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## **N & Z**

Business records of Negretti & Zambra Ltd re company  
history, premises, subsidiaries and agencies, customers;  
staff, etc., c.1900-1980.

Compiled by Robert Sharp & Matthew Stephenson

## N & Z

No other archives or history of the Negretti & Zambra company exist (apart from a brief 1950 centenary publication). Many of its records were destroyed in wartime bombing and when it moved to Aylesbury in the mid-1960s. The material here was located by John Bradley at the home of one of the surviving directors of the company, Mr P A Negretti. Mr Bradley arranged its transfer to the Archives Collection of the Science Museum and Mr Negretti formally presented it to the Museum in June 1995. Sadly, the material represents only a small fraction of Negretti & Zambra's long history, but it does provide a valuable history of the last years of a long-established instrument-making company coping with revolutionary changes in instrument making, as the technology changed from mechanical skills to electronics and then to micro-processors. All the Victorian instrument makers who survived to 1950 faced the same problems, and most disappeared during that decade. Negretti & Zambra coped and survived longer than most, and these records provide a good history of that struggle. Hopefully, the establishment of a nucleus of Negretti & Zambra records here at the Science Museum Library will attract other, older, records of the company.

Between collecting the archive from Mr Negretti and delivering it to the Museum, Mr Bradley kindly produced a basic listing of it. He identified specific groups of material and, whereas these groups have been retained, much more flesh has been put on the bones of his listing. The Museum is extremely grateful to Mr Bradley for his initiation of, and participation in, this project.

NB Since the above was written, a second batch of material has been located by Mr Bradley; much of it complements the first batch into which it has now been interpolated - this partly explains the quirky numbering system! It also includes c.100 items of 'trade literature' which have been extracted and placed in the library's Trade Literature Collection

## Contents

1. Company history, chiefly financial
2. Company staff
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**1            Company history, chiefly financial**

- |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /1  | 1971           | Company Developments Ltd<br>1 file                                                                                                                                                                                                                                                                                                                                                                                                                     |
| /2  | 1970-1971      | Debtors<br>1 file<br><br>[Press cuttings]                                                                                                                                                                                                                                                                                                                                                                                                              |
| /3  | 1965-1974      | National press etc<br>1 file                                                                                                                                                                                                                                                                                                                                                                                                                           |
| /4  | 1969-1974      | Press cuttings etc<br>1 envelope                                                                                                                                                                                                                                                                                                                                                                                                                       |
| /5  | 1968-1970      | Local press<br>1 envelope                                                                                                                                                                                                                                                                                                                                                                                                                              |
| /6  | 1948 Sept      | Press cuttings re new capital issue<br>1 folder                                                                                                                                                                                                                                                                                                                                                                                                        |
| /7  | 1969 Dec 12-13 | 1 folder                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| /8  | 1959-1972      | Non-voting shares [includes particulars of Sykes<br>Associated Investment Ltd/W E Sykes Ltd (1956-61)]                                                                                                                                                                                                                                                                                                                                                 |
| /9  | 1966-1968      | Financial Director's Reports<br>1 file                                                                                                                                                                                                                                                                                                                                                                                                                 |
| /10 | 1955-1979      | [Annual Reports & Accounts: Negretti & Zambra (1955-<br>56 to 1979); New Western Engineering Ltd (1960 to 1964);<br>Negretti & Zambra Superannuation Fund (1971 to 1975);<br>Negretti & Zambra (Aviation) Ltd (1973 to 1977);<br>Mechanism Ltd (1973 to 1975); Visual Engineers Ltd (1974<br>& 1976); B Black & Sons Ltd (1974 & 1975); Williamson<br>Manufacturing Co Ltd (1976); Negretti & Zambra Ltd &<br>subsidiary companies (1971-72)]<br>1 box |
| /11 | 1962-1972      | Merchant Bankers etc<br>1 file                                                                                                                                                                                                                                                                                                                                                                                                                         |
| /12 | 1968-1973      | Industrial & Commercial Finance Corporation Ltd<br>1 file                                                                                                                                                                                                                                                                                                                                                                                              |
| /13 | 1965-1972      | Keyser Ullman Ltd [merchant bankers]<br>1 file                                                                                                                                                                                                                                                                                                                                                                                                         |

