

SPECIAL INTEREST MODEL BOOKS

Section

- 1 About Us
- 2 Model Engineering books 3
- 3 Workshop Practice Series 18
- 4 Modelling books 68
- 5 Model Aircraft books 74

- 6 Radio Control Aircraft books 84
- 7 Ships & Maritime Modelling books 96
- 8 Amateur Radio books 112
- 9 Amateur Winemaker books 114

Welcome to Special Interest Model Books

Special Interest Model Books represents one of the finest lists of model hobby books available in the English language. The publisher was born under the banner of MAP (Model and Allied Publications) shortly after World War II. Founded at Eaton Bray in Bedfordshire, MAP published a range of modelling magazines including Aeromodeller and Model Maker and several supporting books such as the Aeromodeller Annuals.

MAP acquired the long-established Percival Marshal, publisher of *Model Engineer* magazine and a range of allied books (several of which are still in print) and building on these solid foundations, started to expand its book publishing programme, branching into more areas of the model hobby area as their magazine interests expanded. By the 1970's a large spectrum of hobby activities were reflected in the MAP list of magazines including model engineering, military modelling, car, aircraft and boat modelling in addition to film, photographic and woodworking titles.

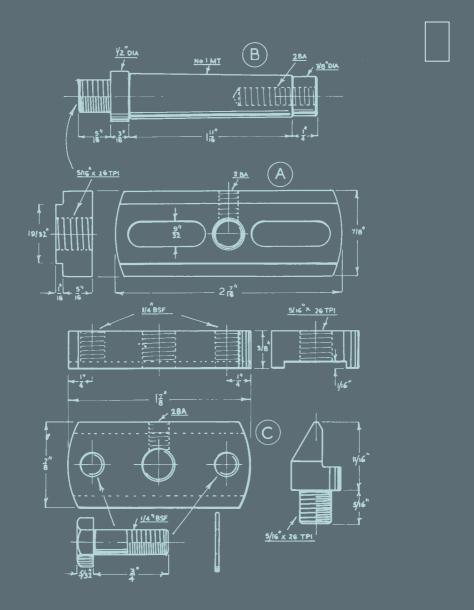
The small, independent MAP was bought out by *Argus Press* in the mid-70's and the book publishing interests were hived off to become

a company in its own right — Argus Books Ltd. The late 70's and 80's were good years for Argus; the list based first at Golden Square in London's Soho and subsequently in Hemel Hempstead, Hertfordshire continued to expand, benefiting from the parent company's acquisition of the The Amateur Winemaker magazine and associated homebrew and winemaking book titles.

When Argus Press decided that newspapers rather than magazines were where its future lay, the company was sold to the Nexus Media group and for a brief period from 1995 to 2001, the books were published in Swanley, Kent under the Nexus Special Interests imprint. Nexus in turn made the decision that book publishing lay outside its core interests and in 2001 sold all of its book publishing interests to newly formed Special Interest Model Books Ltd.

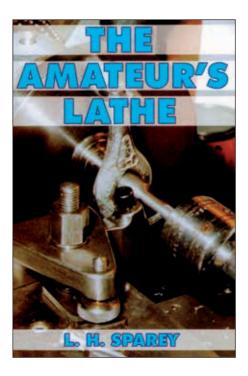
Special Interest Model Books' sole interest is in book publishing with staff who have a long connection with the model hobby areas of publishing. The company was founded in Poole, Dorset by Chris Lloyd, who had been acting as the sales and marketing agent for Nexus books since 1993.

© Special Interest Model Books Ltd. 2001 - 2021



THE AMATEUR'S LATHE

Lawrence H. Sparey



Specification:
210 x 137 mm;
224 pages;
229 black & white photographs;
224 b+w plans & diagrams;
15 tables of data for home mechanics;
Index;
ISBN 978 085242 288 5
Paperback £ 8.95;
Classification: Model Engineering/Lathes

First published in 1948, this is the classic, definitive work on the use of the small (31/2 inch) lathe which has proved invaluable to generations of light engineers, small garage owners and precision hobbyists, apprentices and engineering professionals alike.

The definitive work on the use of the small (three and a half inch) lathe which has been the primer for every amateur, student and apprentice engineer, modelmaking hobbyist, small garage proprietor and light engineering operator since its original publication in 1948.

The author has succeeded in giving a complete course of instruction, embracing almost every process that can be accomplished own the small lathe including information on tools, accessories and costs. The amateur's problems are tackled in a refreshingly practical manner, showing how the model engineer or small industrial user can perform a variety of operations normally requiring a whole workshop full of machinery.

Photographs and drawings provide step-by-step instructions on a wide range of topics which will interest all engineers - from apprentices to retired hobbyists.

Lawrence Sparey was that somewhat rare combination - a professional engineer with what he himself called "an amateur's outlook" which allowed him to maintain his appreciation of the difficulties of the average workshop owner with his small lathe. He was also a pioneer of model aeroplane internal combustion engines for home construction in Britain of the 1940s. This book represents the accumulated engineering wisdom of a previous generation.

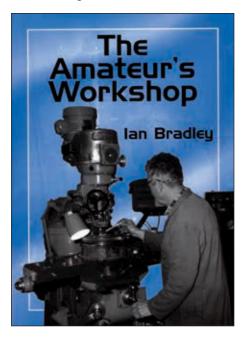
Originally published in 1948 by George Newnes Ltd Fifth edition published in 1972 by Model & Allied Publications:

Special Interest Model Books edition published in 2002

Contents: The Lathe; Choosing a Lathe; Installing the Lathe; Lathe Accessories; Measuring Equipment; Lathe Tools; Drills & Reamers; Holding Work in the Lathe; Marking Out; Plain Turning & Boring; Taper Turning; Crankshaft Turning; Disc & Ball Turning; Screwcutting; Milling, Shaping & Grinding in the Lathe; Lapping; Metal Spinning; Spring Winding; Turning Rubber; Production Methods in Small Lathes; Care of the Lathe and its Accessories.

THE AMATEUR'S WORKSHOP

Ian Bradley



Specification:
210 x 148 mm;
256 pages;
200 black & white photographs;
272 b+w plans & diagrams;
ISBN 978 185486 130 6;
Paperback £8.95;
Classification: Model Engineering/Lathes

All model engineers are occasionally faced with an operation outside their usual experience. This is a comprehensive reference book providing information on setting up a workshop and the use of various machines and tools.

All model engineers are occasionally faced with an operation which lies outside of their usual experience, particularly for those whose normal occupation is unrelated to engineering. This book provides all the answers.

