

CARR & ANGIER

Theatre Consultants

Information Pack
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Profile

THE CARR & ANGIER THEATRE CONSULTANCY PRACTICE

Carr & Angier offer professional advice on a wide range of subjects associated with buildings for the performing arts, conferences, and multiple-use. This includes feasibility studies, briefing, schedules of accommodation, general planning, detail planning and full technical information for all specialist lighting, sound, communications and stage engineering installations.

The independent theatre consultancy of Carr & Angier was formed in 1974. It was a development of a practice started by Martin Carr in 1965 and built up after he was joined by Peter Angier in 1970. Martin Carr has now retired as a partner, but is available as a consultant to the business.

Both founding partners had over ten years working experience in the theatre, including major companies and venues in the UK and abroad. This grounding in practical theatre work has been an important criterion in selecting the people who have joined the business as it has grown. All the main members of the practice are also members of the Association of British Theatre Technicians and Society of Theatre Consultants.

The business has now been operating for more than twenty five years, and a reputation has been established for the high quality of service provided by the firm in which personal attention is given to every project no matter what its size, and senior members remain throughout the job the point of principal contact for the Client and the Design Team. To maintain this reputation and to produce a recognisable consistency in the standard of output, the size of the practice has deliberately been kept as small as is compatible with the workload, which, nevertheless, has embraced projects of every size and type from the smallest school hall up to the largest of international complexes. This policy stems from the long-held belief that the highly specialised knowledge offered about theatres and similar arts and entertainment facilities is essentially personal, and must be backed by direct working experience in the business.

The practice is not in competition with architects, acousticians or engineers, though its members have a good working knowledge of these disciplines as they apply to arts projects; we prefer to confine the firm to its two main functions, the first of which is to interpret the particular requirements of the "performing" world in terms that can readily be understood by other Design Team members, from auditorium planning to the details of dressing rooms, and secondly to plan and oversee all the technical installations special to these types of building.

Although the title "theatre" has been retained in this specialist consultancy, in fact the practice handles all types of buildings which contain an auditorium or a place of public assembly, or the technical facilities to service theatre and the wider fields of entertainment, education and commerce. Thus the list of completed projects includes Conference Centres, Cinemas, Concert Halls, Exhibition Galleries, Arts Centres, Sound Recording and Television Studios, Leisure Centres and Educational Facilities as well as theatres.

All this experience can be called upon to provide a wide frame of reference for each project. In a similar way, recognising that few Clients at the outset of any project will have a firm idea about their requirements, the Practice has given particular attention to the development of imaginative concepts and the preparation of comprehensive briefing documents, and now has a considerable reputation for work in this field both at home and abroad. This knowledge can also be invaluable as a ready source of information as a design progresses.

Early work is followed up by a solidly professional service during the design development and construction phases, providing planning and technical detail to the Design Team, and extensive practical know-how on site, while always keeping in view the ultimate aims of the Client.

After completion and commissioning we do not treat handover as a cut-off point, but maintain contact throughout the initial period of use to assist the Client and ensure that the operational reasoning has been understood and the project aims properly achieved.

Projects - Theatre & Arts Complexes

THEATRES AND ARTS COMPLEXES (selected)

Theatre Royal Wexford 2003-

Scheme for a new 750 seat opera house as home for the Wexford Opera Festival, also to be used as a receiving house at other times. Includes a flexible studio theatre, rehearsal spaces and wardrobe. C&A responsible for advising on the brief and the building needed to allow the Festival to grow, overall concept, site, auditorium, stage and general planning, and all performance technical installations.

Wales Millennium Centre, Cardiff 2004

New 1900 seat lyric theatre in a complex which contains full new rehearsal and administrative spaces for Welsh National Opera and Diversions Dance Company. Carr & Angier responsible for advising on the concept, auditorium and stage and general planning, and all performance technical installations.

