

**University of
Birmingham
Staff Papers:
Papers of
Sidney Alan
Barker**

**Reference:
US116**

US116

University of Birmingham Staff Papers:
Papers of Sidney Alan Barker

1857-2013

Personal and research papers comprising bound volumes of collected research papers 1957-1992; scrapbooks containing material relating to Barker's work with the Carbohydrate Research team in the Department of Chemistry at the University of Birmingham, his research fellowships in the USA in 1955-1956 and Canada in 1967, and his visit to Moscow and Kiev in 1962; scrapbooks containing writings by Barker on inventions and inventors, and research in the field of chemistry that was featured in newspaper reports during his career; copies of Barker's autobiographical writings 'Worthy in Learning and Character' and 'Life and Timeline'; and several correspondence files kept by Barker, which include correspondence relating to his work on carbohydrate research, conferences he attended and research contracts he held, as well as correspondence with representatives of a number of companies that he acted as consultant for during the 1980s and 1990s. There is also material relating to Barker's personal life, including typed copies of his memoirs, and papers relating to his research into his family's history, which include a ledger of the Tutbury Savings Bank from the mid nineteenth century, and some tracings of glass engravings made during the 1920s, both of which appear to have had a connection with his ancestors

Administrative history: Sidney Alan Barker was born on 13 April 1926 at Wilton Street, Lozells, Birmingham. He attended Handsworth Grammar School and was evacuated with the school to Stroud in Gloucestershire, and later Barnstaple in Devon, returning to Birmingham in 1942. He was interested in chemistry at school, but also played the piano and organ, and had sung in choirs.

He was a student at the University of Birmingham between 1944 and 1947, and after gaining a First Class Honours degree in Chemistry he began postgraduate research under Dr Stanley Peat. He also worked with Dr Edward Bourne on the enzymic synthesis of starch. In 1950 Barker was awarded the Mackinnon studentship of the Royal Society. During the 1950s he also spent time working at the Harwell Atomic Research Establishment, and trained as a Rockefeller Fellow at Berkeley, California in 1955 and 1956, learning how to handle and employ radioactive isotopes of carbon and phosphorus. He was appointed lecturer in the Chemistry Department at Birmingham in 1954, and when he returned from the USA he was involved in research into ways of protecting the human body from the effect of gamma rays, looking in particular as the kinds of carbohydrates and proteins found in the human body. He visited Moscow in 1962 on behalf of the Royal Society, as a guest of the Russian Academy of Science. He led the Carbohydrate Research team at the University of Birmingham from 1956, and worked with research students on the role of carbohydrates in human health, in conjunction with researchers at the University of Birmingham Medical School, and at a number of hospitals in the West Midlands. In particular Barker and his team collaborated with Dr Carl Cook and Professor Wilfred Butt at the Women's Hospital on follicle stimulating hormone and its use in fertility treatment. Barker was promoted to Senior Lecturer in 1962, and Reader in Carbohydrate Chemistry in 1964. He took up a Canadian Commonwealth Fellowship in 1967, based at Queen's University, Kingston, Ontario. From the late 1960s, Barker took on a number of consultancies with companies with interests in the use of immobilized enzymes, or in the attachment of enzymes. In the course of this consultancy work he produced a

number of inventions that resulted in patents being assigned to companies. He became Professor of Carbohydrate Chemistry in 1970. After his retirement he retained some of his consultancies, one of which he was still holding in 2009.

He married Ruth Miriam May in 1952, and they lived in Perry Barr, later moving to Selly Oak. They had two daughters, Jane and Elizabeth, and a son, Richard. Ruth died in 1994, and Barker married his second wife, Jean Clare, nee Pearson in 1995.

11 boxes

Access: Open

Language: English

US116/1

Collected Research Papers

1957-1992

Bound volumes and files of Barker's collected research papers consisting of offprints from academic journals, arranged in a numbered sequence from 52 onwards. Many of these papers were written jointly by Barker and by other members of staff in the Chemistry Department at the University of Birmingham, or by Barker and chemists at other academic institutions. Typed indexes are provided at the beginning of volumes covering the period from 1957 to 1990.

