

MS 337

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Papers of the British Acoustical Society and Dr R.Stephens

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| 1   | <p>Correspondence of Stephens; details of University of London scholarship examinations; calculations on the back of a RAF examination paper;<br/> Chelsea Polytechnic letter appointing Stephens a lecturer, lecturers' notes and conditions of appointment;<br/> the British Rheologists' Club list of members, <i>Bulletin</i>, Mar 1947 and 1949, and circular;<br/> programme of work proposed for V.Timbrell on the effect of high frequency air vibrations on aerosols under different conditions;<br/> general survey of experimental work on de-icing; 1942;<br/> general survey of experimental work to date on de-icing, 1942; 'Some remarks on the physical aspects of the aircraft icing problem' by A.R.Stickley, US Weather Bureau; 'Report on experiments on the formation of ice from water clouds, carried out at the Ditton Laboratory' by J.K.Hardy, K.C.Hales and G.Mann, Feb 1941; 'Microscopic measurement of the size of natural fog particles' by H.G.Houghton and W.H.Radford; pages 2-14 of a paper on experiments relating to fog;<br/> programme for an Institute of Physics conference, London, 1947;<br/> carbon copy of a Association of University Teachers draft statement for secrecy in university research work, Jan 1949;<br/> reprint of an article on the atom;<br/> typescript paper 'Energy: the dissipation of power'</p> | 1920-49 |
| 2/1 | <p>Correspondence of Stephens;<br/> copy of <i>The Times</i> Review of the progress of science, Apr 1950;<br/> programme of meetings of the RPS Scientific and Technical Group, 1951-2;<br/> memorandum of a meeting of the Canda Manufacturing Company, 1951, which had been approached with regard to permitting the National Physical Laboratory access to premises to undertake experiments;<br/> minutes of the meeting of the Physical Society, 28 Mar 1952;<br/> agenda and minutes of the applied physics sub-committee of the Regional Advisory Council for Higher Technological Education, 1953;<br/> carbons and typescripts of papers: 'Problem'; 'Measurement of inductance by means of Owen's Bridge'; 'Introduction to a tentative outline of a physical science course'; 'Metalurgy'; and for a paper on the development of a method suitable to measure the velocity</p>  | 1950-3  |

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of sound through rubber; notes;  
 unrevised proof for 'Practical examinations in physics'  
 by J.H.Brinkworth;  
 list of delegates for the VIIIth international conference  
 on low temperature physics

2/2

Correspondence of Stephens;  
 copy of a Air Ministry Flying Personnel Research  
 Committee report on an investigation of ear defenders,  
 Jun 1954;  
 The Physical Society, Acoustics Group leaflet for a  
 symposium on analysis, synthesis and recognition of  
 speech, 1954, agenda of and minutes of meetings,  
 suggested subjects for a programme of meetings, 1955/6;  
 off-print of an article from *Machinery*, 1 Jan 1954;  
 programme and bibliography for a University of London  
 course "Trends in physics research and teaching", Apr  
 1955;  
 programme and general details for a symposium "Sound  
 and vibration in solids", Göttingen, Apr 1955;  
 Imperial College of Science and Technology Mechanical  
 Engineering Department report number 1: 'Measurement  
 of floor vibrations in the strength of material laboratory  
 in the "transit camp"' by P.Grootenhuis, Mar 1956;  
 brochure for the Third international congress on high  
 speed photography, Sep 1956

1954-6

2/3

Correspondence of Stephens;  
 outline of a course of lectures on acoustic materials and  
 their application in noise control;  
 typescript report on investigations of gas cylinder noise;  
 reprint of an article on the university education of the  
 electrical engineer by K.J.R.Wilkinson;  
 The Physical Society flyers for lectures, list of exhibits  
 by the Acoustics Group at the Society exhibition, 1957,  
 regulations of Acoustics Group, *Bulletin*, Feb 1957, list  
 of members of the papers committee, 1958, minutes of  
 meeting of papers committee, 1958;  
 booklet with registration form for the 10<sup>th</sup> International  
 congress of refrigeration

1957-9

3/1

Correspondence; manuscripts notes relating to Stephens,  
 detailing a research project; circulars for meetings;  
 copy of 'The reproduction of sound' by Edward E.David  
 from *Scientific American*, Aug 1961;  
 booklet and programme for the official opening of the  
 McFadzean Laboratory, 16 May 1961;  
 memorandum to the organising committee of the eighth  
 international congress of acoustics;

1960-1

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paper outlining possibilities of research into high amplitude waves in liquids;  
circulars relating to meetings;  
abstract of papers and list of participants of symposia

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| 3/2 | <p>Correspondence;<br/>memorandum of agreement between the Director of the Atomic Energy Research Establishment and Imperial College of Science and Technology, Aug 1962;<br/>typescript Department of Scientific and Industrial Research report of the Department of Physics, Imperial College, and Report 2 of the Physics Department 'Pressure-release material' by G.G.Parfitt and J.D.Rands;<br/>journal articles;<br/>The British Society of Rheology bulletin;<br/>papers of the Fourth International Congress on Acoustics;<br/>circulars</p>                           | 1962   |
| 3/3 | <p>Correspondence;<br/>typescript Department of Scientific and Industrial Research report of the Department of Physics, Imperial College;<br/>promotional booklet for homes in Japan;<br/>'Critical notes on the applicability of airborne and liquid-borne sounds to industrial technology';<br/>list of academic staff at the Department of Physics;<br/>journal articles;<br/>minutes of the annual general meeting of the British Institute of Recorded Sound Limited;<br/>report of the committee of the Institute of Physics and the Physical Society acoustics group</p> | 1963   |
| 3/4 | <p>Correspondence;<br/>flyers for the acoustic group colloquium, for lectures and seminars;<br/>Conference on Acoustics of Solid Media bulletins;<br/>preliminary programme for the 1964 Symposium on Sonics and Ultrasonics;<br/>minutes of evidence taken before the House of Commons committee on the Welsh Shipping Agency</p>  | 1964   |
| 4/1 | <p>Correspondence;<br/>circulars for lectures and seminars<br/>note on the proposed British Acoustical Society, proposed constitution and rules, programme;<br/>journal articles;<br/>report of a visit to Services Electronics Research Laboratory, Baldock;<br/>programme and list of delegates for conference</p>  | 1965-6 |