Hackney Empire Theatre, London 2004

Complete re-building stage and backstage areas to provide new dressing rooms and fly tower with counterweight flying. Auditorium renovation with re-planned foyers and re-built pub on adjacent site. Carr & Angier responsible for general planning advice, specification and planning of all theatre technical systems.

London Coliseum, English National Opera 2004

Renovation scheme which includes foyer re-planning, auditorium re-decoration and major improvements to the stage area. Carr & Angier responsible for stage machinery, stage lighting, sound & communications and stage planning.

The Riverfront, Newport 2004

550 seat proscenium theatre, studio theatre, dance space and studios. Carr & Angier responsible for general planning advice, specification and planning of all theatre technical systems.

The Brindley, Runcorn 2004

A 450 proscenium theatre & studio theatre. Carr & Angier responsible for general and technical planning advice, and all performance technical installations.

Laban Centre, London 2003

New 400 seat dedicated dance theatre as part of professional dance training school. C&A responsible for advising on the auditorium and stage and general planning, and all performance technical installations.

Milton Keynes Theatre & Gallery complex 1999

1,300/900 seat theatre with variable capacity and flexible staging potential, together with associated art/exhibition gallery and retail units. To serve a wide variety of uses for drama, lyric theatre, concerts, and conferences. Carr & Angier responsible for preparing the Policy and Design Briefs, and for general planning and all technical systems advice and specification.

Malvern Festival Theatre and Elgar Hall 1998

New fly tower and renovation for existing 780 seat proscenium theatre and re-furbishment of 1,000 seat flat floored hall. Carr & Angier responsible for stage machinery, stage lighting, sound & communications and stage planning.

Sadler's Wells Theatre, London 1998

Complete re-building of theatre site to provide 1550 seat dedicated dance auditorium and renovation of Lilian Baylis studio. New stage includes complete power flying installation. Carr & Angier responsible for specification and planning of all theatre technical systems.

Halton Arts Centre, Runcorn 1998-

A 450 proscenium theatre & studio theatre. Carr & Angier responsible for general and technical planning advice, and all performance technical installations.

The Landmark Theatre, Ilfracombe 1998

The complex includes a 400 seat open stage/proscenium auditorium, together with the Wintergarden suitable for cabaret, functions, events and exhibitions.

Wimbledon Theatre 1998

Re-built stage and dressing room block with auditorium improvements to gallery, forestage and lighting positions. Carr & Angier responsible for general and technical planning advice, and all performance technical installations.

Yuen Long Civic Centre, Hong Kong 1997-

900 seat civic theatre planned to be excellent for music, with secondary uses for opera, drama, film and conferences. Extensive stage facilities including movable orchestra shell, side and rear stages, power and counterweight flying. Carr & Angier responsible for stage machinery, stage lighting, variable acoustic mechanisms, film projection and stage planning.

Theatre Brycheiniog, Brecon 1997

The 400 seat theatre is an unusually flexible venue with fixed gallery seating on two levels facing an adaptable proscenium zone. The raked stalls seating is mounted on air castored units on lifts which can be easily removed and stored under the stage to create a large flat floored hall.

North Wales Theatre For The Arts, Llandudno 1994

1,500 seat Lyric Theatre with additional Concert and Conference uses. The North Wales performance base of Welsh National Opera. Carr & Angier responsible for developing the Brief; general and technical planning advice, and all performance technical installations.

The New Victoria Theatre, Woking London & Edinburgh Trust 1992

Complex comprising new 1,300 seat commercial theatre, Function Suite, and incorporating existing small theatre. General planning advice and design of all theatre and function suite technical systems.

Wycombe Entertainment Centre (Wycombe Swan) 1992

1,000 seat concert/conference/theatre auditorium with adjoining flat floored exhibition/function hall. Carr & Angier devised the Brief and auditorium concept; gave general planning advice, and designed all special technical installations.

