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A2065 Papers of Hugh Creighton

*Acoustic consultant*

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|---|---|-----------------|
| 1 | Barbican: correspondence; noise measurement graphs and statistics; architects drawings; technical report on the Guildhall School of Music transmission of impact sound from walkways, 1978; technical drawings; copy of <i>Concrete quarterly</i> ; newspaper cuttings; black and white photographs of the interior of an auditorium; programmes  | 1961-4, 1973-83 |
| 2 | Barbican: correspondence; architects drawings; technical reports on flooring, sound absorption of perspex, wall panels and seating; notes; calculations; newspaper cutting on a production at the Barbican, noting the excellence of the acoustics, 1991  | 1966-79, 1991   |
| 3 | Barbican: correspondence; table listing acoustical treatment of music rooms for Guildhall School of Music and Drama; notes; calculations; sketches; report on noise and vibration measurements in the Royal Festival Hall, 1969; note from Peter Hall with regard to the theatre, 1966; technical report on acoustic testing of the Olivier Theatre auditorium, 1976; architects drawings   | 1966-80         |
| 4 | Barbican: 'Barbican redevelopment for the Corporation of London: phase V - arts centre: consulting services engineers report', Jul 1967; Barbican report 7: 'Engineer's report on noise and vibration from railway'; draft 'Report: recommendations for maintaining an adequate standard of insulation against noise and vibration from the LTB railway in the Barbican Arts Centre', Nov 1968; 'Design for the structure for the theatre: design assessment no 5', Jul 1969; 'Report on the design of the structure for the concert hall: design assessment no 10', Nov 1969; 'Report on the design and testing of a high quality speech reinforcement system, the evaluation of medium power music amplification systems and ancillary equipment' for the Barbican concert hall, Nov 1982 | 1967-82         |

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| 5  | Barbican: correspondence; report on a study of elements of the room acoustics in the Barbican concert hall, Jan 1981; typescript confidential 'Report by the acoustic consultant on future acoustic investigations and tests in the concert hall (with cost estimates by the quantity surveyors)', Apr 1981; draft report to the Barbican Committee on acoustic measurements in the concert hall model; final report on the acoustic model tests of the Barbican concert hall; report on acoustic tests, by Creighton, Jul 1980-Feb 1981; architects drawings; statistics; graphs; technical drawings; reports on tests of reverberation times | 1974-84             |
| 6  | Barbican - City of London School for Girls: correspondence; second report on acoustics; architects drawing; calculations   | 1962-71             |
| 7  | Barbican - Guildhall School of Music and Drama rehearsal rooms: correspondence; technical report 'Measurements of the sound absorption coefficients (ISO) of a sample of an acoustical panel', 1976; 'Guildhall School of Music and Drama: materials and performance specification for rubber bearing pads', Apr 1972; notes; calculations   | 1972-80             |
| 8  | Barbican - Royal Shakespeare Company rehearsal rooms: correspondence, architect plans  | 1982-3              |
| 9  | Barbican development booklets, 1959, 1968; technical drawings by Creighton   | 1959, 1968-78, n.d. |
| 10 | Bath Abbey: correspondence; typescript acoustic notes on the Abbey concerts, 1961; newspaper cuttings; technical drawings; sketches; black and white photographs   | 1959-61             |
| 11 | Beirut auditorium: correspondence; sketches; first and second reports on acoustics for auditorium; architects drawings; calculations   | 1964-5              |
| 12 | Birmingham School of Music: correspondence; first report on acoustics  | 1966-75             |

