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Papers of Keith Rose

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| 1 | Acoustics, general: journal articles, including relating to noise through floors, sound insulation of dog kennels, insulation of windows, loudspeaker systems, acoustical aspects of cocktail parties, infrasound, architectural acoustics | 1953-90 |
| 2 | Acoustics, general: copies of journals, including <i>British Journal of Audiology</i> , <i>Noise and Vibration Bulletin</i> , <i>Noise/News</i> ; journal articles; Department of Trade and Industry reports from Scientific Counsellors 4 <i>Technology and the environment</i> ; 'Planning, environmental health and noise principles and practice' by D.J.Appleby; <i>Sound intensity</i> : three papers presented by Bruel and Kjaer at the Senlis Congress on Sound Intensity, 1981; 'Pollution research and the research councils': sixth report by the Research Councils, Jan 1979; <i>Thirty years on: a review of air pollution in London</i> : a discussion paper by the Greater London Council, 1983; Environmental and human factors in engineering: papers from a technical meeting of the University of Southampton Faculty of Engineering, Institute of Sound and Vibration Research with the Society of Environmental Engineers, Apr 1967; lecture summaries and meeting notice of an international conference on acoustic emission and photo-acoustic spectroscopy, 1981 | 1967-83 |
| 3 | Acoustics of auditoriums: journal articles | 1914-95 |
| 4 | Aircraft and transport noise: journal articles; University of Salford Acoustics Group report 'Insulation against aircraft noise' by R.D.Ford and G.Kerry, May 1973; typescript paper 'Highway noises and their effect on residential areas' by F.J.Langdon; copy of a Building Research Station current paper Designing against noise from road traffic by W.E.Scholes and J.W.Sargent; letter from Henry R.Humphreys; typescript paper 'Acoustics committee statement on the protection of studios against aircraft noise'; 'Sonic boom considerations in the operation of supersonic transport'; notes; copy of NHK Laboratories Note 'Procedure for estimating aircraft noise around an airbase' by Senichi Furukawa, Fumiyoshi Sasaki and Guen Nishinomiya;; typescript papers on the implications of the Wilson and Buchanan reports; paper from the | 1961-73 |

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- Transport and traffic symposium, University of Southampton, containing extracts from the Wilson report; typescript report on a demonstration at RAF Upwood Station of a sonic boom; typescript paper on frequency distribution of energy in a sonic boom
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| 5 | Bibliographies: list of books for thesis entry; lists of material in RIBA library | 1957-61 |
| 6 | Broadcasting and TV general: journal articles; Technical Monograph 19 <i>Acoustical design of the new NHK Hall</i> by Teruji Yamamoto, Minouru Nagata and Harutoshi Tsukuda (Mar 1972); IBA engineering code of practice for independent local radio, 1984; IBA code of practice for independent local radio studio and outside broadcast performance; IBA radio technical consultative committee 'ILR and acoustics - the reality': note by C.P.Daubney; 'Engineering for independent local radio' | 1962-88 |
| 7 | Broadcasting studios: journal articles; pre-print of 'A studio with variable acoustics for multitrack recordings' by D.Popescu: paper presented to the 75 th convention of the Audio Engineering Society; pre-print of 'The design and construction of radio stations in the UK and abroad to current UK acoustic specifications' by Courtenay R.Nicholas: paper presented to the 82 nd convention of the Audio Engineering Society, 1987; technical recommendations from Damarks Radio-Norsk Rikskringkasting-Rikisutvarpid-Sveriges Radio-Yleisradio on loudspeaker listening conditions in sound control rooms | 1942-93 |
| 8 | Cinemas: journal articles | 1954-67 |
| 9 | Concert halls: bound original typescript, with photographs and illustrations pasted in of Rose's <i>Behaviour of sound in concert halls</i> | 1959 |
| 10 | Concert hall design: journal articles; 'Integration of acoustics and architecture in the auditorium at the Metro Toronto Convention Centre' by Ray Van den Broeck, Paul S.Veneklasen and Associates; National Research Council Canada Division of Building Research research paper 'Acoustical design of the Alberta Jubilee Auditoria', 1958; 'New methods of architectural investigations to evaluate the acoustic qualities of concert halls' by G.Plenge, R.Kurer, | 1957-94 |

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P.Lehmann, R.Wettschureck and H.Wilkens: paper presented to the meeting of the Acoustical Society of America, 1973; 'The acoustics of the Philharmonic Hall, Lincoln Center for the Performing Arts', 1959; 'Acoustics of the Frederic R.Mann Concert Hall, Tel Aviv, Israel' by Leo L.Beranek with plans of elevations of the concert hall; publicity folder relating to the Place des Arts, Montreal