/14	1965-1971	Cooper Brothers & Co Ltd [accountants] 1 file
/15	1974	N & Z Script Issue 1 envelope
/16	1966-1969; 1971-1979	Finance 10 files
/17	1966-1969	Group results 1 file
/17a	1971-1977	Group Executive etc 2 files
/18	1963-1966	Trading results; product profitability 2 files
/19	1971-1979	Aylesbury. Chief Executive reports 7 files
/20	1967-1968	Minutes [of Directors' meetings] 1 file
/21	1969-1974	----- as above ----- 3 files
/22	1975-1979	----- as above ----- 3 files
/23	1967-1970	Managing Director's reports  [P A Negretti - correspondence]
/24	-1963	Miscellaneous to '63
/25	1964	----- " -----
/26	1965	----- " -----
/27	1966	----- " -----
/28	1967	----- " -----
/29	1968	----- " -----
/30	1969	----- " -----

/31	1970	----- " -----
/32	1971	----- " ----- 9 files
/33	1971 Mar	KU - CD - Midland etc [i.e. Keyser Ullman & Co - Company Developments Ltd, Solihull - Midland Bank. Notes re meetings etc] 1 envelope
/34	1970-1971	Raising money. Sale and lease of office block and sports ground 1 envelope
/35	1970	Minutes [of Directors' meetings of Jun 23 & Jul 28; with reports of Group Managing Director and Financial Director for latter, Directors' and Executives' location charts illustrative of their external visits] 1 envelope
/36	1966-1967	Warburgs. Correspondence - private and company, re finance 1 file
/37	1961-1962	Operating statements; trading figures; input; order of merit 1 file
/38	1970	Management Development [Programme] 1 envelope
/39	1967-1971; 1978	[Correspondence with] Shareholders 1 envelope
/40	1955-1956	Works reports; controller prices etc 1 file
/41	1954-1961	Prices [i.e. 'Figures of demand for various instruments 1954-60, breakdown of production costs and prices increases'] 1 envelope
/42	1954-1961	Price increase[s] 1 file
/43	1963-1965	----- " ----- 1 file
/44	1972-1978	AGM luncheons at Great Eastern Hotel, Liverpool St

		1 file
/45	1955-1973	Exhibitions, S.I.T. [Society of Instrument Technology] dinners etc 1 file
/46	1964	Subsidiary Directors 1 file
/47	1970 Apr	Engineering Department Report Feb/Apr 1 folder
/48	1970 Sept	Product Revision proposals. [With minutes and reports re 'sales analysis', 'market appreciation' and the precarious position of the company, as communicated to the chairman PA Negretti] 1 folder
/49	1970	[Appointment of Chief Executive, Aylesbury, as undertaken by MSL, management consultants] 1 folder
/50	1946 Apr 17	Memorandum and new Articles of Association of Negretti & Zambra Ltd [bound]
/51	1963-1967	Share incentive scheme for directors and dismissal terms for directors. [Includes details of pensions, redundancy, early retirement etc] 1 file
/52	1975	Negretti & Zambra Group. Five year business plan. Phase 1 [bound]
/53	1979-1980	Negretti & Zambra Ltd. Budgets and five year plans 4 items
/54	1970 Jun	Group Presentation ['at lunch for Min. of Tech.' Gives good description of N & Z company products] 1 envelope
/55	1977 May	Negretti & Zambra. Submission to the Department of Industry for Financial Assistance : Summary; An appraisal of the MPC 80 programme; Corporate Data [3 bound parts]
/56	1965	Product rationalisation 1 file
/57	1968 Feb	N & Z Ltd Marketing Division. Sales Conference

		1 file
/58	1970 Oct	[Report] Market checking assignment - brief assessment of company market image. Prepared by Bowhurst Ltd for N & Z Ltd 1 file
/59	1967 Dec	Survey Report [by] Thompson Scheduling Limited [for] N & Z Ltd [re feasibility of 'short interval scheduling controls'] 1 file
/60	1966 Mar	N & Z Ltd. Report on computerisation project 1 ring binder
/61	1964-1965	W. J. P-M [Visit of W J Pilkington-Miksa, managing director of Mellowhide Products Ltd, Rochdale, re efficiency, layout etc of N & Z Ltd. Includes 'personnel reports'] 1 file
/62	1965-1966	J E Samson. Managing Director. [Re his appointment as M.D. of N & Z] 1 file
/63	1961 Jan-1962 Feb	N & Z Ltd. Survey Report [1, and] Progress Report [s, 11, undertaken by Production Engineering Ltd.] [Bound]
/64	1961 Feb-1964 Feb	Production Engineering [Ltd. Consultancy Reports] 1 file
/65	1969-1970	J E S[amson] etc. [Includes details of Samson's resignation; minutes of Directors' meetings 1970 Aug-Sept; surveys of N & Z Ltd in Apr-May 1969 by P A Negretti; draft statement re Directors' salaries] 1 file
/66	1968 Jan	An appreciation of Negretti & Zambra Limited [by] J E Samson, Group Managing Director. [16p + 21 'finance' sheets + 9 organisation charts] 1 file
/67	1968-1969	Supplementary report on An Appreciation of Negretti & Zambra Limited [(1968 Dec) by J E Samson. With reports to Samson from Finance and Secretarial Dept (Nov 1968), Engineering (July 1968), Marketing (Sept 1968), Production Report (Aug 1968)] 1 file

