



DONHEAD

**BUILDING
CONSERVATION**
2009 BOOKS
/ 2010

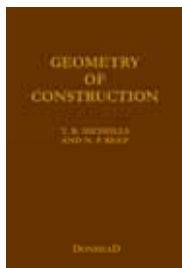
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HIGHLIGHTS

Geometry of Construction

T B Nicholls and N P Keep



First published in 1947, *Geometry of Construction* offers a vital resource for students and professionals in architecture, carpentry, stone masonry and engineering. Beginning with the very basics of technical drawing this new reprint of the 1954 edition provides a series of increasingly

complex exercises with clear explanations.

A feature of the book is its layout, which is a model of clarity, linking concise, easy to follow instructions side by side with extremely clear and detailed diagrams. These progress from the basics such as angles, chords and the construction of scales, to some of the most complex challenges, including spiral curves, intersecting mouldings and geometrical tracery.

Selected Contents: Bisectors and perpendiculars ❖ Angles by bisection ❖ Angles and triangles ❖ Scale of chords ❖ Construction of quadrilaterals ❖ Regular polygons and their construction ❖ The circle ❖ The construction of scales ❖ Enlargement by squares ❖ Orthographic projection ❖ Isometric projection ❖ Oblique projection ❖ Axonometric projection ❖ The projections of a circle ❖ The circle in mouldings ❖ Arch curves ❖ Mouldings ❖ Tangents to circles ❖ Circles in contact ❖ Tangents to circles: external and internal ❖ Inscribed circles ❖ Continuous curves ❖ Fret patterns ❖ Patterns in circles ❖ The ellipse as a plane figure ❖ The parabola and hyperbola ❖ Conic sections in mouldings ❖ Approximations to ellipse ❖ Entasis of column ❖ Spiral curves ❖ Ionic volute ❖ Projections of solids ❖ Sections of solids ❖ The ellipse as a conic section ❖ Projection of points, lines, planes ❖ Roof surfaces ❖ The parabola as a conic section ❖ The hyperbola as a conic section ❖ Cuttings of sphere ❖ Intersecting mouldings ❖ Pediment mouldings ❖ Tracery ❖ Developments of sphere ❖ Hemispherical dome ❖ Barrel vaulting ❖ The helix ❖ Index

The full contents and new Introduction can be viewed on our website www.donhead.com

July 2009 ❖ 240 pages ❖ Hardback
ISBN 978 1 873394 89 2 ❖ £30.00 ❖ \$60.00

Plastering Plain and Decorative Fourth Edition

William Millar and George P 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.

The fourth edition of this classic work 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.

Contents: 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 ❖ 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 ❖ Plasterers' memoranda, quantities, weights and recipes ❖ Appendix: notes on some recent developments in American plastering ❖ Index

The fourth edition is essential reading for anyone wishing to understand the revolution of design in the early twentieth century. JAC

Detailed contents and the Introduction by Jeff Orton and Tim Ratcliffe can be viewed on our website www.donhead.com

June 2009 ❖ 496 pages ❖ Hardback
ISBN 978 1 873394 87 8 ❖ £65.00 ❖ \$130.00

Telephone: +44(0) 1747 828422

HIGHLIGHTS

Specifications in Detail

Frank W Macey



First published in 1898 and then revised many times during the twentieth century, this reprint contains examples of model specifications from the 1904 edition. It therefore provides an extensive reference to all the materials and construction in use at the end of the Victorian era.

The book is divided by trade, and offers detailed specifications for masonry, bricklaying, carpentry, slating, tiling, thatching, plastering, painting and the many other construction processes. The text is illustrated throughout with clear drawings showing how the materials and details were applied. The specifications not only give the conservation practitioner a high level of construction detail but offer a fascinating snapshot of the life of the times, with as much thought being given to the housemaid's sink or the stables for horses as the grand galleries or ornamental plaster-work.