Papers from 1990 to 1991 largely comprise issues of European Biopatent Watch, a supplement to 'The Genetic Engineer & Biotechnologist' which was compiled by Barker and listed patents applied for. These files also contain occasional articles by Barker for 'The Genetic Engineer & Biotechnologist' and other academic journals, and copies of European Patent Applications submitted by companies which Barker was acting as consultant. Papers dating from 1992 consist of issues of 'Opportunity File' compiled by Cranfield Biotechnology

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Limited, for which Barker was Patents Editor. Papers in these later files have been numbered by Barker, continuing the same sequence as his earlier research papers.

10 files

Access: Open

US116/1/1	Collected Research Papers	1957-1960
	1 volume	
	Access: Open	
US116/1/2	Collected Research Papers	1960-1962
	1 volume	
	Access: Open	
US116/1/3	Collected Research Papers	1962-1967
	1 volume	
	Access: Open	
US116/1/4	Collected Research Papers	1967-1975
	1 volume	
	Access: Open	
US116/1/5	Collected Research Papers	1975-1981
	1 volume	
	Access: Open	
US116/1/6	Collected Research Papers	1981-1987
	1 volume	
	Access: Open	
US116/1/7	Collected Research Papers	1987-1990
	1 volume	
	Access: Open	

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US116/1/8	Collected Research Papers 1 file Access: Open	1990
US116/1/9	Collected Research Papers 1 file Access: Open	1991-1992
US116/1/10	Collected Research Papers 1 file Access: Open	1992
US116/2	Research scrapbooks and autobiographical writings Spiral bound A4 volumes containing typed accounts written by Barker; copies of conference and research papers; photographs; correspondence; and ephemera relating to various aspects of Barker's life, but primarily to his career as lecturer and later Professor of Carbohydrate Chemistry at the University of Birmingham, to research fellowships held in the USA and Canada, and to his consultancy work for various companies, several of which involved inventions for which patents were granted. One of the scrapbooks consists of a typed autobiography, and there is also a hardbound volume consisting of a timeline of Barker's life and career and short reminiscences about different phases of his life 15 files and 1 volume Access: Open	1948-2013
US116/2/1	'Conferences and Papers' scrapbook Scrapbook containing material relating to conferences that Sidney Alan Barker attended, including copies of papers he gave at some of these events. Conferences include the First	1949-1982

International Congress of Biochemistry, held in Cambridge in August 1949; a conference in Geneva on Atomic Energy in September 1958; the XIth Colloquium at Sint Jans Hospital, Bruges in May 1963 at which Barker presented a paper on Enzyme Induction; a Bee Research Association conference in July 1964; a lecture at the Stockport College of Further Education on Natural Macromolecules in 1964; an abstract for a paper on carbohydrate chemistry at the 149th National Meeting of the American Chemical Society in Detroit in April 1965; a paper on specific carbohydrates given at the 4th International Conference on Carbohydrate Chemistry; a Symposium on Enzyme Technology at Middlesex Polytechnic in December 1973; a paper on Gluten Toxicity in Coeliac Disease given at a Symposium held at the Institute of Child Health, Birmingham, in May 1976; a paper on the Stabilization of enzymes to heat, pH and proteolytic attack given at the Joint Symposium of the Society of Chemical Industry and the Biochemical Society in London in June 1976; a Symposium on Advances in the Chromatographic Fractionation of Macromolecules held at the University of Birmingham by the Chemical Society Macromolecular Group in July 1976; a meeting of analysts from the APA and Chemical Society North West region in Preston in April 1977; and a Symposium on Microbiology, Fermentation and Enzyme Technology organised by the Society of Chemical Industry in London in June 1977. The scrapbook also contains copies of papers by Barker on Biochemical Sensors, together with his notes on papers on enzymes by other researchers at an unidentified conference; a paper entitled 'Reactor-Separators - a New Concept in Process Chemistry', and a paper entitled 'Recovery Process Aids for Downstream Processing in Biotechnology' possibly resulting from Barker's research for Boots

Company Ltd in 1982.