/68	1979	Papers re disposal of N & Z assets shortly before collapse of company 1 folder
/69	-	Papers re competitive position of N & Z 1 folder
<b>2</b>	<b>Company staff</b>	
/1	1953, 1956	Token strike etc 1 file
/2	1945-1973	Staff agreements etc. [Correspondence, chiefly of P A Negretti with staff members re conditions of work and duties, pay etc. Includes correspondence (1960) with Air Vice-Marshal A F Hutton as chief engineer to Negretti & Zambra] 1 file
/3	1932-1975	Long Service. Apprentices. [Correspondence re presentations to long-serving staff, their careers etc] 1 file
/4	1960-1966	[Work]shop Reps. [Correspondence, memos etc] 1 envelope
/5	1964	[Staff lists of various departments prior to move to Aylesbury] 1 file
/6	1964-1969	Aylesbury houses etc. [Particulars re staff moving to new Negretti & Zambra premises in Aylesbury] 1 envelope
/7	1957-1965	Staff & general matters. [Correspondence, memos etc] 1 file
/8	1955-1958	Analysis of Labour. [Details of the 'X' (experimental) department: worker's name, instrument made/ repaired, time spent, customer. This skilled department made precision instruments] 1 file
/9	1968 Nov	"One Man's Life, with his wife and family". [Photocopy of ms. personal reminiscences of Frederick George Pither (b.1902) who worked 50 years (1917-1967) at Negretti & Zambra] 1 file

/10/1	1930-1942	Balance sheets for N & Z Benevolent Fund 1 file
/10/2	1946-1960	--- as above --- 1 file
/11	-	Apprenticeship brochure
/12	1965 Oct	Establishment 1 file

### **3      Aircraft instrument manufacture**

[Files simply titled 'Aviation' (etc), containing reports, budget statements, minutes (particularly of executive meetings, correspondence, memos etc re Negretti & Zambra (Aviation) Ltd, each also containing many papers re Mechanism Ltd. There are also details of the acquisition of Bryans Ltd of Mitcham, Surrey (1970) and Kollsman Instruments Ltd of Southampton (1975)]

/1	1969	
/2	1970	
/3	1971	
/4	1972	
/5	1973	
/6	1974	
/7	1975	
/8	1976	
/9	1977	
/9a	1978	Aviation. Finance
/9b	1978	--- " -- Production
/9c	1978	--- " -- Capital expenditure
/9d	1978	--- " -- Miscellaneous
/9e	1978	--- " -- Main Board

/9f	1978	--- " -- Engineering
/9g	1978	--- " -- Sales
/10	1978 Jan-1981 Mar	Aviation Minutes. [Minutes of meetings of Directors of Negretti & Zambra (Aviation) Ltd] 1 file
/11	1966 Dec-1967 Nov	Mechanism. [Reports, budget statements, minutes, correspondence, memos etc re Mechanism Ltd. This file, together with /12 below, includes acquisition of the company and integration into N & Z (Aviation), as well as staff lists, 10 years of profit figures etc] 1 file
/12	1968-1969/1975 Jan	----- as above ----- 1 file
/13	1968 Jan-1970 Oct	Bryans. [Correspondence, reports, minutes, agreements, copy product literature etc re acquisition by Negretti & Zambra Ltd of Bryans Ltd, aircraft test equipment manufacturers] 1 file
/14a	1976 Dec	[Papers re 'The Challenge of Industry', an Industrial Society conference at Hemel Hempstead School, including talk by P A Negretti on Dec 1/2] 1 envelope
/14b	1979 Jan	Aviation. Croydon College. [Re speech given at 'prize day' at the School of Technology of Croydon College by P A Negretti on Jan 31] 1 file
/15	1946-1962 Oct	Flowmeter correspondence – including Bristol Aircraft Company, [Rolls-Royce et al] 1 file
/16	1960-1965	--- untitled --- [Further flowmeter correspondence, including summary of design policy between 1958 and 1965, and repairs to Cobham factory] 1 file
/17	1959	Report by Air V-M Hutton on survey into the aviation instrument market 1 folder