With over 430 line drawings and photographs, plus over 250 pages of detailed instruction, this is a comprehensive reference book for all model engineers. The author covers all matters ranging from setting up a workshop and the use of various machines and tools to processes such as knurling, reaming, milling in the lathe, screw threads, soldering and brazing, dividing as well as regular and more specialised workshop techniques.

lan Bradley, who died in 1995, had a lifetime's experience in precision engineering and contributed articles to Model Engineer magazine for over 50 years. During that period, thousands of engineers had come to regard this book as the first point of reference to turn to when a new aspect of the hobby presented itself.

First published in 1950;

Second Edition by Model & Allied Publications in 1971; Revised Third edition 1976;

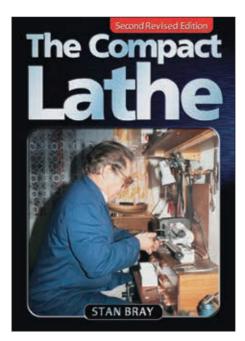
First paperback edition by Argus Books in 1984; Special Interest Model Books edition published in 2002

Contents: The Workshop; The Lathe; The Drilling Machine; Belt Drives; The Shaping Machine; The Milling Machine; Chucks; Mandrels; Lathe Tools; Knurling; Lathe Operations; Taper Turning; Lapping; Toolmakers Buttons; Milling in the Lathe; Dividing in the Lathe; Dividing; Drills & Drilling; Countersinking

and Counterboring; Cutting Screw Threads; Cuting Screw Threads in the Lathe; Measuring Equipment; Marking Out; The Dial Indicator; Suds Equipment; Lathe Overhead Drives; Soldering, Brazing & Case Hardening; Compressed Air in the Workshop; Some Additional Workshop Tools; The Back Tool Post; Reamers.

THE COMPACT LATHE Second Revised Edition

Stan Bray



Specification: 210 x 148 mm; 187 pages; 145 b+w photographs; 18 plans & line drawings; 9 tables of data-ISBN 978 185486 227 3 Paperback £8.95;

Classification: Model Engineering/Lathes

Contents: Safety; Care of the Lathe; Lathe Tools; Turning Operations; Centre Height; Using the Three-Jaw Chuck; The Four-Jaw Chuck; The Faceplate; Turning Between Centres; Turning Tapers; Turning Radii; Drilling and Boring; Threading with Taps and Dies; Screw Cutting; Graduating and Dividing; Batch The evolution of the compact, or portable, lathe has bought many a model engineer's life-long ambition to reality. This comprehensive introduction to the subject covers the technology, the machine operations and facilities which will enable the novice or experienced operator to achieve the highest standards of lathe work.

The evolution of the compact, or portable, lathe has brought many a model engineer's life-long ambition to reality. No longer regarded as the scaled-down variant of the long-established permanent workshop machine, they are purpose-designed tools of remarkable ingenuity in their own right.

Compact lathes (such as the Unimat III, Peatol, Shearline and Cowell range) are inexpensive, self-contained, adaptable to a broad range of machining techniques and ideally suited for beginners and those with working space restrictions.

Stan Bray's comprehensive introduction to the subject covers the technology and the components, the machining operations and facilities which will enable the novice or experienced operator quickly to reach full proficiency and achieve the highest standards of lathe work.

Fully updated in 2004 to cover the very latest in compact lathe technology and with many completely new photographs.

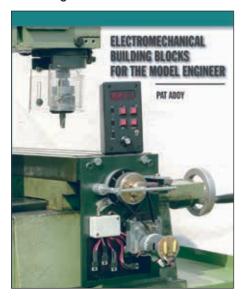
Stan Bray has written a number of books on model engineering and was editor of Model Engineers' Workshop and assistant editor of Model Engineer magazines.

Originally published in 1990 by Argus Books; Special Interest Model Books revised edition published in 2004:

Production; Milling; Lubricants and Cutting Speeds; Uses for the Compact Lathe; Clockmaking; Unimat 4; The Proxxon pd 230/E; The Cowell Range; The Peatol Micro Lathe; Other Compact Lathes; Charts; Decimal Equivalents; Useful Terms & Phrases.

ELECTROMECHANICAL BUILDING BLOCKS FOR THE MODEL ENGINEER

Pat Addy



Specification:
236 x 189 mm;
188 pages;
298 black & white line plans & diagrams;
50 black & white photographs;
ISBN 978 185486 243 3
Paperback £ 14.95;
Classification: Model Engineering

Electronic and electromechanical control of machinery and equipment in the factory environment has been commonplace for many years and is steadily finding its place in the model engineer's workshop. This book gives the theoretical and practical details of electronic circuits that can be used to control machinery for the model engineer and 'inventor'.

Electronic and electromechanical control of machinery and equipment in the factory environment has been commonplace for many years and is steadily finding its place in the model engineer's workshop. This book gives the theoretical and practical details of electronic circuits that can be used to control machinery for the model engineer and the 'inventor'.

There has recently been a huge expansion in computer and electronic control which model engineers have found desirable, yet expensive. Here, the author provides the vital information for the model engineer to build his own control units using a modular, or "building block", approach.

Very clear easy-to-follow circuit diagrams and instructions are at the heart of the book, enabling the model engineer to analyse his requirements and assemble the building blocks using readily available components and commonplace workshop skills.

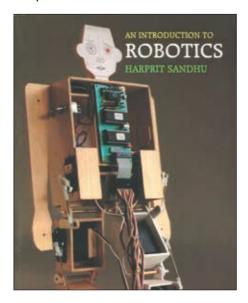
The book brings modern machinery control technology within reach of the model engineer, the robotics enthusiast and the experimenter.

Published by Special Interest Model Books in July 2006.

Contents: Basic Electromagnetic Theory; Stepper Drive Motor; DC Motor Drive; The Servo System; Relays; Solenoids & Related Devices; Other Electromagnetic Devices; Interference Suppression; Heatsinks; Fuses & Circuit Breakers; Inputs; Light Emitting Diodes; Speed Measurement in the Workshop; Power Supplies & Regulators; Power Supplies from Batteries; NVRs & Interlocks; Ancillery Test & Driver Modules; Basic Electronic Building Blocks; Practical & Cost Effective Building; Etching Processes; Using Stripboard for Prototypes; Pin Outs & Specifications; Information Sources

AN INTRODUCTION TO ROBOTICS

Harprit Sandhu



Specification:
236 x 189 mm;
204 pages;
45 b+w photographs;
80 plans & line drawings;
ISBN 978 185486 153 5
Paperback £ 10.95
Classification: Model Engineering/Design & Technology

An introduction for the amateur to the ideas and concepts of robotics. The first part explains how and why robots work and are controlled, while the second part shows you how to make a simple two-legged humanoid robot that can be programmed from a home computer to walk.