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| 11 | Conference halls: journal articles | 1958-95 |
| 12 | Churches and cathedrals: journal articles, including a series from the <i>Architects' Journal Information Library</i> ; booklet on the cathedral church of St Michael, Coventry; black and white photograph of St Andrew's Church, Ruislip used in the <i>Architects' Journal</i> | 1952-79 |
| 13 | Helmholtz resonators: copy of a typescript paper 'The damping of eigentones in small rooms by helmholtz resonators' by F.J.v.Leeuwen, with mathematical calculations and graphs | n.d. |
| 14 | Music Industry Employment and Training Survey: community music part one: sound studio survey | n.d. |
| 15 | <p>Nato-Marina Italiana Advanced Study Institute on Stochastic Problems in Underwater Sound Propagation, Lerici:</p> <p>(i) Professor Maurice Bouix 'Solution de l'equation du son avec des sources a distance finie et dans un espace forme de deux ou plusieurs milieux';</p> <p>(ii) J.L.Brown 'Representation and approximation of bandlimited signals and noise fields';</p> <p>(iii) A.Castanet 'Digital techniques of analysis for underwater sound studies';</p> <p>(iv) Benjamin F.Cron and Ronald R.Kneipfer 'Theoretical and experimental array gains obtained with the Meromoz processor on a bottom-mounted vertical array';</p> <p>(v) Marc Davio 'Variable level correlators';</p> <p>(vi) B.Escudie 'Notion d'ambiguite performance des signaux a large band';</p> <p>(vii) Harold K.Farr 'Power spectrum of a back scattered doppler signal';</p> <p>(viii) L.Fortuin 'Impulse response on a random medium';</p> <p>(ix) G.Garampon 'Signaux aleatoires et ambiguite';</p> <p>(x) R.Gastmans 'Space and frequency correlation of waves in a random medium and the inverse problem';</p> | 18-23 Sep 1967 |

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- (xi) Martin Grutzmacher 'A mechanical fourier-analyser and some examples of its application';
 - (xii) R.Laval 'Conference problems in underwater acoustic propagation';
 - (xiii) J.de Lustrac 'Mecanisme de formation des echos acoustiques de corps creux immerges';
 - (xiv) Jacques Max 'Les correlateurs automatiques en temps reel: - une nouvelle generation d'appareils de mesure';
 - (xv) Edith Mourier 'Problemes de detection et de reception de signaux deforms par le melanges a du bruit';
 - (xvi) K.Ossenberg and A.Schief 'A special type of correlator';
 - (xvii) D.J.Parkes and M.Pazzini 'Experimental study of coherence in underwater acoustics';
 - (xviii) T.N.Reynolds 'Abberations in echo ranging systems';
 - (xix) R.O.Rowlands and R.G.Quinn 'The spacing of underwater arrays for a diversity reception acoustic telemetering system';
 - (xx) P.W.Smith and I.Dyer 'Reverberation in shallow water sound transmission';
 - (xxi) James L.Stewart and Marshall K.Brandon 'Random medium ? Correlation loss ?';
 - (xxii) Robert J.Talham 'Internal structure of the noise field';
 - (xxiii) R.S.Thomas 'Limitations imposed on signal processing in near surface echo ranging systems by a time varying medium and target and by reverbeation';
 - (xxiv) D.G.Tucker 'The spatial correlation of reverberation the correlation due to mutual coupling and their implications for digital sonar';
 - (xxv) G.Vettori, C.Barbalonga and E.Cernich 'Characteristics of cylindrical arrays for broad-bamd signals';
 - (xxvi) G.Ziehm 'Correlation analysis of sonar signals by a computer: theory, programming, instrumentation, results';
- notes

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Noise control: journal articles; Department of the Environment advice leaflets; Factory Building Studies *Noise in factories* by A.G.Aldersey-Williams (HMSO, 1960); typescript memorandum from T.Somerville, Research Department, Kingswood Warren on piling operations, 21 Mar 1961; 'Noise and vibration nuisance inside buildings' by P.Grootenhuis and P.H.Allaway: paper presented at the Society of Environmental Engineers Symposium,