#### 4      **Negretti & Zambra instruments etc.**

/1	1948-1964	[Re N & Z trade marks] 1 file
/2	1957 Feb-1961 Dec	Design policy [committee] meetings 1 file
/3	1959-1963	[N & Z specifications: technical bulletins, product literature (instruments for hospital sterilisers), instruction and maintenance manual for pneumatic controllers, resignation of R C Mills (compiler of manuals for instrument servicing) etc] 1 file
/4	1960-1964	[Meteorological instruments: Meteorological Office instrument design policy; meteorological instruments for Lord Glanville's circular house at North Uist; co-operation between N & Z and Casella; meteorological instruments on roof of head office and for a new Tower Hill office; revised N & Z meteorological instrument catalogue (1960); file on the <i>Argeco</i> weather forecaster (including infringement of N & Z's design)] 1 file
/5	1958-1959; 1958-1962	[A G Hinton's patent barometer; the Plessey Co's electrical hygrometer] 1 file
/6	1944-1959	"Gregory" Patent app.no.2 6488/45. [Correspondence, chiefly re humidity-measuring instruments, patents governing them, and agreement between Dr H Spencer Gregory, Physics Dept, Imperial College and N & Z concerning an electrolytic hygrometer (and royalty payments to him)] 1 file
/7	1951-1963	Alfred Holt (Carpmael & Ransford), [Correspondence re N & Z patents (chiefly re hygrometers) and their renewals and infringements, including that by Alfred Holt. Carpmael & Ransford were N & Z's patent agents] 1 file
/8/1	1880-1953	[Offprints from periodicals etc re scientific instruments. 16 items, including one (1880) by Joseph Warren Zambra, several by N & Z staff] 1 file
/8/2	-	[Negretti & Zambra publications (3): Negretti & Zambra's Pocket Spectroscope for observing the Rain-band/Prof C Piazz Smyth (8p) 1882; The Azimuth Clock (3p);

		Thermometric Lag ... (16p) 1952 reprint]
/8/3	[1877?]	Barometer Manual. Compiled by Admiral Fitzroy for the Board of Trade. [Copied and published by, and including numerous instruments of, Negretti & Zambra. 28p
/8/4	-	Instructions for fixing, adjusting and using the patent Helio-Chronometer. Sole makers: Pilkington & Gibbs Ltd, Preston
/8/5	1920	The National Physical Laboratory, Teddington, Middlesex. Physics Department. Optics Division. Tests and measurements taken, October 1920 [19p]
/8/6	1912 Jun 11	[Testing of Negretti & Zambra's Air Meter no.1010 against electrical cup anemometer by R M Lowne of the Lowne Electric Clock and Appliances Company Ltd. <u>With</u> advertisement for Lowne's Silver Medal or Portable Air Meter]
/8/7	1881	The Glycerine Barometer/James B Jordan Booklet, 19p
/8/8	1931	The Aneroid Barometer and Altimeter/R H Field, [and] The Field Use of the Aneroid Barometer/G C Cowper,[being] Department of the Interior, Canada, Topographical Survey Bulletin no.64 Booklet, 36p
/8/9	1900-1921	[Re rain gauge patents of Frank Lees Halliwell. He joined Negretti & Zambra ca.1920; they marketed his rain gauge as 'Natural Syphon' gauge. Comprises complete specification and drawing of 1900 May 12 for no.8809 for 'An Improved Automatic Recording Rain-gauge'; provisional specification of 1918 Nov 19, and complete specification and drawing of 1919 May 17 for no.134,074 'Improvements in Apparatus for Indicating or Recording the Rate ... of Rainfall; provisional specification and patent of 1920 May 11 and complete specification and drawing of 1921 Feb 11 for no.167,016 for 'Improvements in Self-recording Rain gauges] 1 file
/8/10	-	[Ts. papers re deep-sea thermometers by Clement, Breguet Saxton, Cavendish (from Phil.Trans. 1757), James Six (1778 & 1782), and Negretti & Zambra (1857-1912] 1 file
/9	1961 May	Manufacturers of electronic equipment and scientific instruments. [Report by] James Capel & Co, London.