This exciting book breaks new ground by introducing the amateur to the ideas and concepts, both theoretical and practical, of robotics - a nascent discipline which will radically change the way we work. Although today we use the term 'robots', in the future other terms will have to be coined in order to describe their utility & capabilities.

The book is divided into two sections:

1: How and why robots work and how they are controlled. 2: How to make a simple two-legged humanoid robot that can be programmed to walk.

There are no complicated formulæ or equations to grapple with or complicated circuit diagrams to decipher, and you don't have to be either a machinist or a programmer - everything is presented in clear, concise, everyday English. The robot can be built quickly on a workbench, or even a kitchen table, with a minimum number of handtools, and all the parts are easily available in the UK and the USA.

This is a fascinating and unique book which explains the basics of a subject which is the next generation of model engineering, combining construction skills with computer programming and teaches you to build and run a working robot which can be controlled from any personal computer.

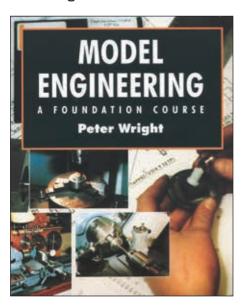
Harprit Singh Sandhu, BSME, MSCerE, is an American engineer and the founder of Rhino Robots Inc., where he was the chief designer of the 'Rhino' series of robots. In his spare time he is a journeyman designer, machinist & woodworker, whose interest in clock making led him to design & build the spindles described in the book.

Published by Nexus Special Interests, October 1997

Contents: History and Future; The Modern Robot; Mobile Robots; Running Motors; Encoders and Amplifiers; Sensors, Input and Output; Computer and Software; Robot Control Language; Robotic Vision; Selecting a Robot Design for Building; Skills, Tools, Time & Materials; Making the Walking Robot; Programming; Short Glossary of Robotic Terms; Table of ASCII Values; Scott Edwards Controller Information; Information on Software Discs; Drawing and Construction Notes; Component Supplier Information

MODEL ENGINEERING – A FOUNDATION COURSE

Peter Wright



Specification:
236 x 189 mm;
416 pages;
383 b+w photographs;
100 plans & line drawings;
tables of data;
ISBN 978 185486 152 8
Paperback £16.95
Classification: Model Engineering/Lathes

A text book by an experienced model engineer covering all the basic techniques: understanding engineering drawings, buying materials and marking out, sawing, filling, bending and forming metals. Includes a review of engineering materials, and the making of cutting tools in the home workshop for practical people who have little experience of working in metal.

Written by an experienced engineer, this new primer textbook covers all the basic techniques of model engineering: understanding engineering drawings; setting up a workshop; buying materials; marking out; sawing; filing; bending & forming metals; drilling & boring holes.

The book includes a review of the properties and characteristics of engineering materials and describes the hardening of carbon steel for cutting tools in the home workshop. Sources of information for model engineers are described together with the principal types of activity and common modelling scales.

Points for consideration when buying a lathe are covered, plus how it should be set up and operated. Also included is information on the preparation and sharpening of lathe tools and their use for the basic turning processes. A major chapter is dedicated to the adaptation of the lathe for milling and boring, and the use of the commonest types of milling cutter.

Profusely illustrated with line drawings and photographs, this is a comprehensive guide aimed at students and practical people with little experience of working with metal and wishing to embark on this fascinating hobby.

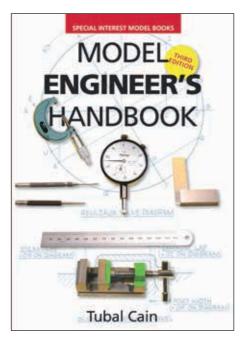
Published by Nexus Special Interests, October 1997 Special Interest Model Books edition published 2005

Contents: Introduction; Information and Supplies; Engineering Materials; Setting Up a Workshop; Measuring and Marking Out; Basic Handwork; Bending, Folding and Forming; Metal Joining — Mechanical Methods; Solders and Adhesives; Hole Production; Screw Threads; The Lathe – Essential Machine Tool; Holding Work in the Lathe; Principles of Turning; Basic Lathe Practice; Adapting the Lathe; Buying a Lathe; Index

MODEL ENGINEER'S HANDBOOK

Third Revised & Updated Edition

Tubal Cain



Specification: 210 x 148 mm; 240 pages; Over 200 tables and diagrams; ISBN 978 185486 134 4 Paperback £ 9.95; Category: Model Engineering This third edition comprises a compilation of tables, facts, procedures and data that the author has found invaluable in his model engineering activities including the use of data and calculations in both imperial and SI units. The book also contains helpful explanations of the hows and whys of using many of the entries.

All professional engineers have a little book in which they jot down those notes of fact, figures and formulae which they feel that they are likely to need on future occasions. It is always more convenient to look up one's own records than to wade through a lot of associated, but irrelevant material, especially as this may mean a trip to the reference library. Over a period of years, the contents of such notebooks grow to cover a wealth of vital information, and the time saved can be considerable.

During his professional life, Tubal Cain filled three such books and, as a lifelong engineer, he is in a unique position to select (and add to) the material most useful to the amateur engineer.

Model Engineer's Handbook comprises a compilation of those tables, facts, procedures and data which the author himself found valuable in his model engineering activities and it provides a real mine of information to which you will return again and again. Not the least of its attributes is the use, where appropriate, of data and calculations in both Imperial and SI units, so that all generations of model engineers can feel at home.

In this third edition, all the existing data has been updated or re-arranged for greater clarity and much new matter has been added to provide an even more comprehensive book, indispensable to the expert and beginner alike.

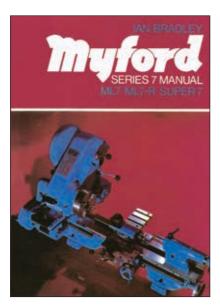
Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

First published by Argus Books in 1981; Second revised edition 1986; Third revised edition published by Nexus Special Interests in 1996; Special Interest Model Books edition published in 2003

Contents: SI Units and Metrication; Workshop Calculations; Standard Tapers and Collets; Screw Threads; Workshop Practice; Metal Joining; Properties of Materials; Steam and the Steam Engine; Air and Gases; Bolier Work; Piston and Gland Seals; Electrical Memoranda; General Moel Engineering

MYFORD SERIES 7 MANUAL

Ian Bradley



Specification:
210 x 148 mm;
232 pages;
116 b+w photographs;
173 plans and technical drawings;
Tables of data;
Index;
ISBN 978 085242 775 0
Paperback £ 8.95;
Classification: Model Engineering/Lathes

A reissue of lan Bradley's classic guide to using Myford 7 series metalworking lathes in the home workshop. First published in 1973, the author has revised the work to include the ML7, Super 7 and ML7-R lathes. This book will be as valuable to those who possess the latest type of lathe as those who have earlier machines.