Contents: General notes (including: the order of a specification, and notes often omitted from a specification) ❖ Form of outside cover for a specification ❖ General heading to a specification ❖ List of general conditions of a contract ❖ Preliminary items (including shoring and house breakers) ❖ Drainage (including rain-water well and reports) ❖ Excavator (including concrete floors, roofs, stairs and walls) ❖ Pavior ❖ Bricklayer (including flint-work, river and other walling, spring-water wells, storage tanks, fountains, filters, terra cotta and faience) ❖ Mason ❖ Carpenter, joiner and ironmonger (including fencing and piling) ❖ Smith and founder (including heating, fire hydrants, stable and cowhouse fittings) ❖ Slater (including slate mason) ❖ Tiler ❖ Stone tiler ❖ Shingler ❖ Thatcher ❖ Plumber (including hot water) ❖ Zinc-worker ❖ Coppersmith ❖ Plasterer ❖ Gasfitter ❖ Bellhanger ❖ Glazier ❖ Painter ❖ Paperhanger ❖ General repairs and alterations ❖ Ventilation ❖ Road-making ❖ Electric lighting ❖ Index

September 2009 ❖ 648 pages ❖ Hardback
ISBN 978 1 873394 908 ❖ £55.00 ❖ \$110.00

Surveying Historic Buildings Second Edition

David Watt

This bestselling book has been fully revised and updated in this new, larger format to include valuable new case studies and examples which help to demonstrate the common problems found in older buildings. It features many additional photographs illustrating the decay mechanisms and individual issues associated with damp, timber decay, masonry defects, roofing problems and many other aspects.

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 their construction, typical faults and their diagnoses. This section provides specific advice on assessing industrial monuments and standing ruins and 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.

Reviews of the first edition

This book should be essential reading for all surveyors, not just those involved with historic buildings.

SPAB News

... an instant classic.
Industrial Archaeology Review

January 2010 ❖ 320 pages ❖ Hardback
ISBN 978 1 873394 67 0 ❖ Approx price £45.00
❖ \$90.00

See our website www.donhead.com for more information

Telephone: +44(0) 1747 828422

RECENTLY PUBLISHED

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*.

This book breaks new ground and is warmly recommended. Context

It is a welcome voice in the field of preservation and conservation and is written in a manner that can add to the knowledge of professionals already working with these resources. APT Bulletin

The Introduction by Bob Kindred can be viewed on our website www.donhead.com

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

Windows History, Repair and Conservation

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



This encyclopaedic work is both a fascinating exploration of the history and development of the window, and a practical hands-on guide to their care and preservation. Part 1 covers the history of the window including the development in glass technology and 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.

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.

The story is fascinating and well told. The history contributions are consistently readable... Conservation professionals should have a copy on their office shelves as an important source of reference and at home too. Context

2007 ❖ 480 pages ❖ Hardback
ISBN 978 1 873394 85 4 ❖ £65.00 ❖ \$130.00

Order online: www.donhead.com

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 Nuttgens

❖ **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.

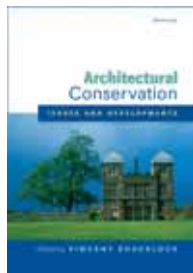
... as a practical reference to highlight problems and assist the designer it is invaluable.
EASA

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

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

Architectural Conservation

Issues and Developments
Edited by Vincent Shacklock
Managing Editor: Jill Pearce



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

Contents: Foreword: Lessons from York Minster 1965–1972 *Sir Bernard Feilden*
❖ Facing up to challenges in architectural conservation *Vincent Shacklock*
❖ Protecting the historic environment The legacy of W G Hoskins *Malcolm Ains*
❖ 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*.

..essential reading for all concerned with our heritage, not just for professionals. With the power of English Heritage diluted and expertise dissipated, action is needed now or heritage faces a bleak future.

ASCHB

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

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

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 became more widely used after the First World War.

