

CURRICULUM VITAE OF DR MICHAEL JEWESS (last updated 5 July 2018)

Key information

Born Staffordshire, England 1948. Married, one grown-up child. British citizen.
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Present position: Independent researcher in intellectual property law, science, and technology, The Long Barn, Townsend, Harwell, Oxon OX11 0DX.

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University education

New College, Oxford, 1966-1970 with an Open Natural Science Scholarship and 1970-1973 with an Honorary Senior Scholarship.

Degrees obtained: Bachelor of Arts with First Class Honours in Chemistry; Master of Arts; Doctor of Philosophy (Faculty of Physical Sciences), thesis entitled "Thermodynamic studies of disorder in inorganic crystalline solids".

See Annex 5 for scientific publications based on Oxford research.

Professional qualifications, etc.

Chartered Scientist.

Chartered Chemist, Fellow of the Royal Society of Chemistry.

Member of the Institute of Physics.

Chartered Patent Attorney.

European Patent Attorney.

European Trade Mark Attorney.

Member, Licensing Executives' Society.

Member, International Chamber of Commerce (ICC) Intellectual Property Commission since 1984, Vice-Chairman 2008-2013. Chairman of the Task Force on IP and privilege 2008-2011. Chairman of the Task Force on Patent Office cooperation 2010-2012. Co-chairman of Task Force on Patent Quality and Work Sharing since 2017.

Chairman, International Chamber of Commerce UK (ICC UK) Intellectual Property Committee 2005 - 2011.

Member, IP Federation (formerly TPDF) Council 1991-2016. Chairman of the Federation's Licensing and Competition Laws Committee 1996-2003, Federation President 2003-2005, Federation Vice-President 2005-2016. Member of Governance Committee 2013-2015.

Policy Adviser, IP Federation since 2016.

Member, Editorial Board, *Intellectual Property in Business* (until 1991).

Invited participant, Ilkley R & D Conference 1988-2004.

Member CIPA Congress organising committee since 2010.

Member CIPA non-core skills training committee 2011-2012.

Languages

French and German good, smatterings of several other languages. Used French and/or German intensively at work in three of the appointments held. In the late 1990s undertook a project on translations of patent claims into Japanese.

Appointments held 1974-2009

During the period 1974 to 1988, I worked first in patent private practice¹ and later in intellectual property departments in the chemical² and telecomms³ industries (as well as for a short period in technology strategy). The patent and trade mark work covered a range of technologies and market types. Agreement work became a major occupation from 1983, beginning my interest in competition law. From 1982 onwards I was in managerial positions, responsible for groups within the Department of up to 9 people including myself.

From 1988 to 2009, I headed in-house intellectual property departments in the packaging,⁴ telecommunications,⁵ and defence industries⁶ in turn. I managed total staffs of up to 50 people. As well as having overall responsibility as head of department, I dealt personally with patent, trade mark, and licensing policy and strategy, intellectual property aspects of £ bns merger and acquisition transactions, intra-group intellectual property licensing, and numerous special issues (eg systematic problems with Japanese patenting, employee rights, IP aspects of government privatisation proposals, OFT regulation of the company on IP matters, and smaller matters where I was the right person to do the job).

From 1986 onwards, I became personally active in lobbying HMG, the EPO, WIPO, and the European Commission, either on behalf of my employer directly, or in his interest *via* trade associations (Annex 1). I was also in demand as a contributor to publications on IP (Annex 2), and as a speaker on IP (Annex 3).

Current activities

Since my retirement from BAE Systems plc in June 2009, I have continued policy work for trade associations, publishing, and lecturing as indicated in Annexes 1 to 4.

In 2010–2011, I undertook research on the administration of private practices and company IP departments, conducting structured interviews of 10 patent attorney private practices, 5 solicitor private practices, and 10 in-house company IP departments. A preliminary report of this research was presented at the CIPA Annual Congress on 30 September 2010, under the title “Business strategy and administration – the devil is in the detail”.

¹ Abel & Imray, Chartered Patent Agents (now Attorneys)

² Laporte Industries Ltd

³ British Telecommunications, then British Telecommunications plc

⁴ Metal Box plc, renamed as MB Group plc, then CMB Packaging SA (Group Manager, Intellectual Property)

⁵ British Telecommunications plc (Head of Intellectual Property)

⁶ British Aerospace plc, renamed as BAE Systems plc (Director, then Chief Counsel, Intellectual Property)

My large book, *Inside intellectual property – best practice in intellectual property law, management, and strategy*, was published by CIPA in autumn 2013. The book seeks to show how overall policy and strategy in intellectual property translates into day-to-day legal practice, and encourages practitioners to take assertive, broad, and businesslike view of the needs of the client but without compromise of professional ethics and principles. It will in addition be a valuable resource for academics and policy-makers. For fuller details, including quotes from reviews (eg “a ‘must have’ for all IP practitioners of whatever nationality and wherever they practice worldwide”) and ordering information go to –

<http://www.researchinip.com/iip.htm>.

