CURRICULUM VITAE

Patrick Wyndham Hanks

PROFILE

I am a lexicographer and corpus linguist. I also have experience of teaching at both undergraduate and postgraduate levels, and I am a frequent invited speaker at conferences. My research involves both application of computational techniques to lexicography and applications of lexicography in computational linguistics. The basic problem addressed by this research is the relationship between word meaning and word use, with practical applications in language engineering, language teaching, and lexicography.

In my spare time I am also a student of names – editor in chief of the *Dictionary of American Family Names* (Oxford University Press, New York, 2003), a summary of the origin and history of over 70,000 family names, which includes contributions from over thirty of the world's leading experts on personal names.

EDUCATIONAL QUALIFICATIONS

Ph.D.   Informatics, Masaryk University, Brno, Czech Republic
M.A.   English Language and Literature, University College, Oxford, England
B.A.   English Language and LiteratureUniversity College, Oxford, England:
                winner of Open Exhibition.

POSITIONS HELD

2003-present **Gastwissenschaftler, Digitales Wörterbuch der Deutschen Sprache, Berlin-Brandenburgische Akademie der Wissenschaften, Berlin, Germany**

I am a visiting scientist at the Berlin-Brandenburg Academy of Sciences, acting (among other things) as planner and adviser for a new corpus-based dictionary of the German language and adviser to a project analysing German collocations, phraseology, and idioms.

I am also a consultant to various other lexicographical projects in other parts of the world, including the forthcoming Patakis Dictionary of Modern Greek, the forthcoming Malay dictionary of Dewan Bahasa dan Pustaka (Kuala Lumpur), and the Centre for Czech Computational Lexicography, based in Prague and Brno.

2002-present **Adjunct Professor, Department of Computer Science, Brandeis University, Waltham, MA, USA**

In this role, I teach corpus analysis and computational lexicography as part of the program 'Advanced Topics in Computer Science'. I have also contributed to courses on the origins of language and the history of English.

My research at Brandeis applies prototype theory and generative lexicon theory to practical corpus analysis, with some reference to frame semantics. With a group of colleagues, I am building a context dictionary of English for automatic semantic interpretation of unrestricted text, of which I am co-principal investigator. This is a joint project with the Masaryk University in Brno, where a similar analysis is being undertaken for the Czech language.

2002-2005   Editor for Lexicography, Encyclopedia of Language and Linguistics, 2nd edition (ELL2), Elsevier, Oxford, England

ELL2 is a major reference work of 14 projected volumes, to be published in November 2005. For it, I commissioned, edited, and have seen through to publication over 80 articles on lexicography and onomastics, covering both theoretical issues such as definitions, phraseology, etymology, etc., and the history and current status of lexicography in all the world's major languages and regions. I also wrote six of the major articles.

2000-2002   Chief Lexical Analyst, Lexeme/Lingomotors, Cambridge, MA, USA

In this role, I developed applications for improving the relevance and accuracy of information retrieval by enhancing the lexicon with related search terms -- "breaking the tyranny of text matching" -- and developing systems for word-senses disambiguation and inferencing, using corpus analysis, in a lexicon for natural-language understanding. I also worked on problems of named-entity recognition.

2000   Visiting Professor, Department of Computer Science, University of Pennsylvania, Philadelphia, PA, USA

In this role I taught corpus linguistics and computational lexicography and continued my corpus-based research on syntagmatic prototypes in the lexicon.

1999-2000   Visiting Fellow, Department of Computer Science, University of Sheffield, England

Following the success of the Senseval Project in 1997-8 and its use of the Hector data, I was invited to recruit and direct a team of corpus lexicographers working on the NSF-funded VerbNet Pilot Project based at the Universities of Sheffield (UK) and Pennsylvania.

1998, 2002   Visiting Lecturer, Department of Informatics, Masaryk University, Brno, Czech Republic

I taught courses in computational lexicography, corpus analysis, and academic writing in English.