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

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
ISBN 978 1 873394 51 9 ♦ £67.00 ♦ \$134.00

Brickwork

History Technology and Practice

Gerard Lynch

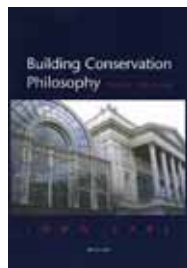
Volume 1 offers a background to the historical development of the brick, the craft of bricklaying and of brickwork from the thirteenth century to the present day. It also describes the modern manufacture of bricks, their properties and classification. It includes chapters on mortars, tools and accessories 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
ISBN 978 1 873394 02 1 ♦ £33.00 ♦ \$66.00
Vol 2 ♦ 1994 ♦ 256 pages ♦ Hardback
ISBN 978 1 873394 07 6 ♦ £33.00 ♦ \$66.00
Volumes 1 & 2 (set price)
ISBN 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); SPAB Manifesto; Venice Charter; Burra Charter; Canadian Code of Ethics; The philosophical background to listing in Britain; Education for conservation ❖ Index.

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

2003 ❖ 248 pages ❖ Hardback
ISBN 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.

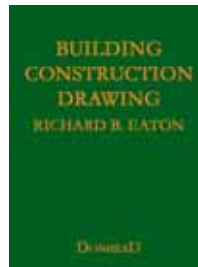
A really worthwhile book for ... anyone who believes in the revival of sustainable traditions.
Context

A new introduction by Gordon T Pearson can be viewed on our website www.donhead.com

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

Building Construction Drawing

Richard B Eaton



First published in the period 1914 to 1921 this 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.

Selected Contents: **Part I:** Brickwork ❖ 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 ❖ Villa residence: roof and joists; elevations; windows; staircase. **Part IV:** Door frames ❖ Entrance doors and frames ❖ Internal door and linings: framed and panelled doors; ten internal door linings ❖ Swing doors **Part V:** Cased frames and sashes ❖ 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 ❖ Kitchen dresser ❖ Bookcase and sideboard ❖ Porch: hood over front door ❖ Index.

If you want to know how to put a Victorian house together, go to Eaton.
Ecclesiastical and Heritage World

Full contents and new introduction can be viewed on our website www.donhead.com

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

Cements, Limes and Plasters Their Materials, Manufacture and Properties

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: Part I Plasters ❖ Part II Limes ❖ Part III Magnesia and oxychloride cements ❖ Part V Natural cements ❖ Part VI Portland cement ❖ Part IV Hydraulic limes, selenitic limes, and grappier cements ❖ Part V Natural cements ❖ Part VI Portland cement ❖ Part VII Puzzolan cements ❖ Part VIII Alumina cements and High-strength Portlands ❖ Index.

A new introduction by Paul Livesey (UK) and William G Hime (US) can be viewed on our website www.donhead.com

This classic work will be invaluable to everyone involved in conservation of traditional buildings and those concerned with the early modern buildings constructed from Portland cement.
RICS Building Conservation Journal

2005 ❖ 752 pages ❖ Hardback
ISBN 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.

This is the most comprehensive, most scholarly, most important book yet to have been written on this subject and is likely to remain so for a considerable time.

ASCHB Newsletter

...should be on the bookshelf of any person involved in the cleaning process.
Stone Industries

Vol 1 ❖ 1994 ❖ 264 pages ❖ Hardback
ISBN 9781 873394 01 4 ❖ £35.00 ❖ \$70.00

Vol 2 ❖ 1994 ❖ 272 pages ❖ Hardback
ISBN 978 1 873394 11 3 ❖ £35.00 ❖ \$70.00

Volumes 1 & 2 (set price)
ISBN 978 1 873394 12 0 ❖ £65.00 ❖ \$130.00

Cleaning Techniques in Conservation Practice

Edited by Kyle C Normandin and Deborah Slaton

Consultant: Norman R Weiss

Managing Editor: Jill Pearce



This book 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.

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*.

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

The overview of the current typical techniques is exemplary. The book will be close to hand for the next cleaning project which comes my way.
Journal of Architectural Conservation

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

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
ISBN 978 1 873394 00 7 ❖ £37.00 ❖ \$74.00

Conservation of Historic Brick Structures

Edited by N S Baer, S Fitz and R A Livingston

This book examines the causes of decay in addition to the treatment and methods of conserving brickwork and historic mortars. It covers biodeterioration, salt damage and the effects of air pollutants and moisture on masonry. Considerable attention is also devoted to historic mortars and renders, their analysis, behaviour under the stress of air pollution and the development of compatible modern formulations. Conservation methods for brick masonry, including de-salination, protective coatings and injection grouting are examined in detail. A useful and extensive range of case study material is also provided.