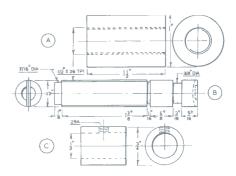
lan Bradley's classic guide to using Myford 7 series metalworking lathes in the home workshop was first published in 1973. The author revised the work in the 1980s to include the ML7, Super 7 and ML7-R lathes, so that the contents of the book are as valuable to readers who have the latest type of lathe, as well as those who possess the earlier machines.

This book is intended to be a workshop companion rather than simply a work of reference. It deals with the use of the lathe and the many items of equipment that have been provided for it.

First published in 1973 by Model & Allied Publications; Revised in 1977:

Second Revised Edition published by Argus Books in 1982;

Special Interest Model Books edition published in 2007



Contents: Myford ML7 Lathe; Myford Super 7 and ML7-R Lathes; Installation; Lathe tools; Sharpening; Mounting work in the lathe; General turning, drilling and boring in the lathe; Threading and Screwcutting in the Lathe; Milling in the Lathe; Gear Cutting in

the Lathe; Taper Work; Repetition Work; Additional fitments and operations; Maintenance; A two-tool back toolpost; Design changes; Formulae for gearing; Tables for threads; Lubrication charts

ORNAMENTAL TURNING

T.D.Walshaw



Specification:
234 x 156 mm;
208 pages;
182 b+w photographs, diagrams and plans;
ISBN 978 185486 108 5;
Paperback £18.95
Category: Model Engineering/Lathes/Woodworking

Contents: Ornamental Lathes and their Equipment; Cutting Tools and Materials; Principles and Practice of Surface Decoration; Setting Up the Machine; Manipulation of the Equipment; A Few Examples; This is the definitive guide to the art, aimed at not only the experienced turner but also at the novice. Tom Walshaw provides comprehensive chapters on purpose -built ornamental lathes, essential accessories, using cutting and decorative tools plus detailed information about screw threads and templates.

The art of ornamental turning in wood (and, in former days, ivory) has a long and distinguished history and it has recently experienced a renaissance among craftspeople. This is T.D.Walshaw's definitive guide to the art, aimed not only at the experienced woodturner, but also at the novice.

He provides comprehensive chapters on purpose-built ornamental lathes (both antique and modern), essential accessories, using cutting & decorative tools, plus detailed information about screw threads and templates. There are also clear directions on using a standard engineer's lathe to create ornamental work.

Fully illustrated with close-up photographs of work in stages and finished projects, plus detailed plans and diagrams, this is the classic instruction book for any woodturner wanting to master the art of ornamental turning. This is an essential reference work for all woodturners and collectors of turned art.

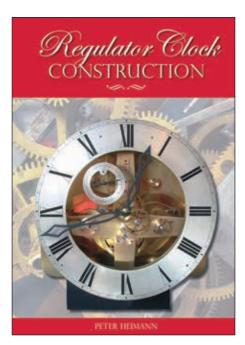
The author Tom Walshaw is better known to hobbyists under the pen name "Tubal Cain" - the writer of many best-selling home workshop and model engineering guides.

First published in hardback by Argus Books in 1990 Paperback edition published by Argus Books in 1994 Special Interest Model Books edition published in 2008

Ornamental Turning on Engineers' Lathes; The Geometric Chuck; Conclusion; Holtzapffel Screw Threads; Neatsfoot oil; Construction of Curvelinear; Templates; Index; Index of Illustrations

REGULATOR CLOCK CONSTRUCTION

K. Peter Heimann



Specification:
296 x 210 mm;
144 pages;
44 full-page scale plans and drawings;
55 b+w photographs;
189 978 185486 249 5
Paperback £14.95
Category: Model Engineering/Horology

This book describes the construction of two different clock projects - an eight day regulator clock and a month going regulator clock - and features full-page fully-dimensionalised working drawings supported by detailed photographs. It also includes instructions and plans for constructing glazed wood cases for each project.

This book describes the construction of two different clock projects - an eight day regulator clock and a month going regulator clock - and features full-page fully-dimensionalised working drawings supported by detailed photographs. It also includes instructions and plans for constructing glazed wood cases for each project.

It is intended for model engineering hobbyists with basic facilities to enable them to venture into the field of horology by building their own precision clocks which can become treasured family heirlooms.

The term "regulator" simply describes a precision clock. Every clockmaker and repairer needs such an instrument to use in regulating his repair and new work. The typical English regulator, as described in the first section, beats at one second intervals and will run for eight days between winding. The second project is a month going regulator clock, an equally high precision type which will run for a whole month between winding.

This book is based on a popular series of popular articles originally published over many years in Model Engineer magazine.

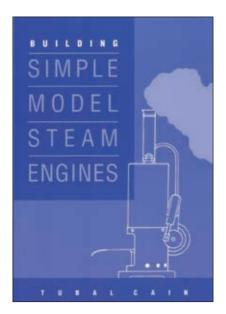
After a practical technical career and several years in consultancy, Peter Heimann was able to indulge in his hobby of model engineering. Over many years his interest has shifted from traditional steam power towards clock repair, restoration, design and building. He is an Associate Member of the British Horological Institute and is actively involved with the repair and restoration requirements of the City of Bristol Museums.

Published by Special Interest Model Books in December 2007

Contents: Introduction; An Eight-Day Regulator Clock; A Glazed Case for This Clock; A Month-Going Regulator Clock; A Glazed Case for This Clock; Appendices; Suppliers.

BUILDING SIMPLE MODEL STEAM ENGINES

Tubal Cain



Specification:
210 x 148 mm;
112 pages;
49 scale plans & drawings;
8 b+w photographs;
ISBN 978 185486 104 7
Paperback £7.95
Category: Model Engineering/Steam Engines

The sheer simplicity of miniature oscillating steam engines has an enduring fascination for all marine and model engineers. This book shows how to build four model steam engines and features designs and plans that even a beginner will be able to follow.

There is a fascination about the simple oscillating steam engine which attracts even the builders of true-scale, exact-to-prototype quadruple expansion marine engines! It may be their sheer simplicity of mechanism, it may be memories of childhood days when Father Christmas put one in the stocking, or it may just be the fun of seeing the machine work. This book describes the making of four such models:

Polly - a vertical steam plant

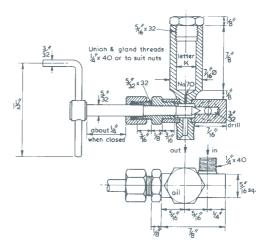
Elizabeth - a horizontal steam power plant

Hercules - a working model steam crane
Jenny Wren - a miniature vertical steam engine

The author built all four himself, and the first three were all featured in articles which appeared in Model Engineer magazine and elsewhere. Designs and methods of construction are clearly detailed with instructions that even a beginner will be able to follow.