The West Yorkshire Playhouse, Leeds: The Leeds Playhouse Trust 1990

Responsible for technical planning advice and detailed design/specification of stage machinery installations. (Carr & Angier advised the winning architect during this Architectural Competition in 1984/85).

Academy for Performing Arts: Hong Kong 1986

Unique complex that provides training in all branches of the Performing Arts, comprising Lyric Theatre (1200 seats), Drama Theatre (350 seats), Studio Theatre (250 seats), Orchestra Hall, Recital Hall, Television Studio, extensive Rehearsal Studios, Practice Rooms, Production Workshops and Wardrobes, and Academic Teaching Accommodation. Carr & Angier responsible for devising the Brief for an Architectural Competition; acting as Technical Assessors; subsequently appointed as Theatre Consultants to advise on general and technical planning, detailed planning of all auditoria, production facilities, TV Studio, and rehearsal spaces, and to specify all performance technical installations.

Everyman Theatre, Cheltenham: Cheltenham Borough Council 1986

Major renovation and extension to existing 680 seat repertory theatre. Totally new stage, fly tower, orchestra pit and backstage; new studio theatre; extensions to front-of-house accommodation; new technical installations throughout. Development of Brief, general planning advice, and design/installation of all technical systems and equipment.

The Grand Theatre, Swansea: Swansea City Council 1983

Phased development for the re-construction of the existing theatre. Carr & Angier undertook original study into Arts provisions for Swansea, later the basis for development. Carr & Angier wrote the Brief, advised on planning, and designed the stage and its technical systems.

The King's Theatre, Edinburgh: City of Edinburgh District Council 1982

New Stage Lighting, Sound & Communications systems and control rooms; auditorium restoration and provision of new orchestra pit.

Theatre Royal, Plymouth: Plymouth City Council 1982

Unique multi-functional regional centre for a wide range of theatre and music. Comprises a variable capacity 760/1300 seat main theatre and 250 seat flexible studio theatre. Conceived as a national touring house and also as home for a resident drama company. Includes adjustable acoustics in main house. Carr & Angier developed the concept and outline design of the variable capacity auditorium, and wrote the detailed Design Brief; gave general planning advice, devised all technical systems, and advised on the selection of key personnel. Since opening Martin Carr has been a co-opted member of the Board of Management.

Wolsey Theatre, Ipswich: Ipswich New Theatre Trust 1979

420 seat regional repertory drama theatre. Initial concept development for auditorium and stage. General planning advice and design/installation of all technical systems and equipment.

Clwyd County Arts Complex, Mold: Clwyd County Council 1976

Concept development for complex which comprises Theatre Clwyd (570 seats) Studio Theatre (250 seats) Cinema (130 seats) TV Studio, Exhibition Gallery, Banquet Suite, Restaurant, full production facilities. Detailed Design Brief; general planning advice and design/installation of all technical systems and equipment. 1984 Feasibility Studies for 1800 seat Concert Hall/Opera House.

Projects - Concert & Conference Halls

CONCERT AND CONFERENCE HALLS

Cattle Market Development Bury St. Edmunds 2004-

New multi-purpose space with prime uses as 1000 capacity flat floored hall or concert/performance space with 500 raked seats. C&A advising on general planning, auditorium design development and responsible for all performance/conference technical systems.

Perth Concert Hall 2005

New multi-purpose space with prime use as 1200 seat concert hall. Adaptable to flat floor. C&A advised on all aspects of general planning, auditorium design development and management, and responsible for all performance/conference technical systems.

Royal Festival Hall, London 1999-

Major scheme for renovation and acoustic improvement. Carr & Angier responsible for: general planning advice, platform concept development, design of all specialised technical installations.

Centre for the Arts, Dublin City University (The Helix) 2001

New 1000 seat concert auditorium and 450 seat theatre for both public and University. C&A advised on the general planning, auditorium planning and all technical installations.

Barbican Hall, London 20001

Technical renovation scheme for auditorium including new platform lifts, overhead suspensions performance lighting. Carr & Angier advised on the general planning issues, including all stage and conference technical installations.