While in practice from 1974 to 2009, I had been especially careful to maintain my scientific expertise, including by publishing articles based on or extending my Oxford research. Some (non-experimental) projects in science and technology or their history are still being undertaken and published, and I am active in learned societies. See Annex 5.

Annex 1: Summary of lobbying activities, 1986 to the present

(i) improving the patent system

Lobbying for Sections 22 and 23 of the Patents Act relating to National Security to apply in such a way as to cease to impose pointless restrictions on non-defence companies and not to be an unnecessary burden on defence companies. A satisfactory amendment of these sections was made in the Patents Act 2004 following a meeting with MoD in which the industrial delegation was led by me and in the course of which MoD withdrew its previous proposals.

Lobbying for improved patent search quality internationally, in the interests both of patentees and potential infringers of patents. I raised this in an evidence-based presentation at a major international conference in 2007 (3.21 below), and *via* position papers 4.05, 4.13, 4.18, and 4.20 below. More specifically, I proposed that in the PCT international phase Part I it should be possible to obtain searches from all the IP5 offices (European, US, Japanese, Chinese, and Korean) with benefits for applicants, third parties, and offices. Two successful small-scale pilots have been completed, and a larger-scale pilot commenced on 1 July 2018. If this is also successful, and full implementation follows, this will be the single biggest procedural improvement in the PCT since it began in 1978 (see my report under 2.29).

Lobbying for ratification of to the London Translation Agreement. Publicly and directly to the UK Patent Office and to M Pompidou, the Head of the EPO, I emphasised the importance of achieving enough ratifications for the Agreement to come into force. M Pompidou at least responded warmly. The Agreement came into force in 2008, and many applicants for patents in Europe are now saving around £ 6000 per invention. Further ratifications would save more money.

Lobbying for harmonisation of claim formats to facilitate cooperation between Patent Offices and to help both patentees and potential infringers. This was first raised publicly in a talk in December 2007 (3.22 below), and is the subject of an IP Federation paper of February 2013 (4.22 below).

(ii) tax and IP

Lobbying against stamp duty on IP assignments and withholding tax between a UK licensor and a UK licensee. The problems for companies resulting from these were explained in a response by me to the joint Treasury-DTI consultation of 1998, and both were abolished. (See also the interview 2.12 below on the “patent box” and on R&D tax credits.)

(iii) excessive IP rights

Lobbying against UK and EU second-tier patent rights, which if introduced as proposed would have wasted time and money and generally been anti-competitive. In the late 1990s the UK Patent Office seemed to be encouraging the minister (then Kim Howells) in that direction. I was a member of a delegation who met him and apparently persuaded him of the dangers of such rights. I drafted responses to the Gowers consultation of 2006 and the Hargreaves Review of 2011 (4.08 below) which also opposed second-tier rights. It is hoped that the threat of UK and EU second-tier patent rights has disappeared for the foreseeable future.

Lobbying against criminal penalties (or punitive civil ones) for patent infringement, most recently in the ICC UK submission to Hargreaves Review and the IP Federation submission on the Enforcement Directive (4.08 and 4.11 below).

Lobbying against coverage of functional items by unregistered design right in my keynote speech to CIPA Congress 2003 and *via* the IP Federation positions paper (2.04, 3.15, 4.03, and 4.19 below).

Lobbying against penalties for innocent infringement of registered and unregistered designs *via* the IP Federation position paper 4.09 below.

Lobbying against criminal penalties for registered and unregistered designs including *via* the IP Federation paper 4.19 below).

(iv) excessive competition law

Lobbying against simplistic Commission views on competition law, *eg* in *Arco v Repsol* and *IMS Health*, where in initial Press Releases the Commission responded to very special facts with sweeping generalisations adverse to the normal business of companies. I wrote to the Commission on both these cases. The Commission did not persist with such generalisations in either case.

Lobbying for repeal of the antiquated and troublesome competition law Sections 44 and 45 of the Patents Act 1977. These were repealed with effect from 1 March 2000 following a brief prepared by me.

