

Institute of Acoustics

Spring Conference of the Institute of Acoustics 2005

“The Heart of Building Acoustics:
What Makes it Tick?”

Proceedings of the Institute of Acoustics
Volume 27, Part 2

April 19-20, 2005
Oxford, UK

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60423-991-1

Some format issues inherent in the e-media version may also appear in this print version.

ISBN: 978-1-60423-991-1

Copyright (2005) by the Institute of Acoustics.
All rights reserved.

For permission requests, please contact the Institute of Acoustics at the address below.

Institute of Acoustics
Proceedings
77A St Peter's Street
St. Albans Hertfordshire
AL1 3BN
United Kingdom

ioa@ioa.org.uk

Institute of Acoustics
Spring Conference
Heart of Building Acoustics: What makes it Tick?
2005

TABLE OF CONTENTS

RETROSPECTIVE ROOM ACOUSTICS	1
<i>H. Kuttruff</i>	
THOUGHTS ON THE ROOM ACOUSTIC ENIGMA: THE STATE OF DIFFUSION	N/A
<i>M. Barron</i>	
THE ACOUSTIC DESIGN OF THE OPERAEN COPENHAGEN	10
<i>R. Harris</i>	
PHASED AND DIFFUSED: THE PROBLEM OF MEASURING AND DESIGNING SEMI-IREVERBERANT, PARTLY DIFFUSED SPACES	19
<i>A. S. Munro</i>	
NEW WAYS FOR SEEING AND HEARING IN STUDIO DESIGN	33
<i>I. Thompson, I. Knowles</i>	
A CASE STUDY REPORTING THE DESIGN AND CONSTRUCTION OF THE NEW DRAMA STUDIO AT BBC BROADCASTING HOUSE	39
<i>M. Gaudet</i>	
CREATING VALUE THROUGH SUSTAINABLE DESIGN	55
<i>C. H. Peyton</i>	
SUSTAINABLE DESIGN IN ACOUSTICS	56
<i>J. R. Cowell</i>	
A SURVEY OF CLASSROOM ACOUSTICS AND REMEDIAL TREATMENTS	62
<i>A. L. Carey, B. M. Shield, J. E. Dockrell, K. Rigby</i>	
SOUND INSULATION AND VENTILATION IN SCHOOLS – A COORDINATED APPROACH	73
<i>A. Parkin, R. W. Gregory</i>	
SCHOOL MUSIC ROOMS - DESIGNING BEYOND BB93	78
<i>A. James, A. Thompson, I. Rees</i>	
THE EFFECTS OF NOISE ON EDUCATION IN URBAN SCHOOLS	87
<i>B. Shield, J. Dockrell</i>	
BUILDINGS – HOW THEY SOUND	100
<i>M. Vorländer</i>	
ROBUST DETAILS – THE FIRST SIX MONTHS	109
<i>P. R. Dunbavin</i>	
ROBUST DETAILS – AN INSPECTORS VIEW	118
<i>E. H. Clarke</i>	
AUTHOR INDEX	