The Stables, Wavendon 2001

The new entrance foyer serves the new auditorium, existing stable building and a new restaurant. The auditorium seats 400 (fixed), surrounding the performance area on three sides. The old stables have been converted to a smaller performance space and library. The main auditorium is designed for a mixed programme of musical events and is supported by backstage, dressing room and rehearsal spaces.

The Maltings, Snape 1967, 1970 (rebuilt after fire) & 1999

860 seat Concert Hall and Opera House in shell of old Malt House complex. General planning advice and design/(re)installation of all technical systems and equipment.

Royal Scottish Academy of Music and Drama, Glasgow 1999

Alexander Gibson Opera School. New complex added to existing Academy with studio for opera performance. C&A advised on general planning, technical planning and all specialist technical systems.

Istanbul Cultural & Congress Complex 1997-

Complex comprising 2,500 seat Concert Hall, Chamber Hall, and multipurpose theatre and conference space. Carr & Angier responsible for Briefing advice, general and technical planning advice, and all performance/conference technical systems.

Hong Kong Convention and Exhibition Centre (Extension) 1997

Comprising 4400 seat Convention Hall, Meeting Rooms & Exhibition Halls. Carr & Angier advising on Conference & Performance aspects. Responsible for Design of Performance & Conference Technical Systems.

Belfast Riverside Concert & Conference Complex 1996

Complex comprising flexible 2,250 seat Concert/Conference Hall and 500 seat small hall. Carr & Angier undertook the original feasibility and concept studies, and prepared the Detailed Design Brief. Then advised on all aspects of general planning, auditorium design development and management, and responsible for all performance/conference technical systems.

Hinxton Hall 1996

Conference facilities including 300 seat Conference Hall and a Lecture Room. Carr & Angier have assisted in Auditorium development and responsible for detailing the Conference Technical support systems.

King's Lynn Corn Exchange 1996

Renovation and extension of existing listed building to provide 850 seat flexible Concert and Community Hall. Carr & Angier appointed to prepare design brief, and oversee the project to completion on behalf of the Borough Council.

North Wales Arts & Convention Centre 1994

1,500 seat concert/lyric theatre/conference auditorium with adjoining conference and leisure facilities at Llandudno. Carr & Angier wrote the Brief, advised on the basic auditorium concept and general planning issues, and designed all stage and conference technical installations.

Concert/Lecture Hall, Limerick University, Ireland 1992

Development of 1,000 seat auditorium for concerts, lectures, and major university events. Carr & Angier responsible for: Briefing Advice; auditorium concept development; general planning advice; design of all specialised technical installations.

York Barbican Centre 1991

Development of a 1,500 seat hall for mixed Concert, Conference, and Indoor Sports uses. Carr & Angier responsible for general planning advice, and design of all specialist technical systems.

Glasgow Royal Concert Hall 1990

Concert and Conference complex with 2,500 seat and 600 seat halls. Carr & Angier advised on all aspects of performance and conference uses, auditorium and general plan development, and all performance and conference technical systems.

Hong Kong International Convention and Exhibition Centre 1988

Development Association with private Developer. Complex of exhibition halls, conference auditoria and hotels with public performance facilities. Carr & Angier gave Briefing advice on overall conference and performance requirements, general planning advice, and designed all conference and performance technical installations.

St David's Hall, Cardiff 1983

2,000 seat National Concert & Conference Hall of Wales. Carr & Angier developed the Brief and devised the Auditorium Concept; gave general and technical planning advice and were responsible for all performance technical installations; gave management advice, and advised the City Council's Management Committee on operational matters from 1983-1987.

Harrogate Conference Complex 1982

International Conference Centre with 2,000 seat main auditorium and extensive exhibition and support facilities. Carr & Angier initially employed to resolve conflicting conference and performance interests; appointment then extended to advise on performance and conference requirements, general planning, and design of all specialist technical systems.