Lobbying for a realistic approaches in IP-related block exemptions, from the knowhow licensing block exemption of 1989, when I met personally the Commission official in charge of it, through to the 2010 consultation on the R&D cooperation block exemption (see position paper 4.04 below, and the report of success on the two key points made in the respective publication 2.13 below) and the 2001 on the technology transfer block exemption (position paper 4.15 below).

(v) trade marks

Lobbying for implementation in the UK Trade Marks Act 1994 of (optional) Article 4.4(c) of the European trade mark law harmonisation directive. This was to protect the interests of packaging manufacturers who designed and sold empty packaging in the new circumstances that packaging could be a registrable mark. Section 5(4)(b) of the Act did implement the Article.

Lobbying for improved powers of trade mark owners to block the registration of company names similar to their marks, especially by fraudsters seeking to deceive the public. In lobbying the DTI (as it then was) I and a colleague did not achieve as much as we would have wished in the Companies Act 2006, but we did make the suggestion, which DTI adopted, that some one from the Trade Marks Registry as the adjudicator of disputes of this sort. In the event the operation of the system has been quite favourable to trade mark owners dealing with fraudsters.

Lobbying for any UK exception for parody, caricature, and and pastiche not to allow free-loading on the copyright works associated with existing brands (position paper 4.17 below).

(vi) privilege and regulation

Lobbying for appropriate provisions for privilege in (a) a WIPO Treaty and (b) the proposed UPC. Without appropriate provisions the usefulness of the UPC, and indeed of the EPO, are likely to be reduced. (See Annex 4.)

Lobbying for an appropriate definition of corporate practice in the Rules of Conduct for UK Patent Attorneys. The code came into force in 2010 including wording drafted by me (4.02 below) without which UK companies with in-house IP departments would now be in a difficult situation. Further revision is in prospect (4.23 below), but it is

expected that there will be no material change other than clarifying the freedom of in-house practitioners to carry out *pro bono* work.

ANNEX 2: Publications on intellectual property, 1988 to the present

- 2.01. LES *Exchange*, Spring 1988, "Licensing aspects of publicly-funded R&D in information technology and telecommunications".
- 2.02. *Intellectual Property in Business*, 1990, **2(2)**, 13-14 and **2(3)**, 15-16, "IPB guide on negotiating commercial licensing agreements".
- 2.03. Wragge & Co *Intellectual Property Update*, **9**, "Unsolicited technical suggestions - a costly headache", March 2000.
- 2.04. TPDF *INPACT*, volume **14**, issue **10/11**, "More intellectual property protection – good or bad?", edited script of keynote speech to CIPA Congress, November 2003 .
- 2.05. Contributor on competition law, IP valuation, "trolls", standards, and generally to *Current and emerging intellectual property issues for business – a roadmap for policy makers*, International Chamber of Commerce, Paris, annually 2000-2008, then 2010, 2012, and 2014. Contributor on "Managing IP assets to create value" 2014 and 2017.
- 2.06. Contributor to TPDF *Annual Trends and Events*, years to May 2001 - May 2003: licensing and competition law.
- 2.07. Contributor to TPDF *Annual Trends and Events*, year to May 2004: Introduction, US Fair Trade Commission report on competition and patent policy, the Clementi Review, DTI Innovation Review, and National Security provisions of the UK Patents Act.
- 2.08. Contributor to TPDF *Annual Trends and Events*, year to May 2005: Introduction, US Fair Trade Commission report on competition and patent policy and US Patents Act amendment, the Clementi Review, National Security provisions of the UK Patents Act, and international search quality.
- 2.09. Contributor to TPDF *Annual Trends and Events*, years to May 2006 and May 2007: competition law.
- 2.10. *Managing Intellectual Property*, **181**, July/August 2008, 59 "Why privilege rules need to be reformed – the view from in-house".
- 2.11. Contributor to IP Federation *Trends and Events*, December 2010, principal author of *The Federation's campaigns*; sole author of *Draft European Commission BER on R&D agreements*; *Future of design law in UK*; *New system for regulation of UK lawyers including patent and trade mark attorneys*; and *Privilege*.
- 2.12. Interviewed for "Government plans patent box", by Chris Adroamse, *Chemistry and Industry*, 20 December 2010, page 5.
- 2.13. Contributor to IP Federation *Trends and Events*, December 2011, author of *European Commission BER on R&D agreements*, *Unintentional infringement of UK and Community rights relating to designs*, and *Commission consultation on the Enforcement Directive*.
- 2.13. Contributor to IP Federation *Trends and Events*, December 2012, author of *Reform of the UK designs legal framework*, *Proposal for collaborative search and examination (CSE) in the PCT*, and *Update on plain (more accurately "standardised") packaging*.
- 2.14. *CIPA Journal*, August 2013, **42(8)**, 437-438, "Privilege: colloquium on 'Protection of confidentiality in IP advice – national and international remedies', Paris 27-28 June 2013".
- 2.15. **Book** *Inside Intellectual Property – best practice in intellectual property law, management, and strategy* (Chartered Institute of Patent Attorneys, London, autumn 2013), for details go to –

