

DONHEAD

**BUILDING
CONSERVATION
BOOKS**

2009

Access to the Historic Environment Meeting the needs of disabled people *Lisa Foster*

This book examines flexible and pragmatic solutions to improve circulation in buildings by overcoming level changes, addition of handrails and other facilities which achieve the basic goal of dignified access, and which protect a building's special architectural character. It features practical guidelines and illustrated case study material, with examples of how to improve access in different types of historic buildings including Georgian, and neo-classical buildings, historic monuments, country houses, gardens and landscapes.



Contents: Foreword by Patrick Nutgens
 ❖ **A pattern of change** what is disabled access?; equal treatment vs. special treatment; why make any improvement at all?; conservation guidance
 ❖ **Criteria for developing an access strategy** the Disability Discrimination Act; identification and assessment of physical barriers ❖ **Circulation strategies** choosing the right entrance; front entrance solutions; creating a new public entrance; a change of use; extensions; complementary entrances; portable ramps
 ❖ **Design considerations** architectural value; authenticity; reversibility; new ramps and railings; pavement ramps; handrails ❖ **Vertical circulation** access considerations; conservation constraints; passenger lifts ❖ **Cultural monuments** country houses, ruins and landscapes; circulation strategies; unroofed monuments and historic landscapes ❖ Appendix; practical guidance
 ❖ Notes ❖ Bibliography ❖ Index.

... as a practical reference to highlight problems and assist the designer it is invaluable. EASA

Lisa Foster has pulled together a wealth of practical data into a single easily accessible format. English Heritage Conservation Bulletin

1997 ❖ 144 pages ❖ Hardback
 978 1 873394 18 2 ❖ £32.00 ❖ \$64.00

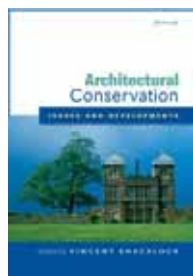
Architecture 1900 Papers presented at the International Conference, University of York 1997 *Edited by Peter Burman*

This international collection of papers examines the buildings and architecture of the period around 1900 and presents many fine examples of both domestic and public architecture, reflecting the diversity of ideas and influences of the time. The dialogue between tradition and modernity finds expression in the creative design and craftsmanship of the Arts and Crafts Movement and also reveals a desire to experiment with newer materials such as steel and reinforced concrete. which then became more widely used after the First World War.

1998 ❖ 384 Pages ❖ Hardback
 978 1 873394 32 8 ❖ £39.00 ❖ \$78.00

Architectural Conservation Issues and Developments *Edited by Vincent Shacklock*

This authoritative book offers contributions from leading practitioners and scholars presenting an assessment of the current state of conservation in the UK.



In addition to tracing the developments in conservation over the past fifty years it raises concerns about the ambivalence within government towards heritage protection. It considers the need for a clear understanding of the value of architectural heritage; the importance of training; adequate funding for maintenance, and support at a local and community level. It also discusses the role of the amenity societies and provides a useful comparison of the national and regulation driven process operating in the UK with the US local and incentive driven approach.

Contents: Foreword: Lessons from York Minster 1965–1972 *Sir Bernard Feilden*
 ❖ Personal Perspectives
 ❖ Facing up to challenges in architectural conservation *Vincent Shacklock*
 ❖ Protecting the historic environment: The legacy of W G Hoskins *Malcolm Airs*
 ❖ The context for skills, education and training *John Preston*
 ❖ What direction for conservation? Some questions *Bob Kindred*
 ❖ The American contrast *Donovan D Rypkema*
 ❖ The protection of historic parks and gardens *David Lambert and Jonathan Lovie*
 ❖ SAVE Britain's Heritage and the amenity societies *Adam Wilkinson*
 ❖ Scientific research into architectural conservation *Peter Brimblecombe and Carlota M Grossi*
 ❖ Appendix: The listing of buildings *Bob Kindred*

The Introduction by Vincent Shacklock, and abstracts to all papers can be viewed on our website www.donhead.com

I want to see national recognition of the contribution that good conservation makes to our civilization. George Ferguson

The Introduction by Vincent Shacklock, and abstracts to all papers can be viewed on our website www.donhead.com

For Journal of Architectural Conservation subscribers, this title is their November 2006 issue

2006 ❖ 144 pages ❖ Paperback
 978 1 873394 77 9 ❖ £25.00 ❖ \$50.00

The Art of the Plasterer *George Bankart*

First written in 1908 this impressive reprinted volume with over 400 illustrations explores in detail how plaster materials and methods were developed and used, giving a fascinating insight into some of the unusual substances added to plaster. For instance, he tells us that ancient stuccos sometimes contained fig juice, curdled milk, blood or beer to make them harder. The book also contains an account of wattle and dab as well as parge-work, using practical illustrated examples to give an excellent description and record of the subject.

Contents: Introduction ❖ Ancient stucco-duro ❖ Sgraffito, or scratched ornament ❖ Stucco-duro in England ❖ Wattle and dab and parge-work ❖ The English school of plasterwork ❖ Scottish plasterwork; Irish plasterwork ❖ English plasterwork of the later Renaissance ❖ The eighteenth-century degeneration ❖ Adam brothers and their work ❖ Modern plasterwork: Part I: present day methods – Part II: The teaching of the past: a comparison ❖ Notes addressed to students and apprentices ❖ Index.

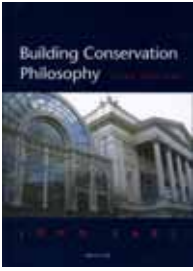
2002 ❖ 368 pages ❖ Hardback
 978 1 873394 51 9 ❖ £67.00 ❖ \$134.00

Brickwork History Technology and Practice *Gerard Lynch*

Volume 1 offers a background to the historical development of the brick, the craft of bricklaying and of brickwork from the 13th century to the present day. It also describes the modern manufacture of bricks, their properties and classification. It includes chapters on mortars, tools and accessories along with an explanation of bricklaying skills and comprehensive coverage of the techniques of bonding and its applications. **Volume 2** examines the elements of building construction in brick. It studies the setting out of a small building and then progresses to foundations, examining the historical as well as current practices. The following five chapters cover both the contemporary and traditional aspects of substructure brickwork; basements; sleeper walls; damp proof courses; cavity walling; jointing and pointing.

Vol 1 ❖ 1994 ❖ 272 pages ❖ Hardback
 978 1 873394 02 1 ❖ £33.00 ❖ \$66.00
 Vol 2 ❖ 1994 ❖ 256 pages ❖ Hardback
 978 1 873394 07 6 ❖ £33.00 ❖ \$66.00
 Volumes 1 & 2 (set price)
 978 1 873394 06 9 ❖ £63.00 \$126.00

Building Conservation Philosophy Third Edition John Earl



John Earl examines the nature of monuments and the varied motives for preserving them, tracing the history of movements to preserve old buildings and the furious conflicts that have frequently surrounded restoration campaigns. Philosophical

problems arising in modern conservation practice, including such controversial issues as 'skin-deep preservation' and the use of substitute materials, are considered in detail. More space is devoted in this edition to sustainability and the relationship of buildings to the townscape and landscape.

Contents: Foreword by Andrew Saint ❖ Preface ❖ Guiding lights ❖ Approach to the subject ❖ The creation and preservation of monuments ❖ The growing popularity of preservation ❖ Control by legal process ❖ The practice of preservation: Historical background ❖ The practice of preservation: Philosophy in action ❖ The practice of preservation: Grounds for argument ❖ The practice of preservation: contexts ❖ Final thoughts ❖ Conclusion ❖ Appendices: Chronology (from 1800); The SPAB Manifesto; The Venice Charter; The Burra Charter; The Canadian Code of Ethics; The philosophical background to listing in Britain; Education for conservation; 'A permanent agency' ❖ Index.

An absorbing and thought provoking treatise which encapsulates the essence of the subject.
Building Engineer

2003 ❖ 248 pages ❖ Hardback
978 1 873394 56 4 ❖ £37.00 ❖ \$74.00

Building in Cob, Pisé and Stabilized Earth Clough Williams-Ellis

This fascinating study, first published in 1919 then substantially revised in 1947, was based on experiments by Clough Williams-Ellis into the use of pisé de terre and other earth based materials. Whilst earth building has not developed significantly in the UK since this book appeared, the recent efforts of the sustainable architecture movement has helped to stimulate an interest in constructing new earthen buildings.

Contents: General survey ❖ Pisé de terre ❖ Adobe ❖ Stabilized earth ❖ Cob and chalk mud ❖ Protective coverings for earth walls ❖ Design ❖ A successful experiment ❖ Some practices abroad ❖ Index.

A really worthwhile book for ... anyone who believes in the revival of sustainable traditions.
Context

1999 ❖ 216 pages ❖ Hardback
978 1873394 39 7 ❖ £30.00 ❖ \$60.00

Building Construction Drawing Richard B Eaton

First published in the period 1914 to 1921 this volume has been reprinted to provide a useful sourcebook for architects and other conservation specialists working on traditional buildings. It was one of the first books to include specifications and working drawings of joinery details, drawn on a large scale, which complemented the earlier better known construction 'pattern books' of the nineteenth and early twentieth century.

The book covers a wide range of details, with particular emphasis on joinery, including windows, doors, staircases, panelling, picture and chair rails, and architraves but also covering brick and tile floors, chimney heads, yard gates, and an example of a roof for a small house. These will be of particular relevance to the maintenance of buildings constructed between 1900 and 1939.

Contents (abridged): Part I: Brickwork: English bond; double Flemish bond; hollow walls; foundations ❖ Ground floor ❖ First floor: brick and tiled floors ❖ Roof: king post; eaves ❖ Entrance doorway: sash frame ❖ Sash frame window ❖ Casement window ❖ Internal doors and linings ❖ Stairs. **Part II:** Bay window: gable; roof; flues; chimney heads ❖ Dormer window ❖ Porch ❖ Entrance Doorway ❖ Staircase. **Part III:** Mansard roof truss ❖ Octagonal tower ❖ Circular tower ❖ Bay window ❖ Lantern light ❖ Window with stone dressings ❖ Small house ❖ Bungalow ❖ Porch ❖ Sewer manhole: straight; L-shaped ❖ Villa residence: roof and joists; elevations; front fence; windows; bay window; staircase. **Part IV:** Door frames: Dormer jambs; framed, ledged and braced door and frame; with fanlight ❖ Entrance door and frame with segmental head: with fanlight; with side-lights ❖ Entrance door and frame with elliptical-shaped head: doors hung folding ❖ Entrance doorway and side-lights ❖ Internal door and linings: framed and panelled doors; ten internal door linings ❖ Swing doors ❖ Yard gates. **Part V:** Cased frames and sashes: double hung; deal-eased sash frame ❖ Cased frames and sashes with circular and segmental heads ❖ Cased frame and sashes with fanlight ❖ Bay window with mullion ❖ Casements and frame ❖ Angle casement window ❖ Bay window ❖ Staircase with close strings. **Part VI:** Skirtings, picture rails, and chair rails ❖ Architraves ❖ Casement frame with pivot hung sashes ❖ Skylight ❖ Lantern light ❖ Panelling to dining room ❖ Kitchen dresser ❖ Bookcase and sideboard ❖ Porch to entrance: hood over front door ❖ Index.