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| 13 | Birmingham School of Music: correspondence; copy of agreement for acoustic consultancy; minutes of meeting; report of assessment of structure borne vibration problems; typescript report of measurements of reverberation time in the Adrian Boult Hall; statistics; graphs; architects drawings; technical drawings; preliminary report on acoustics; centenary year souvenir programme for the Birmingham School of Music   | 1979-87 |
| 14 | British Library, London: correspondence; copy of the main findings of a report for the property services agency prepared by Dr G.M.Jackson on train induced and noise in the proposed new British Library, Mar 1979; copies of technical reports 'Measurements of the noise levels within the British Library, London, and the Oxford University Library, Oxford', on suspended ceilings, 1967, 'Effect of underground trains on the proposed British Library - report on vibration and noise measurement surveys', 1977, and 'Effect of underground trains on the proposed British Library - supplementary report on vibration and noise measurements in trial shafts on the site of the British Library, Euston', 1978; extracts from a British Library brief on environmental conditions; 'Relative locations of underground railways to various basements'; architects drawing | 1973-87 |
| 15 | Buenos Aires auditorium: correspondence; black and white photographs; calculations; journal articles, in Spanish; paper by Ing.A.Jacobo, outlining the features of the auditorium  | 1969-73 |
| 16 | Cambridge Music School: correspondence; copies of reports on design proposal, acoustics; architects drawings; technical drawings   | 1973-8  |
| 17 | Chichester Festival Theatre: correspondence  | 1967    |
| 18 | Congress Theatre, Eastbourne: correspondence; calculations; newspaper article; souvenir programme for opening concert, 1963; notes of a meeting to discuss sound absorption, 1961  | 1957-63 |

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| 19 | Crucible Theatre, Sheffield: correspondence; copy of a report on heating, ventilating and air conditioning services; graphs; minutes of a meeting relating to the auditorium ceiling; architects drawing; sketch of the sound-reflecting ceiling by Creighton; final design scheme for the theatre; report on the fitting out of the studio theatre; Report BS13 'The Acoustical design and performance of the Sheffield Crucible Theatre' by D.J.Oldham, Department of Building Science, University of Sheffield, Dec 1973 copy of <i>The Crucible</i> | 1968-73 |
| 20 | Derby Assembly Rooms: correspondence; notes; typescript report  | 1970-8  |
| 21 | Durham Cathedral: correspondence; typescript notes on the loudspeaker system  | 1966-76 |
| 22 | Festival Hall, Nottingham: correspondence; architects report and drawings; summary of work carried out by design team; feasibility report   | 1975-6  |
| 23 | Glasgow Concert Hall: correspondence; architects drawings; sketches; black and white photographs; copy of specifications for space; copy of 'Preliminary recommendations for precautions against the intrusion of external noise and vibration', May 1975; architects report on the new halls and centre for music and drama, Glasgow, Mar 1975; typescript paper on the acoustics of the Royal Scottish Academy of Music and Drama'  | 1970-7  |
| 24 | Glasgow Concert Hall: correspondence; '1:50 scale acoustic model tests (first configuration)' by M.Barron, 1985; 'A report on the civic halls and commercial development Buchanan Street/Sauchiehall Street, Glasgow' by Sir Leslie Martin, 1985; report on acoustic tests on the model of the interior of the auditorium   | 1985-7  |
| 25 | Hong Kong Concert Hall: correspondence; calculations; surveys of Victoria Park; architects drawings; black and white photographs; typescript note on acoustics of the concert hall and theatre in City Hall   | 1956-63 |

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| 26 | Keele University Chapel and St John's College chapel, York: correspondence; graphs; notes on acoustics of St John's College chapel   | 1964-8  |
| 27 | Liverpool (Anglican) Cathedral: correspondence; booklets about the Cathedral; typescript paper on the acoustics of the Cathedral   | 1964    |
| 28 | Liverpool Metropolitan (Roman Catholic) Cathedral: correspondence; typescript copies of epitome specifications for sound amplification system; notes, calculations; sketches of acoustic reflectors by Creighton; diagrams of acoustic sample  | 1961-79 |
| 29 | London Central Mosque: correspondence; architects drawings   | 1973-6  |
| 30 | Oxford University science area for zoology and psychology: correspondence; architects drawings   | 1965-9  |
| 31 | Queen Elizabeth Hall, London: correspondence; architects drawings and floor plans; journal articles; black and white photographs of auditorium; newspaper cuttings; programmes for concerts; typescript report on a visit to some European halls, Nov 1960; typescript report on acoustics of Queen Elizabeth Hall, Nov 1967 | 1960-73 |
| 32 | Queen's Hall, Edinburgh: correspondence; architect plans; technical report on acoustics from Herriot Watt University; notes from a post contract client/consultants meeting; programme for opening concert, 1979   | 1977-80 |
| 33 | Riyadh conference centre and hotel, Saudi Arabia: correspondence; architects drawings; notes of a meeting regarding the conference centre; copy of a general description of the conference centre and of a report on the sound system;   | 1967-75 |
|    | National Guard sports centre and mosque, Khasm Al-aan, Saudi Arabia: correspondence; typescript report on acoustics of club auditorium and mosque  | 1983    |