1998 ❖ 528 pages ❖ Hardback
ISBN 978 1 873394 34 2 ❖ £53.00 ❖ \$106.00

Conservation of Historic Buildings and their Contents

Edited by David Watt and Belinda Colston



This collection of papers 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 *Nicholas Stanley-Price*
❖ Experiences from Scottish conservation *Carol Brown* ❖ Is it only the language of conservation that is changing? *May Cassar*
❖ 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 *John Edwards*
❖ Management of the historic environment: The broad nature of the process *Donald Hankey.*

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

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

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

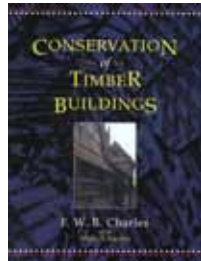
Conservation of Modern Architecture

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

See page 4 for full information.

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.

Architects, surveyors and craftsmen involved in the conservation of timber structures, whether it be the roof and internal framework of a medieval tithe barn or the half-timber wall of a seventeenth-century farmhouse, will find this both a beguiling and a practical reference work.

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

It is rare to find a technical book that is better taken with a brandy than a pocket calculator. In its writing and its illustration, this is a book to be savoured.

Architects' Journal

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

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 showing buildings of every shape, size and type.

Contents: Volume 1 Principles and practice

❖ Introduction ❖ The appeal of older buildings
❖ Opportunities for re-use ❖ The challenge of creative re-use ❖ 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 ❖ Management in use ❖ Application ❖ Appendix: principles for re-use ❖ Further reading ❖ Index.

Volume 2 Building types: selected examples

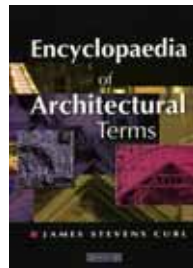
❖ Introduction ❖ Uses: Country houses; town houses; farm buildings; industrial buildings; other types of industrial buildings; offices; markets and retailing; civic buildings; churches and chapels; schools; hospitals; military establishments
❖ Characteristics ❖ Analysing capacity
❖ Conclusion ❖ Appendix: 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

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

Encyclopaedia of Architectural Terms

James Stevens Curl



A study of architecture requires not only an understanding of the history of buildings but also knowledge of the correct terminology that is used to describe them. The *Encyclopaedia of Architectural Terms*, now available as a

paperback, 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 including both drawings and photographs, 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 Journal

Even experts might learn a thing or two ...
The World of Interiors

1994 ❖ 364 pages ❖ Hardback
ISBN 978 1873394 04 5 ❖ £49.00 ❖ \$98.00
1997 ❖ 364 pages ❖ Paperback
ISBN 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
ISBN 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.

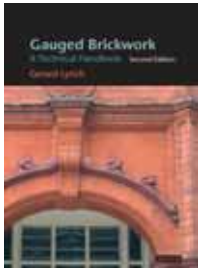
The book ... has so much to offer the historian, conservator, leadworking student and anyone with an interest and passion in one of the most neglected areas of historic building conservation.
SPAB News

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

2002 ♦ 288 pages ♦ Hardback
ISBN 978 1 873394 60 1 ♦ £62.00 ♦ \$124.00

Gauged Brickwork

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 greater 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 book 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.

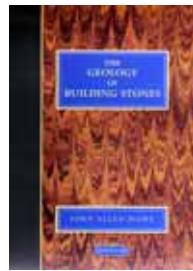
Contents: Gauged brickwork ❖ Historical perspective ❖ Manufacture of rubbing bricks ❖ Equipment and tools ❖ Carved gauged brickwork ❖ Main architectural uses of gauged work ❖ Repair, restoration and maintenance of gauged work ❖ Tuck pointing ❖ Index.

This book is a delight to brick buffs everywhere ... The book is a 'must have'.
Ecclesiastical and Heritage World

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

The Geology of Building Stones

John Allen Howe



John Allen Howe's book, *The Geology of Building Stones*, written in 1910, was the first major reference work to feature information on the considerable range of building stones which were being used in the UK and which were still being quarried at that time.