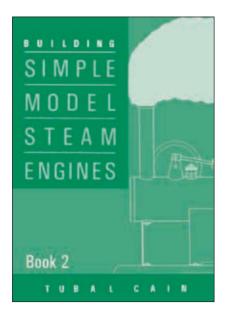
Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

First published by Model and Allied Publications in 1981 Re-issued by Argus Books in 1993 Special Interest Model Books edition published in 2003



BUILDING SIMPLE MODEL STEAM ENGINES Book 2

Tubal Cain



Specification: 210 x 148 mm; 112 pages; 80 scale plans & drawings; 20 b+w photographs; ISBN 978 185496 147 4 Paperback £ 7.95 Category: Model Engineering/Steam Engines Since the publication of the first book, the author has designed and built several more engines ranging from a delightful little turbine to a larger engine in the style of the magnificent 'Steam Engines of the Highest Class' offered by toymakers before WW1. Fully detailed methods of construction with the beginner in mind.

Following the publication of his first book (in 1981) dealing with these fascinating small-scale standing steam engines, the author Tubal Cain has designed and built several more - both as presents for the younger generation of his family and also entirely for his own satisfaction. These are now described in this second volume:

- Kitten a small overtupe engine
- Otto a simple steam turbine
- Henry a powerful 19th century oscillating steam plant
- Wencelas a steam engine of the most superior design

The scale model working steam engines range from a delightful little turbine - simplicity itself in design, but very interesting to build - to a larger engine in the style of the magnificent 'Steam Engines of the Highest Class' which were offered by the better class of toymakers before the First World War. As in the first book, the methods of construction are fully and clearly detailed, all being written with the beginner in mind.

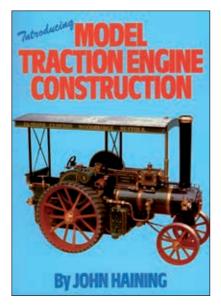
These steam engines have an enduring fascination for all marine and model engineers, as proved by the Model Engineer Exhibition which still attracts hundreds of thousands of visitors every year.

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

First published by Nexus Special Interests in 1998 Special Interest Model Books edition published in 2002

INTRODUCING MODEL TRACTION ENGINE CONSTRUCTION

John Haining



Specification:
210 x 148 mm;
112 pages;
64 scale plans & drawings;
20 b+w photographs;
ISBN 978 085242 805 4
Paperback £ 7.95
Category: Model Engineering/Steam Engines

The doyen of traction engine modelling explains and illustrates what is involved in the construction of working steam models (including workshop processes and tools needed) and outlines the history and variety of such engines.

Those of an engineering bent who wish to make a live steam model have a basic choice between a railway locomotive, a stationery engine, a marine engine or a traction engine in one form or another. The locomotive needs a track, the marine engine a hull and a stretch of water, but a traction engine can run on any area of reasonable ground. Coupled with the enormous growth of interest in preserving and running full-sized engines at agricultural shows and steam rallies, it is no wonder that traction engine models are so popular.

In this book, John Haining, the doyen of traction engine modelling, explains what is involved in the construction of working steam models and outlines briefly the history and variety of such engines. A degree of reader familiarity with normal machine work and workshop practice is assumed, but even the inexperienced lathe owner will easily follow the procedures with the aid of the many clear illustrations provided by the author and will be encouraged to try his hand at this fascinating branch of model engineering.

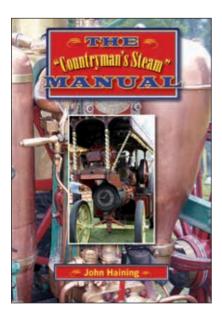
John Haining gave up the family farm to serve an apprenticeship in steam when it was still the predominant source of power in the countryside. An apprentice's life was a hard one in those days but the hard work and strict training stood him in good stead and led on to further valuable experience gained in the drawing and design offices of Cammell Laird, Joseph the boilermakers of Hyde, and Sentinels of Shrewsbury. He died in 2005.

First published by Argus Books in 1983 Special Interest Model Books edition published in 2002

Contents: A brief history of the traction engine; Choice of an engine and deciding on a scale; Order of construction; Description of the steam engine; Boilers - locomotives and other types; Smokeboxes, chimneys, grates, boiler fittings and cladding; Cylinders and valve gear; Connecting rods, crankshafts and bearings, compound cylinders, safety valves, lubricators; Road gears and compensating gear; Tender, steerage details, wheel and roll construction; Painting and lining; Raising steam and driving; The engine "outfit".

THE "COUNTRYMAN'S STEAM" MANUAL

John Haining



Specification:
210 x 148 mm;
88 pages;
44 scale plans & technical drawings;
8 b+w photos;
ISBN 978 185486 136 8
Paperback £ 7.95
Category: Model Engineering/Steam Engines

Contents: Steel boilers and welding requirements; Steel boilers - vertical types; Copper boilers; Testing and care; Safety valves; Boiler feed pumps and engine notes; Wheel construction and general platework First published in 1982, this new and enlarged edition covers the design, construction and care of steel boilers in general, with formulae and data used by firms of repute. Designs of three vertical boilers are included - the Sentinel, the Caradoc and a 3-inch scale version.

John Haining gave up the family farm to serve an apprenticeship in steam when it was still the predominant source of power in the countryside. An apprentice's life was a hard one in those days but the hard work and strict training stood him in good stead and led on to further valuable experience gained in the drawing and design offices of Cammell Laird, Joseph the boilermakers of Hyde, and Sentinels of Shrewsbury. He died in 2005.

For nearly thirty years, John Haining (under the pen name "Countryman's Steam") contributed a vast range of designs and constructional articles to the pages of Model Engineer magazine. These covered all types and sizes of engine:- steam traction engines for the road and field and standing engines, and the way they worked with ploughs, cider mills, elevators and threshing machines. The articles were always popular with those seeking steam experiences away from the railways, and as a result the author built up an authoritative reputation for the extent of his knowledge in this area. As a technical consultant to Model Engineer, the author built up an enviable reputation for the extent of his knowledge and the immense trouble he took to reply fully and clearly to readers' queries and problems.

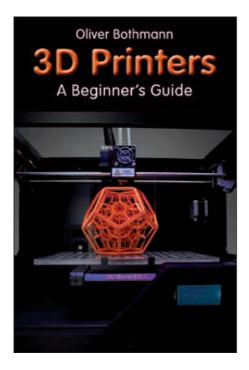
This book was originally written in 1982 to expound on some of the problems encountered by engine owners, both in full size and in small scale. It places particular emphasis on design and construction, and the care of steel boilers, with formulae and data used by the top firms. A new and enlarged edition was extended to cover more fully the design, construction and care of steel boilers in general, with formulae and data used by firms of repute. An extra chapter was included covering the author's designs of three vertical boilers, the Sentinel, the Caradoc and a 3 inch scale version.