1990-2000   Chief Editor, Current English Dictionaries, Oxford University Press, Oxford, England

I was responsible for the successful completion and publication of all OUP's dictionaries of current English in the 1990s, including *The New Shorter Oxford English Dictionary* (1993),

the *Oxford English Reference Dictionary* (1994), and the *Concise Oxford Dictionary, 9th edition* (1995). I introduced computational corpus analysis to Oxford dictionaries, culminating in the *New Oxford Dictionary of English* (1998), which made extensive use, not only of corpus evidence and computing, but also of recent developments in cognitive linguistics and the philosophy of language. I was responsible for developing lexicographical methodology, determining editorial policy, managing budgets, and staff recruitment and training.

1991-93   Principal investigator: the Hector project, Systems Research Center (SRC), Digital Equipment Corporation, Palo Alto, CA, USA

The Hector Project was a research project into new techniques in corpus analysis and text handling, jointly funded by Oxford University Press and Digital Equipment Corporation. It resulted in a new approach to lexicography in Oxford and provided a benchmark for computational meaning analysis (e.g. in the Senseval project). The Hector project also contributed significantly to the development of the Altavista web search engine.

1983-90   Concurrently Chief Editor, Collins English Dictionaries and Editorial Director, Cobuild, Birmingham; Research Fellow in the School of English, University of Birmingham, England

I was responsible for the development of all Collins' English-language lexicography, including the highly innovative Cobuild project, described by Professor David Wiggins, Wykeham Professor of Logic in the University of Oxford, as "the first really significant advance in the handling of word meaning since the 17th-18th century".

1987-90   Visiting Scientist, Linguistics Research Department, AT&T Bell Laboratories, Murray Hill, NJ, USA

I was a member of an interdisciplinary research group at Bell Laboratories, working on statistical analysis of the lexicon using large corpora. The papers of which I am co-author have been influential on subsequent work on the lexicon and are widely cited.

1980-83   Director, Names Research Unit, Department of Language and Linguistics, University of Essex, England

This research developed new ways of investigating the history and distribution of personal names. Publications included *A Dictionary of Surnames* (Oxford, 1988) and *A Dictionary of First Names* (Oxford, 1990).

1980   Teacher of English as a Foreign Language, Furudals Bruks Kurscentrum, Sweden

Among the fruits of this interlude in my career was a very successful textbook for foreign students of business English, published by Cambridge University Press.

1970-79   Editor, *Collins English Dictionary*

I wrote the original detailed plan outlining the design and methodology for this best-selling British dictionary in 1970 and saw it through to publication nine years later. Compilation

involved management of 30 staff and a large number of specialist contributors. I established the use of computer technology in dictionary compilation.

1965-70   **Editor,** *Hamlyn Encyclopedic World Dictionary*

I joined Paul Hamlyn Publishers as an assistant editor in 1964 and the following year was appointed editor of this major new dictionary, which was published in 1971.

1963-64   **Trainee Editor, George G. Harrap & Co. Ltd.**

I received an excellent training as a text editor in the editorial department of a traditional British publishing house, and processed many school texts books, monographs, novels, and other works from manuscript to publication.

Membership of Academic Societies

European Association for Lexicography
Dictionary Society of North America
Association for Computational Linguistics
American Name Society
Society for Name Studies in Great Britain and Ireland
English Place Name Society

Consultancies, Keynote Lectures, and Invited Courses

I have served as a consultant, evaluator, adviser, and visiting scientist for a wide variety of institutions, both in the computing and publishing areas of the private sector, and in the public sector. These include Patakis Publishers (Athens, Greece), Dewan Bahasa dan Pustaka (Kuala Lumpur, Malaysia), the Centre for Czech Computational Lexicography (Prague/Brno, Czech Republic), AT&T Bell Laboratories (Murray Hill, NJ, USA), Elsevier Publishers (Oxford, England, and Amsterdam, England), Digital Equipment Corporation (Systems Research Center, Palo Alto, CA, USA), Xerox European Research Centre (Meylan, France), IBM Linguistic Research (Yorktown Heights, NY, USA), DARPA (USA), the British Council (UK), the Engineering and Physical Sciences Research Council (UK), and DG XIII of the European Community.