This important and useful publication, now reprinted by Donhead, offers very detailed information on the appearance and qualities of the various types of stone being used at that time, including granite, sandstones, limestones and other lesser known building stones, specific to certain geographical areas. It also includes a good introduction to the effects of stone decay, in particular the problems of pollution, frost and organic growth in the breakdown of stone. His chapter on testing of stone was very much ahead of its time, since nearly a century later Britain is only now starting to obtain its first standard tests for building stone, in the form of European Standards.

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
ISBN 978 1 873394 52 6 ❖ £36.00 ❖ \$72.00

Geometry of Construction

T B Nicholls and N P Keep

See Page 1 for full information.

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
ISBN 978 1 873394 55 7 ♦ £42.00 ♦ \$84.00

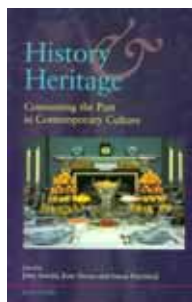
Heritage of the North Sea Region **Conservation and Interpretation** *Edited by L M Green and P T Bidwell*

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.

A number of recommendations emerge from the discussions, and these include: The integration of spatial planning into all levels of government; To encourage governments to produce their own standards concerning the historic environment to adopt existing European standards; To encourage public involvement in archaeology and cultural heritage; To raise awareness of the importance of the historic landscape; To encourage the integration of research into spatial planning development schemes; The management of change; To improve communication between different disciplines.

2002 ♦ 224 pages ♦ Hardback
ISBN 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 Piltdown 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
ISBN 978 1 873394 28 1 ♦ £39.00 ♦ \$78.00

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.

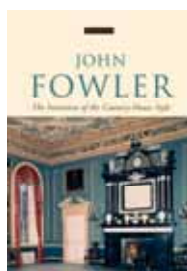
The authors confirm that we can learn much from studying the past, both about the motivation for travel and about how to attract visitors.

In a provocative paper, Professor Dean MacCannell of California argues that we are today turning attractions of authentic heritage into 'minor places' by allowing them to be supplanted by commercial 'dreamworks' designed to seduce the tourist. Like the other contributors, he deals with issues of profound interest to policy makers and managers in public agencies, the tourism industry, museums, galleries, at cultural venues, historic and outdoor sites, and to those in consultancy and education. The authors include Anne Mustoe on cycling round the world following historical routes; Paul Akira Kadota on Japanese pilgrims to the West; Magnus Fladmark on Scotland's cultural identity; William Tramosch on the iconography of New Zealand; Patricia Sterry on pilgrimages to screen soap sites and Murdo Macdonald on the legacy and influence of Sir Patrick Geddes.

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

1998 ♦ 512 pages ♦ Hardback
ISBN 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.

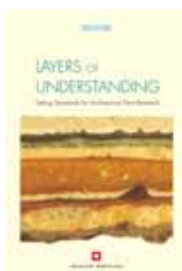
Published in association with English Heritage

This book will be of interest to anyone seriously concerned with the preservation, restoration or recreation of historic interiors. The authors present an interesting range of different perspectives on Fowler's work, from the personal ... to the analytical.
Context

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

Layers of Understanding Setting Standards for Architectural Paint Research

Edited by Helen Hughes



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.

The statutory requirements relating to painted interiors of listed buildings is a 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.

Published in association with English Heritage

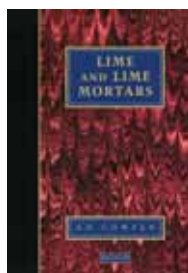
... a valuable contribution to the debate about when and how architectural paint research should be applied. Journal of Architectural Conservation

This book will be essential reading for paint researchers, architects, surveyors, conservation officers and all practitioners involved in commissioning paint research for historic buildings. Architectural Technology

2002 ❖ 108 pages ❖ Paperback
ISBN 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.

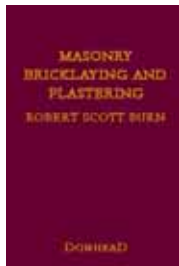
Masonry International

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

1998 ❖ 96 pages ❖ Paperback
ISBN 978 1 873394 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.