Projects - Educational & Community Projects

EDUCATIONAL AND COMMUNITY PROJECTS

Midland Art Centre (MAC) Birmingham 2004

New 450 seat end stage theatre adaptable to flat floor. C&A giving general and auditorium planning advice with design of all theatre technical systems.

The Carriageworks Leeds 2003-

Replacement amateur theatre provided by Council. C&A giving general and auditorium planning advice with design of all theatre technical systems.

Talawa at Westminster 2004-

Replacement for the old Westminster theatre within larger development. To provide new home for Talawa Theatre Company. C&A giving general and auditorium planning advice with design of all theatre technical systems.

The Junction, Cambridge 2004

Extension of existing nightclub after merger with Cambridge Drama Centre to add a new small flexible auditorium and renovate existing installations. C&A giving general and auditorium planning advice with design of all the theatre technical systems.

Bernie Grant Centre, London 2003-

New community centre with flexible theatre space at its heart. C&A giving general and auditorium planning advice with design of all theatre technical systems.

The Riverfront, Newport 2004

A new 550 seat proscenium theatre, a flexible studio theatre, dance studio and associated arts workshops. C&A giving general and auditorium planning advice with design of all theatre technical systems.

Salisbury Arts Centre 2005

Scheme for improving existing successful arts centre based in a redundant church building.

Laban Centre London 2000

New 400 seat dedicated dance theatre as part of professional dance training school.

Dormston School Theatre, Sedgley, Near Dudley 1999

New 350 seat proscenium theatre for school use with facilities for small scale professional visiting companies and conferences.

Dartford Mick Jagger Centre 1999

Redevelopment of parts of Grammar School created a 350 seat main hall, a 150 seat drama studio together with practice/dressing rooms, box office and foyer.

Wiltshire Music Centre, Bradford-on-Avon 1997

New facility for centralised Musical Education, including small concert hall, recording studio, practice facilities, etc. Intended also to serve the local community.

Stanwell School, Penarth 1997

Scheme for 450 seat School/Community Theatre to serve Penarth. with associated Dance & Drama teaching/rehearsal spaces and TV studio.

Helston School, Cornwall 1997

Scheme for comprehensive new drama and music facilities, including 300 seat flexible performance space, drama and music teaching studios. Intended to serve the local community for public performances.

Blundells School Arts Centre (Ondaatje Hall) 1988

Studio theatre (for public performance use) and associated arts and teaching spaces. Responsible for concept development, planning advice and design of all electrical services and performance technical systems.

The Academy for Performing Arts, Hong Kong 1985

The Royal Hong Kong Jockey Club and The Hong Kong Government Complex for faculties of Drama, Dance, Music and Technical Arts. Principle features: lyric theatre, drama theatre, studio theatre orchestral rehearsal/recording hall with variable acoustics, recital/lecture hall, TV studio, sound recording studio, rehearsal studios, production workshops and wardrobe, open-air theatre. Performance spaces designed for public use.

Carr & Angier responsible for advising client on all non-academic resources and writing the Design Brief. Subsequently advised on all aspects of general and technical planning for all performance, rehearsal, and support facilities, and responsible for the design of all technical systems.

Taliesin Arts Centre, Swansea: University College of Wales 1985

Concept development and Brief for 350 seat adaptable theatre/concert/conference hall and Art Gallery. Advice on planning and management, and design of all technical installations.

The Drum Studio, Theatre Royal, Plymouth 1983

Concept development and Brief for 250 seat flexible Studio Theatre within the Theatre Royal complex. Advice on planning and design of all technical systems and continued involvement in management since opening.

Stahl Theatre, Oundle School: The Governors of Oundle School 1979

Conversion of Methodist Chapel into public Arts Centre. Initial feasibility study, planning advice and design of all technical and electrical installations.