As well as copies of conference papers, the scrapbook also contains conference programmes and correspondence from conference organisers. There are also letters from Barker to his wife, Ruth, from the First International Congress of Biochemistry in 1949, which give his impressions of Cambridge and his fellow delegates, and letters to his wife and their daughter, Jane, written from Geneva in 1958 which give details of his travel arrangements, and the conference on Atomic Energy he attended there.

1 file

Access: Open

US116/2/2

'Carbohydrate Research Team'
scrapbook

1956-1991

Scrapbook containing photographs and ephemera relating to Barker's role as team leader of the Carbohydrate Research Team in the Chemistry Department of the University of Birmingham. These include photographs of Barker and his family at a degree ceremony at which he was awarded a DSc; group and individual photograph of members of the Chemistry Department and particularly of members of the Carbohydrate Research group, including Dr P.J.Somers, Dr.C.Gray. Dr J.F.Kennedy, and Dr.N.Baggett; biographical details about some of Barker's former research students; a list of co-authors of papers published from the University of Birmingham Chemistry Department as a result of work for the Carbohydrate Research group; photographs of Barker with a delegation of Chinese chemists; photographs of Barker and others associated with the Chemistry Department including Professor Maurice Stacey, Professor M.Heidelberger, and Professor E.J.Bourne; a copy of Barker's inaugural lecture; and biographical information

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about Sir Harry Melville, Norman Haworth, and Maurice Stacey, taken from newspaper reports or internet research.

1 file

Access: Open

US116/2/3 Chemical Research scrapbook 1948-1985

This scrapbook consists of press cuttings; correspondence; patent specifications; photographs; and copies of research papers by Barker, relating to different aspects of biochemical research. All the items relate in some way to research that Barker, or the wider Chemistry Department at the University of Birmingham, was involved in during his career there. At the front of the scrapbook is an account by Barker recording what he considered to be his greatest achievements in carbohydrate research

1 file

Access: Open

US116/2/4 'Pearls of Wisdom' scrapbook 1982-1994

This scrapbook contains a written account by Barker focusing on some of his research achievements, followed by a number of research papers, largely on carbohydrate chemistry, but also including an article submitted by Barker to 'Derbyshire Miscellany' issued in Spring 1982 entitled 'Civil War and Civil Strife in South West Derbyshire, 1250-1499'. The other papers are 'Immobilisation of the Biological Component for use in Biosensors', 1985; 'Carbohydrates and the Chemical Industry', 1989; 'Biotechnology: A Personal Perspective' in 'The Genetic Engineer and Biotechnologist', Vol 14, No.1 1994; and 'Carbohydrates and the chemical industry; achievements and prospects' in 'Endeavour, New Series' Volume 15, No.4 1991

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'Inventions and Inventors' scrapbook

1959-

This scrapbook contains a written account by Barker which discusses some of his inventions, largely relating to enzymes, while he was working as a consultant for a number of companies during and after his career at the University of Birmingham. This is followed by photocopies of research papers and patent applications on behalf of the Atomic Energy Authority in 1959; the National Research Development Corporation in 1963; Aspro-Nicholas Ltd between 1965 and 1972; Ranks Hovis McDougall between 1967 and 1974; the Royal College of Surgeons 1972; Koch-Light Ltd later Genzyme UK from 1965 to 1984; Boehringer Mannheim from 1969 to 1971; Gist-Brocades N V from 1978 to 1991; Pye-Unicam Ltd between 1970 and 1980; ICI Ltd Agricultural Division from 1973 to 1991; Foseco International from 1976 to 2009; and Alginate Industries, later Kelco International from 1981 to 1990. At the back of the scrapbook is a list of the other consultancies which Barker held

1 file

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US116/2/6

Autobiography 'Worthy in Learning and Character'

2009

Typed autobiography divided into short chapters followed by copies of photographs of Barker and of research colleagues, and a detailed timeline giving significant dates in the lives of Barker's parents and siblings, as well as events in Barker's own life. There is also a photocopy of Barker's inaugural lecture, and details of some of the consultancies he held. The autobiography and timeline are both divided into sections relating to

different phases in Barker's life, from his childhood in Lozells, Birmingham and school days at Handsworth Grammar School, including experiences during the Second World War when his school was evacuated, his time as an undergraduate at the University of Birmingham from 1944 to 1947, his postgraduate research and travels in the USA, his role as leader of the Carbohydrate Research group at Birmingham, his various consultancies, and his activities in his retirement. Career achievements are interspersed with details about his personal and family life.

