

# Exhibit H

(Defendants' Notice of Identification of Experts)

to

TimeBase's Memorandum in Support of Its Motion  
for Summary Judgment of No Invalidity

UNITED STATES DISTRICT COURT  
DISTRICT OF MINNESOTA

TIMEBASE PTY LTD.,

Plaintiff,

vs.

THE THOMSON CORPORATION, WEST  
PUBLISHING CORPORATION, and  
WEST SERVICES, INC.,

Defendants.

Civil No. 07-CV-1687 (JNE/JJG)

**DEFENDANTS' NOTICE OF  
IDENTIFICATION OF EXPERTS**

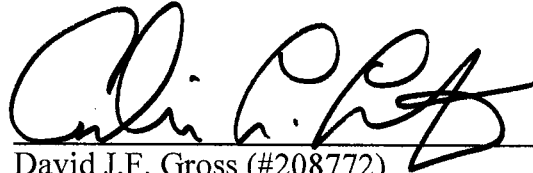
Pursuant to the Court's Order Modifying Second Amended Pretrial Scheduling Order, dated August 2, 2010, defendants The Thomson Corporation, West Publishing Corporation, and West Services, Inc. hereby identify the following persons who may submit expert reports on issues relating to invalidity:

1. Prof. Michael Stonebraker  
MIT Computer Science and Artificial Intelligence Laboratory  
MIT Stata Center, Room 32-G922  
32 Vassar Street  
Cambridge, Massachusetts
2. Brian Travis  
816 Elm St.  
Manchester, New Hampshire
3. Eve Wilson  
47 Rough Common Road  
Rough Common  
Canterbury  
Kent, England

Copies of CVs for each of these individuals are attached.

Dated: January 5, 2011

**FAEGRE & BENSON LLP**



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David J.F. Gross (#208772)  
Calvin L. Litsey (#153746)  
Mary V. Sooter (pro hac vice)  
Kevin P. Wagner (#034008X)  
Katherine S. Razavi (#388958)  
2200 Wells Fargo Center  
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**Attorneys for Defendants The Thomson  
Corporation, West Publishing  
Corporation, and West Services, Inc.**

## **Biographical Sketch - Michael Stonebraker**

MIT Computer Science and Artificial Intelligence Laboratory  
32 Vassar St., room 32-G922  
Cambridge, MA. 02139  
Tel (603) 714-4451  
Email: stonebraker@csail.mit.edu

### **Areas of Special Interest**

Database systems, data warehouses, federated database systems, database systems for new application areas, operating systems

### **Professional Preparation:**

B.S.E.E. - Princeton University 1961  
PhD Computer Information and Control Engineering - Univ. of Michigan 1971

### **Appointments**

University of California, Berkeley - Asst. Professor 1971-1976,  
Assoc. Professor 1976-1982,  
Professor 1982-1994,  
Professor of the Graduate School 1994-1999.  
Massachusetts Institute of Technology - Senior lecturer 2001-2002  
Adjunct Professor 2002-

Ingres Corporation - Founder and Chief Technology Officer - 1980-1992  
Illustra Corporation - Founder and Chief Technology Officer - 1992-1996  
Informix Corporation - Chief Technology Officer - 1996-2000  
Cohera Corporation - Founder and Chief Technology Officer - 1997-2001  
Streambase, Inc. - Founder and Chief Technology Officer - 2003- 2007  
Vertica Systems, Inc. - Founder and Chief Technology Officer - 2005 –  
Goby, Inc. - Founder and Chief Technology Officer – 2008 –  
VoltDB, Inc. – Founder and Chief Technology Officer – 2009 –  
Paradigm4, Inc. - Founder and Chief Technology Officer – 2009 –

### **Awards and Honors:**

ACM Software System Award 1988  
ACM SIGMOD Innovation Award 1992  
National Academy of Engineering 1998  
IEEE John von Neumann Medal 2005  
American Academy of Arts and Sciences 2010

### **Relevant Publications**

Michael Stonebraker, Jacek Becla, David Dewitt, K-T Lim, David Maier, Oliver Ratzberger, Stan Zdonik, “Requirements for Science Data Bases and SciDB,” Proc. 2009 CIDR Conference, Asilomar, Ca., Jan 2009.  
Michael Stonebraker, Sam Madden, Dan Abadi, Stavros Harizopoulos, Nabil Hachim, Pat Helland, “The End of an Architectural Era (It’s Time for a Complete Rewrite),” Proc. 2007 VLDB Conference, Vienna, Austria, Sept 2007.