		[ <u>With</u> addenda of 1961 Nov and 1962 Feb, and draft of 1962 Apr of brief survey of the industry] 1 file
/10	1954 Jun	The present position in electronic development. [Report by] Pidgeon & Stebbing, London 4p
/11	-	[Specifications (15) of Negretti & Zambra instruments]
/12	1960-1964	Price lists of products 1 file
/13	1957-1960	Design notes of new and proposed instruments (AM & AVM written on cover) 1 file

## 5 Earlier N & Z company history

/1	1920-1945	Works Organization. [Includes much detail re wartime staffing] 1 file
/2	1919 Feb-1920 Jul	[Notebook (for designs, estimates, letters etc) of Frank Short. <u>With</u> issue of <b>The Meteorological Magazine</b> (of 1921 Aug) containing article (pp.193-4) on mercury barometer for airships, made by N & Z for Air Ministry Instrument Dept]
/3	1930 Nov-1953 Sept	[Negretti & Zambra: photocopy of Partners' Minute Book] 1 file
/4	1971 Sept-1977 Jul	CHART [20 issues (1-22) of N & Z's in-house magazine which include articles on early company history]
/5	1920 Nov-1927 Feb	Mercury-in-Steel [Element Serial] T/100-T/5457. [Details for each, and customer, are given] 1 vol.
/6	1911-1912	Work Order Book
/7	-	Notebook of P E Negretti, giving details of N & Z partnerships, premises and profit while a private company c.1850-1946

## 6 Negretti & Zambra premises

/1	1867 Apr	The [construction] works at the site of the intended viaduct, Holborn Hill. [Shows premises of N & Z in Hatton
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		Garden] Photo of magazine illustration
/2	1940 Dec 29	[Album of photos (32 on 16 leaves), chiefly internal views, re bomb damage at 38 Holborn Viaduct. <u>With</u> envelope of 6 similar photos (loose) of external views] 1 vol
/3	1966 Jan/1969 Sept-Nov	Disposal of Chobham Grange property 1 envelope
/4	1957 Mar-1965 May	Extensions [etc] to Half Moon Works, [Islington] 1 file
/5	1961 Sept-1965 Sept	122 Regent Street - modifications [including Carrington & Co at no.130 and Montague Murton Ltd at no.114-120] 1 file
/6	1955 Jan-1959 Sept	Montague Burton (General). [Correspondence re Burton's premises at 114-120 Regent Street] 1 file
/7	1964 Oct-1965 Mar	Opening ceremony, Aylesbury [on 1965 Mar 12] 1 file
/8	1961 Jun-1967 Jan	Properties etc 1 file
/9	1964 Nov	Bond Street etc (Staff). [Chiefly correspondence re Bond St and Clifford St shops]
/10	1954 May-1967 Sept	Aylesbury. Property purchases and disposals etc.] 1 file
/11	1964-1967	Aylesbury Works and Office plans 1 bundle

## **7 Subsidiaries, agencies, associations, co-operations**

7/1		UK subsidiaries
1/1	1967-1978	Williamson. [Minutes of executive meetings, directors' reports, financial statements etc re Williamson Manufacturing Co Ltd] 9 files
1/1a	-	Course of lectures by H Williamson on Pneumatics and Pneumatic controllers 1 file

1/2	1963 May-1966 Sept	Visual Engineering reports etc re Visual Engineers Ltd] 1 file
1/3	1968-1970	[Re assorted business plans, including disposal of Visual Engineers Ltd, critical surveys of N & Z 1969 Apr-May, N & Z financial statements] 1 file
1/4	1939-1970	New Western Accounts & Minutes. [Includes balance sheet and accounts for S G Lockley and New Western (Engineering) Ltd 1939-1961 and similar for New Western (Engineering) Ltd 1962-1970, min-utes of directors' meetings 1959-1970] 1 file
1/5	1968-1969	Closure of New Western. [Balance sheets, minutes of directors' meetings etc re New Western (Engineering) Ltd] 1 file
1/6	1966-1969	C S Howard [and Sons Ltd, (binocular repairers). Trading accounts etc] 1 file
1/7	1973	P/H. [Re takeover bid for N & Z by Plantation Holdings Ltd] 1 file
1/8	1956-1967	Subsidiaries except New Western, Visual Engineers. [Includes papers re B Black & Son; Wilson, Warden & Co Ltd; S C Howard & Son Ltd; France, Italy & Portugal; and list of directors of subsidiary companies at Nov 1967] 1 file
7/2		Foreign subsidiaries/agents
2/1	1961 May-1973 Apr	N & Z Australia. [Chiefly correspondence re N & Z (Australasia) Pty. Ltd., including detailed survey report of 1963 Mar 25] 1 file
2/2	1962 Jan-1967 Apr/1972 Apr- Jun	N & Z Canada. [Correspondence, financial statements etc re N & Z (Canada) Ltd] 1 file
2/3	1957 Sept-1977 Jul	Continental (Holland). [Correspondence, financial records etc re N & Z Continentaal N.V., including some papers 1957-60 re N & Z - Benelux, and re the works at Zeist in