1 file

Access: Open

US116/2/7

Rockefeller Fellowship, California
scrapbook 1

1955

This scrapbook contains material generated during Barker's work with Professor Melvin Calvin at the Radiation Laboratory, Berkeley, University of California, from August to December 1955 which resulted in the research publication 'Intermediates in the photosynthetic cycle'. The scrapbook contains a copy of this paper together with correspondence from Melvin Calvin, the University of California, and the Rockefeller Foundation; a pamphlet explaining the work of the Radiation Laboratory; photographs of the voyage to America with souvenir menu from the Queen Mary; several letters from Barker to his parents, his brother Philip, who was also a chemist, and other family members describing his trip; photographs of New York, including Professor Heidelberger's apartment; photographs of Buffalo New York, Niagara Falls, Chicago, Berkeley, San Francisco, and other locations in California; photographs of friends and colleagues at the Radiation Laboratory; and a pamphlet giving information about nuclear research being carried out at the University of California. The correspondence and photographs, in

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particular, provide information about the nature of Barker's work in California, and also give details about his life there, and his sightseeing visits.

1 file

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US116/2/8

Rockefeller Fellowship, California
scrapbook 2

1956

This scrapbook contains material generated during Barker's work with Professor Melvin Calvin at the Radiation Laboratory, Berkeley, University of California from January to April 1956. It largely comprises letters from Barker to his parents, his brother Philip, and other family members, which give detailed information about his life in California, and also discuss the nature of his research there. The file also contains press cuttings from Californian newspapers concerning the arrival and activities of foreign students, including Barker; photographs of Barker, his friends at the University, and the Californian landscape; and a typescript account by Barker entitled 'Some Thoughts on California' which highlights some of the differences between daily life in England and California, and between California and other states of America.

1 file

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US116/2/9

Rockefeller Fellowship, New Jersey
scrapbook

1956

Scrapbook containing material generated during the period when Barker was working with Professor M.Heidelberger at the Institute of Microbiology, State University of New Jersey from May to August 1956, in the field of immunology. The file contains pages of biographical information about Heidelberger, printed from Wikipedia; substantial

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correspondence from Barker to his parents, his brother Philip and other family members; photographs taken by Barker while in Las Vegas, Colorado river; and ephemera including travel tickets and menus from his travels in the USA. The file also contains letters to Barker from Professor Maurice Stacey, and from staff at the Rockefeller Foundation regarding his travel arrangements and expenses, and his final report on his activities while in the USA.

1 file

Access: Open

US116/2/10

Moscow visit scrapbook

1962

Scrapbook containing material relating to Barker's visit to Moscow and Kiev in September 1962 as a guest of the Russian Academy of Sciences under the scientists exchange scheme with the Royal Society of London. The file contains biographical information about Professor Nikolai Konstantinovich Kochetkov, with some correspondence from him; a brief account by Barker of the background to his visit to Russia, including references to his first Russian student, Khmelnitski, who studied at the University of Birmingham in 1957; copy of a typescript report submitted by Barker to the Royal Society giving an account of his visit, with descriptions of living conditions, and restrictions on visitors to Russia; correspondence between Barker and Soviet officials, including members of the Academy of Sciences USSR; letters from Barker to his wife, Ruth; and various souvenir booklets issued by Intourist for visitors.

1 file

Access: Open

US116/2/11

Canadian Commonwealth Research Fellowship scrapbook

1967

Scrapbook containing material generated during the course of Barker's fellowship based at Queen's University, Kingston, Ontario, working with Professor J.K.N.Jones. Barker lectured there, and at other universities in the USA and Canada, and at the US Department of Agriculture, Peoria Illinois, and Abbott Laboratories, North Chicago. The file contains correspondence between Barker and staff at Queen's University and with the Canadian Commonwealth Scholarship and Fellowship Committee; a copy of Barker's report on his experiences in Canada; typescript account setting out details of Barker's research while in Canada; papers relating to Barker's house rental and arrangements for his car to be shipped over to Canada; correspondence relating to Barker's guest lectures at the United States Department of Agriculture Agricultural Research Service, Abbott Laboratories in Chicago, the State University of New York at Buffalo, the University of Ottawa, Canada Department of Agriculture, National Research Council, University of Alberta, University of British Columbia, and the Universite Laval, Quebec; and various travel documents and financial papers.