2004 ❖ 320 pages ❖ 158 plates ❖ Hardback
978 1 873394 71 7 ❖ £47.00 ❖ \$94.00

Cements, Limes and Plasters Their Materials, Manufacture and Properties Third Edition Edwin C. Eckel

Edwin Eckel's exceptionally detailed volume, published in 1928, presents a wealth of information drawing on his own research as well as the work of all the eminent international authorities in the field of lime mortars and cements. It captures the fascinating development of building materials from the nineteenth century through the first quarter of the twentieth century. Of particular interest is the way in which it chronicles the demise of hydraulic cement, followed by the brief meteoric rise in popularity of natural cements, then subsequently their rapid eclipse by Portland cement. This book will be an invaluable resource not only to everyone involved in conservation of traditional buildings but also those concerned with the early modern buildings constructed from Portland cement.

Contents: Introduction ❖ **Part I Plasters:** Composition, distribution, excavation of gypsum ❖ Chemistry of gypsum-burning. Manufacture of plasters ❖ Composition, properties, and tests of plasters ❖ Flooring-plasters and hard-finish plasters ❖ The production and utilization of gypsum. ❖ **Part II Limes:** Composition, origin, and characters of limestones ❖ Lime-burning ❖ Composition and properties of lime ❖ Hydrated lime: its preparation and properties ❖ Manufacture and properties of lime-sand bricks. ❖ **Part III Magnesia and Oxchloride Cements:** Sources and preparation of magnesia ❖ Magnesia bricks and oxchloride cements. ❖ **Part IV Hydraulic Limes, Selenitic Limes, and Grappier Cements:** The theory of hydraulic limes ❖ Eminently hydraulic limes: grappier cements ❖ Feebly hydraulic limes: selenitic limes. ❖ **Part V Natural Cements:** Definition and relations of natural cements ❖ Raw material: natural-cement rock ❖ Manufacture of natural cements ❖ Composition and properties of natural cements. ❖ **Part VI Portland Cement:** Portland cement: preliminary statements ❖ Limestones ❖ Argillaceous limestone, cement rock ❖ Fresh-water marls ❖ Alkali waste: blast-furnace slag ❖ Clays, shales, and slates ❖ Excavating the raw materials ❖ Calculation and control of the mix ❖ Preparing the mixture for the kiln ❖ Power and grinding ❖ Cement burning: fixed kilns ❖ The rotary kiln ❖ Heat consumption and heat utilization ❖ Requisites and treatment of kiln fuels ❖ Clinker cooling, grinding, and storage. Use of gypsum ❖ Costs, prices, and production ❖ Constitution, setting, properties, and composition ❖ Physical properties. Testing methods ❖ Specifications for Portland cement. ❖ **Part VII Puzzolan Cements:** Puzzolan materials in general ❖ Slag cement: requisites and treatment of slag ❖ Slag cement: lime, mixing, and grinding ❖ Slag cement: composition and properties ❖ Slag bricks and slag blocks. ❖ **Part VIII Alumina Cements and High-Strength Portlands:** Alumina cements; raw material supplies ❖ Alumina cements; manufacture, composition and properties ❖ Accelerated or high-strength Portland cements ❖ Index.

With new introductions by Paul Livesey (UK) and William G. Hime (USA)

2005 ❖ 752 pages ❖ Hardback
978 1 873394 73 1 ❖ £60.00 ❖ \$120.00

Cleaning Historic Buildings

Nicola Ashurst



Should all historic buildings be cleaned? What happens to the fabric of a building if it remains soiled? What cleaning methods should be used? Will chemicals cause damage to the building? What are the long term effects of cleaning? While

there are no easy answers to these questions, it is now evident that many recent cleaning disasters could have been avoided if the right approach had been adopted.

Nicola Ashurst offers practical guidance on appropriate cleaning techniques with the aid of case studies and photographs

Contents: Volume 1 Substrates, Soiling and Investigation includes: The methods of assessment and investigation required prior to cleaning ❖ Types of soiling including biological, non biological and other staining ❖ The characteristics of masonry substrates and the cleaning of metals and timber.

Volume 2 Cleaning Materials and Processes includes: Selecting a cleaning method which doesn't damage the fabric of the building, the merits and defects of the methods available, and the key to achieving success in each case ❖ The removal of specific stains such as oil based and metallic stains, bird droppings, organic growths and paint and graffiti ❖ How to select the right contractor ❖ Health and safety and legal requirements.

Vol 1 ❖ 1994 ❖ 264 pages ❖ Hardback
978 1 873394 01 4 ❖ £35.00 ❖ \$70.00
Vol 2 ❖ 1994 ❖ 272 pages ❖ Hardback
978 1 873394 11 3 ❖ £35.00 ❖ \$70.00
Volumes 1 & 2 (set price)
978 1 873394 12 0 ❖ £65.00 ❖ \$130.00

Conservation of Clay and Chalk Buildings

Gordon T Pearson

This standard work provides practical guidance on appropriate methods of conservation and repair of earth buildings using traditional materials. It deals with the qualities and characteristics of clay and chalk and the way in which they have been used to construct buildings. Advice is given on soil analysis, the philosophy of repair techniques and the factors to be considered before altering, converting or extending an earth building. The author primarily advocates repair techniques using traditional materials but the role and suitability of certain modern materials is also considered.

Contents: Introduction to earth walling – materials ❖ Methods of construction ❖ The qualities of earth walling ❖ Repair, alterations and extensions – philosophy and general principles ❖ Repairs, alterations and extensions – Methods ❖ Wall protection ❖ Wall decoration ❖ Conclusion – the future of earth building.

1992 ❖ 224 pages ❖ Hardback
978 1 873394 00 7 ❖ £37.00 ❖ \$74.00

Cleaning Techniques in Conservation Practice

Edited by Kyle C Normandin
and Deborah Slaton
Consultant: Norman R. Weiss
Managing Editor: Jill Pearce



This book is being simultaneously published as a special issue of the *Journal of Architectural Conservation*, and presents the very latest research and developments in the cleaning of buildings, sculpture and monuments. It covers

both wet and dry micro abrasive systems, other types of abrasives, laser cleaning methods and proprietary poultices for specialized applications. The material presented is supported by case study examples from an international selection of major buildings and monuments, where the techniques have recently been tried and tested.

The Introduction by Nicola Ashurst, and abstracts to all papers can be viewed on our website www.donhead.com

Contents: Introduction Nicola Ashurst ❖ Masonry Cleaning Technologies: Overview of Current Practice and Techniques Deborah Slaton and Kyle C. Normandin ❖ The White Tower and the Perception of Blackening Carlota M. Grossi and Peter Brimblecombe ❖ Sydney Opera House: Analysis and Cleaning of the Concrete Paul Akhurst, Susan Macdonald and Trevor Waters ❖ Saint John the Devine: Techniques to Assess Fire Soil Claudia Kavenagh and Christopher John Gembinski ❖ St Paul's Cathedral: Poultice Cleaning of the Interior Martin Stancliffe, Inge De Witte and Eddy De Witte ❖ Laser Cleaning of Sculpture, Monuments and Architectural Detail Martin Cooper ❖ Conservation of Historic Metals by Waterjetting Techniques Joseph Sembrat, Patty Miller, Jee Skavdahl and Lydia Frenzel

For *Journal of Architectural Conservation* subscribers, this title is their November 2005 issue

2005 ❖ 160 pages ❖ Paperback
978 1 873394 74 8 ❖ £25.00 ❖ \$50.00

Conservation of Historic Buildings and their Contents

Edited by David Watt and Belinda Colston



This collection of papers offers contributions from key practitioners and decision makers in the field of building conservation and museums. It examines the interface between historic buildings and their contents and the interdisciplinary nature of

the problems encountered in repair, conservation and maintenance

Contents: Where does conservation meet conservation? David Watt and Belinda Colston ❖ Movable:Immovable – A historic distinction and its consequences Nicholas Stanley-Price ❖ Beyond the divide – Experiences from Scottish conservation Carol Brown ❖ 'Places' and 'stuff': Is it only the language of conservation that is changing? May Cassar ❖ Working buildings: The effect of building use on the conservation of wall paintings and polychrome surfaces Tobit Curteis ❖ When conservator meets architect and engineer Sarah Staniforth and Katy Lithgow ❖ Conserving Cardiff Castle – Planning for success John Edwards ❖ Management of the historic environment – The broad nature of the process Donald Hankey ❖ Discussion.

This is a book that deals with the 'ins and outs' of conservation in a very thought provoking way. It should be given the widest distribution possible and be accepted as essential reading for all professionals involved in conservation. Journal of Architectural Conservation

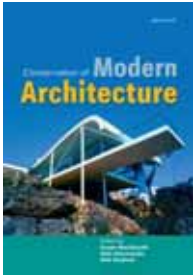
This publication demonstrates the commitment required to maintain a respect for the past and provide inspiration for future generations. This book will interest not only people with a fascination of the past but highlight the new challenges that preservation and conservation will present everybody in the years to come. Building Engineer

2003 ❖ 128 pages ❖ Paperback
978 1 873394 63 2 ❖ £20.00 ❖ \$40.00

New

Conservation of Modern Architecture

Edited by Susan Macdonald, Kyle Normandin and Bob Kindred
Managing Editor Jill Pearce



This book examines many of the philosophical and practical issues surrounding the conservation of modern buildings. It also considers the problems faced by building practitioners in dealing with buildings

constructed in a wider range of styles and materials than at any other time. Climate change in particular has forced a re-assessment of the way in which we think about buildings. The pressures to address issues of energy efficiency have become more urgent and are likely to have consequences that may alter the perceived architectural and historic interest of modern and traditional buildings alike.

Contents: Introduction *Bob Kindred*

- ❖ Points of balance: Patterns of practice in the conservation of modern architecture *John Allan*
- ❖ Conservation values, climate change and modern architecture: The CIS Tower *John Hudson*
- ❖ Yale University Art Gallery, Louis I. Kahn: Challenges for the rehabilitation of modern museum buildings *Lloyd L. DesBrisay*
- ❖ The Billiet House, Bruges: Reconstruction of a colour scheme *Ann Verdonck*
- ❖ Harry Seidler and the legacy of modern architecture in Australia *Susan Macdonald*
- ❖ The Greenside case *Dennis Sharp*
- ❖ Challenges in protecting 1960s architect-designed houses *Scott Robertson*
- ❖ ICOMOS *Sheridan Burke*
- ❖ Docomomo International *Anne-Laure Guillet*
- ❖ Docomomo-UK *James Dunnett*
- ❖ Living in the Brunswick Centre *Stuart Tappin*.

The Introduction by Bob Kindred, and summaries of all chapters can be viewed on our website www.donhead.com

For JAC subscribers, this title is their July 2007 issue.

2007 ❖ 194 pages ❖ Paperback
978 1 873394 84 7 ❖ £28.00 • \$56.00

Creative Re-use of Buildings

Derek Latham



In two volumes, this book offers numerous illustrated examples of the innovative work by a range of architects in addition to key projects from Derek Latham's own practice.

Volume 1 focuses on identifying a suitable

building, understanding its essential qualities, and selecting an option appropriate for both its setting and the people who will use it. It discusses the choice between design intervention, repair and replication, and when to use new techniques or traditional skills.

Volume 2 offers an extensive collection of illustrated examples from different parts of the UK showing buildings of every shape size and type. Each building type is examined separately: country houses, hospitals, industrial buildings, offices, railway stations, farms with outbuildings, churches, schools and many others. It then describes the range of potential re-uses that might be considered, taking account of their size and suitability for the relevant function.