Michael Stonebraker, Chuck Bear, Ugur Cetintemel, Mitch Cherniack, Stavros Harizopoulos, John Lifter, Jennie Rodgers, Stan Zdonik, "One Size Fits All? Part 2: Benchmarking Studies", Proc 2007 CIDR Conference, Asilomar, Ca., Jan 2007

Michael Stonebraker, Daniel Abadi, Adam Batkin, Xuedong Chen, Mitch Cherniack, Miguel Ferreira, Edmond Lau, Amerson Lin, Sam Madden, Elizabeth O'Neil, Pat O'Neil, Alex Raison, Stan Zdonik, "C-Store: A Column-oriented DBMS," Proc. 2005 VLDB Conference, Trondheim, Norway, Sept 2005.

Michael Stonebraker, Ugur Cetintemel, "One Size Fits All: An Idea Whose Time Has Come and Gone," Proc. 2005 ICDE Conference, Tokyo, Japan, April 2005.

### **Other Publications**

Hari Balakrishnan, Magda Balazinska, Don Carvey, Ugur Cetintemel, Mitch Cherniack, Christian Convey, Eddie Galvez, Jon Salz, Michael Stonebraker, Richard Tibbetts, Stan Zdonik, "Retrospective on Aurora," VLDB Journal 13(4), p370-383 (2004)

Daniel Abadi, Don Carvey, Ugur Cetintemel, Mitch Cherniack, Christian Convey, Sangdon, Michael Stonebraker, Nesime Tatbul, Stan Zdonik, "Aurora: A New Model and Architecture for Data Stream Processing," Proc. 2002 VLDB Conference, Hong Kong, China, August 2002.

Michael Stonebraker, Paul M. Aoki, Witold Litwin, Avi Pfeffer, Adam Sah, Jeff Sidell, Carl Staelin, Andrew Yu, "Mariposa: A Wide-Area Distributed Database System," VLDB Journal 5(1), p48-63 (1996).

Michael Stonebraker, Greg Kemnitz, "The Postgres Next Generation Database Management System," CACM 34(10), p78-92 (1991).

Michael Stonebraker, Eugene Wong, Peter Kreps, Gerald Held, "The Design and Implementation of INGRES," TODS 1(3), p189-222 (1976).

### **Synergistic Activities:**

Wrote several major public domain DBMS prototypes, including C-Store, Ingres and POSTGRESQL. The latter system is currently widely used as a teaching instrument in universities and forms the basic for several commercial DBMS products.

Have founded the New England Database Symposium (NEDS) as a mechanism for Boston-area DBMS researchers to network and collaborate.

Have produced 4 editions of the "Red Book" - an edited collection of papers that forms the core readings in many graduate database courses.

Have organized (in conjunction with Jim Gray) four self assessments (roughly every 5 years) of the DBMS field by senior researchers.

Have started (in conjunction with Jim Gray and David Dewitt) the Conference on Data Systems Research (CIDR) - a conference oriented toward practical research in data systems.

**Collaborations:)** Hari Balakrishnan (MIT), Magda Balazinska (Washington), Jacek Becla (SLAC), Mike Carey (UC Irvine), Ugur Cetintemel (Brown), Mitch Cherniak (Brandeis), David Dewitt (Microsoft), Joey Hellerstein (Berkeley), Steven Kahn (SLAC), K-T Lin (SLAC), Sam Madden (M.I.T.), Dave Maier (Portland State), Jignesh Patel (Wisconsin), Oliver Ratzesberger (eBay), Jennifer Widom (Stanford), Stan Zdonik (Brown)

**PhD Advisor:** Dr. Arch Naylor (Michigan) - now retired

**Completed PhD students:** (sample from more than 20 completed PhD students) Gerald Held (until recently Vp/ Eng'g of Oracle Corp.), Robert Epstein (founder and until recently VP/Eng'g of Sybase Corp.), Paula Hawthorn (most recently VP/Eng'g of Informix Corp.), Dale Skein

(founder and CTO of Vitria Corp.), Mike Carey (UC Irvine), Margo Seltzer (Assoc Professor of Computer Science at Harvard), Anant Jhingran (Manager - Database Department of IBM Almaden Research Laboratory)

Brian Travis  
603-522-7001  
brian.travis@gmail.com

## Objective

To help an enterprise achieve its goals of internal and partner integration and documentation using state-of-the-art computer-based tools.