1 file

Access: Open

US116/2/12

Fellowships and consultancies scrapbook 1950-1968

Scrapbook containing papers relating to Barker's career, particularly to his appointments as research fellow and lecturer, but also to his agreements with academic publishers, to his salary and superannuation, and to some of the industrial consultancies he held. The file largely consists of correspondence, including letters from The Royal Society concerning Barker's Mackinnon Research Studentship, from The British Rayon Research Association relating to his fellowship at the University of Birmingham, from the University of

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Birmingham concerning his post as lecturer in the Department of Chemistry, particularly the terms of his contract, the payment of his salary, and his appointment to university committees, but also his leave of absence following the award of a Rockefeller Foundation fellowship in 1954. There are memoranda of agreements between Barker and D. Van Nostrand Company, Limited, and Clarendon Press, University of Oxford, letters from The Royal Institute of Chemistry confirming his election as Fellow, and consultancy agreements between Barker and Swiffen & Sons Limited. Finally, there are several letters to Barker from The Nicholas Research Institute Ltd, and a smaller number from Koch-Light Laboratories Ltd which discuss the effectiveness of products which Barker had been developing for each firm.

1 file

Access: Open

US116/2/13

Consultancies scrapbook

1991-1992

Scrapbook largely containing papers relating to Barker's work as consultant, consisting of purchase orders and invoices issued by Barker Consultancy Services and Barker Technical Services and correspondence with companies for which Barker acted as consultant discussing patents. The file also contains papers relating to other areas of Barker's professional life, consisting of correspondence concerning the British Association Science and Technology Conference in 1992 and 1993, correspondence asking Barker to review books for Chemistry in Britain and from GB Biotechnology discussing Barker's position as a member of the editorial board of 'The Genetic Engineer and Biotechnologist', agreement between Barker and Elsevier Science Publishers Ltd, and correspondence from Ellis Horwood discussing Barker's contribution

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to the third edition of Alan Wiseman's Handbook of Enzyme Biotechnology.

1 file

Access: Open

US116/2/14

Retirement scrapbook

1970-1996

This scrapbook largely contains material relating to Barker's retirement from the University of Birmingham in 1991 and his appointment as Emeritus Professor and consists of correspondence, tax and pension records, a handwritten document entitled 'Farewell to the University', and letters from academic colleagues received following his retirement. The file also contains correspondence relating to Barker's entry in Debrett's People of Today, and a number of letters from former students discussing their careers in the fields of academic or industrial chemistry. Some of the letters ask Barker to act as referee for job applications

1 file

Access: Open

US116/2/15

Family History scrapbook

1972-1986

Scrapbook containing material relating to Barker's research into his family history, consisting of a typed research report entitled 'Genealogy of the Barker family', papers relating to Barker's grant of arms, photocopies of archive documents held in Birmingham Central Library, and several items of correspondence discussing lectures given by Barker on the subject of carrying out family history research, to schools in the West Midlands and Derbyshire, and to local groups, many in connection with the West Midlands branch of the British Association for the Advancement of Science, and a smaller number of letters to Barker from archivists and librarians at record offices in Birmingham, Lichfield, Stafford and Derbyshire thanking him for sending

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	copies of his 'Genealogy of the Barker family'	
	1 file	
	Access: Open	
US116/2/16	Life and Timeline	2013
	Hardback volume containing typescript narrative of Barker's life and career, with particular memories and events described in short chapters. The text is interspersed regularly with photocopies of photographs, correspondence, certificates, reports, and other personal ephemera covering Barker's childhood and family history, his education and career development, his scientific research and inventions, and his personal and family life	
	1 volume	
	Access: Open	
US116/3	Correspondence	1951-1990s
	Correspondence files created and arranged by Barker, largely consisting of letters from letters from individuals he came into contact with during the course of his career, including research chemists at academic institutions in Britain, Europe and North America, as well as contacts at universities in Japan and the Middle East. There is also substantial correspondence from representatives of companies for whom Barker acted as consultant, either alone, or as part of a research group based at the University of Birmingham. The files also contain some copy correspondence from Barker, and other material including copies of Assignments of inventions, consultancy agreements, and other papers relating to carbohydrate research.	
	6 files	