Contents: Volume 1 Principles and practice

- ❖ Introduction
- ❖ The context for re-use: The appeal of older buildings
- ❖ Opportunities for re-use
- ❖ The challenge of creative re-use
- ❖ The route to a successful project: Initiating action
- ❖ Understanding the building
- ❖ Understanding the user's requirements
- ❖ Enhancing the value of a property
- ❖ Design: working with the building
- ❖ Presenting the project
- ❖ Techniques: materials and craftsmanship
- ❖ Implementation: time and quality
- ❖ Post completion: Management in use
- ❖ Application
- ❖ Appendix: principles for re-use
- ❖ Further reading
- ❖ Index

Volume 2 Building types: selected examples

- ❖ Introduction
- ❖ Uses: Country houses; town houses; farm buildings; industrial buildings; other types of industrial buildings; offices; markets and retailing; civic buildings; churches and chapels; schools; hospitals; military establishments
- ❖ Characteristics: Small buildings; large buildings; open or divided; humble or grand; repetitive or organic; single or multi-storey; heavy or light structures; ancient or modern; internally interesting; externally prominent; urban or rural; under or overground; unusual; ruins
- ❖ Analysing capacity
- ❖ Conclusion
- ❖ Appendix: examples catalogued in accordance with the building's original or previous use
- ❖ Further reading
- ❖ Index.

These books are a wonderful asset ... for all parties contemplating the re-use of old buildings.
Architects' Journal

... a worthy addition to the Library of all conservation practitioners, ... the advice and approach given by the author and his team of project architects [is] both beneficial and thought provoking.. RICS Building Conservation Journal

Vol 1 ❖ 2000 ❖ 256 pages ❖ Hardback
978 1873394 36 6 ❖ £47.00 ❖ \$94.00
Vol 2 ❖ 2000 ❖ 224 pages ❖ Hardback
978 1873394 37 3 ❖ £47.00 ❖ \$94.00
Volumes 1 & 2 (set price)
978 1 873394 33 5 ❖ £85.00 ❖ \$170.00

Conservation of Timber Buildings

F W B Charles with Mary Charles

In this authoritative volume the author looks at the various types of structure generally associated with the timber-frame tradition. He discusses repair techniques, the procedures of investigation, the preliminary survey and the structural survey, followed up by detailed case studies. The text is supported by numerous illustrations.

Contents: Structural types – rafter roofs, purlin

- ❖ roofs, post-and-truss, crucks, base-cruck
- ❖ Timber – properties and effects of environment, oaks and other trees for building, decay of oak, use of unseasoned oak, size of trees, cruck trees, today's trees, conservation methods, the specification for timbers, reused timbers
- ❖ Organization and framing – history, the carpenter's yard, sample building and numbering system, framing, site erection
- ❖ Historical change
- ❖ Office practice
- ❖ Case studies

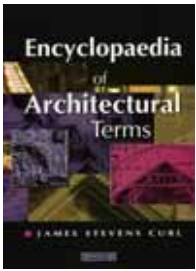
...an invaluable reference and source book and a thoroughly good read. Building Refurbishment

1995 ❖ 256 pages ❖ Hardback
978 1 873394 17 5 ❖ £40.00 ❖ \$80.00

Orderline: +44(0) 1747 828422

Encyclopaedia of Architectural Terms

James Stevens Curl



The Encyclopaedia of Architectural Terms, now reprinted as a paperback edition, provides a comprehensive, clearly written, practical guide to the terminology used in the various aspects of architecture and building. It contains over 3,500 terms offering

definitions of styles, the components of buildings, materials, the various parts of Orders, architectural details, and much more.

This scholarly work is illustrated to a high standard and is cross-referenced throughout. It will be an invaluable source of reference for architects, surveyors, architectural historians, and all other professionals with an interest in historic buildings.

Professor Curl is to be congratulated on a book that is both immensely informative and highly readable with an excellent balance of text, source reference, drawing and photograph ... a must for your bookshelf. RICS Building Conservation

1994 ♦ 364 Pages

Hb ♦ 978 1 873394 04 5 ♦ £49.00 ♦ \$98.00

Pb ♦ 978 1 873394 25 0 ♦ £28.00 ♦ \$56.00

Encyclopaedia of Cottage, Farm and Villa Architecture and Furniture

John Claudius Loudon



J.C. Loudon's immense and valuable work is now available in this slightly enlarged reprint of the 1846 edition. In two volumes it contains, in total, over 1300 pages with more than 2,000 illustrations; these include

engravings, drawings and plans of buildings and their elements.

It provides numerous examples of designs and construction methods for a variety of houses from small cottages to much larger country houses. It also includes designs and instructions for the building of farmhouses, agricultural buildings, inns as well as designs for small gardens. In addition, Loudon offers illustrated examples of the fixtures, fittings and furniture which might be appropriate to furnish such dwellings.

Part I: Designs of cottages for labourers, mechanics, country tradesmen and small farmers; of lodges for gardeners, bailiffs, land stewards and other superintendents on landed estates.

Part II: Designs for farm houses and farmeries; country inns, with farm buildings attached; fermes ornées, and villa farms.

Part III: Designs for cottage villas, and villas of the highest class, with their accompanying offices, and other buildings.

Above all, this work is an exciting adventure into architectural history. Well-illustrated, it is both nostalgic and invigorating, a pleasure to read. Architects' Journal

A new introduction by Eric Mercer can be viewed on our website www.donhead.com

2000 ♦ 1376 pages ♦ 2 vols ♦ Hardback

978 1 873394 42 7 ♦ £99.00 ♦ \$198.00



English Leadwork

Its Art and History

Lawrence Weaver

Lawrence Weaver was very much influenced by the philosophy of the Arts and Crafts movement. It brought about a resurgence of interest in lead as a building material, because through the use of the plumber's old craft skill, it could also be fashioned into practical but unique modern decorative elements.

This design reference work first appeared in 1909. With over 400 illustrations, this reprinted edition comprises black and white photographs and drawings of all the different types of lead ornaments and structures. It describes and documents many examples of decorative leadwork, which being durable and attractive lends itself in its simplicity to a multitude of forms. Whilst examining in detail the history and workmanship to be found on fonts, statues, urns and vases, the book also includes more modest structures such as pipes, pipeheads and rain-water cisterns.

The author also explores the use of lead in roofing, particularly for spires, steeples and domes, and points out that it is one of the most efficient of roofing materials, giving many excellent examples of its use on Sir Christopher Wren's churches in London.

Contents: Introductory chapter ♦ Fonts ♦ Rain-water pipeheads ♦ Cisterns ♦ Mediæval leaded spires ♦ Leaded steeples of the Renaissance ♦ Leaded domes, lanterns, and walls – a lost fountain ♦ Lead portrait statues ♦ Lead figures generally ♦ Vases and flower-pots ♦ Sepulchral leadwork ♦ Various objects and decorative applications of lead ♦ Modern leadwork ♦ Bibliography of papers, books, etc., on leadwork ♦ Index.

The book ... has so much to offer the historian, conservator, leadworking student and anyone with an interest and passion in one of the most neglected areas of historic building conservation. SPAB News

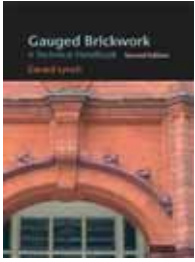
A new introduction by Andrew Naylor can be viewed on our website www.donhead.com

2002 ♦ 288 pages ♦ Hardback

978 1 873394 60 1 ♦ £62.00 ♦ \$124.00

Gauged Brickwork

A Technical Handbook Second Edition
Gerard Lynch



Gauged brickwork is a term used to describe the superior finish required in the details of an important brickwork elevation, such as moulded reveals, arches, string courses and other forms of ornamentation. This is achieved through shaping the individual bricks to produce a high degree of regularity, accurate dimensions and extreme fineness in the joints.

This practical handbook combines simple diagrams and photographs to describe each stage of the process, from rubbing, cutting and shaping the bricks to laying and carving them. It emphasizes the importance of this skill in repairing and repointing rubbed and gauged brickwork and the damage that can be done by those unskilled in the craft.

The second edition of this standard reference work has been substantially updated with new material, including additional photographs and illustrations to explain the various procedures and applications. It also now offers a fascinating and detailed historical perspective on the development of this important craft.

The insights gleaned from this revised edition will be extremely valuable to architects and builders involved in conserving and repairing gauged brickwork, and also to those who are required to commission new decorative work to a high standard.

Contents: Gauged brickwork ❖ Historical perspective ❖ Manufacture of rubbing bricks ❖ Equipment and tools ❖ Carved gauged brickwork ❖ Main architectural uses ❖ Repair, restoration and maintenance ❖ Tuck pointing ❖ Index.

Gerard Lynch brings together his extensive knowledge of the bricklayers art in a very handy and readable book. SPAB News

2006 ❖ 224 pages ❖ Hardback
978 1 873394 75 5 ❖ £39.00 ❖ \$78.00

The Geology of Building Stones

John Allen Howe



This major reference work, written in 1910 offers very detailed information on the appearance and qualities of the types of stone being used at the time, including granite, sandstones, limestones and other lesser known building stones. It also

covers stone decay, in particular the problems of pollution, frost and organic growth in the breakdown of stone.

Contents: Introductory ❖ Table of strata ❖ Minerals ❖ Igneous rocks – granite ❖ Igneous rocks other than granite ❖ Sandstones and grits ❖ Limestones ❖ Slates and other fissile rocks ❖ Miscellaneous building stones ❖ The decay of building stone ❖ The testing of building stones; Mohs's scale of hardness ❖ Appendices: Granite quarries; Classified list of larger sandstone quarries; Classified list of larger limestone quarries; List of chief slate quarries; Some useful books ❖ Index.

... the only all-embracing text of its kind available on British (and Irish) building stones. Journal of Architectural Conservation

2001 ❖ 496 pages ❖ Hardback
978 1 873394 52 6 ❖ £36.00 ❖ \$72.00

Heritage Conservation, Interpretation and Enterprise

Edited by J M Fladmark

The focus of this book is on the interpretation and presentation of heritage themes. It celebrates achievements and debates issues relating to the natural and built environment, the future of green tourism, planning and interpretation in museums, parks and private estates.

The authors include David Lowenthal on cultural landscapes; Charles McKean on architecture; Magnus Fladmark on strategic interpretation and Duncan Macmillan on the arts.

1993 ❖ 372 pages ❖ Hardback
978 1 873394 13 7 ❖ £42.00 ❖ \$84.00

Heritage and Identity

Shaping the Nations of the North

Edited by J M Fladmark

Was the shaping of nation states in Northern Europe governed by military might, or by Christian and democratic ideals? How has trade and cross-cultural exchange between Scandinavia and the British Isles shaped our historic identities, and what about the impact of global politics and marketing in recent times? These are some of the questions explored by the contributors in the context of forces that shape national identities today. Their analysis highlights the need for historical awareness when developing future cultural policy, brand profiles and marketing strategies.