## Consultant

- Architected and developed comprehensive multi-media publishing system for legal publisher (SGML, Folio Views, OmniMark)
- Designed and built many parts of various document management systems for legal publishing, including data conversion, CD-ROM generation and Web-site delivery. (SGML, XML, ASP.NET, SGML, C#, SQL Server 2005, Several publishing tools)
- Member of the team that developed a U.S. Department of Defense logistics and maintenance support system. (C++, Oracle, SGML/XML, OmniMark, ArborText)
- Architected an enterprise integration infrastructure for an oil company and built a template system for the development/deployment team. (XML, BizTalk Server 2006, SQL Server 2005, Visual Studio 2005 Team Suite, C#, Web Services)
- Architected and built an enterprise integration infrastructure for a Fortune 100 retail company (XML, WebSphere Message Broker, Eclipse, Java, .NET web services, System z mainframe, Oracle retail verticals)
- Dozens of smaller projects for internal and external clients.

## Speaker

- Noted speaker at various conferences around the world, including SGML Open, Comdex, TechEd, Seybold, and Internet World, consistently achieving the highest ratings.
- Four world tours lecturing on electronic business, XML, web services, and enterprise architecture for Microsoft, 1999-2003. Total of 12,000 attendees to a six-hour event.
- Invited speaker at internal corporate events for Microsoft, IBM, Intel, Nokia, Deutsche Telecom, and many others.

## Trainer

- Trained thousands of professionals in XML, SGML, Web Services, and Enterprise Architecture Best Practices.
- Recorded several broadcast sessions for The Computer Channel (Now WatchIT).

## Author

- *Pro Drupal for Windows Developers, 2011, Apress*
- *1,001 Duck Bar Jokes, 2007, Free Minds Press*
- *FoodMovers: Building Distributed Applications using VS.NET, 2003, Microsoft Developer Network Architecture Center.*

- *Web Services Implementation Guide*, 2002, Architag Press.
- *XML and SOAP Programming for BizTalk Servers*, 2000, Microsoft Press.
- *OmniMark At Work*, 1997, SGML University Press.
- *SGML Implementation Guide*, 1995, Springer-Verlag.
- Editor in Chief, <TAG> *The SGML Newsletter*, 1993-2001
- Numerous journal articles.

## **Technician**

- Fluent in XML/XSLT/XSD, SGML, C#, .NET Framework, WebSphere, HTML, J2EE, OmniMark, and most major computer technologies.
- Wrote real-time validating XML editor with 100,000 users worldwide.
- Built numerous in-house systems using Microsoft tools.
- Inventor, gardener, carpenter, excavator, lumberjack.

## **Entrepreneur/Leader**

- Managed 30-person consulting and training company.
- Led team to develop Internet-based technical documentation system.
- Built and sold computer training organization.
- Built and sold monthly trade newsletter.
- Built three consumer e-commerce web sites.

## **Work History**

1991 to Present, Chief Technical officer, Architag International, Parker, CO

1988 to 1991, Consultant, InfoDesign Corp, Toronto, Canada

1983 to 1988, Programmer/Analyst, The Sharper Image, San Francisco CA

## **Education**

1986 -1988 Golden Gate University, San Francisco, CA

- MS, Information Technology, interrupted

1977 - 1983 Cal Poly, San Luis Obispo, CA

- BS, Printing Management



## Curriculum Vitae

Name: Eve Wilson, B.Sc., MBCS, C.Eng.  
Faculty: Information Technology  
Subject: Computer Science  
Presently: Senior Lecturer in Computer Science, appointed January 1971.  
Date of Birth: 6th April 1943

### Education

B.Sc.(Hons) in Mathematics, University of Leeds.

### Previous appointments

1993-

Senior Lecturer in Computer Science, University of Kent of Canterbury.

1971-93: Lecturer in Computer Science, University of Kent of Canterbury.

1969-71: Research Fellow with Department of Education and Science based at the Documentation Processing Centre, Office of Scientific and Technical Information, Manchester. Collaborative work with RRE, Malvern on SID (Syntax-improving device) on an ICL1900. Application of techniques of syntax analysis to bibliographic data.

1964-69: Systems Programmer with Ferranti Ltd., Wythenshawe, writing systems software and compilers for Ferranti Argus including a Fortran compiler and an assembler.

### External Bodies

I am a member of the Executive of the British and Irish Legal Education Technology Association and is on the Management Committee of the CTI Law Technology Centre.