First published in 1982 Revised and enlarged edition published by Nexus Special Interests in 1996 Special Interest Model Books Edition published in 2012

3D PRINTERS

A Beginner's Guide

Oliver Bothmann



Specification:
234 x 156 mm;
60 pages;
246 colour photographs;
Paperback £9.95
ISBN 978 185486 274 7
Classification: Model Engineering/Crafts/Design & Technology

A fully illustrated introductory guide for hobbyists and professionals to the technology of 3D printing, the software and hardware required, printing at home and at service providers and the printing process itself.

3D printing is a new craft technique that seems like science fiction. Objects appear to be created out of nothing — as if by magic.

3D printing will be one of the key technologies for the future, because everybody that is able to use the necessary software will be able to manufacture a lot of things at home. It is set to revolutionise the way everything is made and may change production processes fundamentally forever.

This book shows you the practice of 3D printing at home. It gives the reader an overview of the basics of this technique and the materials and the knowledge you need for a successful start in the use of 3D printing. The hardware and software you need is described, and tips and tricks for the practical application of 3D printing are given.

If you aspire to use 3D-printing for your hobby or for creating other things like spare parts or personalised items, this book is a guide for your first steps into a new future

Oliver Bothmann is a technical journalist based in Germany, a former editor-in-chief of three modelling magazines and published expert on modelling and machinery.

"Clearly sets out the basics of the technology, the knowledge required and the information on materials used. This book covers the basics which will prepare you for your own needs as they develop."

modelengineeringwebsite.com

"This well finished handbook . . . is exactly what it claims to be, a real beginner's guide and I recommend it to anyone planning to invest in a 3D printer."

Model Engineers' Workshop

"This is a superb book which anyone considering a machine should consider a "must have" as the 3D printers are well within the pocket of most hobbyists." Engineering in Miniature

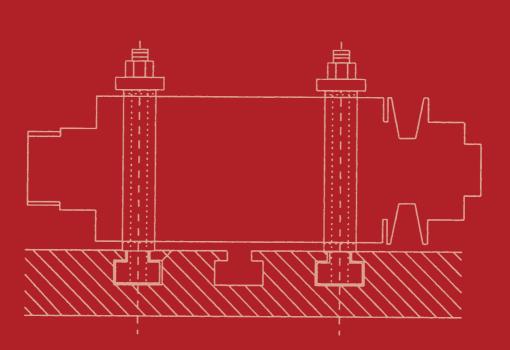
Published by Special Interest Model Books in 2014

Contents: What is 3D printing?; The differences between 3D printers; The way to your first print; Software for construction, preparation of

printing and the printing process; Printing practice; What can I do with my printer?; Printing at service providers

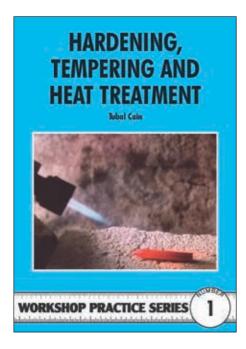
WORKSHOP PRACTICE SERIES

The Workshop Practice Series is the world's leading range of books for model engineers, metalworking and mechanical crafts: some of the books have been in print for 50 years; most of them still reprint every 18 months.



Workshop Practice Series No. 1 HARDENING, TEMPERING AND HEAT TREATMENT

Tubal Cain



A comprehensive exposition of the structure of steels and the effects of different heat treatments, particularly in respect of tools. With accurate colour temperature charts

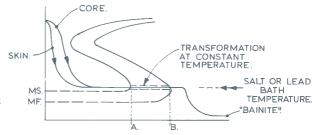
In this valuable book Tubal Cain takes the reader beyond the superficial or the simply practical with explanations of the composition of steel, its additives, and the effects of different temperatures on its constituents. With a grasp of what changes are actually taking place in the metal the care needed in following the practical processes described becomes understandable and will lead to better and more consistent results. Flame, salt bath and furnace heating are detailed, with information on accurate measurement or recognition of temperature levels.

For the average small workshop operative or model engineer the discourses on tool material, hardening and tempering will be of most use, and in this connection this book replaced the author's earlier Hardening and Tempering Engineers' Tools, providing a broader-based, more detailed and up to date examination of the subject.

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

Originally published in 1984 by Argus Books Ltd Special Interest Model Books edition published 2002

Specification:
210x148 mm;
124 pages;
4 pages of colour photographs;
32 black & white photographs
34 graphs, tables and diagrams;
Index;
ISBN 978 085242 837 5
Paperback £7.95;
Classification: Model Engineering/Metalworking



Contents: Iron & Steel; Principles of the Hardening Process; Heating and Quenching in Practice; Tempering; Heating Equipment; Casehardening; Other Heat Treatment Processes; The Measurement of Hardness; Home Construction of Furnaces; Safety Precautions; Thermocouples and Pyrometers; Carbon Steel Cutting Tools; British Standard Steel Specification Numbers; Hardness Conversions.

Workshop Practice Series No. 2 VERTICAL MILLING IN THE HOME WORKSHOP

Arnold Throp

VERTICAL MILLING IN THE HOME WORKSHOP

Arnold Throp



WORKSHOP PRACTICE SERIES 2

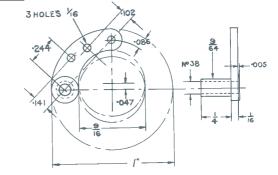
Specification: 210 x 148 mm; 94 pages; 52 black & white photographs 7 tables and diagrams; Index; ISBN 978 085242 843 6 Paperback £7.95; Classification: Model Engineering/Lathes Small workshops, including those of model engineers, are making increasing use of small vertical milling machines. This book explains how to use them {and lathe milling attachments} in clear terms.

The increasing appearance of vertical milling machines in model engineers' and other small workshops has brought the versatility of this type of machine to the notice of a large and growing group of potential users, but until the first edition of this book was published in 1977 there was little available guidance for the average amateur or small user.

This third revised edition includes descriptions of many of the very wide range of operations possible with photographed examples, plus information on machines, accessories, cutters, chucks, requirements and methods of work-holding.

Arnold Throp C. Eng., F.I.Mech.E. enjoyed a long and successful engineering career starting with very large steam and oil engines and including high-tension switchgear, mining machinery and machine tools. He has achieved over 55 years of membership of the Institute of Mechanical Engineers.