Looking back, Jesse Byock tells how democracy was first embraced in the north by the early settlers of Iceland, Bjørn Myhre delves into the unpredictability of historical interpretation, Edward Cowan discusses the role of 'battles and beddings' in relations across the North Sea, John Purkis writes about William Morris' fascination with Nordic culture, Stephen Harrison presents the 'winning ways' of product development and marketing by Manx National Heritage, whilst Chris Powell looks at 'Cool Britannia' today and Simon Anholt at national branding strategies. An inspirational book that sheds new light on old subjects, equally relevant for both public and private sector policy makers alike.

2002 ❖ 352 pages ❖ Hardback
978 1 873394 55 7 ❖ £42.00 ❖ \$84.00

Heritage of the North Sea Region

Edited by L M Green and P T Bidwell

The contributions to this book cover issues concerned with the philosophy of conservation, the approaches to the protection of the historic environment and its interpretation, cultural tourism, social inclusion, as well as social and economic regeneration.

2002 ♦ 224 pages ♦ Hardback
978 1 873394 54 0 ♦ £39.00 ♦ \$78.00

History and Heritage

Consuming the Past in Contemporary Culture

Edited by John Arnold, Kate Davies and Simon Ditchfield

This collection addresses the division between history and heritage by looking at the ways in which we make use of the past, the way we consume our yesterdays. Looking at a wide variety of fields, including architectural history, museums, films, novels and politics, the authors examine the ways in which the past is invoked in contemporary culture, and question the politics of drawing upon 'history' in present-day practices. In topics ranging from *Braveheart* to Princess Diana, the Pittdown Man to the National History Curriculum, war memorials to stately homes, *History and Heritage* explores the presence of the past in our lives, and asks, how, and to what end, are we using the idea of the past? Who is consuming the past and why?

1998 ♦ 272 pages ♦ Hardback
978 1 873394 28 1 ♦ £39.00 ♦ \$78.00

House Decoration

Paul N Hasluck

Paul Hasluck's useful little book, first published in 1897, will provide the conservation practitioner with a valuable background to the types of paints employed at the time; how they were mixed and applied as well as the composition and origin of the pigments that were used. Whilst ready mixed paint was available, it was often made up by the painter, so the techniques and constituents required for mixing paint form a useful section in this book, particularly where a colour match for existing paint may be required. It also offers interesting background information on the decoration of all types of rooms and their architectural details, extolling the virtues of distemper, particularly for use in bedrooms, due to its cleanliness and healthy qualities.

Contents: On colour and paints ♦ Pigments ♦ Oils, driers, varnishes, etc ♦ Tools used by painters ♦ How to mix oil paints ♦ Distemper or tempera painting ♦ Whitewashing and decorating a ceiling ♦ Painting a room ♦ Papering a room ♦ Embellishment of walls and ceilings.

... this small book is a masterpiece of decorating knowledge condensed into a small space. *Salvo*

2001 ♦ 176 pages ♦ Hardback
978 1 873394 49 6 ♦ £20.00 ♦ \$40.00

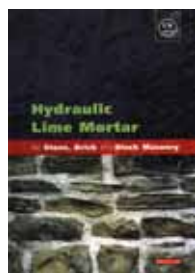
Hydraulic Lime Mortar

for Stone, Brick and Block Masonry

Geoffrey Allen, Jim Allen, Nick Elton,

Michael Farey, Stafford Holmes,

Paul Livesey and Mileva Radonjic



This best practice guide will prove invaluable for all building practitioners, contractors and tradesmen specifying or handling hydraulic lime on site. Including useful tables and charts containing all the required data to support the text, along with colour illustrations showing lime mortar in use, it also offers practical guidance on:

- The functions and properties of hydraulic lime
- The constituent materials
- Mixing, reworking, protection and aftercare
- Mortar selection for durability
- Health and safety issues

Contents: Preface ♦ Introduction ♦ Materials ♦ Mortar mix design ♦ Mortar properties ♦ Workmanship ♦ Design for strength ♦ Mortar selection for durability ♦ Evaluation of conformity ♦ Craftsman's best practice guide ♦ Bibliography ♦ Further reading ♦ Glossary ♦ Appendix A: Scheme for assessment of conformity of site-made mortar ♦ Appendix B: Additions ♦ Appendix C: Microstructure of mortars.

... a welcome and invaluable publication for all those concerned with hydraulic limes. *Journal of Architectural Conservation*

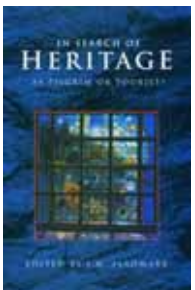
It is unlikely that more definitive, clearly presented information on this subject will become available for a long time. In the absence of suitable British or European Standards, the book is an indispensable reference for anyone intending to specify hydraulic lime mortar for masonry. Context

2003 ♦ 104 pages ♦ Paperback
978 1 873394 64 9 ♦ £20.00 ♦ \$40.00

In Search of Heritage

As Pilgrim or Tourist?

Edited by J M Fladmark



The intriguing hypothesis of this volume is that the medieval pilgrim industry was the start of modern tourism. Although triggered by religious motivation, it is argued that pilgrims were equally driven by a desire for adventure, discovery and cultural enrichment. The authors confirm that

we can learn much from studying the past, both about the motivation for travel and about how to attract visitors.

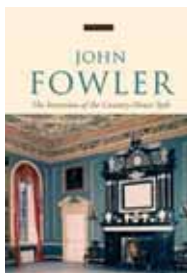
A panoramic range of insights and possibilities for the development of cultural tourism with a wider appeal. Vigilo

1998 ♦ 512 pages ♦ Hardback
978 1 873394 24 3 ♦ £42.00 ♦ \$84.00

John Fowler

The Invention of the Country-House Style

Edited by Helen Hughes



The eminent interior designer, John Fowler, was responsible for transforming some of Britain's most important historic interiors. The 'Fowler style' was tacitly accepted as the correct style for the decoration of a period interior, despite the fact that this

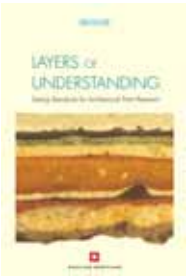
appearance of understated elegance and comfort was in fact entirely an American invention. This fascinating and controversial review of Fowler's work, containing full colour illustrations, offers an important discussion of the treatment of historic interiors and highlights his concern to create visually successful rooms rather than to merely replicate earlier interiors. The impact Fowler had on his contemporaries was immense and long-lasting, so much so that today the 'Fowler style' has come to be considered by some as the only style for the decoration of a country house.

Contents: Foreword *Sir Neil Cossons* ♦ Introduction *Helen Hughes* ♦ Working with John Fowler *Peter Inskip* ♦ John Fowler and the National Trust *Tim Knox* ♦ Recent Investigations of Fowler Schemes *Christine Sitwell* ♦ Inspired by the Past? *Patrick Baty* ♦ Colour in Historic Houses in Public Ownership *Ian Bristow* ♦ John Fowler and Nancy Lancaster at Kelmarsh Hall *Marianne Sühr* ♦ Paint Samples from the Entrance Hall at Kelmarsh *Ian Bristow* ♦ English Country-House Style: the English Country House as it might have been but never was *Louise Ward* ♦ Index.

In association with English Heritage

2005 ♦ 96 pages ♦ Colour ♦ Hardback
978 1 873394 59 5 ♦ £33.00 ♦ \$66.00

Layers of Understanding Setting Standards for Architectural Paint Research



Recording the proceedings of English Heritage's national seminar, this book describes and explains architectural paint research and its role in understanding and managing historic buildings.

The contributions are designed to promote the development of standards and guidelines for use by clients and consultants, helping to shape this vital new discipline. It therefore includes edited transcripts of the ground breaking discussion sessions on the proposed English Heritage guidelines and other important issues. The statutory requirements relating to painted interiors of listed buildings is another very problematical issue which has been considered in detail. In addition, guidance is provided on commissioning paint research and the pitfalls to avoid.

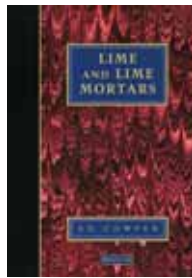
Contents: Foreword *Helen Hughes* ❖ Introduction: architectural paint research in a wider context *Kate Clark* ❖ Historic overview *Ian Bristow* ❖ Problems facing the development of architectural paint research *Helen Hughes* ❖ Some tips on commissioning architectural paint research *Patrick Baty* ❖ Architectural paint research in practice *Ian Jardin* ❖ Architectural paint research: the Dutch experience and perspective *Angelique Friedrichs* ❖ Statutory requirements: listed building requirements and PPG 15 *James Edgar* ❖ Formulating procedures for architectural paint research *Tina Sitwell* ❖ Proposed guidelines for commissioning architectural paint research *Helen Hughes* ❖ Discussion sessions ❖ Conclusion *Kate Clark* ❖ Appendix I: architectural paint research chart and categorization system *Helen Hughes* ❖ Appendix II: paint strippers – the naked truth *Cathy Proudlove* ❖ Bibliography ❖ Index.

... a valuable contribution to the debate about when and how architectural paint research should be applied. *Journal of Architectural Conservation*

2002 ❖ 108 pages ❖ Paperback
978 1 873394 58 8 ❖ £32.00 ❖ \$64.00

Lime and Lime Mortars

A D Cowper



Lime and Lime Mortars was first published in 1927 by the Building Research Station to provide a classification of lime and a 'state-of-the-art' review of its various uses in building construction and repair. This new facsimile edition will be of

substantial interest and practical value since the methods, terminology and practices detailed by Cowper are still valid today.

A brief historical introduction to the subject is followed by a section on the process of lime burning which emphasizes the differences in behaviour of the various classes of limes. The results of research and tests to determine the most reliable and lasting limewashes and lime based cold water paints are also detailed. In addition, this book provides useful information on the common problems occurring with lime plasters and how these can be solved. The classifications, based on Vicat's research, and the suggested specifications in this book offer helpful guidelines for the conservation practitioner.

Contents: Introduction; historical; the process of lime burning; classification; the uses of lime in building; limewashes; lime plaster; pozzolanas; mortars and concrete; specifications; bibliography; short glossary of terms; index.

... warmly recommended as it is as relevant today as it was 60 years ago.
Journal of Architectural Conservation

Interesting, informative knowledgeable ... If you are in, or into conservation it looks like essential reading. Masonry International

A new introduction by Tim Yates can be viewed on our website www.donhead.com

1998 ❖ 96 pages ❖ Paperback
978 1873394 29 8 ❖ £20.00 ❖ \$40.00

Masonry, Bricklaying and Plastering

Robert Scott Burn

This reprint of Robert Scott Burn's 1871 original work contains over 400 pages of text and 160 plates. These include a large number of exquisite drawings of different parts of buildings, including: window, door and wall details in various styles; arches; staircases; consoles and brackets in stone and terracotta; hollow and ornamental brickwork and designs for shop fronts.

Contents (abridged): Materials employed in construction: Stones – their varieties, constituents and natures ❖ Bricks ❖ Limes, cements, mortars, concrete, beton ❖ Metals ❖ **Practical construction in masonry and brickwork:** Foundations ❖ Formation of embankments for reservoirs, riverbanks and sea margins ❖ Stone cutting – shaping of stones for arches, groins, domes, niches, steps ❖ Stone in buildings of walls – retaining walls, arches ❖ Brick in building – bond, hollow walls, vaults, groins, arches, prevention of damp in walls, modes of using mortar ❖ Earth, cement and concrete in the formation of walls ❖ Timber and iron in conjunction with mortar, concrete stone and brick in fireproof construction ❖ Appliances used in building – tools, machines, scaffolding, hoists ❖ **Principles and practice of design:** General view of the styles of architecture ❖ Styles of domestic architecture ❖ Principles of design ❖ Application and working of styles – the classical orders, their parts and proportions, mouldings, domestic, Gothic, Elizabethan and Italian styles in doors, windows and chimney shafts ❖ Practical drawing, projection, intersection of solids, development of surfaces, projection of shadows, perspective ❖ Planning and designing domestic structures ❖ Sanitary arrangements and economical appliances of buildings ❖ Plastering and wall decoration in plaster and other recently introduced materials ❖ Specifications, measurement and estimates.