Access: Open

US116/3/1

Carbohydrate Research Correspondence 1955-1970

Letters between Barker and research chemists at British, North American, and European universities, including members of his own department at Birmingham as well as other organisations including the Agricultural Research Council, the National Collection of Type Cultures, Wellcome Research Laboratories, Columbia-Presbyterian Medical Center, Ministry of Supply Microbiological Research Establishment, Department of Internal Medicine, Sapporo Medical University, Japan, American University of Beirut, Lebanon, Medical Chest Unit, Harefield Hospital, Southampton Chest Hospital, Sonders Place Research Institute, Glaxo Laboratories, Department of Scientific and Industrial Research, National Collection of Industrial Bacteria, Staffordshire County Council Education Committee, Tate & Lyle Limited, Sugar Research Foundation, New York, Nuffield Orthopaedic Centre, Robert Jones & Agnes Hunt Orthopaedic Hospital, Oswestry, Max Planck Institut, Heidelberg, Canada Department of Agriculture, Federation of American Societies for Experimental Biology, Unilever Research Laboratory, Dow Chemical Company, Bio-Rad Laboratories, Le Carbone (Great Britain) Ltd, California & Hawaiian Sugar Refining Corporation, County Borough of Dudley Education Committee, Royal Children's Hospital, Parkeville, Victoria, Australia, New York Medical College, Macaulay Institute for Soil Research, Saint Luke's Hospital of the Methodist Church, New York, Aluminium Laboratories Limited, Arvida, Oak Ridge National Laboratory operated by Union Carbide Corporation Nuclear Division, National Research Council, Canada, Royal Manchester Children's Hospital, Kaptein W.Wilhelmsen Og Frues Bakteriologiske Institut Rikshospitalet, Oslo, Royal Dental

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Hospital of London, Malayan Rubber Fund Board Natural Rubber Producers' Research Association and Slovak Medical Society. The correspondence relates to developments in the field of carbohydrate research.

Interspersed with the correspondence is a typescript account of a research visit to Moscow and Leningrad in 1966 by J.K.N.Hones, Chown Research Professor, Department of Chemistry, Queen's University, Kingston, Ontario, and a report by Barker on the Commonwealth Research Fellowship which he held at Queen's University, Kingston, Ontario in 1967.

The correspondence has been arranged by Barker, in roughly chronological order.

1 file

Access: Open

US116/3/2

General Correspondence

1957-1986

Letters between Barker and representatives of organisations he was in contact with concerning carbohydrate research, particularly chemical companies and other bodies which incorporated chemical research in their outputs. The file also contains copies of Agreements between Barker and companies he acted as consultant for, and copies of Assignments of inventions by Barker and his colleagues, for which patents had been applied for.

Correspondents include the National Research Development Corporation; Medical Research Council; Department of Experimental Medicine, Cambridge; State of New York Department of Health; University of Pittsburgh School of Medicine; Abbott Laboratories, Scientific Divisions, Chicago; United Dairies Limited; University of Leeds Department of Obstetrics and Gynaecology; National Research Development Corporation;

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University of Pittsburgh Protein Research Laboratory; United Birmingham Hospitals Department of Clinical Endocrinology; Boots Company Ltd; Imperial Chemical Industries Limited; Koch Light Laboratories Ltd; Nicholas Research Institute Limited; Aspro-Nicholas Limited; and Pye of Cambridge Ltd. There are Assignments between Barker and colleagues at the University of Birmingham concerning payments for work done by Barker and his research colleagues for the National Research Development Corporation, Urqhart-Dykes & Lord; and separate Assignments concerning payments for work done by Barker and his research colleagues for Ranks Hovis McDougall (Research) Limited, assigning inventions to the company. There are consulting Agreement between Barker and Hercules Incorporated, Barker; and Aspro-Nicholas.