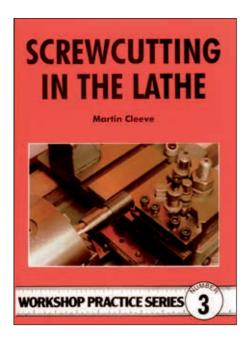
Originally published in 1977 by Argus Books Ltd Second Revised Edition 1984 Special Interest Model Books edition published 2004



Contents: Evolution of the Vertical Miller; Milling Flat Surfaces; Slitting and Cutting; Keyway Cutting; Fluting Components Other Than Tools; Boring; Jig-Boring; Profiling; End-Rounding; Dividing Heads; Gear-Cutting; Tool Making; Graduated Scales; Cutter Speeds For Vertical Millers; Work-Holding With Difficult Shapes; Chucks For Milling Cutters.

Workshop Practice Series No. 3 SCREWCUTTING IN THE LATHE

Martin Cleeve



Specification:
210 x 148 mm;
174 pages;
17 black & white photographs
63 scale diagrams;
13 tables of data;
Index;
ISBN 978 085242 838 2
Paperback £ 7.95;
Classification: Model Engineering/Lathes

A fully comprehensive survey of the use of a lathe for all forms of screwcutting in all thread forms, imperial and metric. Calculations, gear trains, conversions, etc are all explained and also set out in tabular form.

One of the most useful functions of a modern lathe is its ability to cut any form of external or internal thread of any thread form, pitch or diameter within the overall capacity of the machine. Detailed information of a practical nature is, however, not easy to find - a situation that this book does much to rectify.

The author was a very experienced engineer with the capability of converting factual analyses into easily understood forms. His own expertise and the standards to which he worked are evident in his writing, and in addition he is also quite at home with both imperial and metric measures having considerable experience in the conversions required when working in partially metricated areas. This book is not only an invaluable treatise on lathe screwcutting but is also a useful demonstration of working in both imperial and metric standards.

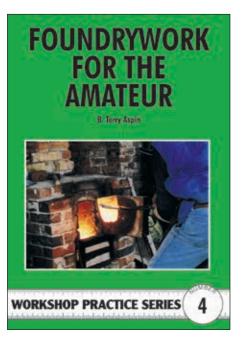
'Martin Cleeve' was the pen name of Kenneth C. Hart, a respected contributor for some thirty years to Model Engineer magazine. His painstaking, perfectionist approach to high-quality, accurate work (which so clearly comes through in this book as in all his other writing) led him to design and describe many original lathe accessories which have been made and regularly used in hundreds of amateur and professional workshops.

Originally published in 1984 by Argus Books Ltd Special Interest Model Books edition published 2002

Contents: Introductory Notes; Principles of Lathe Screwcutting; Gearing an English Leadscrew for Metric Threads; lathes with Metric Leadscrews; Problems and Analysis of Repeat Pick-Up; MultipleStart Threads; Single Point Lathe Threading Tools; Practical Aspects of Lathe Screwcutting; Practical Thread Sizing Measurement; Lit of Tables.

Workshop Practice Series No. 4 FOUNDRYWORK FOR THE AMATEUR

B. Terry Aspin



Specification:
210 x 148 mm;
104 pages;
52 black & white photographs
98 line drawings & scale plans;
Index;
ISBN 978 185486 168 9
Paperback £7.95;
Classification: Model Engineering/Metalworking

This book is regarded as the perfect introduction to casting work in common metals. This new edition brings everything right up to date additional copy with new photographs and redrawn illustrations of the latest amateur foundry technology.

This book is regarded as the perfect introduction to casting common hot metals in moulds, providing all the information needed by amateur foundrymen.

Since 1954, when Foundrywork for the Amateur was first published, the advance of technology and engineering has been enormous and there have been many revisions along the way. However, conditions in the 21st century are so far removed from the state of affairs in the 1950s that, although the basic principle of the foundry remains the same, the language and the presentation of the book was due to be uplifted. This present edition therefore represents a complete rewrite to conform to the era and, in particular, to the availability of material which at one time was taken for granted.

Not only has the text been updated, but the illustrations have been completely redrawn and, on the basis of the advances made in the amateur foundry since the early days, the photographs have also been renewed and increased in number. This new edition also reflects the author's growing interest in the model steam locomotive.

Originally published in 1954 by Percival Marshall & Co. Revised and Enlarged in 1957 by Percival Marshall & Co. Revised in 1969 by Model & Allied Publications Revised 1975, 1982 and 1984 by Argus Books Ltd (978 085242 842 9)

Revised Edition published by Nexus Special Interests in 1998

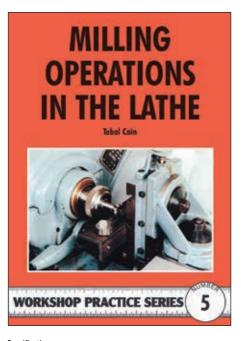
Special Interest Model Books edition published 2002

Contents: Crucibles; the Furnace; Foundry Sand; Moulding Boxes; Pattern Making; Cores and Core

Making; Making a Greensand Mould; Melting Procedure; a 'Drop Bottom' Cupola; Suppliers.

Workshop Practice Series No. 5 MILLING OPERATIONS IN THE LATHE

Tubal Cain



Specification:
210 x 148 mm;
126 pages;
135 black & white photographs
38 scale diagrams;
7 tables of data;
Index;
ISBN 978 085242 840 5
Paperback £7.95;

Classification: Model Engineering/Lathes

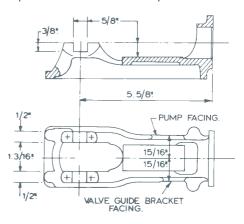
Contents: Crucibles; the Furnace; Foundry Sand; Moulding Boxes; Pattern Making; Cores and Core Making; Making a Greensand Mould; Melting Procedure; a 'Drop Bottom' Cupola; Suppliers. This book is a thorough and practical discourse on how to use the lathe for all types of milling work. Next to turning, the most valuable use of the lathe is for milling operations, either using the lathe itself to drive the cutters or by extending its scope by adding a separate milling attachment.

Despite the growing numbers of milling machines in amateur workshops, a majority of model engineers still rely on a lathe and a drilling machine as the basic equipment. The lathe, 'the king of machine tools', can be adapted for almost any function, but next to turning its most valuable use is for milling operations, either using the lathe itself to drive the cutters or by extending its scope by the addition of a separate milling attachment.

One of the most popular titles in model engineering books for almost sixty years was Milling in the Lathe, which first appeared in the 1920s and continued in updated and revised editions until 1983. This book replaces it, covering all the basic information it contained and adding to it from recent experiences and developments. The author, Tubal Cain, needs no introduction to Model Engineer readers as a highly experienced engineer and skilled craftsman with an ability to write on engineering subjects in a clear, simple and thorough style.