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| 4/2 | <p>Correspondence;<br/>press release<br/>typescript and manuscript papers,<br/>summaries of papers for the British Acoustical Society<br/>symposium on the human effects of ultrasonic radiation;<br/>notes on BNC for NDT symposium on the coupling of<br/>ultrasonic probes to hot surfaces;<br/>journal article;<br/>Ministry of Technology British national conference on<br/>the technology of the sea and the sea-bed, Apr 1967;<br/>British Society of Audiology interim constitution and<br/>minutes of council;<br/>carbon copy of a lecture on underwater acoustics</p>  | 1967 |
| 4/3 | <p>Correspondence;<br/>agreement between the Minister of Technology and<br/>Imperial College;<br/>proposals for work on stress-wave emission from<br/>adhesive joints;<br/>Groupement des acousticiens de langue francaise note<br/>d'information;<br/>British Acoustical Society circulars, proposed timetable<br/>for officers of the society and agenda for council meeting,<br/>details of forthcoming meetings, summary of papers for a<br/>meeting, May 1968<br/>Institution of Mechanical Engineers group discussion<br/>papers, notes of meeting on 'daughter' societies, working<br/>rules for association with smaller institutions and<br/>societies;<br/>typescript Who's who in medical engineering;<br/>aims and objects of the Society for Underwater<br/>Technology;<br/>programme for a Bioacoustics discussion group meeting,<br/>Cardiff and for meeting on various physical aspects of<br/>cavitation<br/>copy of the honorary treasurer's report for the meeting of<br/>the council of the British Acoustical Society</p> | 1968 |
| 4/4 | <p>Correspondence;<br/>comments on Størrelser og enheter I Fysikken by<br/>O.Øgrim;<br/>booklet on applied acoustics at Chelsea College of<br/>Science and Technology;<br/>programme of the Society of Environmental Engineers;<br/>Groupement des acousticiens de langue francaise note<br/>d'information;<br/>circulars, agendas for meetings</p>  | 1969 |

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| 5/1 | Correspondence;<br>programme, summaries of papers for the Seventy ninth meeting of the Acoustical Society of America, Atlantic City, Apr 1970;<br>programmes for seminars and meetings, including the Institute of Physics acoustics group meeting on acoustic emission, 14 Mar 1972;<br>abstracts of papers for American Society for Engineering Education annual meeting, 21-4 Jun 1971  | 1970-2     |
| 5/2 | Correspondence;<br>British Acoustical Society newsletter and circulars,<br>papers for meetings, minutes of council<br>circulars for the British Institution of Radio Engineers   | 1973-4     |
| 5/3 | Correspondence;<br>minutes of meetings, including of the Imperial College exploration board, 1 Dec 1976, and of physical acoustics group committee, 24 Nov 1977;<br>Institute of Physics materials and testing group meeting on absorption of sound and vibration;<br>conference programme on Physical and metallurgical aspects of acoustic emission;<br>abstract of paper on the changing role of the expert by Leo L.Beranek  | 1975-9     |
| 6/1 | Correspondence;<br>circulars for meetings;<br>text of the A.B.Wood Memorial Lecture  | 1980-1     |
| 6/2 | Correspondence;<br>list of delegates of the Institute of Acoustics spring conference, 1982;<br>report of research of Wolfgang Sachse;<br>programme and list of delegates of the eleventh international congress on acoustics;<br>Society of Environmental Engineers newsletter;<br>circulars for conferences;<br>agenda and minutes of the Ultrasonic advisory editorial board meeting, Dalhousie University, Canada;<br>booklet on the Institute of Industrial Science, University of Tokyo, with manuscript notes by Stephens enclosed | 1982-4     |
| 6/3 | Manuscript and typescript papers and notes, some by Stephens, including 'The problem of vibrations in laboratories' by R.J.Steffens; 'Quieter pile driving': a paper presented by W.Semple to a meeting on construction noise, 8 Feb 1973, 'Physical properties of gases by acoustical techniques' by R.W.B.Stephens;  | n.d., 1973 |

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constitution and rules, aims and objectives of the British Acoustical Society;  
circulars

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Booklets, including the prospectuses of the Wandsworth Technical Institute, 1930-1 and 1931-2 and of Sir John Cass Technical Institute, 1947-8, regulations of the diploma and syllabus for the Plastics Institute examination, 1956, and *Acoustics of musical instruments: a list of research activities in the UK*, 1974;  
Off prints of journal articles; including *Proceedings of the Institute of Acoustics* and copies of journals, including *The technical journal*, 1932-4;  
*Report on attendance at an international colloquium on infrasound*, Paris 1973;  
*Model municipal noise control by-law*: final report by the Canadian Ministry of the Environment, 1978  
preprints of papers from the fifty eighth conventions of the Audio Engineering Society

1930-82