Medina High School, Isle of Wight: I.O.W. County Council Education Dept 1978

Development of auditorium concept for a school/community performance space, general planning advice and design/installation of all technical systems and equipment.

Dundee College of Education: Scottish Education Department 1975

Concept development and Brief for 350 seat theatre/lecture/conference auditorium and associated CCTV Studio. Planning advice and design of all technical installations.

Riverside Theatre, Coleraine N.I.: The New University of Ulster 1975

Concept development and Brief for 420 seat public theatre. Planning advice and design of all technical installations.

Ayr & Falkirk Colleges of Further Education: Scottish Development Department 1968

Drama and Lecture Theatres/Studios. Planning advice and design of all technical systems.

The Cockpit Theatre, London: Inner London Education Authority 1965

Planning advice and design of all technical systems.

Projects - Feasibility Studies

FEASIBILITY STUDIES (since 1996 only)

BBC Music Centre, London 2001

Study for new building with rehearsal / informal performance halls and administrative spaces for the BBC Symphony Orchestra and the BBC Singers.

His Majesty's Theatre, Aberdeen 2001

Renovation studies for technical and general planning improvement.

Theatre Royal, Bristol 2000

Theatre renovation and improvement studies.

Royal Festival Hall, London 1999

Major improvement studies

Grand Theatre, Leeds 1999

Theatre renovation and new accommodation for Opera North

Hawth Theatre, Crawley 1998

New seating layout, enlarged dressing room block and storage area with two new studios

Civic Halls, Wolverhampton 1998

Renovation project to provide 2,000 seat rock/pop touring venue

Civic Hall, Sheffield 1998

Renovation to create a major hall for classical concerts and touring shows suitable for open platform presentation

Carmarthen Lyric Theatre 1998

Addition of dressing room and rehearsal block.

Sands Centre Theatre, Carlisle 1998

New 550 seat proscenium theatre for mid-scale touring shows

Lyceum Theatre, Crewe 1998

Renovation to provide new fly tower and dressing room block with improved auditorium lighting positions

Birmingham Conservatoire 1998

Better public facilities and more flexible use of two existing concert spaces

Theatre Complex, Newport 1998

New facility with adaptable theatre for 500 and two studios.

Royal Shakespeare Theatre, Stratford 1998

Studies for new theatre to replace existing main auditorium

Lewisham Theatre, London 1997

Studies for renovation of theatre and provision of new studio theatre

Hackney Empire, London 1997

Renovation of Empire with new stage and dressing rooms, new small theatre, new studio and rehearsal facilities

Mountview Theatre School, London 1997

Proposal to move to new premises with new performing spaces

Latymer School Theatre, London 1997

New school and community theatre

New Gateway Theatre, Chester 1997

Studies for new complex to contain proscenium theatre, two studios, workshops and teaching spaces

English National Opera, London 1996

Design Team Leaders for study to develop a new Opera House.

Wimbledon Theatre, London 1996

Proposal to renovate theatre and re-build stage and dressing rooms

Cliffs Pavilion Phase II, Southend-on-Sea 1996

Feasibility study for development of new stage & backstage facilities and the addition of a new Art Gallery.
Follows on from 1992-93 engagement.

Mayflower Theatre, Southampton 1996

Studies to improve stage area and delivery access and re-locate Gantry

School Theatre, Dormston 1996

New school and community theatre for 350 to take small scale professional tours

CVs - Peter Angier

Date of Birth: 19/06/39

Education: Blundell's School, Tiverton
Magdelene Collage, Cambridge

Professional Qualifications: MA In Natural Sciences
Member of the Society of Theatre Consultants

Background

- 1962-63** Stagehand, Flyman, Stage Carpenter at Cambridge Arts Theatre
- 1963-65** Resident Stage Manager at Oxford Playhouse Theatre
- 1965-67** Technical Director at The Mermaid Theatre, London
- 1967- 69** Production and Theatre Manager at The National Theatre School of Canada, Montreal
- 1970-74** Consultant with Theatre Consultants Services
- 1974-2000** Partner in Carr & Angier
- 2000-** Principal, Carr & Angier

Peter Angier is included on the Panel of Assessors for the Arts Council of England Lottery Fund.