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- 1971; 'A realistic criterion for train noise ?' by Colin Stanworth, British Rail Research: paper to the Institute of Acoustics annual conference, 1991; copies of a data sheet and graph from a noise survey at Langham Place, London, 1961
- 17 Noise control: two drafts of the Noise Council working party guide to noise units; second draft of the Noise Council entertainment noise working party code of practice for outdoor pop concerts; journal articles; letter from Dr Robert Chivers to Alison Hill, 1999; advisory leaflet on reducing noise in buildings 1969-99
- 18 Reverberation times of typical school classrooms and lecture halls: journal articles 1954-97
- 19 Royal Festival Hall acoustics: journal articles; graphs of reverberation times; BBC symphony orchestra programme, 1962 1953-69
- 20 Scale models for acoustic design: journal articles; notes on an article relating to sound in miniature; 'The subjective assessment of studio quality from model studies' by A.N.Burd and H.D.Harwood; 'Scale models as aids to studio and concert hall design'; draft of a paper on scale models for acoustic design of studios 1963-8
- 21 Sound, general: media manual *The use of microphones* by Alec Nisbett (London and New York, 1974); The noise at work regulations, 1989: Controlling noise; delegate's information folder for the Institute of Acoustics visit to the Royal Academy of Music, 1994; *Sound insulation of partitions in Broadcasting Studio Centres: field measurement data* by K.E.Randall, D.J.Meares and K.A.Rose: BBC Research Department Engineering Division, Oct 1986; 'Current trends in auditorium design for music II' by John Rushby-Smith, 1987/8; 'Sound reduction measurements: Rockwool International A/S'; *Design for sound*: Woods Fans Limited; *New housing and road traffic noise: a design guide for architects* (HMSO, 1972); Transport and Road Research Laboratory Supplementary Reports: *some analytical considerations arising from dynamic tests on the Cleddau Bridge at Milford Haven* by R.W.Traill-Nash (1978), *Measurement and analysis of traffic-induced vibrations in buildings* by D.J.Martin, P.M.Nelson and R.C.Hill (1978) and *Low frequency traffic noise and building vibration* by D.J.Martin 1962-94

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(1978); *Hygienic aspects on the use of sound absorbers: field studies in the food industry hygiene, cleaning properties, mounting methods, etc.* by Hans Bradenmark and Hans Elvhammar, May 1986; Building Research Establishment Current Paper *The control of noise from fixed premises - some case histories* by W.A.Utley and T.W.Heppell (Mar 1978); 'Lead for sound insulation' a booklet by the Lead Development Association; *More than an opera house*: booklet on the Sydney Opera House and specification and background notes on the Opera House; folder of information on the new music studio BBC Manchester Network Production Centre; copies of journals: *Performing Arts in Canada*, 1983, *New Scientist*, 1962, *Architecture Today*, 1994; RIBA Journal, 1964

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| 22 | Sound insulation: journal articles; copies of the Building Research Station digest; 'Scale model study on sound propagation in building structure' by Y.Matsuda, H.Tachibana and K.Ishii: paper to the Tenth International Congress on Acoustics; booklet <i>Sound insulation in your home</i> ; Building Research Station current papers: <i>The transmission loss of multi-layer structures</i> by B.H.S.Sharp and J.W.Beauchamp; <i>Rubber in building: acoustics, sound insulation, anti-vibration and thermal insulation</i> issued by the British Rubber Development Board; <i>The missing links in the planning of sound insulation in buildings</i> by Gunnar O.Jorgen (Oslo, 1963) | 1953-88 |
| 23 | Sound insulation materials: journal articles, including on fibre glass, the properties of suspended ceilings and mineral wool | 1962-72 |
| 24 | Studios and concert halls: European Broadcasting Union technical report <i>Use of acoustical scale-models for the study of studios and concert halls</i> ; BBC research department studio group technical memorandum 'Acoustic scaling: an investigation using a one-fifteenth scale model'; reprints of articles from the <i>Proceedings of the Institution of Electrical Engineers</i> ; 'Acoustic design of broadcasting studios' by Sandy Brown; BBC Engineering Division Monograph <i>Data for the acoustic design of studios</i> by A.N.Burd, C.L.S.Gilford and N.F.Spring; BBC engineering division research department technical report <i>A consideration of aircraft noise and studio roof insulation</i> ; BBC Engineering Division | 1950-69, n.d. |

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Monograph *Sonic booms and other aircraft noise in studios; Theory and use of architectural acoustical materials* by :Paul E.Sabine; *Sound absorption coefficients of acoustical materials*; Centre Georges Pompidou brochure; copy of the Journal of the Acoustical Society of America, 1966

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| 25 | Television centre design: journal articles; BBC Engineering Division 'A guide to the planning of television production facilities'; European Broadcasting Union <i>50 years of television: ebu review</i> , 1986; copy of Research Report PH-5 'Psychoacoustic criteria for background noise and sound insulation in broadcasting studios' by C.L.S.Gilford and D.K.Jones; report of a visit to New York and Ottawa by D.E.L.Shorter, research department | 1958-94 |
| 26 | Theatre design: journal articles, including relating to the Liverpool Playhouse, the Abbey Theatre, Dublin, Chichester Theatre | 1940-97 |
| 27 | Vibration control in buildings: journal articles; pamphlet; newspaper cutting | 1960-73 |
| 28 | Windows and sound insulation: journal articles; Building Research Station booklet | 1961-7 |