<http://www.researchinip.com/iip.htm>.

- 2.16. Contributor to IP Federation *Trends and Events*, December 2013, author of *Privilege and Claim format harmonisation*.

- 2.17. *IPCop*y blog, “Professional ethics – a bit like Isaac Asimov’s Laws of Robotics”, 6 February 2014, <http://ipcopy.wordpress.com/2014/02/06/professional-ethics-a-bit-like-isaac-asimovs-laws-of-robotics/>.
- 2.18. *IPCop*y blog, “Intellectual property in the *Dilbert* cartoons, and other things”, 19 February 2014, <http://ipcopy.wordpress.com/2014/02/19/branding-is-monolithic-best/>.
- 2.19. *IPCop*y blog, “Branding – is monolithic best?”, 10 April 2014, <http://ipcopy.wordpress.com/2014/04/10/intellectual-property-in-the-dilbert-cartoons-and-other-things/>.
- 2.20. *IPCop*y blog, “Why not file your priority application as an EPC?”, 17 April 2014, <http://ipcopy.wordpress.com/2014/04/17/why-not-file-your-priority-application-as-an-epc/>.
- 2.21. *IPCop*y blog, “Before you sue – or even threaten to ...”, 29 April 2014, <http://ipcopy.wordpress.com/2014/04/29/before-you-sue-for-patent-infringement-or-even-threaten-to/>.
- 2.22. *ITMA Review*, October/November 2014, **413**, 6-9, cover story, “Voyage of discovery – Dr Michael Jewess leads us through the world of attorney-client privilege”.
- 2.23. *IPCop*y blog, “Is it worth suing? – a gambler’s perspective”, 6 January 2015, <http://ipcopy.wordpress.com/2015/01/06/is-it-worth-suing-a-gamblers-perspective/>.
- 2.24. *ITMA Review*, September 2015, **420**, 12-15, cover story “The ethics imperative – Dr Michael Jewess discusses the common principles of practice to which the profession must pay heed”.
- 2.25. Interviewed for cover story “The seven disruptors that are changing IP practice”, *Managing Intellectual Property*, September 2015, **252**, 30-36.
- 2.26. Contributor to IP Federation *Trends and Events*, December 2015, author of *Consultation by the Legal Services Board on regulation of in-house lawyers*.
- 2.27. Royal Society of Chemistry *Historical Group newsletter and summary of papers*, Winter 2017, **71**, pages 22-27, 12-14 (online), “Ramsay’s and some other sealed packets”, discussing historical sealed packets and the current status of sealed packets including INPI’s envelope Soleau under Article L613-7 of the French Intellectual Property Code.
- 2.28. *CITMA Review*, October/November 2017, **437**, 10-12, “The lite touch – Giving a client presentation on IP? Dr Michael Jewess suggests how to make the meeting as profitable as possible for both parties”.
- 2.29. Contributor to IP Federation *Trends and Events*, July 2018 (in press), author of *Third and final pilot for “PCT-IP5” search/“CS&E – the ultimate objective, now in sight”*.