I am a member of the editorial board of the *International Journal of Lexicography* and the *International Journal of Corpus Linguistics,* and have served on the program committees for numerous conferences in computational linguistics and lexicography.

Listed below are some of the main invited lectures and courses which I have given outside my 'home' institution during the past 25 years.

June 2005   Invited keynote lecture, 'Theoretical Foundations of Dictionary Definitions', Dewan Bahasa dan Pustaka, Kuala Lumpur, Malaysia

June 2005   Invited keynote lecture, 'Meaning and Metaphor', Complex '05, Research Institute for Linguistics, Hungarian Academy of Sciences, Budapest, Hungary:

Sept. 2004   Invited plenary lecture, 'Common Sense about Word Meaning', Text, Speech, and

Dialog Conference, Masaryk University, Brno, Czech Republic

Feb. 2004 Invited lecture, 'Corpus Pattern Analysis', Johns Hopkins University, Baltimore, MD, USA

July 2004 'Corpus Pattern Analysis', biennial meeting of the European Association for Lexicography, University of Southern Brittany, Lorient, France.

April 2004 Invited courses of lectures on Corpus Analysis, Meaning, Metaphor, and Lexicography at the Universities of Poznań and Opole, Poland

Jan. 2004 Panelist on metaphor and idioms, Global WordNet Conference, Brno, Czech Republic

Dec. 2003 Invited presentations, international conference on semantic tagging, Charles University, Prague, Czech Republic

Nov. 2003 Invited lecture on corpus linguistics, University of Bonn, Germany

Nov. 2003 Invited lecture on the Theory of Norms and Exploitations, University of Sheffield, England

May 2003 Invited lecture, 'Norms and Exploitations', Berlin Academy of Sciences, Germany

Dec. 2002 Course of invited lectures on computational lexicography and empirical methods in corpus analysis, Masaryk University, Brno, Czech Republic

May 2002 Course of invited lectures, 'Computational Lexicography and Empirical Corpus Analysis', University of Lecce, Apulia, Italy

June 2002 Visiting lecture: 'Lexical Analysis', University of Brighton, England

Aug. 2001 Keynote lecture, Asialex, Yonsei University, Seoul, Korea: 'The Probable and the Possible: Lexicography in the Age of the Internet'

July 2001 (with James Pustejovsky) Tutorial on very large lexical databases, Association For Computational Linguistics, Toulouse, France

Aug. 2000 Keynote speaker: Euralex International Conference, Institute for Computational Linguistics, University of Stuttgart, Germany

Sept. 1999 Keynote speaker: Workshop on Text, Speech, and Dialog, University of Western Bohemia, Czech Republic

Sept. 1999 Lecture on American Family Names, 20th International Congress of Onomastic Sciences, Santiago de Compostela, Galicia, Spain

May 1999 Keynote lecture: Dictionary Society of North America conference, University of California at Berkeley, CA: international audience