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| 34 | Royal Opera House and Rediffusion Headquarters, Malta: correspondence; notes; architects drawings  | 1953-4, 1956 |
| 35 | Royal Scottish Academy of Music and Drama: correspondence; technical reports; architects drawings; technical drawings; publicity booklet on the Academy; statistics; graphs; minutes of building meetings; notes; typescripts of progress and first report on acoustics; notes on a visit to the Guildhall of Music and Drama; a report on the detailed building design, acoustics and sound insulation, 1984; 'Brief for performance and technical spaces', 1982; 'An assessment of the final acoustical measurements' by Creighton and Robin Mackenzie, 1988 | 1982-8       |
| 36 | Royal Shakespeare Theatre, Stratford-upon-Avon: correspondence; graph; report on auditorium ventilation by consultant engineers, Jan 1967; plan of section of centreline   | 1967-72      |
| 37 | Sadler's Wells Theatre, London: correspondence; technical data; architects drawings and technical diagrams; copy of <i>Studies for redevelopment</i> booklets; notes; tickets for performance  | 1982-5       |
| 38 | St Albans City Hall and Council Chamber: correspondence  | 1964-8       |
| 39 | St Paul's Cathedral, London: correspondence; architects drawings; technical drawings by Creighton  | 1962         |
| 40 | Salisbury Cathedral: correspondence; sketch plans; technical diagrams for cabling; booklets; notes   | 1968-71      |
| 41 | Sixth Buddha Sasana Council Cave, Rangoon, Burma: correspondence; block schematic drawing of sound reinforcement equipment; drawing of elevations of building and plan of auditorium by Creighton and Hope Bagenal relating to the acoustics; typescript report of discussions on the acoustical treatment of the Sixth Buddha Sasana Council Cave   | 1953         |

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***Publication and research material***

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| 42 | Publications by Creighton: index card with list of journal articles by HC, 1988; typescript of 'The design of platforms for orchestras and choirs'; review; journal articles; Department of Scientific and Industrial Research Building and Research Station note 'The calculation of reverberations time', 1951; 'The design of buildings for musical tone', Jun 1952; correspondence   | 1951-88 |
| 43 | Sound insulation, noise: journal articles, including on assisted resonance in the Royal Festival Hall, railway noise, traffic noise, office and industrial noise; technical reports on assisted resonance'; <i>Speech privacy in open plan offices</i> ; 'Design recommendations for acoustics'; <i>Noise: fighting the most widespread industrial disease</i> ; draft British standard code of practice on noise control on construction and demolition sites; National Physical Laboratory Applied Physics Division 'A further experiment on judging the noise of aircraft in flight' by J.M.Bowsher, D.R.Johnson and D.W.Robinson; Ministry of Technology Building Research Station Library Communications: 'Protection against traffic noise' by F.J.Meister, Feb 1965, 'The propagation and suppression of road traffic noise in built-up areas' by A.Rucker and K.Gluck, Sep 1965 and 'Noise levels near motorways in non-built-up areas' by C.Lamure 1965-71 and S.Auzou, Sep 1965; Department of the Environment Directorate of Research and Information <i>Sound insulation in buildings :cost and performance of walls and floors</i> by H.R.Humphreys and D.J.Melluish (1971) | 1965-71 |
| 44 | <i>Architects Journal</i> , 18 Aug 1982; <i>The Architectural Review</i> , Oct 1981; <i>CUE Technical Theatre Review</i> , May-Jun 1981  | 1981-2  |