This book is a valuable source of reference when dealing with buildings of the Victorian period.
Building Engineer

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

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: 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.

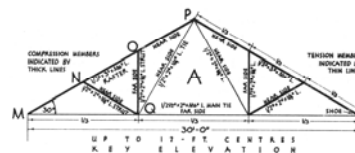
Volume III: Carpentry ❖ Joinery ❖ Roof coverings ❖ Homework programme ❖ Syllabus in building construction, stage two ❖ Index to three volumes.

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 practised in the early to middle part of the last century.

Property Care

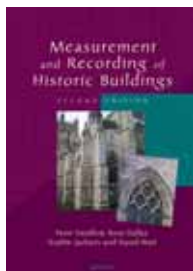
2005 ❖ 480 pages ❖ Hardback
ISBN 978 1 873394 72 4 ❖ £69.00 ❖ \$138.00



Measurement and Recording of Historic Buildings

Second Edition

Peter Swallow, Ross Dallas, Sophie Jackson and David Watt



This book provides a practical guide to preparing measured surveys of historic buildings, with special emphasis on recording the fabric. The text assumes little previous knowledge of surveying and begins by describing basic measuring

techniques before introducing elementary surveying and levelling.

From these principles, the practices and techniques used to measure and record existing buildings are developed in a detailed step-by-step approach, covering sketching, measuring, plotting and drawing presentation.

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.

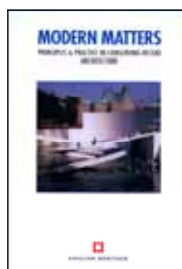
This work must be the supreme authority on the subject.
ASCHB

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

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

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
ISBN 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 stonemasons 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.

Contents: New Introduction by Christopher Weeks ❖ Foreword by F. E. Drury ❖ Preface ❖ Introduction ❖ Abbreviations. **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.

In the specialised and relatively small-scale field of stonemasonry, E G Warland's Modern Practical Masonry has always been regarded as the pre-eminent textbook.
Cornerstone (SPAB)

The content is, however, familiar and Warland's Modern Practical Masonry remains the mason's bible.

Journal of Architectural Conservation

The full introduction by Christopher Weeks, and detailed contents can be viewed on our website www.donhead.com

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

The Modern Plasterer

W Verrall



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.

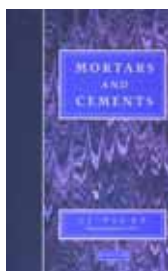
Contents: Volume I: Introductory ❖ Ancient and Asiatic plaster ❖ Modern decorative plaster ❖ Ceilings: decorative and otherwise ❖ Plastering materials ❖ Portland cement ❖ How to make concrete ❖ Selection of materials ❖ Preparing the base for plastering ❖ Lathing ❖ Plasterers' tools ❖ Scaffolding and 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
ISBN 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.

Together with Pasley's Observations on Limes it forms a useful and fascinating double volume for all who have more than a trivial interest in limes and mortars Masonry International

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.

1997 ❖ 352 pages ❖ Hardback
ISBN 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
ISBN 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
ISBN 978 1 873394 70 0 ❖ £22.00 ❖ \$44.00

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, includ-

ing 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. This can be viewed on our website www.donhead.com

Contents: New introduction by Jeff Orton and Tim Ratcliffe ❖ Tools ❖ Plant and equipment ❖ Materials ❖ Templates and appliances ❖ Running moulds ❖ Plain interior plastering ❖ Plain exterior plastering ❖ Interior mouldings ❖ Exterior mouldings ❖ Benchwork ❖ Measuring and estimating ❖ Geometry and drawing ❖ Index.

For the novice and intermediate plasterer, Plastering serves as a pivotal introduction to the trade. For the restoration architect and the architectural historian [it] provides innumerable insights into the correct approach to understanding the possibilities that traditional plastering methods can provide
APT Bulletin

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

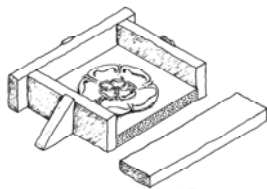


Fig. 121 - Preparing an Open Jelly Mould.