May 1999	Invited lecture: 'Mapping Syntax onto Semantics: A Lexicographical Approach', Information Sciences Institute, University of Southern California, Santa Monica, CA
April 1999	Invited lecture: 'Dr Johnson and Modern Lexicography', English Department, Masaryk University, Brno, Czech Republic
April 1999	Course on Computational Lexicography, Masaryk University, Brno, Czech Republic
March 1999	Invited lecture, 'Johnson and Modern Lexicography': the Johnson Society, Lichfield, England:
Sept. 1997	Course: 'Computers and Text', European Society for the Study of English, meeting at the Lajos Kossuth University, Debrecen, Hungary
June 1997	Keynote speaker: International Conference on Practical Applications of Large Corpora, Duo Colloquium, held at the University of Lodz, Poland
Jan. 1997	Invited speaker on dictionaries; the current state of the art, at the Modern Language Association, Washington DC, USA
Dec. 1995	Leader, World-Bank-funded course on new technologies ('from Corpus to Dictionary') at Lajos Kossuth University, Debrecen, Hungary:
Nov. 1995	Mathesius lectures: 'New Developments in Lexical Analysis', Charles University, Prague, Czech Republic
Sept. 1995	Keynote speaker, Euralex Conference on Meaning and Translation, University of Lodz, Poland
March 1995	Invited Speaker, Association for Computational Linguistics (European Chapter), Dublin, Ireland
Nov. 1994, 1996, 1998	Invited Speaker, University of Sheffield, England: 'Lexicography and the English Language'. Open Day for prospective English Language students
June 1994	Invited Speaker, Complex '94, Research Institute for Linguistics, Hungarian Academy of Sciences, Budapest, Hungary:
April 1993	Invited participant: four-day international seminar at Schloss Dagstuhl, Germany, on universals in the lexicon, organized jointly by the University of Stuttgart and Brandeis University
Sept. 1992	Invited seminar series, 'Word Meaning and Word Use', Computing Research Laboratory, New Mexico State University, NM, USA
Jan. 1991	Invited lecture, European Colloquium on Linguistic Engineering, Versailles, France: 'The Role of Dictionaries in Language Engineering'
Oct. 1990	Invited participant, DARPA and NSF workshop on the lexicon, University of

Pennsylvania, Philadelphia, PA, USA

Aug. 1990　　　(with Judith Klavans, IBM): series of four tutorials for computational linguists on the role of large text corpora in building natural language systems, COLING, Helsinki, Finland

March 1990　　Invited seminar, IBM Thomas J. Watson Research Center, Yorktown Heights, NY: 'Using Corpus-based Statistics in Language Analysis'

Dec. 1989　　Public Lecture: 'Words and Names', University of Essex, England, as part of the university's 25th anniversary celebrations

Sept. 1989　　Invited panelist: Euralex workshop on the lexicon, St Catherine's College, Oxford

June 1989　　Invited lecture, Computing Research Laboratory, New Mexico State University: 'Automatic Word Sense Disambiguation'

May 1989　　Invited lecture, International Group of Educational Publishers, Glasgow: 'Corpus-based Dictionaries'

Feb. 1989　　Invited lecture, Department of Computer Science, Virginia Polytechnic　　Institute and State University, Blacksburg, VA: `Semantics in the Dictionary'

May 1988　　Invited seminar, International Group of Educational Publishers, Barcelona, Catalonia: 'New Developments in Lexicography and Dictionary Publishing'

Jan.1988　　Invited seminar, Department of Philosophy, University of Glasgow: 'Word Meaning'

Oct. 1987　　Series of public lectures in Lyons, Toulouse, Bordeaux, and Paris: 'A dictionary that will help foreign learners write and speak more idiomatically'

July 1987　　Invited lecture, the American School, Istanbul, Turkey: 'How non-native speakers can learn to use English more normally'

July 1987　　Invited lecture, University of Istanbul, Turkey: 'What is Idiomatic English?'

June 1987　　Invited lecture, Computing Research Laboratory, New Mexico State University, Las Cruces, NM: 'Lexical Analysis'

Sept. 1986　　Keynote lecture: 'Typicality and Meaning Potentials': Euralex International Congress, ETH Zürich, Switerland

June 1984　　Course leader: in-service teacher training for Lodz Technical University and Lodz Medical Academy, Poland; organized by the British Council

May 1983　　Course leader, in-service teacher training for the English Department, University of Katowice, Poland, organized by the British Council

PUBLICATIONS

I. Corpus Linguistics and Lexicology

Forthcoming   *Critical Concepts in Lexicology*, a five-volume international and interdisciplinary collection of papers, edited with an introduction by Patrick Hanks. London: Routledge.