The file also contains typescript minutes of two Research and Development meetings held at Colnbrook in December 1965 and 1966, possibly for Koch-Light Laboratories Ltd.

The correspondence has been arranged by Barker, in rough chronological order.

1 file

Access: Open

US116/3/3

General Correspondence

1968-1977

Letters between Barker and correspondents from both academic institutions and companies, relating to research and conference papers, and to inventions that Barker was working on for companies. Also included with the correspondence are copies of reports about products presumably resulting from inventions by Barker and colleagues for companies, and copies of conference papers and programmes. Correspondents include: Nicholas Research Institute;

University of Newcastle upon Tyne; Abdul Mannan Margalani; Max Planck Institute for Virus Research; University of Salford; Canada Department of Agriculture; State University of New York at Buffalo Health Sciences Center; M.Heidelberger, New York University School of Medicine; National Institute for Medical Research; Ohio State University; Corning Glass Works; Birmingham and Midland Eye Hospital; University of London Convocation West Midlands Group; City of Leicester Polytechnic; Jorunn Eriksen, Kaptein W.Wilhelmsen Og Frues Bakteriologiske Institut Rikshospitalet, Oslo; Eglinton Yates & Co.Ltd; University of Manchester Institute of Science and Technology; United Birmingham Hospitals Department of Clinical Endocrinology; Metabolic Division, Department of Medicine, Middlesex Hospital Medical School; Department of the Air Force Air Force Materials Laboratory, Ohio; Dr.S.H.Doss, Bonn, West Germany; Smith & Nephew Research Ltd; Harvard Medical School, Massachusetts General Hospital; National Research Council of Canada; Society of Chemical Industry; University of Missouri-Kansas City; University of Colorado Medical Center; Lord Rank Research Centre; Wolverhampton Polytechnic; University of Surrey; Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland; Atomic Energy Research Establishment, Harwell; County Borough of Dudley; Beecham Research Laboratories; British Postgraduate Medical Federation; Agricultural Research Council Food Research Institute; West Bromwich Round Table; The Association for Science Education; British Food Manufacturing Industries Research Association; Departamento de Quimica Organica, Facultad De Ciencias, Universidad de Sevilla; Lancashire County Council; Society for Analytical Chemistry Analytical Division, Chemical Society; Glue and Chemical Products

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(PVT) Ltd; Dynapol; The Distillers Company Limited; Lanchester Polytechnic, Faculty of Art and Design; St Anne's Board Mill Company Limited; National Association of Soft Drinks Manufacturers Limited; CPC (United Kingdom) Ltd Industrial Division; Association of Clinical Biochemists; Portland Publications; Novo Industri A/S; The Chemical Society; The British Council; Journal of the Association of Public Analysts; University of Manchester Department of Extra-Mural Studies.

The file also contains copies of the minutes of a meeting of the subject examination panel for Physical Science for the degree of B.Ed held at the School of Education, University of Birmingham, 24 November 1971

The correspondence has been arranged by Barker, in rough chronological order.

1 file

Access: Open

US116/3/4

Correspondence with companies

1969-1989

Letters between Barker and representatives of various companies for whom he was undertaking research work in the field of carbohydrate chemistry. Correspondents include Aspro-Nicholas Limited; Boehringer Mannheim; Booth & Co Solicitors concerning a dispute between Allied Colloids Limited and A.Ogden & Sons Limited and Ogden Chemical Industries Limited; Boots Company PLC; Cadbury Limited; Calmic Limited; F.A.C Engineering Limited; Hercules Incorporated; Imperial Chemical Industries Limited Agricultural Division; Koch-Light Laboratories Ltd; National Research Development Corporation; Lloyd Wise, Bouly & Haig Chartered Patent Agents; and Reid Clarke & Co Chartered Patent Agents concerning Ranks Hovis McDougall Limited patent

application.

The file also contains typescript research paper entitled 'Intermediates in Algae Metabolism' by J.A.Bassham, S.A.Barker, and C.Quarck, and correspondence from the University of Birmingham relating to Barker's professorial salary and inaugural lecture as Professor of Carbohydrate Chemistry.