### Teaching

I have always been committed to teaching. I was a tutor to other University teachers on the *Teaching and Learning Course* for three years when it was a joint venture between the Universities of Surrey and Kent. I have taught Computing to Humanities students and, in Communication Skills, English to Information Technology students: activities which probably have as much need of pedagogy as subject expertise.

The problems of non-native speakers of English on the Communication Skills course stimulated an interest in teaching English as a second language and I have published papers on this: *Hypertext as a medium for teaching English in the context of another discipline*, and *Callguide: Using programmable hypertext as a shell for CALL programs*, with Ian Lindley and Simon Pullen. Incidentally, Ian and Simon were undergraduates who helped implement some of my ideas for this work as their final year project. That the paper was accepted for a competitive International Conference is confirmation of the standards that can be achieved in undergraduate projects at Kent.

I am a consultant of the Law Courseware Consortium run by the Computers in Teaching Initiative (CTI) for Law at the University of Warwick on developing teaching packages for law students. Another CTI, that for Textual Studies at the University of Oxford, published one of my papers in early 1993: *Using hypertext as an interface to the Oxford Advanced Learner's Dictionary*.

I gave seminars to research groups at the University of Toulouse in September 1991 and September 1992. The initial invitation was undoubtedly for research expertise but I have been invited to teach on one of their regular postgraduate courses in January 1993, so I think they must like not only what I say but how I say it. (They pay all my travel and other expenses.)

I was invited, and most of my expenses met, to two international conferences on Substantive Technology in the Law School in Salzburg in 1990, and Chicago in 1992. Activities like this allow me to adapt my research to a teaching environment.

I admitted the first blind Computing and Humanities student, and was joint holder of a grant from SERC to develop a Braille workstation to help blind students. I supervised Sylvie Lafont's M.Sc. thesis *A microprocessor as an interface between a Braille console and a mainframe computer* in 1980.

Many of the books I have reviewed for *University Computing* were reviewed for their usefulness to students. The last book I had for review was called *Intelligent Tutoring Systems*, on using computers to assist learning.

### **Courses and project supervision**

Courses I have taught in the last three years include:

- Language and Computing,
- Natural Language Processing for Expert Systems,
- Electronic Publishing and Hypertext,
- Communication Skills,
- Computing and the Humanities,
- Humanities Voluntary Computing Course.

I also make a substantial contribution to project work on MSc and undergraduate courses: for the last three years this has averaged 8 undergraduates (whose projects last over two terms) and 3/4 MSc projects during the Long Vacation.

Other courses I have taught include Compiling Techniques, Text Processing, Applied Computing, Applications in the Humanities, Information Retrieval and Data Processing, and computer language courses on Fortran, Algol, Snobol, Pascal, and Icon.

I introduced Computing to the programme of the School of Continuing Education.

### **Research supervisions and other special supervisions**

I am currently supervising two students working for M.Sc.'s by research. I expect this to increase to three early in the new year. I supervised several research students (including Anthea Elliott's Ph.D. thesis, *Intra-Statute Relationships and the Automatic Generation of Indexes for Citations and Definitions*, 1977, D. C. Brown's M.Sc. thesis, *A survey and analysis of question answering systems*, 1974 and Sylvie Lafont's M.Sc. thesis, *A Microprocessor as an interface between a Braille console and a mainframe computer*, 1980).

I supervised, and organised recordings and Braille transcripts for, two blind students.

### **Research**

In August 1993 at the Internation East-West Conference on Computer Human Interaction I was awarded the prize for the best paper on User-Adaptive Interfaces.

In June 1993 I was invited to give two seminars at the Library of Congress, Washington, D.C.

I won the 1992 Computers and Law Society Award for the most outstanding contribution to information technology in law in the United Kingdom and the Republic of Ireland. I was runner-up in 1991. This competition is open and my system *Justus*, won against strong competition from commercial software firms. The runner-up in 1992 were Smith Bernal, whose system, *LiveNote*, for making on-line transcripts of court proceedings is already in use. We are discussing a collaboration in automatic indexing of on-line transcripts of Court proceedings.

Other commercial contacts include:

Context:

We are collaborating on their law databases including *Celex*, the database of European Community Law, and planning new databases.