ANNEX 3: Talks on intellectual property, 1986 to the present

- 3.01. Licensing Executives' Society (LES) meeting on the EEC block exemption on R&D agreements, London, 1986 (joint presentation with Valentine Korah of UCL Department of Laws).
- 3.02. Workshop on block exemptions, LES International Conference, Dublin, Ireland, 1986.
- 3.03. LES meeting on the (then) proposed block exemption on knowhow licensing, London, 1987.
- 3.04. CommEd conference on "New directions in standards and approvals" - talk on publicly-funded collaborative R&D in IT and telecomms, London, 1987.
- 3.05. IETT conferences on "Legal aspects of European cross-frontier collaboration" - talk on R&D collaboration agreements, London, 1988 and 1989.
- 3.06. CBI/Boodle Hatfield Conference "Intellectual property means business in the 1990s" - talk "Thinking commercially about licensing", London, 1988.
- 3.07. European-Japanese Exchange Foundation, talks to Japanese Patent Office Examiners, "Managing an industrial intellectual property department", High Wycombe, several times between 1992 and 2005, "Intellectual property worldwide – law and management" in 2009 and 2014 .
- 3.08. Co-Chairman, Euroforum Conferences "Patents - the complete course", London, 1993-1995.
- 3.09. Chairman, Law Society Commerce & Industry group conference on developments in IP law, London, 1996.
- 3.10. Commercial Seminars IP Conference - talk "Technology licensing" London, 1998.
- 3.11. European Industrial Research Managers' Association (EIRMA) - talk on IP in course for young R&D managers, 2001.
- 3.12. Chartered Institute of Patent Agents Congress – talk "Patent portfolio management in large companies", London, November 2002.
- 3.13. Management Forum conference "The corporate intellectual property department" – talk "Problems and solutions in international patenting", London, February 2003.
- 3.14. Chartered Institute of Patent Agents seminar on Valuation of Intellectual Property – talk on "Valuation of patents in the context of filing and maintenance decisions", London, October 2003.
- 3.15. Chartered Institute of Patent Agents Congress – keynote speech "More intellectual property protection – good or bad?", London, November 2003.
- 3.16. Chairman Euroforum International Licensing Conference, London, May 2004 and June 2005.
- 3.17. Chalmers University of Technology, Center for Intellectual Property Studies - talk "The IP business model in traditional industries", Göteborg, Sweden, November 2004.
- 3.18. Chartered Institute of Patent Agents seminar on Valuation and Insurance – talk on "Valuation of patents in the context of filing and maintenance decisions", London, March 2005.
- 3.19. Chairman, Chartered Institute of Patent Agents seminar "What does industry want [of private practice patent attorneys]?", London September 2005.
- 3.20. Chartered Institute of Patent Agents seminar "Patent drafting and prosecution in the 21st century" - talk "Translation problems and how to avoid them", London, October 2005 and Leeds, November 2006.
- 3.21. "Colloquium on Patent Quality" organised by the American Intellectual Property Lawyers' Association (AIPLA) and the Fédération des Conseils en Propriété Industrielle (FICPI) - talk "Timely, comprehensive search - what applicants need but do not have", Amsterdam, June 2007.

- 3.22. "Global IP summit", organised by IQPC - talk "Global patent quality and cost", Brussels, December 2007.
- 3.23. "Conference on client privilege in intellectual property advice", Geneva May 2008, organised by the World Intellectual Property Organisation (WIPO) and the international association of IP professionals (AIPPI) - talk "Privilege - the perspective of companies, including those with in-house IP Counsel" and panel session.
- 3.24. "IP Risk and Security Forum 2008", organised by AKJ Associates, London June 2008 - talk "Dealing with honest men - using confidentiality agreements to protect valuable technical information".
- 3.25. Chartered Institute of Patent Attorneys Annual Congress – talk "Privilege - an international overview and the proposed WIPO Treaty", London, October 2008, and panel session. Talk repeated with modifications November 2008, Copenhagen, Denmark to Dansk Forening for Industriens Patent- og Varemærkespecialister (the Danish body for in-house patent and trade mark advisers), and in February 2009 to the Chartered Institute of Patent Attorneys West of England (Bristol).
- 3.26. Queen Mary, University of London, lecture to MSc in Intellectual Property Law Students, November 2008: "Worldwide patent portfolios - law and management".
- 3.27. "Brussels IP 2008", the Pan-European IP Summit, organised by Premier Cercle, December 2008, Brussels - talk "Problems relating to confidentiality (non-disclosure) agreements covering technical information".
- 3.28. Queen Mary, University of London, lecture to MSc in Intellectual Property Law Students, February 2009: "Licensing of technology".
- 3.29. Institute of Trade Mark Attorneys, Conference, "Privilege", London, March 2009 (a general overview different from my previous talks on privilege).
- 3.30. Chartered Institute of Patent Attorneys, CPD Seminar, London, February 2010, "Best practice in training", talk from an in-house perspective.
- 3.31. Chartered Institute of Patent Attorneys, CPD Seminar, London, April 2010, "Privilege", talk "International overview and the proposed WIPO Treaty" (major update compared with talks of October 2008 to February 2009).
- 3.32. Chartered Institute of Patent Attorneys, Annual Congress, London, September 2010, "Business strategy and the administration of IP services – the devil is in the detail". This was based on interviews conducted personally between March 2010 and August 2010, covering 10 private practices of UK patent attorneys and 10 company IP departments in the UK.
- 3.33. Chartered Institute of Patent Attorneys, CPD Webinar, September 2011 "Professional ethics".
- 3.34. Chartered Institute of Patent Attorneys, Annual Congress, London, October 2011, contributed to a session "The corporation moved – IP experience in corporate repositioning, mergers, acquisitions, and disposals" with a presentation "Introduction to M&A; corporate rebranding".
- 3.35. International Association of young lawyers (AIJA), London, October 2011, Seminar "Recent developments in IP and data protection", talk "Patents from the perspective of industry".
- 3.36. Chartered Institute of Patent Attorneys, CPD Webinar, October 2011 "Privilege".
- 3.37. Ethics webinar of 3.33 repeated as a talk to the Midland Meeting of the Chartered Institute of Patent Attorneys, Loughborough, November 2011.
- 3.38. Chartered Institute of Patent Attorneys, CPD Webinar, February 2012 "Research and development to innovation".
- 3.39. Ethics webinar of 3.33 repeated as a CIPA CPD Webinar with considerable updating, June 2012.
- 3.40. Chartered Institute of Patent Attorneys Congress – chaired session "Competition law and IP – worlds apart?", London, October 2012.