The correspondence has been arranged by Barker in roughly alphabetical order

1 file

Access: Open

US116/3/5

Correspondence relating to consultancies 1980s-1990s

Correspondence, consultancy agreements, invoices and other material relating to Barker's consultancy work for companies, including material concerning Barker Consultancy Services, Barker Secretarial Services, and Barker Technical Services, operated by Barker and his family to administrate different aspects of Barker's consultancy work. Correspondents include Academic Press Inc; Albright & Wilson Ltd; Alginate Industries Limited; Kelco/AIL International Limited; G.Barraclough (Soft Drinks) Ltd; Biomass International; Grant Thornton Chartered Accountants; Boots Company Ltd; British Sugar plc; Courtaulds plc; Cranfield Biotechnology Ltd; Elsevier Science Publishers Ltd; Fisons Pharmaceuticals; Fosroc Technology Limited; GB Biotechnology; IPT (International) Ltd; Oxford University Press; Spontex Strategic Innovations International; Thorn EMI Electronics Limited; Wellcome Research Laboratories; Wiggins Teape Research and Development Limited; Whistler Center for Carbohydrate Research; and Zimmer Ltd.

The correspondence has been arranged

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by Barker in roughly alphabetical order

1 file

Access: Open

US116/3/6

Miscellaneous Correspondence

1951-1991

Correspondence, research papers by Barker, press cuttings, and ephemera relating to Barker's academic career and to his role as a consultant for companies, in the field of carbohydrate chemistry. Correspondents include Great Ormond Street Hospital for Sick Children; Abbott Laboratories Scientific Division; Department of Dental Science, Royal College of Surgeons of England; Calmic Limited; Koch-Light Laboratories Ltd; Imperial Chemical Industries Limited Agricultural Division; Dynapol; Rowntree Mackintosh; Britvic Limited; John & E. Sturge Ltd; Marine Colloids Division, FMC Corporation; and Queen's University, Kingston, Canada concerning the J.K.N.Jones Memorial Fund.

The file also contains a Report for the year 1968-1969 to the Nuffield Rheumatism Research Council by Professor M.Stacey, Dr.S.A.Barker, Dr.M.J.How, and Dr P.J.Somers; and Reports by Fellows of the Royal Society who visited the USSR between 1959 and 1961 to lecture under the exchange agreement between the Royal Society and the USSR Academy of Sciences, as well as copies of Barker's inaugural lecture, and of an inaugural lecture by Thomas Patterson Whitehead, delivered in November 1969.

1 file

Access: Open

US116/4

Records relating to family history

1857-1930

Miscellaneous items relating to Barker's ancestors who lived in Tutbury, Staffordshire, which came into Barker's

possession via family members and which are likely to have been used by him in the course of his research into the history of his family. These consist of a ledger of the Tutbury Savings Bank, of which William Barker, an ancestor, was the first treasurer, and a set of pencil tracings of glass engravings made by Eli James Adshead in the 1920s

2 files

Access: Open

US116/4/1

Tutbury Savings Bank ledger

1857-1867

Indexed alphabetically by customer name. Records deposits, withdrawals, and interest accrued for each customer account. Most of the customers are private individuals, but there are also a small number of businesses and other organisations with account details recorded. Some pages have been torn out, and the ledger has been re-used at a later date to make sketches of coats of arms, and entries on several pages towards the front of the volume have had cuttings of tracings of glass engravings and sketches of coats of arms stuck over them.

1 volume

Access: Open

US116/4/2

Sketches of glass engravings

1922-1930

Photograph album with self adhesive pages containing pencil tracings of glass engravings made by Eli James Adshead, an ancestor of Barker, at the glassworks in Tutbury, Staffordshire. A note by Barker at the front of the volume states that these tracings were originally pasted into the Tutbury Savings Bank ledger, described at US116/4/1. The spine of the album bears a sticker which reads 'Pictorial History of the Barkers, volume six', suggesting that it was part of a series of volumes containing ephemera relating

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to Barker's family history

1 volume

Access: Open