Butterworths: I am working on their *All England Law Reports*,

Kluwer: I am discussing a triangular project with Kluwer and Professor J. Dumortier of the University of Leuven on Belgian law in Dutch. (In 1991 Professor Dumortier invited me to give seminars on my work at the Universities of Leuven and Antwerp: the visits were funded by the British Council.)

Between May 1988 and September 1993 I gave papers or served on panels at 23 international conferences and 7 national conferences. The papers at London, Canterbury, Chicago, Salzburg, Warwick and Bologna were by invitation; all the others by international/national competition, e.g. in Amsterdam our panel presentation was the only British offering to succeed. All papers were refereed. Competition for International Conferences is keen. An International Conference that publishes Proceedings is not an easier option than a learned journal; it has the advantage of professional contacts and recognition that is much slower to come through more impersonal media. Almost all these conference papers have already been published, or are in process of publication. I have had reviewed papers published in the *Artificial Intelligence Review*, *Journal of Association for Literary and Linguistic Computing* and *Computing and the Humanities*, and invited articles in *Bileta Journal* and *Law and Computing*.

#### **Other current activities**

I am presenting a paper at the International Conference on Computers in Education, Taiwan, December 1993.

I have had papers accepted for *Bileta 94* and *Teaching and Language Corpora*, Lancaster in April 1994.

I have three other papers under-going review.

#### **Other Recent Activities**

##### **International Working Party**

I have served on the International Committee for the Text Encoding Initiative and went to the last meeting in Providence, Rhode Island in July 1991.

### **Other collaborative projects**

I have/have had collaborative projects with:

Sweet and Maxwell (legal publishers, on textbook and dictionary)

Oxford University Press (on Oxford Advanced Learners' Dictionary)

### **Refereeing and reviewing**

I have refereed papers for the ALLC/ACH Conferences since 1991.

I review books regularly for *University Computing*, and have been invited to review for *Behaviour and Information Technology*.

### **Other Grants and awards**

Grants from OSTI(DES) for research on syntactic analysis of formal English text and from SERC for developing a Braille workstation.

I won a place on the European Science Foundation Summer School in Computational Lexicology and Lexicography, Pisa, 1988.

### **Administration**

I have been Course Convenor and Chief Examiner on all Humanities Computing Courses since I initiated Humanities Computing at the University in the early 1970's. My commitment to Computing in the Humanities is such that for many years I kept the Humanities Voluntary Course alive by accepting over 100 students each year for whom I got no credit in student numbers. This did not only involve allowing the volunteers to come to lectures but organising and giving about six extra terminal sessions every week during Michaelmas and Lent Terms. I am also Admissions Officer for Computing-Humanities students and interview all joint candidates who apply to the University

### **Adviser to disabled students**

Evidence of my pastoral concern for students is vouchsafed by my serving as Adviser to Disabled Students for the last five and a half years. In addition to trying to help students already in course I interview every student with a significant handicap who applies to the University and write an assessment report which goes to the Medical Centre, the Admissions Officer, and Senior Tutors. The report outlines the disability from the student's perspective, and defines what actions need to be taken by the academic board and personal tutor to facilitate study, by the college to adapt residential accommodation and parking, by the central administration to optimise timetabling and examinations. Last year I was instrumental in persuading Cost Centres within the University to contribute towards buying a high quality optical character recogniser to improve conditions for visually handicapped and dyslexic students. This has been enormously successful.

### **Committees**

Humanities Faculty Board

Welfare Committee

Senate Committee for School of Continuing Education.

I was ULCC representative for nine years until 1980.