Forthcoming   *Norms and Exploitations: Corpus, Computing, and Cognition in Lexical Analysis*. MIT Press

Forthcoming   'Metaphoricity is a Gradable' in A. Stefanowitsch and S. Gries (eds.): *Corpora in Cognitive Linguistics. Vol. 1: Metaphor and Metonymy*. Berlin and New York: Mouton de Gruyter

Forthcoming   (with J. Pustejovsky) 'A Pattern Dictionary for Natural Language Processing' in *Revue française de linguistique appliquée* 10 (2)

2005d   Articles on 'Lexicography', 'English Lexicography', 'American Lexicography' (with J. Sheidlower), 'Definition', 'Personal Names'. 'Proper Names', and 'Nicknames' in *Encyclopedia of Language and Linguistics* (ELL2). Oxford: Elsevier.

2005c   'Metaphors and Meanings: a Lexicographical Approach' in F. Kiefer, G. Kiss, and J. Pajzs (eds.) *Papers in Computational Lexicography: Complex 2005*. Hungarian Academy of Sciences, Budapest

2005b   'Johnson and Modern Lexicography' in *International Journal of Lexicography* 18:2.

2005a   'Similes and Sets: the English Preposition *like*' in R. Blatná and V. Petkevič (eds.): *Jazyky a jazykověda (Languages and Linguistics: Festschrift for Professor Fr. Čermák)*. Prague: Philosophy Faculty of the Charles University

2004   'The Syntagmatics of Metaphor' in *International Journal of Lexicography* 17:3.

2003   'Lexicography' in Ruslan Mitkov (ed.): *Handbook of Computational Linguistics*. Oxford University Press

2002   'Mapping Meaning onto Use' in Marie-Hélène Corréard (ed.): *Lexicography and Natural Language Processing: a Festschrift in honour of B. T. S. Atkins*. Euralex

2001   'The Probable and the Possible: Lexicography in the Age of the Internet' in *AsiaLex Proceedings*. Yonsei University, Seoul, Korea

2000a   'Do Word Meanings Exist?' in *Computers and the Humanities* 34

2000b   'Contributions of Lexicography and Corpus Analysis to a Theory of Language Performance' in *Euralex 2000 Proceedings*. IMI Stuttgart.

2000c 'Immediate Context Analysis: distinguishing meanings by studying usage' in Chris Heffer and Helen Sauntson (editors): *Words in Context: A Tribute to John Sinclair on his Retirement.* University of Birmingham ELR Discourse analysis Monograph No. 18.

1999 'English Phraseology and Idiom Dictionaries' in G. Corpas Pastor (ed.) *Las lenguas de Europa: Estudios de fraseología, fraseografía y traducción.* Comares, Granada

1998 'Enthusiasm and Condescension: Changing Norms of Meaning and Use' in T. Fontenelle et al. (eds.): *Euralex'98 Proceedings*

1997 'Lexical Sets: Relevance and Probability' in B. Lewandowska-Tomaszczyk and M. Thelen (eds.) *Translation and Meaning, Part 4.* School of Translation and Interpreting, Maastricht, The Netherlands

1996a 'Contextual Dependency and Lexical Sets' in *International Journal of Corpus Linguistics 1 (1).* John Benjamins

1996b (with Barbara Lewandowska-Tomaszczyk): 'Completive Particles and Verbs of Closing in English' in E. Weigand and F. Hundsnurscher (eds.) *Lexical Structures and Language Use.* Max Niemeyer Verlag, Tübingen

1994a (with K. Church, W. Gale, D. Hindle, and R. Moon) 'Lexical Substitutability' in B. T. S. Atkins and A. Zampolli (eds.), *Computational Approaches to the Lexicon.* Oxford University Press

1994b 'Linguistic Norms and Pragmatic Exploitations, Or Why Lexicographers need Prototype Theory, and Vice Versa' in F. Kiefer, G. Kiss, and J. Pajzs (eds.) *Papers in Computational Lexicography: Complex '94.* Hungarian Academy of Sciences, Budapest