- 3.41. Conference on patent use (IPO and Brunel University, London), chair of review of afternoon session, London, November 2012.
- 3.42. Oxford Intellectual Property Research Centre Seminar, February 2013, "Getting IP law changed – playing politics".
- 3.43. Keltie in-house counsel workshop, March 2013, "IP in M&A transactions".
- 3.44. Ethics webinar of 3.33/3.39 repeated as a CIPA/ITMA CPD Webinar with considerable further updating, June 2013, July 2014, July 2015, July 2016, and July 2017.
- 3.45. Privilege webinar of 3.36 repeated as a CIPA/ITMA CPD Webinar with considerable updating, June 2013, July 2014, July 2015, and July 2016.
- 3.46. Chartered Institute of Patent Attorneys Congress – chaired session "Taking a broad view of designs", London, October 2013.
- 3.47. Chartered Institute of Patent Attorneys Congress – session "Pulling it all together – creating a virtuous circle", presentation on territorial coverage of patent filings, London, October 2014.
- 3.48. Oxford University Intellectual Property Rights Centre, Seminar, February 2015: "What's in a name? – branding in law and practice."
- 3.49. Chartered Institute of Patent Attorneys Congress – keynote speech "How to win friends and influence people – getting IP law changed", London, October 2015.
- 3.50. Keltie and K2 Professional Development seminar, "Educating the client", London, February 2016.
- 3.51. Seminar of 3.50 repeated as a CIPA CPD Webinar, March 2016 and July 2017.
- 3.52. Chartered Institute of Patent Attorneys, Annual Congress, London, September 2016, contributed to a session "Confidential technical information" with a presentation on confidentiality (non-disclosure) agreements.
- 3.53. Maurer Jenkins training day, "Educating the client", London, June 2017, modified from 3.50.
- 3.54. UCL MAPS (Mathematical and Physical Sciences) Enterprise Workshop, UCL, London, October 2017, "How patents work".

ANNEX 4: Recent position papers of trade associations (* = MJ the principal author; + = MJ a major contributor) – mostly available on the trade association websites