### **Publications**

### Contributions to Books

- 'Mapping Law into Hypertext' to be published in *Encyclopaedia of Computer Science and Technology*, edited by James G. Williams, Marcel Dekker, New York.
- 'Mapping Law into Hypertext' to be published in *Encyclopaedia of Library and Information Science*, edited by Allen Kent, Marcel Dekker, New York.
- 'Mapping legal documents into hypertext' in *Hypertext — State of the Art* edited by J. Wallmannsberger, Oldenbourg, Munich, [to be published in German in 1993.]
- 'Hypertext libraries: the automated production of hypertext documents', in *The New Medium*, edited by S. Hockey and N.M. Ide, OUP, to be published 1993.
- 'Corpora as Expert Knowledge Domains: the Oxford Advanced Learner's Dictionary', in *Database and Expert Systems Applications*, edited by V. Marik et al., Lecture Notes in Computer Science 720, Springer-Verlag, 1993, pp. 428-435.
- 'The Case for SGML: a Law Database, Hypertext and Information Retrieval', in *International Yearbook of Law Computers and Technology*, Volume 7, edited by K. Russell, 1993, pp. 59-75.
- 'Using hypertext as an interface to the Oxford Advanced Learner's Dictionary', in *Computers and Language: Towards 1992*, edited by C. Davis and M. Deegan, Office for Humanities Communication Publications, 1992, pp. 83-99.
- 'Callguide: using programmable hypertext as a shell for CALL programs', with I. Lindley and S. Pullen, in *Computer Assisted Learning*, edited by L. Tomek, Springer-Verlag, 1992, pp. 592-615.
- 'A Comparison of Interfaces: Computer, Designer and User', in *Database and Expert System Applications*, edited by A.M. Tjoa and I. Ramos, Springer-Verlag, 1992.
- 'Registers of Legal Opinion', in *Law and the Human Sciences*, edited by R. Kevelson, Peter Lang, 1992.
- 'A Computer Interface for Lawyers', in *Human Jobs and Computer Interfaces*, Edited by M.I. Nurminen and G.R.S. Weir, North Holland, Amsterdam, 1991, pp.53-69.
- 'Reference and Reference Inversion in Statutes and Cases: a Hypertext Solution', in *Prospects for intelligent retrieval*, edited by Kevin P. Jones, London, ASLIB, 1990, pp. 27-42.
- 'Links and structures in hypertext databases for law', in *Hypertext: Concepts, Systems and Applications*, Edited by N. Streitz et al., Cambridge University Press, 1990, pp. 194-213.
- 'Drafting legal documents with Justus' Clerk', in *Legal Expert Systems* edited by Antonio Martino. Logica Informatica Diritto, Firenze, 1989, pp. 909-922.
- 'Electronic Books: the automatic production of hypertext documents from existing printed sources', in *Information in Text*, Waterloo, 1989, pp.29-45.
- 'Integrated Information Retrieval for Law in a Hypertext Environment', in *Proceedings of 11th. International Conference on Research and Development in Information Retrieval*, ACM, 1988, pp.663-677.
- 'Justus: a workstation for Information Retrieval in Law', in *Informatica e Regolamentazioni Giuridiche*, Corte Suprema di Cassazione, 1988, X.21., 21p.
- The Syntactic Analysis of Formal English Text to Create a Structured Data Base*, British Library, 1976, 88p.
- Automatic Indexing Workshop*. British Library, 1974, 44p.
- 'The use of a Formally Defined Structure for the input of data from the British Museum Catalogue of Printed Books', in *The Computer in Literary and Linguistic Research*, ed. R. A. Wisbey, Cambridge University Press, 1971, pp. 209-220.

### Papers published in journals

- 'Automating Computer Based Learning Packages for Law: Design, Interface and Implementation', in *Law Technology Journal*, vol. 2, no. 2, June 1993, pp. 24-29.
- 'The Juggernaut v. The Dinosaurs', in *Computers and Law*, Vol. 3, Issue 7, March 1993, pp. 17-38.
- 'Link into Hypertext', in *VINE*, Issue No. 91, Library Information Technology Centre, June 1993, pp. 3-11.
- 'Guiding Lawyers: mapping law into Hypertext', in *Artificial Intelligence Review*, vol. 6 No. 2, 1992, pp. 35-63.
- 'ITAC and SCL Litigation Support', in *Computers and Law*, Volume 3 Issue 2, May 1992, pp. 33-35.
- 'A Hypertext Interface for Automated Document Drafting', in *Law Technology Journal*, Volume 1, No. 1, October 1991, pp.13-19.
- 'Cases for Justus: preparing a case database for a hypertext information retrieval system', in *Journal of the Association for Literary and Linguistic Computing*, Vol 5, No 2, 1990, pp. 119-128.
- 'Justus for Lawyers', in *Computers and Law 61*, September 1989, pp. 19-20. Invited contribution.
- 'A hypertext information system for lawyers', in *Bileta Journal*, Vol. 2, No. 1, September 1989, pp.13-19.
- 'Automatic Text Typing', in *Computers and the Humanities 23*, 1989, pp. 429-442.
- 'Response to *Discourse Analysis versus Text Analysis: the reading of ideology in foreign language texts* by Raymond Coulon', in *International Journal for the Semiotics of Law*, Vol I, No. 2, 1988, pp. 217-220.