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.

- 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

... this book is simply marvellous. Salvo

A new introduction by Tim Ratcliffe and Jeff Orton can be viewed on our website www.donhead.com

1998 ❖ 768 pages ❖ Hardback
ISBN 978 1 873394 30 4 ❖ £99.00 ❖ \$198.00

Plastering Plain and Decorative Fourth Edition

William Millar and George P Bankart

See Page 1 for full information.

Practical Architecture

C W Pasley



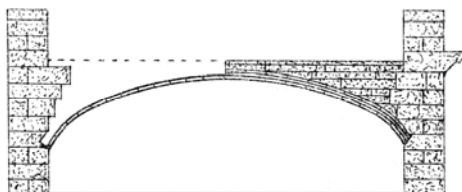
Pasley's work, first written in 1826, is primarily concerned with building construction, concentrating on all aspects of brickwork, rather than being a general work of architecture. It provides useful information on how buildings were being constructed at the time, and the type of limes and cements that were used. 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 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.

RICS Building Conservation Journal

This book is a most helpful aid to anyone concerned with the investigation and surveying of buildings constructed during this period, particularly in regard to the practical detail.
Building Engineer

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



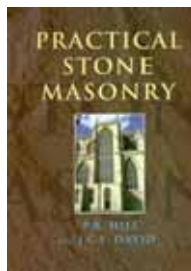
Practical Masonry A Guide to the Art of Stone Cutting

William R Purchase

See Page 2 for full information.

Practical Stone Masonry

P R Hill and J C E David



Practical Stone Masonry is the first major book in nearly seventy years on the craft of the stonemason. Today the work of the stonemason is almost exclusively confined to the repair of historic buildings, requiring a full working knowledge of the

detailed traditional craft practices relating to repairs. This book addresses that need.

It covers the basic methods of working stone, the making of specialized tools, and, for the first time, a full analysis of the procedures for setting-out for repairs. A broad description of the nature and problems of stone also includes guidance on selection. In addition, the authors look at the causes of decay in stone and outline methods for repair of both stone and mortar.

Practical Stone Masonry contains essential advice for working masons and apprentices, and all those engaged in planning and supervising such works. It includes:

- The basic methods of working stone
- How to make specialized tools
- The procedures for setting-out for repairs explained
- The nature and problems of stone plus a guide to selection

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 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
ISBN 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.

Cycles of repair and renewal and pressure for replacement force us to confront and evaluate mid-twentieth-century buildings. Preserving Post-war Heritage should prove an invaluable sourcebook.

Context

2001 ♦ 272 pages ♦ Hardback
ISBN 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
ISBN 978 1 873394 20 5 ♦ £37.00 ♦ \$74.00

Rivington's Building Construction

Percy 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

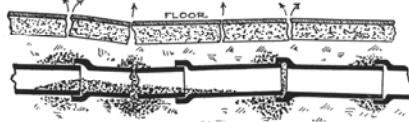
construction work. This new reprint of the revised 1904 edition, in three volumes, contains over 1,350 pages of text and useful line drawings. Volume 1 covers brickwork, carpentry and roofing, giving detailed practical guidance on all aspects of the work and offering definitions of the terms used. Volume 2 includes sections on joinery, stairs and floors with Volume 3 providing detailed information on materials, including stone, brickwork, lime and paint.

...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

The book is fascinating and highly relevant to anyone interested in Victorian buildings and not just those actively carrying out conservation. It is packed with forgotten history and an invaluable aid to dating. The answer is to look it up in Rivington. It is a mine of information, lavishly illustrated with beautifully clear drawings, a pleasure to handle.
The Victorian

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

2003 ♦ 1376 pages (3 volumes)
ISBN 978 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 states, 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

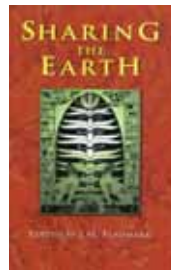
... a hands-on book aimed primarily at roofers who wanted to broaden their skills, well illustrated and laid out, full of detail and examples, and written with an engaging enthusiasm. ... a minor classic
Journal of Architectural Conservation

A new introduction by Richard Jordan and Tim Ratcliffe can be viewed on our website www.donhead.com

2001 ❖ 384 pages ❖ Hardback
ISBN 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-Pernette 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
ISBN 978 1 873394 19 9 ❖ £42.00 ❖ \$84.00

Roof Construction and Repair

E Molloy

See Page 2 for full information.