- 4.01. ICC position paper “Client privilege in intellectual property advice”, ICC document 450/1040 of 9 October 2008, and follow-up paper 450/1049 of 27 August 2009.*
- 4.02. IP Federation position paper PP13/09 “Definition of ‘corporate work’ and ‘in private practice’ in the draft Rules of Conduct [for UK patent and trade mark attorneys]”, July 2009.*
- 4.03. IP Federation position paper “Federation response to UK-IPO informal paper re designs”, PP1/10 of March 2010.*
- 4.04. IP Federation position paper “Comments on the draft Commission Regulation on R&D agreements and the guidelines on horizontal cooperation agreements”, PP7_10 of June 2010.*
- 4.05. ICC position paper “Cooperation between patent offices: prior art searching of patent applications”, ICC document 450/1056 of 28 June 2010.+
- 4.06. IP Federation position paper “Privilege in the EEUPC”, PP06/10 of July 2010.*
- 4.07. ICC letter to the Commission on privilege in the EEUPC of 16 November 2010.*
- 4.08. ICC UK submission to the Hargreaves Review of intellectual property, March 2011.+
- 4.09. IP Federation paper PP06/11, “Unintentional infringement of UK and Community Designs”, March 2011.*
- 4.10. ICC response to European Commission consultation on the Enforcement Directive of 31 March 2011, specifically on privilege.*
- 4.11. IP Federation paper PP09/11, “Commission report on implementation of Enforcement Directive”, April 2011, principally on remedies.+
- 4.12. IP Federation paper PP17/11, November 2011, response to call for evidence in relation to the design sector (personal contribution was to discussion of functional designs).+
- 4.13. IP Federation paper PP01/12, January 2012, response to EPO and WIPO on the pilot project on collaborative search and examination in the PCT.*
- 4.14. IP Federation paper PP04/12, January 2012, response to WIPO on the Supplementary International Search System.*
- 4.15. IP Federation paper PP05/12, January 2012, submissions to European Commission on the technology transfer block exemption, principally on “pass-through licences”.+
- 4.16. IP Federation paper PP10/12, February 2012, on privilege in the proposed UPC (former EEUPC), following up PP06/10.*
- 4.17. IP Federation paper PP08/12, March 2012, submission to HMG on copyright following the Hargreaves Review, principally on parody, caricature, and pastiche in relation to brands.+
- 4.18. ICC response to the European Patent Office request concerning industry support for an early coordinated patent search: pilot projects on collaborative search and examination, ICC document 450/1072 of 6 April 2012.*
- 4.19. IP Federation paper PP20/12, October 2012, response to HMG consultation on the UK designs framework.*
- 4.20. IP Federation paper PP22/12, November 2012, response to a further request from the EPO relating to the pilot project on collaborative search and examination in the PCT.*
- 4.21. IP Federation paper PP01/13, January 2013, on privilege in the proposed UPC, following up PP06/10 and PP10/12.*
- 4.22. IP Federation paper PP02/13, February 2013, “Facilitating cooperation between Patent Offices and helping users: proposal for harmonisation of claim formats”.*

4.23. IP Federation paper PP06/15, April 2015, “Discussion Paper of the Legal Services Board – ‘Are Regulatory Restrictions in Practising Rules for In-house Lawyers Justified?’”.*

4.24. IP Federation paper PP02/16, February 2016, response “Questionnaire regarding cross-border aspects of client/patent attorney privilege” from the B+ group.*

4.25. IP Federation paper PP07/17, September 2017, “Consultation on the LSB’s approach to reviewing the performance of the legal services regulators”.*

Annex 5: Scientific publications, 1973 to the present, and learned society activity