### Conference Papers

- 'Using corpora as a resource in language teaching', Eurocall 93, Hull, 1993.
- 'The Electronic Law Library: Hypertext and Legal Information', British and Irish Association of Law Librarians, Canterbury, 1993.
- 'Corpora as Expert Knowledge Domains: the Oxford Advanced Learner's Dictionary'. *4th International Conference, DEXA '93*, Prague, 1993.
- 'An Intelligent Interface for Computer Assisted Language Learning', *East-West International Conference on Human-Computer Interaction*, Moscow, 1993, pp. 45-58.
- 'Language Learner and Computer: Modes of Interaction'. ACH/ALLC, Washington, 1993.
- 'Computer Trends in Litigation Support', *5 Informatica e Attivita Giuridica*, Rome, 1993.
- 'Automating Computer Based Learning Packages for Law: Design, Interface and Implementation', BILETA, Liverpool, 1993, pp. 24-29.
- 'The Implications of Hypertext for Law Libraries', *Computers in Libraries International Conference*, Meckler, London, 1993, pp. 49-55.
- 'A Comparison of Interfaces: Computer, Designer and User', *Third International Conference: DEXA92*, Valencia, Spain, 1992.
- 'Why we need standards: an example from law, hypertext and information retrieval' *Second International Conference on Substantive Technology in the Law School*, Chicago, July, 1992.
- 'Callguide: Using programmable hypertext as a shell for CALL programs', with I. Lindley and S. Pullen, *Fourth International Conference on Computers and Learning*, Acadia, June 1992.
- 'Hypertext as a medium for teaching English in the context of another discipline', *East-West Conference on Emerging Computer Technologies in Education*, Moscow, April

1992.

'Reducing the Babel of Lawyers', *7th. Bileta Conference*, Warwick, April, 1992, pp. 25-36.

'Using hypertext as an interface to the Oxford Advanced Learners' Dictionary', *Computers and Language 2*, Sheffield, September, 1991.

'A Computer Interface for Lawyers', *International Federation for Information Processing WG 9.1 Conference on Jobs and Computer Interfaces*, Tampere, Finland, 1991.

'Electronic Systems in Law: the Threat of Mediocrity', *Fifteenth World Congress of the International Association for the Philosophy of Law and Social Philosophy*, Gottingen, Germany, 1991.

'Finding the Right Register: Semiotics in the Analysis of Legal Discourse', *Fifteenth World Congress of the International Association for the Philosophy of Law and Social Philosophy*, Gottingen, Germany, 1991.

'Modes of Judicial Discourse', *Seventh Colloquium of the International Association for the Semiotics of Law*, Utrecht, Holland, 1991.

'Registers of Legal Opinion', *Fifth International Round Table on Law and Semiotics*, University of Pennsylvania, 1991.

'Legal practice systems', *An International Conference on Substantive Technology in the Law School of the 1990s*, Salzburg, 1990. Invited paper.

'Automated document drafting: an intelligent interface', *Proceedings of the Second National Conference on Law, Computers and Artificial Intelligence*, pp. 35-48, University of Exeter, 1990.

'Links and structures in hypertext databases for law', *The First European Conference on Hypertext*, Versailles, 1990.

'Ethics v Order: the dilemma of electronic systems for law', *Proceedings of the 12th International Congress on Cybernetics*, pp. 615-624, International Association for Cybernetics, 1990.

'Hypertext libraries: the automated production of hypertext documents', in 'The New Medium', *17th International Association for Literary and Linguistic Computing Conference and 10th International Conference on Computers and the Humanities*, Siegen, 1990, pp.221-224.

'A Guide to Justus: an overview of a hypertext legal database', *5th Bileta Conference (British and Irish Legal Education Technology Association)*, Warwick, 1990, pp.163-173. Invited paper.

'Drafting legal documents with Justus' Clerk', *III International Congress Expert Systems and Law*, Firenze, November 1989, pp.909-922.

Panel Session: 'Database Support for Hypertext', Chairman: N. Rossiter with H. Garcia-Molina, M. Heather, E. Wilson, *15th International Conference on Very Large Data Bases*, Amsterdam, August 1989.

'Cases for Justus: preparing a case database for a hypertext information retrieval system', 'The Dynamic Text', *16th International Association for Literary and Linguistic Computing Conference and 9th International Conference on Computers and the Humanities*, Toronto, June 1989, pp. 168-169.

'A system for experts v an expert system', *International Conference on Expert Systems in Law*, Bologna, May 1989.