Specifications in Detail

Frank W Macey

See Page 3 for full information.

Stone Conservation Principles and Practice

*Edited by Alison Henry
Managing Editor: Jill Pearce*



Winner of the RIBA Book Award, this important and timely publication brings together contributions from leading 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.

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.
Cornerstone, SPAB*

*Thanks to the knowledge, experience and enthusiasm of the contributors, this is a truly excellent book. It is comprehensive in its scope and thorough in its detail.
Context*

2006 ❖ 352 pages ❖ Hardback
ISBN 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 offers valuable insights into the nature of decay processes and the factors that control them. It presents several studies on the impact of pollution on stonework in urban environments. Important methodological contributions cover: the mapping of façades to explain rates of decay associated with conservation actions; the laboratory simulation of corrosion in polluted atmospheres; 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.

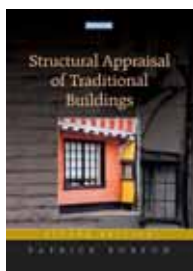
Contents: Introduction: *B J Smith and A V Turkington* ❖ Quantification of the decay rates of cleaned and soiled building sandstones *M E Young, J Ball and R A. Laing* ❖ Durability and rock properties *R J Inkpen, D Petley and W Murphy* ❖ The use of image analysis for quantitative monitoring of stone 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 *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 *R J Inkpen*.

2004 ❖ 320 pages ❖ Hardback
ISBN 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.

Good practical examples help to show how effective interpretation can be achieved including the monitoring of movement.

Architects and Surveyors Institute Journal

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

Building Engineer

2005 ❖ 408 pages ❖ Hardback
ISBN 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.

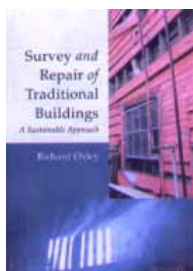
Architects' Journal

1999 ❖ 320 pages ❖ Hardback
ISBN 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.

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.

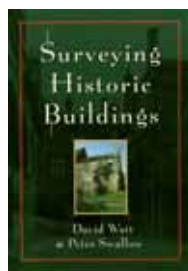
Contents: Preface ❖ Introduction ❖ The need for change ❖ Values and principles ❖ Sustainability ❖ The traditional performance ❖ Legislation ❖ Assessment of the building ❖ Dampness and decay ❖ Summary – Sustainable solutions ❖ Appendices ❖ Index.

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

2003 ❖ 224 pages ❖ Hardback
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David Watt and Peter Swallow



This practical book 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 provides specific advice on assessing industrial monuments and standing ruins and features concise inspection checklists for ease of reference.

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SPAB News

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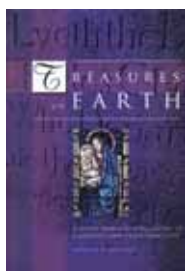
David Watt

See Page 3 for full information.

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. The contributions to this book are wide-ranging

and each chapter is written by a highly regarded specialist in his/her field. 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.

Altogether this book makes a really valuable contribution to the better care and appreciation of church treasures.

SPAB News

1994 ❖ 320 pages ❖ Hardback
ISBN 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 stones 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 I: 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
ISBN 978 1 873394 69 4 ❖ £35.00 ❖ \$70.00

Windows

History, Repair and Conservation

Edited by Michael Tutton and Elizabeth Hirst

See Page 4 for full information.

Journal of Architectural Conservation

The international journal for historic buildings, monuments and places



As the leading authority in its field, the international *Journal of Architectural Conservation* provides invaluable guidance on policy, practice and technical developments. Encouraging debate on a broad variety of conservation issues, this peer reviewed *Journal* with its high academic and professional standards, fulfills its ambition to illuminate, question and inform.

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