theory. *Logique et Analyse* **50** No.197 (2007)
- [37] Sharvy’s Lucy and Benjamin puzzle. *Studia Logica* **90** (2008) pp 249–256.
- [38] The Iterative Conception of Set. *Review of Symbolic Logic*. **1** (2008) pp 97-110.<sup>1</sup>
- [39] (with Nathan Bowler) Normal Subgroups of Infinite Symmetric Groups, with an Application to Stratified Set Theory. *Journal of Symbolic Logic* **74** (2009) pp 17–26.
- [40] Buddhism in Logic and Analytic Philosophy. Preface to “Pointing at the Moon”—the proceedings of BILAP (Buddhism in Logic and Analytic Philosophy) Oxford University Press 2009 (see [www.dpmms.cam.ac.uk/~tf/BILAP.html](http://www.dpmms.cam.ac.uk/~tf/BILAP.html)).
- [41] A Tutorial on Constructive NF, in the NF 70th anniversary volume *Cahiers du Centre de Logique* **16** 2009 pp 137–171.

<sup>1</sup>This was voted one of the ten best philosophy articles or 2008 by The Philosophers’ Annual.

- [42] Permutation methods in NF and NFU (with Randall Holmes) in the NF 70th anniversary volume *Cahiers du Centre de Logique* **16** 2009 pp 33–76.
- [43] Paris-Harrington in an NF context, in OHYAST (100 years of axiomatic set theory) *Cahiers du Centre de Logique* 2010 **17** pp 97–109.

### Articles in press

- [44] Identity and Existence of Emergent Objects. (to appear in the Proceedings of the Brussels 2007 conference on Identity and Existence.)
- [45] “Alternative Set Theories” (in collaboration with Randall Holmes and Thierry Libert) in volume 6 (“Sets in the Twentieth Century”) of the Handbook of the History of Logic, to be published in 11 volumes by Elsevier/North-Holland. It is edited by Dov Gabbay and John Woods. Akihiro Kanamori is co-editor of volume 6.
- [46] Rhetorical Devices in Analytic Philosophy: Editorial Introduction to Special Number of *Logique et Analyse* on Logic and Rhetoric. 2010
- [47] NF at (nearly) 75. In the Special Quine number of *Logique et Analyse*, edited by Cresswell and Rini. 2010 pp xx–xx
- [48] (with Thierry Libert) An Order-Theoretic account of some set-theoretical paradoxes *Notre Dame Journal of Formal Logic*.

### Unpublished papers under submission

- [49] Yablo’s Paradox and the Omitting Types Theorem for Propositional Logic, submitted to *Logique et Analyse*

### Translations, Commentaries and Extended Reviews

- [1] From Dedekind to Gödel: Essays in the Development of the Foundations of Mathematics *Physis* 1997.
- [2] Booth and Ziegler: “Finsler Set Theory: Platonism and Circularity” *Studia Logica* 1997.
- [3] Barwise, J. and Moss, L. “Vicious Circles” *The Computer Journal* **40** (1998) pp 61-63.
- [4] Hintikka, K. J. J. Selected papers vol 3: History and Philosophy of Logic (1999) **20** p 132.
- [5] Pitts-Dybjer: Semantics and Logics of Computation *Studia Logica*.
- [6] Translation of Specker, E.P. *Dualität* (Dialectica, 1957) with a commentary, in Føllesdal, ed: Philosophy of Quine, **4**. Logic, Modality and Philosophy of Mathematics pp 7-16. Taylor-and-Francis 2001.
- [7] Kurt Gödel and the Riddle of the Nile, *New Scientist*, Nov 25, 2000 **168** (2266): 54-54.
- [8] Luciano Floridi: *Philosophy and Computing: an introduction*. Times Literary Supplement (August 11, 2000), 5080:27.
- [9] Annotated translation of Jean Coret: *Sur les cas stratifiés du schema de remplacement*. Published electronically on <http://www.logic-center.be/Publications/Bibliotheque/default.html>
- [10] Annotated translation of Roland Hinnion’s Ph.D thesis from 1976 “Sur La Théorie des ensembles de Quine”. Published electronically on <http://www.logic-center.be/Publications/Bibliotheque/>