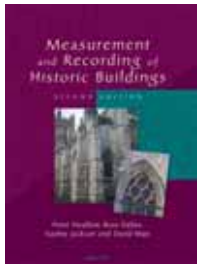
... provides a fascinating insight into earlier best practice and covers a much wider range of construction issues than is indicated in the title... This book is a valuable source of reference when dealing with buildings of the Victorian period.
Building Engineer

2001 ❖ 640 pages ❖ Hardback
978 1 873394 48 9 ❖ £67.00 ❖ \$134.00

Measurement and Recording of Historic Buildings

Second Edition

Peter Swallow, Ross Dallas, Sophie Jackson and David Watt



Now in its second edition this book provides a practical guide to measured building surveys with special emphasis on recording the fabric of historic buildings. It includes two new chapters dealing with modern survey practice using

instruments and photographic techniques as well as a chapter examining recording methods as used on a specific project case study undertaken by the Museum of London Archaeology Service.

Contents: Preface ❖ Basic measured survey practice ❖ Surveying equipment ❖ Elementary land survey ❖ Levelling ❖ Preliminaries to the measured survey ❖ Building measured survey I: Preparing sketches ❖ Building measured survey II: measuring ❖ Building measured survey III: Plotting and presentation ❖ Surveying with instruments ❖ Photographic based recording methods ❖ Historic building recording ❖ Appendix A: Hand signals ❖ Appendix B: Ordnance Survey maps ❖ Appendix C: Common Abbreviations ❖ Appendix D: Setting out for common arch shapes ❖ Appendix E: Common mouldings ❖ Appendix F: Practical examples: using rod and tape ❖ Appendix G: Practical examples: Plotting on the spot ❖ Appendix H: Practical examples: recording a vernacular building ❖ Appendix I: Procuring measured surveys ❖ References ❖ Bibliography ❖ Index.

This work must be the supreme authority on the subject. ASCHB

... a practical description of traditional and modern survey methodology. English Heritage Conservation Bulletin

2004 ❖ 224 pages ❖ Hardback
978 1 873394 62 5 ❖ £37.00 ❖ \$74.00

McKay's Building Construction

William Barr McKay



This is a new reprint of the combined three volumes that McKay published between 1938 and 1944.

It primarily describes the craft of building as practised before the second world war, prior to the introduction of modern materials and building techniques. McKay offers conservation practitioners an essential understanding of the traditional forms of construction, covering the use of masonry and brickwork, carpentry and joinery, slating, plumbing and drainage. The book includes:

- the author's extensive, highly detailed drawings to illustrate the text
- useful material on traditional craft practice – essential for undertaking repairs
- explanations of terminology and techniques – simply described

Contents (abridged): **Volume I:** Brickwork ❖ Masonry ❖ Joinery ❖ Slating ❖ Plumbing ❖ Mild steel sections, bolts and rivets ❖ Homework programme.

Volume II: Brickwork ❖ Drainage ❖ Masonry ❖ Mild steel roof trusses ❖ Homework programme.

Volume III: Carpentry ❖ Joinery ❖ Roof coverings ❖ Homework programme ❖ Syllabus in building construction, stage two ❖ Index to three volumes.

Detailed contents and a new introduction by Henry Russell can be viewed on our website www.donhead.com

This book is a treasure trove of information on building construction at the craft level as practiced in the early to middle part of the last century. Property Care

2005 ❖ 480 pages ❖ Hardback
978 1 873394 72 4 ❖ £69.00 ❖ \$138.00

Modern Matters

Principles and Practice in Conserving Recent Architecture

Edited by Susan Macdonald



The contributions to this book consider recent developments in the protection and care of twentieth-century buildings and examine the philosophical, methodological and practical problems associated with conserving our recent past.

Contents:

Introduction *Chris Green*

❖ **Part I Current philosophy legislation and practice** Listing twentieth century buildings: the present situation *Martin Cherry* ❖ Philosophical principles of modern conservation *Andrew Saint* ❖ Management issues and Willis Corroon *Bob Kindred* ❖ Interiors and exteriors: acquiring modern buildings for the nation *Edward Diestelkamp* ❖ Alexandra Road, London *Catherine Croft* ❖ Tecton Buildings, Dudley Zoo *David Heath* Failure and success in the Upper Severn Valley *John Yates* ❖ The windows of Churchill Gardens *Elain Harwood* ❖ The University of Sussex *Richard Morrice* ❖ **Part II Practical solutions to conservation problems** Reconciling authenticity and repair in the conservation of modern architecture *Susan Macdonald* ❖ Reinforced concrete: principles of its deterioration and repair *Gareth Glass and Nick Buenfeld* ❖ Corrosion-damaged concrete: practical assessment, protection and repair *Peter Pullar-Strecker* ❖ Metal windows: technology and options for repair *Peter Johnson* ❖ Conservation of modern buildings: a practitioner's view *John Allan* ❖ Mosaic-clad concrete: recent research *John Streeter* ❖ Restoring Wright: Florida Southern College *Adam Brown, John Figg, John McAslan, Liam O'Hanlon and Kendrick White, Troughton McAslan and Ove Arup & Partners* ❖ High tide for modern heritage: Rietveld's Biennale Pavilion (1953–54) *Wessel de Jonge* ❖ Bibliography.

... an entertaining and thought provoking book and an essential contribution to the evolving literature on the conservation of what will soon be known as 'last' century. Context

1996 ❖ 208 pages ❖ Hardback
978 1 873394 23 6 ❖ £38.00 ❖ \$76.00

Modern Practical Masonry

Edmund George Warland

One of the classic works in the field of stone masonry, E G Warland's book, which was first published in 1929, remains an essential reference for stone masons and conservation practitioners working with historic buildings. It provides a clear and simple guide to the subject, based on meticulous and beautiful drawings. Organized in three sections, it includes chapters on construction details; methods of working particular structural shapes; both basic and advanced geometry and setting out. It also includes forms and tables omitted from later editions to be used as templates for costing and estimating work. These are as relevant today as they were in the 1920s. With a new introduction by Christopher Weeks.

Contents: Section I: **Constructional and practical masonry.** Description of tools ❖ Description of machines in use ❖ Details and construction ❖ Hoisting and setting of stonework ❖ Principles of stone cutting ❖ Building stones.

Section II: The geometry of masonry. Plane geometry and setting out ❖ Solid and descriptive geometry and setting out ❖ **Section III: Costing and Estimating.** Masonry costing and estimating. ❖ Glossary ❖ Index.

Warland's *Modern Practical Masonry* remains the mason's bible. *Journal of Architectural Conservation*

2006 ❖ 368 pages ❖ Hardback
978 1 873394 76 2 ❖ £45.00 ❖ \$90.00

The Modern Plasterer

W Verrall

The new Introduction to this edition states: *Whereas Mr Millar's book assumes a certain amount of existing experience and understanding Verrall starts at a level which is more akin to the understanding of the modern reader. This really is, therefore, an excellent reference book for anyone wanting to rediscover and learn about traditional plastering.*

This classic work, now combines two volumes in one book and provides an invaluable source of information, not only for plasterers but also for designers and specifiers who want to understand plastering methods and materials better. Verrall starts at a basic level then progresses to more complex work and provides copious drawings and diagrams to illustrate the material. He presents detailed information on the characteristics of different plaster and their uses, the varieties of lathing available and how to apply and finish flat lime plaster. It also explains how to set up and run different types of mouldings, the casting of mouldings and uses of fibrous plaster.

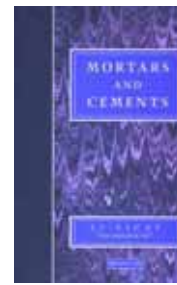
Contents: Volume I: Introductory ❖ Ancient and Asiatic plaster ❖ Modern decorative plaster ❖ Ceilings: decorative and otherwise ❖ Plastering materials ❖ Portland cement ❖ How to make concrete ❖ Selection of materials ❖ Preparing the base for plastering ❖ Lathing ❖ Plasterers' tools ❖ Scaffolding and plant ❖ Interior plastering ❖ Running cornices and mouldings ❖ Volume II: Suitable Sands for lime and cement plasters ❖ Panel mouldings ❖ Moulding and casting ❖ Jelly moulds ❖ Pilasters and columns ❖ Cement hearths and floors ❖ Exterior plastering and waterproofing ❖ Fibrous plaster ❖ Repair work ❖ The restoration of plaster ceilings; Plastering by spraying ❖ Portland cement stucco ❖ Modelling in plaster and plastic concrete ❖ Miscellaneous decorative processes ❖ Gesso ❖ Surface treatment of plaster and cement ❖ Artificial marbles and granite ❖ Concrete and plastic floors ❖ Specifications ❖ Glossary of terms for plasterers ❖ Appendix ❖ Index.

This is unquestionably a wonderful book... a milestone work of humbling significance and continuing practical value. *Journal of Architectural Conservation*

2000 ❖ 512 pages ❖ Hardback
978 1 873394 45 8 ❖ £65.00 ❖ \$130.00

Mortars and Cements

L J Vicat



This reprint of Vicat's investigations into the nature and use of limes, first published in English in 1837, is of immense importance as it critically reviews the practices of the time, sifting the good ones from the bad by careful experiment. The classification which Vicat

prepared is still valid today and enables the best possible use to be made of any lime, particularly for hydraulic works.

Contents: Limestones ❖ Calcination of limestone ❖ Hydraulic limes ❖ Slaking of limes ❖ Expansion of limes ❖ Hydrates of lime ❖ Sands and their qualities ❖ Pouzzolanas ❖ Mortars or cements intended for immersion, exposed to the weather, or subjected to constant damp soil ❖ Natural cements ❖ Ancient mortars ❖ Other theories of calcareous mortars and cements.

The classification which Vicat prepared is still valid today and enables the best use to be made of lime, particularly for hydraulic works *RIBA Conservation Forum*

1997 ❖ 352 pages ❖ Hardback
978 1 873394 26 7 ❖ £32.00 ❖ \$64.00

Observations on Limes

C W Pasley

This facsimile edition of key extracts from the book Sir Charles Pasley wrote in 1838 provides a fascinating insight into the developments using lime during the eighteenth and early nineteenth centuries.

Pasley has summarized and explained the work and experiments of the most important authors of the period including Smeaton (1791), Parker (1796), Vicat (1818 and 1828), Treussart (1829) and Godwin (1836). Pasley's text reveals the contrast between those, like Dr Higgins, who set out to achieve exceptional performance from the simplest of limes, and others such as John Smeaton, who understood how strength for the toughest conditions could be achieved from impure limes.