Member, The Society of Theatre Consultants - Chairman 1985-91
Member, Association of British Theatre Technicians
Member, Materials, Safety, and Theatre Planning Committees, ABTT
Member, Executive Council ABTT 1992- 97

Editor, the Journal of the ABTT 1972-74
Lecturer, British Council Theatre Design Courses 1985/87/89
Member, British Standards Institute Committee on Fire Precautions in Places of Assembly
Member, British Standards Institute Committee on Lifting Equipment for Performance and Broadcast Applications

Chairman, International Convention on Fire Safety in Performance Buildings, London 1991

Fields Of Specialisation

General planning of Performance Buildings.
Safety in Performance Buildings.
Planning and detailing of Stages and all associated areas.
Planning and equipping of Workshop and Wardrobe Production facilities.
Planning and Specification for all Theatre Stage Machinery and Technical Installations.

CVs - Keith McLaren

Date of Birth: 08/10/46

Education: Ashton Park County Secondary School, Bristol

Professional Qualifications: Member of the Society of Theatre Consultants

Background

- | | |
|----------------|--|
| 1963-66 | Stage Electrician Theatre Royal, Bristol (Old Vic) |
| 1966-67 | Stage Electrician Dayman, Albery Theatre, London |
| 1967-68 | Deputy Chief Electrician, Wyndham's Theatre, London |
| 1969 | Technician, BBC Television, Bristol |
| 1969-70 | Chief Electrician/Lighting Designer, Swan Theatre, Worcester |
| 1970-71 | Chief Electrician/Lighting Designer, Bristol Old Vic Company at the Little Theatre |
| 1971-75 | Chief Electrician/Lighting Designer, Everyman Theatre, Cheltenham |
| 1975-79 | Chief Electrician/Lighting Designer, Theatre Clwyd, Mold |
| 1979-86 | Assistant Consultant with Carr & Angier |
| 1987- | Associate with Carr & Angier |

Member of The Association of British Theatre Technicians

Fields Of Specialisation

Planning and detailing of Stages and all associated backstage and technical areas.
Planning and specification for all Theatre Stage Machinery and Technical Systems, Audio-Visual and Projection Systems, Television and Conference Equipment.
Planning and specification of Electrical Services for Performance Technical Systems.
Site Supervision and Commissioning.
Production Stage Lighting Design.

CVs - Emma Savage

Date of Birth: 13/04/65

Education: St Mary's School, Shaftesbury
Bretton Hall, Wakefield
Staffordshire Polytechnic, Stafford
Southampton University

Professional Qualifications: Diploma Sound and Vibration Studies
MSc Computing Science
BA (Hons) Music and Dramatic Presentation
LTCL (Flute Performance Diploma)
Member of the Society of Theatre Consultants

Background

1989-90 Assistant Acoustic and Theatre Consultant for Artec Consultants

1990-91 Self Employed working for John Wyckham Associates, Model Box (White Light), Institute of Sound and Vibration Research Consultancy Unit and studying at Southampton University

1991-93 Theatre Consultant and Associate of John Wyckham Associates

1993-94 Working for John Wyckham Associates and for Carr and Angier

1995- Working for Carr & Angier

Fields Of Specialisation

Planning of Stages and all associated backstage and technical areas.
Seating and Sightlines.
Orchestral Layouts.
Orchestra Pit Design.
Room Acoustics.
Theatre Design and Detailing.
Stage Equipment Planning and Layouts.
Computer draughting 2D and 3D.
Disabled Access for public, performers and staff.

CVs - Richard George

Date of Birth: 6/3/65

Education: High School of Stirling,
Napier College, Edinburgh
University of Bath.