'Electronic Books: the automatic production of hypertext documents from existing printed sources', *Proceedings of the Fourth Annual Conference of the UW Centre for the New Oxford English Dictionary*, Information in Text, Waterloo, 1988, pp.29-45.

'Integrated Information Retrieval for Law in a Hypertext Environment', *Proceedings of*

- the ACM SIGIR 11th. International Conference on Research and Development in Information Retrieval, Grenoble, 1988, pp.663-677.
- 'Justus: a workstation for Information Retrieval in Law', 4th. International Congress on Law and Computers, Rome, 1988, X.21., 21p.
- 'Converting legal texts into expert systems', National Conference on Law, Computers and Artificial Intelligence, Exeter, 1988.
- 'Automatic Text Typing', Eighth International Conference on Computers and the Humanities, Columbia, South Carolina, 1987.
- 'Problems in Automated Discourse Analysis', XIth. International Congress on Cybernetics, Namur, 1986, pp. 20-34.
- 'Complexities of Legal Language', Xth. International Congress on Cybernetics, Namur, 1983.

### Invited Seminars

- University College of Swansea, March 1989
- University of Liverpool, May 1991
- University College of Wales, Aberystwyth, March 1991
- University of Toulouse, September 1991, September 1992, January 1993
- London Branch of the Society for Computers and Law, November 1991.
- Library of Congress, Washington, DC, June 1993.

### Reviews

- In *University Computing*, 1993:  
*SGML and Related Standards*, by J. M. Smith.
- In *University Computing*, 1992:  
*Computer-supported Cooperative Work and Groupware*, edited by S. Greenberg.  
*From Memex to Hypertext*, edited by J. M. Nyce et al.  
*Morphology and Computation*, by R. Sproat.
- In *University Computing*, 1991:  
*Adaptive User Interfaces*, edited by D. Browne et al.  
*The Legal Environment of Computing*, by P. Knight and J. Fitzsimmons.  
*Hypertext: State of the Art*, edited by R. McAleese and C. Green.  
*Hypertext and Hypermedia*, by J. Nielsen.  
*Using C with curses, lex and yacc*, by A. T. Schreiner.  
*Hypertext and Hypermedia Theory and Applications*, by N. Woodhead.
- In *University Computing*, 1990:  
*Memory and Context for Language Interpretation*, by H. Alshawi.  
*Data Structures, Files and Databases*, by C. Bamford et al.  
*The Society of Text*, edited by E. Barrett.  
*Developing Data Structured Databases*, by M. H. Brackett.  
*LR Parsing: Theory and Practice*, by N. P. Chapman.  
*An Introduction to Data Types*, by J. C. Cleaveland.  
*Machine Learning: Principles and Techniques*, edited by R. Forsyth.  
*Information Engineering: Book 1, Introduction*, by J. Martin.  
*Understanding Cognitive Science*, edited by M. McTear.  
*Clausal Form Logic*, by T. Richards.  
*High-level Languages and their Compilers*, by D. Watson.  
*Artificial Intelligence and Tutoring Systems: Computational and Cognitive Approaches to the Communication of Knowledge*, by E. Wenger.  
*Data Structures and C Programs*, by C. J. van Wyk.



- Artificial Intelligence Techniques in Language Learning*, by R. W. Last.  
*Expert Systems: Human Issues*, edited by D. Berry and A. Hart.  
*Computers and Thought: A Practical Introduction to Artificial Intelligence*, by M. Sharples, D. Hogg, C. Hutchison, S. Torrance and D. Young.
- In *University Computing*, 1989:  
*Formally-Based Tools and Techniques for Human-Computer Dialogues*, by H. Alexander  
*Computer Translation of Natural Language*, by W. Goshawke et al.  
*Files and Databases: An Introduction*, by P. D. Smith et al.  
*Speech and Language-Based Interaction with Machines: Towards the Conversational Computer*, by J. A. Waterworth et al.
- In *University Computing*, 1987-88:  
*Structured Analysis and Design of Information Systems*, by A. Z. Aktas  
*Computational Linguistics: An Introduction*, by R. Grishman  
*Language and Spatial Cognition: an interdisciplinary study of the prepositions in English*, by A. Herskovits  
*Expert System Technology: development and application*, by R. Keller  
*Information Technology in the Humanities: tools, techniques and applications*, edited by S. Rahtz  
*Oxford Surveys in Information Technology, Vol 3, 1986*, edited by P. I. Zorkoczy.