1997 ❖ 160 pages ❖ Hardback
978 1 873394 27 4 ❖ £23.00 ❖ \$46.00

Old House Care and Repair

Janet Collings



Owners of old houses are often baffled by the confusing advice they receive from their builders, architects or surveyors who may be more familiar with repairing modern buildings than dealing with the issues associated with

traditional houses. Old houses generally require a different approach, one, for instance, which takes account of their need to 'breathe'. Modern solutions do not always recognise that need.

This book will help owners, builders and all construction professionals make the decisions that are right for the building. It illustrates the long term benefits of using more traditional solutions on older houses rather than modern materials like cement based mortars, sealants or impervious paints.

It offers practical guidance on: how to get the right professional advice; legal requirements for listed buildings; problems with damp and rot; use of lime mortars, plasters and renders; the benefits of using water based paints; why old buildings need to breathe; planning applications.

Contents: Introduction ❖ The nature of old buildings ❖ Legal responsibilities of ownership ❖ Professional help, money and time-scales ❖ What causes old buildings to decay ❖ Maintenance, repair and what to avoid ❖ Alterations and extensions ❖ Preventative measures and wildlife ❖ Interiors and their care ❖ Surrounding an old house ❖ Trees and gardens ❖ Conclusions ❖ Appendix – lime ❖ Further reading ❖ Websites ❖ Index.

Whether you are planning extensive repairs and alterations to your house, or simply want to know more about it and how to look after it more knowledgeably, this book is a good place to start.
SPAB News

2002 ❖ 208 pages ❖ Paperback
978 1 873394 70 0 ❖ £22.00 ❖ \$44.00

Plastering Plain and Decorative

William Millar

The first edition of this important book was originally published in 1897, but it is still viewed by most traditional plasterers as the plastering 'bible'. Now available in this facsimile edition this impressive volume presents a comprehensive coverage of traditional plasterwork, including everything from plain lime plastering through to hand modelling and cast plasterwork. Written by William Millar, who had practical first hand experience of using these methods, the book provides a fascinating and unique record of a craftsman's intimate knowledge of these traditional materials and techniques.

- the only detailed work currently available on this subject
- a vital record of craft skills being practised 100 years ago
- fully illustrated examples of decorative ceilings and other features
- in depth instructions for making casts and moulds

Contents: Introduction – plastering plain and decorative, a glimpse of history ❖ Historical plastering in England, Scotland and Ireland ❖ Materials ❖ Lime plastering ❖ Decorative ceilings ❖ Running diminished and circular mouldings ❖ Exterior plastering ❖ Modelling ❖ Moulding and casting ❖ Model and running mould making ❖ Gelatine moulding ❖ Fibrous plaster work ❖ Reverse moulding ❖ Compositions ❖ Scagliola ❖ Foreign plaster work ❖ Terra cotta ❖ Concrete ❖ Rudimentary geometry and architecture ❖ Tools and appliances ❖ Appendix and index.

Any young professional working in historic buildings should be made to read it from cover to cover ... SPAB News

For anyone interested in or who needs to know about plastering ... Structural Survey

1998 ❖ 768 pages ❖ Hardback

New

Plastering Plain and Decorative Fourth Edition

William Millar and George R Bankart

Plastering Plain and Decorative has long been regarded as one of the most useful sources of information for anyone working in the field of decorative plastering. But until now only the extensively detailed first edition from 1897 has been available from Donhead.

This fourth edition was substantially rewritten and revised by George Bankart in 1927. As well as introducing four completely new chapters (on lime-stucco, modern plasterwork, modelling in relief and exterior plastering and sgraffito), others were considerably updated with new information, whilst some were excluded. This volume is consequently shorter and very different from the original. But as a result of Bankart's involvement it has become more accessible for a professional readership and no longer chiefly the province of the craftsman plasterer. The professional plasterer may still want to own and use the original 'Millar' but for others this fourth edition offers exactly the right balance of scholarship and practical expertise.

Contents: New Introduction by Jeff Orton and Tim Ratcliffe ❖ Preface ❖ A Prefatory Note ❖ Author's Preface ❖ Plasterwork Generally – A Glimpse of its History, by G. T. Robinson ❖ Eastern and Continental Plasterwork ❖ Lime-Stucco Plasterwork (Stucco-duro) in Principle and Practice, by G. P. Bankart ❖ Modern Plasterwork, by G. P. Bankart ❖ Modelling and Design in Relief – as Specially Applicable to Plasterers' work, by G. P. Bankart ❖ Tools and Appliances ❖ Materials ❖ Materials (Continued) ❖ Of Decorative Ceilings Generally: Solid Work ❖ Running Diminished and Circular Mouldings ❖ Exterior Plastering and Sgraffito ❖ Model and Running Mould Making ❖ Moulding and Castings ❖ Gelatine Moulding ❖ Fibrous Plasterwork ❖ "Reverse" Moulding ❖ Compositions ❖ Compositions (continued) ❖ Plasterers' Memoranda, Quantities, Weights and Recipes ❖ Appendix: Notes on some recent developments in American Plastering ❖ Index to Text ❖ Index to Illustrations

2009 ❖ 496 pp ❖ Hardback
978 1 873394 87 8 ❖ £65.00 ❖ \$130.00

Plastering

J T Sawyer

Sawyer's seminal work was first published in 1951. It offers straightforward practical instruction on the tried and tested methods of plastering as it was practised in the traditional way before the Second World War. It includes very useful drawings of the different features, including the tools, running moulds and geometry for setting out. The chapter describing running mouldings *in situ* will be of particular interest to the conservation practitioner since this method is now rarely used, but is considered the correct way to repair historic plasterwork. Jeff Orton and Tim Ratcliffe have provided a valuable Introduction to the book which not only gives an interesting background to the author but also comments on the materials or methods which are no longer considered appropriate.

Contents: Tools ❖ Plant and equipment ❖ Materials ❖ Templates and appliances ❖ Running moulds ❖ Plain interior plastering ❖ Plain exterior plastering ❖ Interior moulding ❖ Exterior moulding ❖ Benchwork ❖ Measuring and estimating ❖ Geometry and drawing ❖ Index.

Whilst not as comprehensive as William Millar's magisterial Plastering Plain and Decorative, published 50 years earlier (and also reprinted by Donhead), Sawyer's Plastering is perhaps more accessible to the modern reader who seeks a plain no-nonsense guide, to set them on the path to develop their craft knowledge and skills to a level that was once commonplace amongst Georgian, Victorian and Edwardian plasterers. Journal of Architectural Conservation

2007 ❖ 144 pp ❖ Hardback
978 1 873394 83 0 ❖ £32.00 ❖ \$64.00

Practical Architecture

C W Pasley

Pasley's work, first written in 1826, is primarily concerned with building construction, concentrating on all aspects of brickwork, rather than being a general work of architecture. It provides useful information on how buildings were being constructed at the time, and the type of limes and cements that were used. In addition to the material on mortars and cements, it examines in detail the bonds in brickwork and provides full coverage of different types of arches and how they are formed. It also explains the specific aspects relating to the construction of hollow or double walls; copings; chimneys and chimney breasts; gateways; brick ornamentation and so on.

Pasley's work is bound to be of great help to architects and surveyors involved in the conservation of brick buildings of the nineteenth century Building Conservation Journal

2001 ❖ 288 pages ❖ Hardback
978 1 873394 47 2 ❖ £30.00 ❖ \$60.00

New

Practical Masonry

5th Edition

William R Purchase

First published in 1896, *Practical Masonry* has for many years been one of the best technical stonemasonry books for both apprentices and experienced masons. It has continued to be used as a template and a guide for the handful of technical books on stonemasonry that have been written since then.

The author, W. R. Purchase, realised that there was a shortage of written information on masonry and that valuable techniques and skills were in danger of being lost. Having worked for years as a mason on some of the most important buildings in England, Purchase had extensive practical knowledge, which he combined with detailed research to produce a concise technical book. This proved to be so popular that he had to revise and update it four times in the eight years after publication.

The fifth edition was published in 1904, and by then Purchase had added a number of chapters including Roman and Grecian mouldings (both illustrative), Masonry Estimating and Quantity Surveying; Building Stones, marble and granite (including detailed lists of specific stones available), a glossary of terms and Tables of Diameters, Circumferences and Areas of Circles. In addition, it is considerably more detailed than the first edition, providing in depth technical information – for instance, on the setting out of arches in all their forms, ramp and twist staircases, domes, vaulting and tracery windows. As a result it is one of the most relevant and useful practical books for anyone with an interest in masonry, be they apprentice, skilled mason or conservation practitioner.

Contents: New Introduction by Richard Hoyle and Daren Tailby ❖ Tools and Appliances ❖ Arches and Joints ❖ Masonry Details ❖ Staircases ❖ Circular Work (Ramp And Twist) ❖ Arches, Circular On Plan ❖ Skew Arch And Niches ❖ Cylindrical Vaulting ❖ Domes & Pendentives ❖ Groined Vaulting ❖ Groined Vaulting (Continued) ❖ Tracery Windows ❖ Gothic Mouldings ❖ Grecian Mouldings ❖ Roman Mouldings ❖ Supplementary Matter ❖ Masonry estimating and quantity surveying ❖ Building stones ❖ Lists of stones: sandstones, limestones, alabaster, marbles: foreign, British, Irish; granites ❖ Tables of diameters, circumferences, and areas of circles ❖ Glossary of terms used in masonry and stone cutting.

2009 ❖ 232 pages ❖ Hardback
978 1 873394 86 1 ❖ £35.00 ❖ \$70.00

Practical Stone Masonry

P R Hill and J C E David

The work of the stonemason requires a full working knowledge of the detailed traditional craft practices relating to repairs. This book includes the following topics: The basic methods of working stone; How to make specialized tools; The procedures for setting-out for repairs; The nature and problems of stone, plus a guide to selection; Methods for the repair of stone and masonry.

Contents: An architectural history of the trade
 ❖ Health and safety at work ❖ Stone: its nature and problems ❖ Setting-out: the fundamentals
 ❖ Setting out: the application of geometrical shapes ❖ Masons' hand tools ❖ The banker shop, lifting tackle and machinery ❖ Mortar
 ❖ Working stone ❖ Fixing ❖ Cleaning methods
 ❖ Supervision and specification ❖ Training into the 21st century ❖ Glossary of architectural and technical terms.

it should be obligatory reading for all stone masons, as well as other professionals involved in the industry. Natural Stone Specialist

1995 ❖ 288 pages ❖ Hardback
 978 1 873394 14 4 ❖ £37.00 ❖ \$74.00

Preserving Post-war Heritage

The Care and Conservation of
 Mid-Twentieth Century Architecture
Edited by Susan Macdonald

This international collection of papers examines the specific management and practical issues relating to post-war construction which are commonly encountered by conservation professionals. Part I deals with the historical context and the framework for protection of post-war architecture in Britain. Part II examines structural issues, materials and services, with particular emphasis on diagnosis and assessment of problems and the options for repair. The topics covered include reinforced concrete, plastics, services, clad frame construction and curtain walling. The papers are supported by case studies illustrating recent, successful conservation and repair projects, a summary of the proceedings, sources of information and bibliography.