Professional Qualifications:

B'Eng Building Services Engineering

BACKGROUND:

1988-90 Building Services Engineer - Bovis Construction (Scotland) Ltd.

1990-91 Building Services Consultant - Hoare Lea & Partners, Bristol.

1991-1998 Freelance Live Sound / Recording Engineer / Consultant.

1998- Working for Carr & Angier

FIELDS OF SPECIALISATION:

Sound and Audio Visual Systems
Recording Systems and Recording Studio Design and Planning
Sightlines and Seating Layout.
Information Technology, Networks and Software.
2D and 3D Computer Aided Design.

CVs – Steve Roberts

Date of Birth: 18-06-65

Education: St Albans School, St Albans, Hertfordshire
Central School of Speech & Drama
City of Westminster College

Professional Qualifications:

HND in Stage Management
City & Guilds 181, Theatre Electrics, Parts 1 & 2
Member of the Association of British Theatre Technicians
Member of the Association of Lighting Designers
Member of the Society of Theatre Consultants

BACKGROUND:

1986 Assistant Electrician, Derby Playhouse

1986-87 Technician, The Wilde Theatre, Bracknell

1987-1994 Freelance Lighting Designer, Production Manager, Electrician

1990-1991 Chief Electrician, Riverside Studios, London

1991- 1994 Partner in The Technical Connection, a technical production company providing lighting sound, staging & production management services.

1994-1996 Chief Electrician, Theatre Royal, Windsor

1996-2001 Project Engineer, LSI Projects

2001- Working for Carr & Angier

FIELDS OF SPECIALISATION:

Planning and Specification of Production Stage Lighting Systems
Planning and Specification of Sound & Communications Systems
Design of control networks
Site Supervision & Commissioning
2D and 3D Computer Aided Design

CVs - Martin Carr

Date of Birth: 15/03/32

Education: Kelly College, Tavistock
Exeter College, Oxford

Professional Qualifications: Member of the Society of Theatre Consultants

Background

- 1953-56** Lighting Director for The Questors Theatre, Ealing
- 1956-65** At the Royal Opera House, Covent Garden, 1956-65:

Stage Manager, Covent Garden Opera 1956-60
Stage Director, Royal Ballet 1960-62
(Including Tours to USA/Canada and USSR)
Assistant Technical Director 1963-65
- 1962** Stage Director for The Australian Opera Company (sabbatical)
- 1963-72** Lighting Director & Lecturer on Stage Management for the London Opera Centre
- 1965-74** Director, Theatre Consultants Services
- 1974-2000** Partner in Carr & Angier
- 2000 -** Consultant

Martin Carr is included on the Panel of Assessors for the Arts Council of England Lottery Fund

Founder Member of The Society of Theatre Consultants
Honorary Secretary 1977-79
Honorary Treasurer 1983-86
Chairman 1997 -

Executive Committee Member and Honorary Secretary of The Association of British Theatre Technicians, 1963-74
Member, ABTT Theatre Planning and Stage Lighting Committees
Member, United States Institute for Theatre Technology

Member of The Theatres Advisory Council since 1963
Vice-Chairman 1979-85
Honorary Secretary 1991-
TAC Delegate to the Standing Advisory Committee on Local Authorities and the Performing Arts (SACLAPA) since 1966. Joint Honorary Secretary 1991-

UK Delegate to the Architecture Commission OISTT, 1984
Member, Arts Council Working Party on Housing the Arts, 1985

Visiting Lecturer - Bath University, School of Architecture, 1984-90
- Plymouth School of Architecture, 1989-90

Fields Of Specialisation

Feasibility Studies to establish policy, scope, size, form, and management, for Arts Centres, Arts Educational facilities, Theatres, Concert Halls, and Conference Centres.
Preparation of Detailed Design Briefs and Schedules of Accommodation.
Advice on all aspects of Planning for Performance Venues.
Auditorium Concept Development.