1993 'Lexicography: Theory and Practice' in *Dictionaries: Journal of the Dictionary Society of North America,* vol. 14

1992a 'Computational Analysis and Definitional Structure' in F. M. Dolezal, A. Kucera, A. Rey, H. E. Wiegand, W. Wolski, and L. Zgusta (eds), *Lexicographica* 8. Niemeyer

1991a 'Evidence and Intuition in Lexicography' in J. Tomaszczyk and Barbara Lewandowska-Tomaszczyk (eds.), *Meaning and Lexicography.* John Benjamins

1991b 'Towards a Statistical Dictionary of Modern English' in T. Magay (ed.) *Budalex '88: Proceedings of the Third Euralex International Congress.* Budapest

1991c (with K. Church, W. Gale, and D. Hindle) 'Using Statistics in Lexical Analysis' in U. Zernik (ed.), *Lexical Acquisition: Using On-line Resources to Build a Lexicon.* Lawrence Erlbaum Associates

1989a (with K. Church) 'Word Association Norms, Mutual Information, and Lexicography', in *Proceedings of the 27th Annual Meeting of the Association for Computational Linguistics*; reprinted in *Computational Linguistics*, Spring 1990

1989b   (with K. Church, W. Gale, and D. Hindle) 'Parsing, Word Associations and Typical Predicate-Argument Relations', in M. Tomita (ed.) *Proceedings of the International Workshop on Parsing Technologies*. Carnegie Mellon University

1986   'Typicality and Meaning Potentials' in M. Snell-Hornby (ed.) ZüriLEX '86 Proceedings. Francke Verlag

1987   'Definitions and Explanations' in J. M. Sinclair (ed.), *Looking Up*. Collins

1981   'The English of Southern Africa' in *English in Africa*, vol. 8, no. 1

1979b   'To what Extent does a Dictionary Definition Define?' in R. R. K. Hartmann (ed.), *Dictionaries and their Users,* Exeter Papers in Lexicography

II. English-Language Dictionaries

NOTE: only original works for whose planning and execution I was responsible are listed here. In addition to these works, I had editorial and managerial responsibility for the general policy and content of a very large number of other dictionaries, derivatives, and revised editions of dictionaries at Collins and subsequently Oxford University Press.

2000   *New Oxford Thesaurus of English*

1998   *New Oxford Dictionary of English*

1995   *Oxford English Reference Dictionary*

1989a   *Collins School Dictionary*

1989b   *Collins Pocket English Dictionary*

1988   *Collins Cobuild Essential English Dictionary*

1987   *Collins Cobuild English Language Dictionary*

1982   *Collins Concise English Dictionary*

1979   *Collins English Dictionary*

1971   *Encyclopedic World Dictionary,* Paul Hamlyn

III. Names Studies

Forthcoming   Oxford *Dictionary of First Names, fourth edition*. Oxford University Press

2005   'Americanization of European Family Names in the 17th and 18th Centuries' in *Onoma, the International Journal of Onomastic Sciences* 38.

2003   *Dictionary of American Family Names*. 3 vols. Oxford University Press, New York

2001   (with F. Hodges) *A Concise Dictionary of First Names, third edition*. Oxford University Press

2000   (with D. Kenneth Tucker) 'A Diagnostic Database of American Personal Names', in *Names* 48.1

1997   (with F. Hodges) *A Concise Dictionary of First Names, second edition*. Oxford University Press

1992a   (with F. Hodges) *A Concise Dictionary of First Names*. Oxford University Press

1992b   'The Present-Day Distribution of Surnames in the British Isles' in *Nomina* 16

1990   (with F. Hodges) *Dictionary of First Names*. Oxford University Press

1988c   (with F. Hodges) *Dictionary of Surnames*. Oxford University Press

IV. English-Teaching Course Book

1986a   (with Jim Corbett) *Business Listening Tasks.* Cambridge University Press

1986b   (with Jim Corbett) *Business Listening Tasks: Guide for Teachers and Self-Study.* Cambridge University Press