		Holland] 1 file
2/4	1946 Jul-1949 Jun	Portugal, Spain, France etc [Chiefly correspondence etc re business trip of P A Negretti in 1949 Jan-Feb to these countries] 1 file
2/5	1960 Oct-1978 Aug	Scandura, [Italy. Chiefly correspondence with Dott. Ing. Rosario Scandura & figlio, strumentazione industriale e scientifica, Milan and Genoa. Includes copy of the Scandura's report 'Proposed Italian development' of 1962 Sept re constitution of two new companies between themselves and N & Z] 1 file
2/6	1956 Jun-1973 Jul	Norwegian visit. [Chiefly correspondence re visit of P A Negretti to Norway in 1956 Jun, and with Sigurd Sorum] 1 file
2/7	1955 May-1978 Apr	South Africa. [Chiefly correspondence, balance sheets & accounts, etc. re N & Z South Africa (Pty.) Ltd.] 2 files
2/8	1957-1966	Foreign. [Miscellaneous] 1 file
7/3	Agencies, associations, co-operations	
3/1	1954 Sept-1966 Nov	Agents etc 1 file
3/2	1965 Jul-Oct	Applied Dynamics. [Re Applied Dynamics Inc/ Applied Dynamics Europe, Van Rietschoten & Houwens, Rotterdam, and particularly the analog computer market] 1 file
3/3	1956 Jul-1964 Sept/ 1970 Dec-1971 Jan	APV. [Chiefly correspondence with the A.P.V. Co. Ltd, Crawley, Sussex. Specifically includes papers re dairy machinery instruments] 1 file
3/4	1963 Aug-1973 Aug	Bestobell (India) Ltd. [Chiefly correspondence re Bell's Asbestos and Engineering (India) Private Limited. Includes brief summary of N & Z's relationship with Bestobell 1960-1968] 1 file
3/5	1960 Jun-1965	[British Automatic Co. Ltd. Correspondence, chiefly with

	Aug	Walter Cardy, re personal weighing machines] 1 file
3/6	1971 Oct-1972 May	Camille Bauer Measuring Instruments Ltd, [Switzerland. Correspondence, and draft of exclusive agency agreement of 1972 May] 1 file
3/7	1972 Dec-1973 Jan	Chas. Frank. [Re proposed acquisition of Charles Frank Ltd, Glasgow] 1 envelope
3/8	1956 May-1964 Jan	Electrofact, [N.V., Amersfoort, Holland. Chiefly correspondence re licensing] 1 file
3/9	1967 Aug-1970 Jan	Esterline [Corporation, New York] 1 envelope
3/10	1960 Nov-1964 Feb	Evershed & Vignoles, [Chiswick, London] 1 file
3/11	1960 Sept-1968 Jan	Foster. [Chiefly correspondence re possible acquisition of Foster Instrument Co.Ltd, Letchworth, Herts] 2 files
3/12	1968-1974	Geo.Kent. [Annual reports (1968, 1969, 1971) of George Kent Limited, Luton, Beds., and press cuttings] 1 envelope
3/13	1960 Feb-1976 Jul	Gluck, Russell, Vinten. [Re Gluck Engineering Co. Ltd., Camberwell, London; Russell & Sons (Scientific Instruments) Ltd, Crawley, Sussex; W Vinten Ltd] 1 envelope
3/14	1963 Oct-1973 Sept	Hagan. [Includes separate files 'Report on visit to Hagan Controls and Westinghouse Electric International' 1964 Dec; 'Hagan: the Boiler Control Division of N & Z Ltd, Budget & Report '65-'66' 1965 Apr; 'Hagan Sales Division Report' c.1965; 'Report on visit to Westinghouse Electric International, New York, Westinghouse Electric Corp, California, and Hagan Controls Corp, Pittsburgh' in 1965 Feb; and much correspondence] 1 file
3/15	1952 Jan-1958 Jul	Palmer Thermometer Co. [Chiefly correspondence, product brochures re Palmer Thermometers Inc., Cincinnati, Ohio] 1 file