2001 ❖ 272 pages ❖ Hardback
 978 1 873394 35 9 ❖ £38.00 ❖ \$76.00

Processes of Urban Stone Decay

Edited by B J Smith and P A Warke

This volume offers a multi-disciplinary approach to the study of decay processes. It shows the range of current work and the possibilities for alternative approaches to problem solving. It begins with an overview of some of the theoretical issues, looks at the processes of stone decay, and then reviews the methods used in the analysis of stone durability and weathering response to environmental conditions. It concludes with some specific examples of research and conservation practice

1996 ❖ 288 pages ❖ Hardback
 978 1 873394 20 5 ❖ £37.00 ❖ \$75.00

Rivington's Building Construction

P Smith

When this series first appeared in 1875 it was considered the best textbook on the subject, as it provided comprehensive coverage of all aspects of building construction work. This new reprint of the revised 1904 edition, in 3 volumes, contains over 1,350 pages of text and useful line drawings. Volume 1 covers brickwork, carpentry and roofing, giving detailed practical guidance on all aspects of the work and offering definitions of the terms used. Volume 2 includes sections on joinery, stairs and floors with Volume 3 providing detailed information on materials, including stone, brickwork, lime and paint.

Contents: **Volume 1:** Walling and Arches
 ❖ Brickwork ❖ Masonry ❖ Brickwork and masonry ❖ Carpentry – joints and fastenings
 ❖ Carpentry – floors ❖ Carpentry – timber beams, curved ribs, and trussed timber girders
 ❖ Carpentry – partitions ❖ Carpentry – centres
 ❖ Carpentry – timber roofs; roof coverings
 ❖ Slating ❖ Plumber's work ❖ Steel and iron girders ❖ Riveting ❖ Steel or iron roofs.
Volume 2: Foundations ❖ Excavations – Shoring – scaffolding ❖ Plumbing and sanitation
 ❖ Sanitary fittings ❖ Joinery ❖ Stairs ❖ Fireproof floors ❖ Plasterer's Work ❖ Painting – paperhanging – glazing ❖ Heating and ventilating buildings ❖ Electric and gas lighting ❖ Materials
 ❖ Stresses in structures **Volume 3:** Stone
 ❖ Bricks, tiles, terra cotta ❖ Limes, cements, mortar, concrete, plasters, and asphaltes
 ❖ Metals ❖ Timber ❖ Paints and varnishes
 ❖ Glass ❖ Paperhanging ❖ Miscellaneous.

...the comprehensiveness of Rivington's, and the efforts over a long period to keep it current makes it an invaluable aide memoir to the detail of late Victorian and Edwardian construction. ... it is invaluable where specific information and understanding of the period is required.
Journal of Architectural Conservation

Detailed contents and a new introduction by Lawrance Hurst can be viewed on our website www.donhead.com

2003 ❖ 1376 pages (3 volumes)
 978 1 873394 66 3 ❖ £99.50 ❖ \$199.00

Roof Slating and Tiling

Frank Bennett and Alfred Pinion

This facsimile edition of Bennett and Pinion's classic work, first published in 1935, provides an invaluable source of information on all aspects of the slating and tiling industry. It examines the various types of roof coverings that were traditionally used, such as slates, clay tiles and shingles, and includes basic aspects such as sorting and holing slates, through to more complex aspects involved in sorting and setting out a diminishing course roof, and forming swept and laced valleys. The book also looks at special roofing techniques relating to curved roofs and cupolas. It considers the care of roofs, discussing the faults which can appear, and why they may have occurred, and then how best to repair them.

Contents: Roof coverings ❖ Slates and their characteristics ❖ How a simple roof is slated ❖ Groundwork ❖ Slating generally ❖ Manufacture and characteristics of roofing tiles ❖ Plain tiling ❖ Tile and slate hanging ❖ Single-lap tiling ❖ Special roofing ❖ Stone slating ❖ Roofing with wood shingles ❖ Quantities ❖ Roof repairs ❖ Other uses of tiles ❖ Estimating, measuring and pricing ❖ Slating and tiling in Scotland.

For those seeking more information on traditional roofing it is marvellous to have this book in print again. RICS Building Conservation Journal

... a hands-on book aimed primarily at roofers who wanted to broaden their skills, well illustrated and laid out, full of detail and examples, and written with an engaging enthusiasm. ... a minor classic Journal of Architectural Conservation

2001 ❖ 384 pages ❖ Hardback
978 1 873394 46 5 ❖ £46.00 ❖ \$92.00

Sharing the Earth

Edited by J M Fladmark

Our heritage is rooted in local cultures and environments, yet the international bias of modern communication may threaten to degrade this inheritance. Is it possible to accommodate multinational companies and mass tourism, or to export concepts like Disney World from one place to another without destroying valued vernacular traditions? This volume addresses these questions and explores issues critical to the sustained use of the Earth's heritage for the cultural and economic benefit of local communities.

The papers examine the foundations of cultural identity and look at what communities gain or lose in a rapidly changing world order. The authors include Magnus Linklater on the impact of today's global media; Jim Hunter on the balance of nature and people in Highland Scotland; Michel Thomas-Pemette on cultural routes; Robert Gordon Reid on the freedom to roam and Richard England on the spirit of place in architecture.

1995 ❖ 440 pages ❖ Hardback
978 1 873394 19 9 ❖ £42.00 ❖ \$84.00

Stone Cleaning and the nature, soiling and decay mechanisms of stone

Edited by Robin G M Webster

The debate concerning the best methods for cleaning stone buildings, particularly those constructed of sandstone is recorded in these contributions. They examine the reasons for building soiling, the problems of weathering and microbiological damage, and the types and effects of chemical and wet/dry abrasive cleaning methods. The book also includes case studies such as the cleaning of the Palace of Westminster and the weathering of the statues of the Prato della Valle in Italy.

1992 ❖ 320 pages ❖ Hardback
978 1 873394 09 0 ❖ £35.00 ❖ \$70.00

Stone Conservation Principles and Practice

Edited by Alison Henry



The conservation of stone buildings and monuments requires not only a good understanding of the essential repair techniques, but an ability to diagnose problems and to identify the appropriate remedial action that may be required.

This important and timely publication brings together contributions from leading craftsmen and stone conservation practitioners. It discusses the philosophical principles on which stone conservation is founded and the need to understand the full history and development of a building before starting work. Other topics covered include consolidation, cleaning, and the replacement of stone; conservation of different stone types, including limestone, sandstone, and marble; problems of dealing with polychrome stone; and finally, issues relating to church monuments and graveyards, taking account of the need for good maintenance and health and safety requirements. The book is illustrated with the authors' own examples of stone conservation in practice.

Architects, surveyors and craftsmen involved in the conservation of stone structures will find this both a practical and useful reference work.

Contents: Foreword John Ashurst ❖ Introduction Alison Henry ❖ The Historical Context Peter Burman and Michael Drury ❖ Restoration versus Conservation Michael Drury ❖ The Role of Archaeology Jerry Sampson ❖ Principles and Practice Nicholas Durnan and Colin Muir ❖ Sourcing and Selection of Stone for Repair Ewan Hyslop ❖ Consolidation Clifford Price ❖ Cleaning Techniques Kyle C Normandin and Deborah Slaton ❖ Limestone Nicholas Durnan ❖ Sandstone Colin Muir ❖ Marble Jonathan Kemp ❖ Polychrome Stone Christopher Weeks ❖ Church Monuments David Carrington ❖ Graveyard Memorials Chris Daniels ❖ Index.

This is an inspired publication: every chapter has its own author or co-authors enabling a high level of expertise to be maintained on a diverse series of related subjects dealing with almost every aspect of stone conservation. Cornerstone, SPAB

This is an excellent book. For all those connected in any way with stone whether professionally or practically it should be required reading. Journal of Architectural Conservation

2006 ❖ 352 pages ❖ Hardback
978 1 873394 78 6 ❖ £42.00 ❖ \$84.00

Stone Decay Its Causes and Controls

Edited by B J Smith and A V Turkington

This volume presents several studies on the impact of pollution on stonework in urban environments. Important methodological contributions are also included which cover a number of key issues: the mapping of façades to explain rates of decay associated with conservation actions; the laboratory simulation of corrosion in polluted atmospheres; also the quantification of colour change through a study of the artificial ageing of building stone. The effectiveness of stone treatments within the laboratory is also considered in detail.

Contents: Introduction: *B.J. Smith and A.V. Turkington* ❖ Quantification of the decay rates of cleaned and soiled building sandstones *M.E. Young, J. Ball and R.A. Laing* ❖ Durability and rock properties *R.J. Inkpen, D. Petley and W. Murphy* ❖ The use of image analysis for quantitative monitoring of stone alteration *V. Lebrun, C. Toussaint and E. Pirard* ❖ Mechanisms of attack on limestone by NO₂ and SO₂ *G.C. Allen, A. El-Turki, K.R. Hallam, E.E. Coulson and R.A. Stowell* ❖ Weathering of sandstone sculptures on Charles Bridge, Prague: influence of previous restoration *R. Přikryl, J. Svobodova and D. Hradil* ❖ Experimental weathering of rhyolite tuff building stones and the effect of an organic polymer conserving agent *Á. Török, M. Gálos and K. Kocsányi-Kopecskó* ❖ Chemical composition of precipitation in Kraków: its role in salt weathering of stone building materials *W. Wilczyńska-Michalik* ❖ Interpreting the spatial complexity of decay features on a sandstone wall: St Matthew's Church, Belfast *A.V. Turkington and B.J. Smith* ❖ Arkose 'brownstone' tombstone weathering in the Northeastern USA *T.C. Meierding* ❖ Weathering of Portuguese megaliths – evidence for rapid adjustment to new environmental conditions *G.A. Pope and V.C. Miranda* ❖ Influence of anthropogenic factors on weathering of the Carpathian flysch sandstones *W. Wilczyńska-Michalik and M. Michalik* ❖ Observations on stepkarren formed on limestone, gypsum and halite terrains *D. Mottershead and G. Lucas* ❖ The role of mechanical and biotic processes in solution flute development *D. Mottershead and G. Lucas* ❖ Weathering scales, landscapes and change: some thoughts on links *R.J. Inkpen*.

2004 ❖ 320 pages ❖ Hardback
978 1 873394 57 1 ❖ £39.00 ❖ \$78.00

Structural Appraisal of Traditional Buildings Second Edition *Patrick Robson*



This book is a comprehensive guide to the common causes of structural damage. It examines the techniques for collecting evidence including desk study, visual inspection, distortion survey, testing and ground investigation

as well as offering advice on managing liability. Each appraisal is unique. A wide range of investigative techniques are described covering most of the circumstances that are likely to occur in practice. The second edition has been substantially re-written and includes new material on structural behaviour; initial appraisal; building types; use of iron in buildings; and the problems that occur with buildings built on clay.

Contents: Preface. **Part I Introduction to Appraisal:** Principles ❖ Structural behaviour ❖ Types of building ❖ The early use of iron ❖ Types of foundations ❖ Dating buildings. **Part II Causes of Damage:** Superstructure ❖ Shrinkage and expansion ❖ Deterioration ❖ Ground movement. **Part III Methods of Investigation:** Desk study ❖ Initial appraisal ❖ Visual inspection ❖ Distortion survey ❖ Testing: above ground ❖ Testing: below ground ❖ Monitoring. **Part IV Interpretation:** Causes and indicators ❖ Masonry and earth ❖ Timber frame ❖ Enhancing information. **Part V Special Issues:** Houses on clay ❖ Sudden damage ❖ Managing liability ❖ Conclusions ❖ Glossary ❖ Further Reading and Bibliography ❖ Index.