- 5.01. P G Dickens,* M Jewess, D J Neild, and J C W Rose, "Thermochemistry of oxide bronzes – sodium vanadium bronzes $\text{Na}_x\text{V}_2\text{O}_5$ with x between 0.2 and 0.33", *J.Chem.Soc.Dalton*, 1973, 30-33.
- 5.02. M Jewess,* S Lee-Bechtold, and L A K Staveley, "Heat capacity of bisadiponitrilecopper(I) nitrate – an order-disorder transition in a dilute system of nitrate ions", *J.Chem.Soc.Faraday II*, 1980, **76**, 803-811.
- 5.03. R M Clay, M Jewess,* and L A K Staveley, "Heat capacities of β -modification phthalocyanines from 4 to 45 K – anomalous behaviour in copper(II) and nickel(II) phthalocyanines", *J.Chem.Soc.Faraday II*, 1981, **77**, 1757-1766.
- 5.05. M Jewess, "A theoretical treatment of 'orientational' disorder for routine use", *Acta Cryst.*, 1982, **B38**, 1418-1422.
- 5.06. A G Dunn, M Jewess,* L A K Staveley, and R D Worswick, "Heat capacity of tetramethylammonium trichloromanganate (II) from 1.5 to 300 K", *J.Chem.Thermodynamics*, 1983, **15**, 351-356.
- 5.07. Michael Jewess, *The restoration of the St Mary's tower sundial 1993-1997* (Long Wittenham Local History Group, 1997).
- 5.08. Letters on chemistry in World War I, Sir Humphry Davy, Gustav Robert Kirchhoff, gravity, hydrogen peroxide, scientific units, 2000 to 2013 (*Chemistry World, Physics World, Financial Times, and New Scientist*).
- 5.09. Michael Jewess, "Optimising the acceleration due to gravity on a planet's surface", *Mathematical Gazette*, 2010, **94**, 203-215.
- 5.10. Michael Jewess, "What happened in Thomsen's kiln – a detective story", Royal Society of Chemistry, Historical Group, *Newsletter and Summary of Papers*, August 2010, 14-18.
- 5.11. Michael Jewess, "Semi-empirical estimation of the thermodynamics of graphane; assessment of the graphite-graphane system for hydrogen storage and release; some potential formation reactions for graphane", September 2009, revised May 2011, at <http://www.researchinip.com/symmetry/graphanesynthesis.htm>.
- 5.12. Michael Jewess, "On frieze groups, cylinders, and quotient groups" – refereed comment, *Mathematical Gazette*, 2013, **97**, 339-340.
- 5.13. Michael Jewess, "Faraday's 'blue' plaque – commemorating a remarkable master as well as a remarkable servant", Royal Society of Chemistry, Historical Group, *Newsletter and Summary of Papers*, Summer 2013, **64**, 35-41; reprinted Institute of Physics, History of Physics Group, *Newsletter*, December 2014, **32**, 9-15.
- 5.14. Michael Jewess, "On two girls – the value of information" – refereed comment, *Mathematical Gazette*, 2015, **99**, 159-161.
- 5.15. Interview on Humphry Davy, Radio Cornwall, 17 September 2015.
- 5.16. "Humphry Davy – Royal Society of Chemistry Chemical Landmark plaque for 1 Market Place, Penzance: presentation ceremony", 17 September 2015: coorganiser with Mr Jon Symons, JP, introduction to Davy's main achievements and to commemorative plaques for scientists.
- 5.17. Michael Jewess, "Humphry Davy's Apprenticeship in Penzance Celebrated", *Chemical intelligence*, 2016, **15**, 30-31.
- 5.18. Interview, "The life, death and enduring influence of Henry Moseley", Radio Solent, 1 February 2016, at <http://www.bbc.co.uk/programmes/p03hxbx0/>.
- 5.19. Michael Jewess, "Humphry Davy Chemical Landmark Plaque erected in Penzance: a success for the Historical Group", Royal Society of Chemistry, Historical Group, *Newsletter and Summary of Papers*, Winter 2016, **69**, 32-38.

- 5.20. "H G J Moseley (1887-1915), a lost Nobel Laureate?", 19 October 2016, a joint meeting of the Royal Society of Chemistry and the Institute of Physics, London, coorganiser with Professor Russell Egdell and session chairman.
- 5.21. *Situating chemistry* data base, entry for Michael Faraday's place of apprenticeship at 48 Blandford Street (modern address), Marylebone, London, 5 November 2016, <http://situatingchemistry.org/node/6498/>.
- 5.22. "History of science sites: beware the great London street renaming (1857-1945)", Society for the History of Alchemy and Chemistry autumn meeting, London, 12 November 2016, abstract in *Chemical Intelligence*, January 2017, **17**, 36.
- 5.23. Michael Jewess and Robert H Crabtree, "Electrocatalytic nitrogen fixation for distributed fertilizer production?", *ACS Sustainable Chem. Eng.*, 2016, **4(11)**, 5855-5858.
- 5.24. Michael Jewess, "Ramsay's and some other sealed packets", Royal Society of Chemistry *Historical Group newsletter and summary of papers*, Winter 2017, **71**, pages 22-27 (hard copy), 12-14 (online).
- 5.25. Report on roundtable discussion at Society for the History of Alchemy and Chemistry spring meeting, London, 20 May 2017, *Chemical Intelligence*, 2017, **18**, 35-36.
- 5.26. Michael Jewess, "Davy hits the headlines (again)", Royal Society of Chemistry *Historical Group newsletter and summary of papers*, Summer 2017, **72**, 28-30 (hard copy), 15-16 (online).
- 5.27. Michael Jewess, Essay Review of *Jim Baggott Mass: the quest to understand matter from Greek atoms to quantum fields*, Royal Society of Chemistry *Historical Group newsletter and summary of papers*, Winter 2018, **73**, 36-40 (hard copy), 18-20 (online).
- 5.28. Bill Griffith and Michael Jewess, report on Symposium commemorating the 150th anniversary of the Gesellschaft Deutscher Chemiker, London, 25 October 2017, Royal Society of Chemistry *Historical Group newsletter and summary of papers*, Winter 2018, **73**, 54-57 (hard copy), 28-32 (online).
- 5.29. Michael Jewess, report on "The Newtonian Moment" at the Institute of Physics, London, 21 March 2018, *Chemical Intelligence*, 2018, **20** (in press).

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