3/16	1955 Jun-1956 Apr	[N & Z's interest in the Plastab Project of ICI Plastics and British Tabulating Machines. Reports etc. Particularly re weighing of powders] 1 file
3/17	1954 Apr-1967 Nov	W.C.F. [Includes reports by W C Fahie for N & Z on various companies, and correspondence with Fahie and with Reavell & Co. Ltd, including re the Reavell-Fahie valve] 1 file
3/18	1954 Jun-1957 Jun	Samuel Pegg (Helliwell). [Chiefly reports on Samuel Pegg & Son Ltd, Leicester, and correspondence with the Pegg company generally and G S Helliwell in particular] 1 file
3/19	1952 Oct-1960 Oct	Simmonds. [Correspondence re Simmonds Precision Products Inc (formerly Simmonds Aerocessories Inc), Tarrytown, New York] 1 file
3/20	1972 Jul-1973 May	Simmonds [Precision Ltd, Godalming, Surrey. Correspondence, including with Simmonds Precision Products Inc in the USA] 1 envelope
3/21	1946 Feb-1950 Nov/1954 Jun- 1958 Jan	Stråtveit & Schie. [Correspondence with two Norwegian engineers, Nils Stråtveit and Arne Schie, and with Sigrid Sorum, Oslo] 1 file
3/22	1966 Aug-1971 Aug	Telektron Phase Separations. [Correspondence re Telektron (Great Britain) Ltd, London, marine and industrial control engineers, and Phase Separations Ltd, Queensferry, Flintshire. <u>With</u> product brochure of Telektron pneumatic control systems] 1 envelope
3/23	1959 Jan-Apr	[Wallace & Tiernan Ltd, London. Correspondence etc re sensitive precision altimeter] 1 file
3/24	-	Certificate of membership of Scientific Instrument Manufactures Association of Great Britain
7/4	Files re customers	
4/1	1957 Nov-1977	Entertainment. [Chiefly correspondence re informal

	Oct	meetings, visits, dinners etc] 1 file
4/2	1971 Apr-Sept	[Rejected associations] 1 envelope
4/3	c. 1956-1974	[Correspondence, annual reports etc re over 40 companies, alphabetically arranged (and listed on front of file). Includes Memorandum and Articles of Association of the Leeds Meter Co.Ltd. 1932] 1 file
4/4	1960 Dec-1966 Oct	Competitors etc 1 file
4/5	1954 Feb-1960 Nov	[N & Z publications/publicity and competitors' pricings] 1 file
4/6	1952 May-1965 Dec	[Deliveries of N & Z products] 1 file
4/7	1948 Nov-1949 Dec/1956 Apr- 1974 Dec	Bond Street etc (Customers) 1 file
4/8	1964 Oct-1968 Jun	[Correspondence etc re S Briggs & Co. Ltd., Burton-on-Trent, Staffs, engineers in brewery and chemical plant] 1 file
4/9	1955 Sept-1965 Nov	Miscellaneous customer correspondence 1 file
4/10	1957 Jun-1973 Nov	Complaints. [Correspondence] 1 file
7/5	1955 Sept-1956 May	[Papers re founding of Company of Scientific Instrument Makers] 1 file
7/6	1971-1973	S.I.R.A, [Papers re Scientific Instrument Research Association. Includes cumulative index for SIRA Instrument Evaluation Reports for period 1963 to 1972 Oct. Booklet 'SIRA 1918-1968. Fifty years of instrument research' passed to main library bookstock] 1 envelope

## **8 General company publications**

8/1	1947-1950	The Recorder (incomplete)
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20 issues

8/2	1964-1965	Newsletters/Monthly letters, 370-384 (incomplete) 6 issues
8/3	1962	Aviation Division Quarterly 3 issues
8/4	1955-1956	Apprentices' Journals 7 issues
8/5	1953-1965	Menus and programmes from company dinners and exhibition luncheons etc.

Object no. 1995-619