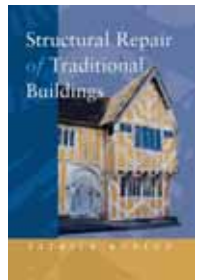
It is a clear, well illustrated publication that explains in clear English how to detect analyse and explain structure failures and defects.
Building Engineer

... contains a wealth of information and practical wisdom gleaned from the author's extensive personal experience. The Structural Engineer

Good practical examples help to show how effective interpretation can be achieved including the monitoring of movement. Architects and Surveyors Institute Journal

2005 ❖ 408 pages ❖ Hardback
978 1 873394 68 7 ❖ £42.00 ❖ \$84.00

Structural Repair of Traditional Buildings *Patrick Robson*



This book highlights the differences in approach between new design and repair, and it emphasizes the need to diagnose the cause of damage accurately, before specifying a remedy.

It includes a checklist of the common causes of damage to buildings; shows common mistakes in diagnosis; outlines the defects that commonly cause structural damage; advises on problems of movement caused by moisture and temperature changes; provides numerous clear, explanatory diagrams to illustrate each point.

Contents: Introduction **Part I Basics:** Structural behaviour ❖ Soil behaviour ❖ Uncertainty and performance ❖ Conservation ❖ Health and safety ❖ Diagnosis. **Part II Defects:** ❖ Causes of structural damage ❖ Below ground defects ❖ Ground floor defects ❖ Loss of equilibrium ❖ Movement ❖ Fire ❖ Chemical attack on concrete ❖ Deterioration. **Part III Options:** Purpose of repair ❖ Foundations ❖ Ground floors ❖ Timber ❖ Masonry ❖ Weak materials ❖ Restraints. **Part IV Management:** Preventive maintenance ❖ Planning and conducting work ❖ Insured perils ❖ Law ❖ Surprises ❖ Appendix: Risk assessment, health and safety ❖ Glossary ❖ Further reading ❖ Index.

An extremely valuable book to those practitioners who may become involved in the structural assessment, diagnosis and repair of traditionally built structures.

RICS Building Conservation Journal

Pat Robson's book is also scholarly but with an aim which is more directly practical. SPAB News

Although the subject is structural repair it is not just for structural engineers. The book is aimed at all those with an interest, as well as students.
Architect's Journal

1999 ❖ 320 pages ❖ Hardback
978 1 873394 40 3 ❖ £39.50 ❖ \$79.00

Survey and Repair of Traditional Buildings

A Sustainable Approach

Richard Oxley



With the use of examples, the author provides invaluable information on how traditional buildings perform, explaining the importance of achieving a sensitive and sustainable approach which also considers the specific needs of the building.

Using many illustrations and examples, the book examines the key principles and techniques vital to any assessment of a traditional building.

Richard Oxley shows how to carry out effective assessments taking account of a building's individual character and its need to breathe, as well as understanding its particular construction. In reflecting on the controversial issues surrounding the treatment of damp and timber decay, he advocates solutions that are appropriate to older buildings rather than using standard, often damaging, methods of treatment.

- explores the causes of movement and the actions required;
- advises on alternatives to chemical treatment for damp and timber decay; provides fully illustrated case studies with numerous photographs;
- emphasizes a sustainable approach to conservation;
- outlines the key legislation issues;
- includes the Historic Buildings Prosecution Fines Database and other useful appendices.

The extensive case studies not only illustrate good conservation in practice but also how projects can go badly wrong, and how mistakes could have been avoided.

Contents: Preface ❖ Introduction ❖ The need for change ❖ Values and principles ❖ Sustainability ❖ The traditional performance ❖ Legislation ❖ Assessment of the building ❖ Dampness and decay ❖ Summary – Sustainable solutions ❖ Appendices ❖ Index.

This is an informative and rewarding work that makes you want to progress further into the well-structured nine chapters ...

Building Engineer

Richard Oxley takes his reader back to first principles in his very readable work, Survey and Repair of Traditional Buildings. His love of our older built environment is obvious as he unpeels its layers to expose the superficiality not only of the repairs so often carried out but of the approach of many surveyors too.

Ecclesiastical and Heritage World

This book is essential reading ... it should be read by all those who undertake building surveys of traditional buildings.

Journal of Architectural Conservation

... passion shows through on every page. British Wood Preserving and Damp-proofing Association

2003 ❖ 224 pages ❖ Hardback
978 1 873394 50 2 ❖ £39.50 ❖ \$79.00

Surveying Historic Buildings

David Watt and Peter Swallow

This offers a well structured guide to inspecting and reporting on the condition of older buildings, and takes into consideration the traditional materials and techniques used in their construction.

Part I summarizes the basics of surveying practice, including the inspection, assessment, defect diagnosis and monitoring of defects. **Part II** examines the building elements, discussing the form of construction and their symptoms and diagnosis. This section features concise inspection checklists for ease of reference.

Contents: **Part I:** Surveying buildings ❖ Forms of building survey ❖ Historic buildings ❖ Building surveys: basis of inspection, the inspection, assessment and report ❖ **Part II:** Causes of deterioration and decay ❖ Building elements: roofs; walls and structural frames; ceilings, partitions and floors; doors, windows and stairs; finishes, fixtures and fittings; services ❖ Site and environment ❖ Industrial monuments and sites ❖ Standing ruins ❖ **Part III:** A look to the future ❖ Appendices.

An essential book for all conservation professionals and students alike. RICS Journal

1996 ❖ 320 pages ❖ Hardback
978 1 873394 16 8 ❖ £38.00 ❖ \$76.00

Treasures on Earth

A good housekeeping guide to churches and their contents

Edited by Peter Burman

This book explains the techniques and artistry involved in caring for the fabric and contents of churches. It considers the problems of cleaning and repair, and the damage that can be done by over-zealous non-specialists. In addition to offering guidance on the conservation of stained glass, sculpture, textiles, metalwork, floors, furniture, decorative plasterwork, paintings and so on, the book also covers the technical aspects of creating the right environment with the heating, ventilation and lighting of the building. The advice this book contains will be essential reading for everyone concerned with the care and upkeep of churches.

Contents: Foreword by The Archbishop of York, Dr John Hapgood ❖ Care of Church Fabric – An Introduction Peter Burman ❖ Heating and Ventilation Colin Bemrose ❖ Painted Ceilings and Screens Anna Hulbert ❖ Paintings on Canvas and Wood Pauline Plummer ❖ Mural Paintings and the Fabric Donald Smith ❖ Decorative Plasterwork Jane Schofield ❖ Sculpture Michael Eastham ❖ Metalwork Hazel Newey ❖ Bells and Belfries Christopher Dalton ❖ Appendix on Turret Clocks John C Eisel ❖ Woodwork Hugh Harrison ❖ Floors Jane Fawcett ❖ Stained Glass Keith Barley ❖ Textiles Elizabeth Ingram ❖ Organs William Drake ❖ Books and Manuscripts David Dorning ❖ Lighting Graham Phoenix ❖ Conclusion and Sources of Advice Peter Burman ❖ Bibliography ❖ Further Useful Addresses ❖ Index.

a really valuable contribution to the better care and appreciation of church treasures ... SPAB

1994 ❖ 320 pages ❖ Hardback
978 1 873394 10 6 ❖ £25.00 ❖ \$50.00

The Weathering of Natural Building Stones

R J Schaffer

This important study, first published in 1932, provides a general account of the factors which cause decay of building stones and a summary of the best methods to reduce the incidence of decay. There was very little understanding of how stones weathered at the time and so this was a ground breaking and essential work which has now become a classic in its field. The book outlines the various types of stones and discusses the weathering associated with natural defects inherent in the stone themselves. It then examines issues of weathering caused by bad workmanship or errors in the selection of material. Decay through chemical reactions, living organisms and also the physical changes resulting from the effects of water and frost are discussed in detail. The final sections offer useful advice and recommendations on how to prevent long term decay through appropriate repair, replacement and cleaning of stone.

Contents: Introduction ❖ Classification of natural building stones ❖ Weathering associated with faulty craftsmanship ❖ Weathering associated with errors in the choice of materials ❖ Atmospheric pollution in relation to weathering ❖ Chemical phenomena associated with weathering ❖ Physical phenomena associated with weathering ❖ Soluble salts as agents of decay – florescence ❖ Living organisms as agents of decay ❖ Preventative and remedial measures ❖ The testing of building material with reference to the estimation of their durability ❖ Appendix 1: Atmospheric pollution in relation to weathering ❖ Appendix II: Information on the cleaning of external surfaces of buildings and on colourless treatments for masonry ❖ References ❖ Index.

2004 ❖ 208 pages ❖ Hardback
978 1 873394 69 4 ❖ £35.00 ❖ \$70.00

New

Windows History, Repair and Conservation

Edited by Michael Tutton and Elizabeth Hirst
Managing Editor Jill Pearce
Consultant Hentie Louw



The window has a long and fascinating history. It has evolved in response to the availability of resources, developments in design and technology, and the demands of those who use them. At once functional and aesthetic, the window must keep out the

weather, provide ventilation, prevent intruders and buffer sound. Windows are also integral to the appearance of buildings, reflecting the practice and taste of particular regions or periods. The window cannot be seen in isolation from the building fabric in which it is set.

This book presents, for the first time, a comprehensive treatment of the history and conservation of windows. Bringing together the practical experience of conservation practitioners with the knowledge of leading historians in the field, it offers a unique understanding of the window structure.

Part 1 covers the history of the window including the development in glass technology. It also provides an illustrated glossary of window types.

Part 2 reviews the changes in policy and legislation and discusses structural issues, decay mechanisms and the current stringent performance standards and how they affect historic windows.

Part 3 focuses on the materials used in the construction of windows and the craft of leaded glazing. It details the appropriate techniques for repair and conservation.

Windows is fully illustrated in both colour and mono to include over 400 high quality illustrations.

Contents: Introduction *Elizabeth Hirst*. **Part One: History and Development** ❖ The Development of the window *Hentie Louw* ❖ History of window fittings *Treve Rosoman* ❖ History and development of Glass *David Martlew* ❖ Examples for Identification *Charles Brooking*. **Part Two: Policy** ❖ Principles and policy *Bob Kindred* ❖ Surveying *Michael Tutton and Robert Thorniley-Walker* ❖ Structural implications *Robert Thorniley-Walker* ❖ Window performance and sustainability *Mike Parrett*. **Part Three: Materials, Repair and Conservation** ❖ Timber *Alan Lamb* ❖ Diagnosis and treatment of timber decay *Jagjit Singh* ❖ Metal *Eleni Makri and Rupert Harris* ❖ Stone *Graham Abrey* ❖ Leaded lights and stained glass *Ruth Cooke* ❖ Paints and coatings *Karen Morrissey* ❖ Further reading ❖ Index.

It should be regarded as the window 'bible'.
Ecclesiastical Architects and Surveyors
Association

This long awaited volume contains all the practitioner, conservation officer, curator, contractor or amateur will ever need to know about windows; from their history and development, to their identification, repair specification, use of materials and fittings, and even the current legislation governing them. It is packed with information provided by leading fenestration experts, and when combined with well selected photographs and illustrations, it is surely essential reading.

Rory Cullen, Head of Buildings, The National Trust

This is a book that needed to be written. ... I don't care whether they're palace windows or cottage windows, it is character that's important, and it is windows of character that you will find in this glorious celebration of the eye of the house.
Ecclesiastical and Heritage World

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