Contents: The Lathe as a Milling Machine; Milling Cutters; Tooth Geometry, Speeds, Feeds and Cutter Holding; Workholding; Milling Attachments; Indexing and Dividing; Procedures and Case Studies; Combined Operations and Complex Milling; Care of Cutters.

Originally published in 1984 by Argus Books Ltd Special Interest Model Books edition published 2003



Workshop Practice Series No. 6 MEASURING & MARKING METALS

Ivan Law

MEASURING AND MARKING METALS

Ivan Law



WORKSHOP PRACTICE SERIES 6

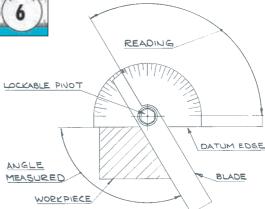
Specification:
210 x 148 mm;
112 pages;
60 black & white photographs
27 scale data;
ISBN 978 085242 841 2
Paperback £7.95;
Classification: Model Engineering/Metalworking

Model engineers and many small workshops do not need, or have access to, much of the sophisticated measuring equipment used in industry. Accurate marking out and measurement by more basic means at all stages of work are comprehensively described by an expert engineer.

Although much of model engineering work is a matter of making one part to fit another and thus may obviate the need for the sophisticated means of measuring often called for in production engineering, the accuracy of a finished job begins with the exactness of the initial making out and continues with the accuracy of measurements made during the progress of the work. How to use measuring equipment and how to mark out work — not always the simple matter it might at first seem — are essential skills for any engineer and the purpose of this book is to show how they may be acquired and employed.

The author, Ivan Law, is a very experienced and muchrespected engineer who will be known to many readers for, particularly, his lucid and practical demonstrations and explanations over many years at the annual International Model Show.

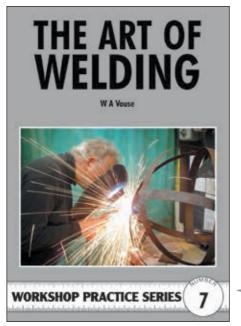
Originally published in 1985 by Argus Books Ltd Special Interest Model Books edition published 2002



Contents: Concepts of Measurement; Rules and Calipers; Micrometers; Vernier Caliper Gauges; Dial Gauges; Angular Measurement; General MarkingOut Tools; Tools For Marking Castings, Forgings, etc; Marking Out Sheet Components; Interpreting Drawings; Summary; A Practical Exam.

Workshop Practice Series No. 7 THE ART OF WELDING

W.A.Vause



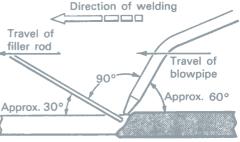
Specification:
210x148 mm;
96 pages;
15 black & white photographs
76 scale diagrams;
3 tables of data;
ISBN 978 085242 846 7
Paperback £7.95;
Classification: Model Engineering/Metalworking

This book sets out the basic techniques for oxyacetylene welding, brazing, flame cutting and electric arc welding with mild steel, cast iron, stainless steel, copper, brass etc. in sheet, plate or cast form.

Welding, by oxy-acetylene or electric arc, is a skill in increasing demand and one for which the basics can be learned without great difficulty. In this book, the author sets out the basic techniques and the art for oxy-acetylene welding, brazing, flame-cutting and electric arc welding with mild steel, cast iron, stainless steel, copper, brass and aluminium etc in sheet plate or cast form.

W.A. Vause spent forty years as a welder and several as welding instructor at Queen Elizabeth College for the Disabled. He wrote this book with the assistance of the Engineering Industry Training Board.

Originally published in 1985 by Argus Books Ltd Special Interest Model Books edition published 2002

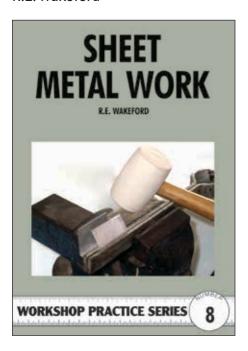


Leftward welding

Contents: Welding by the Oxy-Acetylene Process; Exercises with Mild Steel; Gas Welding Other Metals; Brazing; Oxy-Flame Cutting; Arc Welding; Exercises in Welded Joints; Cast Iron and Stainless Steel; Pipe Welding, Vertical and Overhead Welding of Mild Steel; Building Up and Reinforcement; Resistance Welding; T.I.G. Welding; M.I.G. Welding; Weld Symbols; Aids to Assemblu; Welding Defects.

Workshop Practice Series No. 8 SHEET METAL WORK

R.E. Wakeford



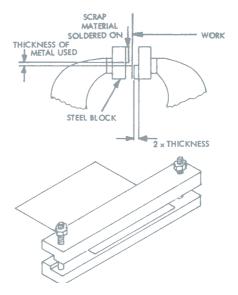
Specification:
210 x 148 mm;
152 pages;
18 black & white photographs
120 diagrams and line drawings;
4 tables of data;
Index;
ISBN 978 085242 849 8
Paperback £ 7.95;
Classification: Model Engineering/Metalworking

The author is an instructor in metal work and allied crafts and describes clearly all the processes likely to be encountered by the hobbyist in a model or light engineering workshop.

Whether folding a chassis for a piece of equipment, beating or spinning a curved shape, drilling or punching holes or repairing a tank or car panel, the how and why is simply explained in this comprehensive book.

The author, R.E.Wakeford, is an instructor in metalwork and allied crafts and uses his teaching experience to describe clearly all the processes likely to be encountered by the hobbyist or in a model or light engineering workshop.

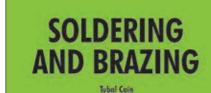
Originally published in 1985 by Argus Books Ltd Special Interest Model Books edition published 2002



Contents: Tools; Metals and their Characteristics; Marking and Cutting; Shaping Methods; Seams, Edge Finishes, Joints; Soldering, Hard Soldering and Brazing; Rivets and Riveting; Welding; Repair Work; Spinning; Finishing Processes; Sheet Thickness; Judging the Temperature of Metals.

Workshop Practice Series No. 9 SOLDERING AND BRAZING

Tubal Cain





WORKSHOP PRACTICE SERIES

Classification: Model Engineering/Metalworking

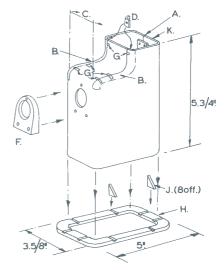
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Specification: 210 x 148 mm; 136 pages; 70 black & white photographs 40 graphs & scale diagrams; 18 tables of data; ISBN 978 085242 845 0 Paperback £ 7.95; Joining metal by one form or another of soft and hard soldering, or brazing with various alloys, are run-of-the-mill jobs in model and light engineering workshops. Tubal Cain examines the processes, equipment, materials and explains what is happening in the joints as they are made.

Joining metals by one form or another of soft or hard soldering, or brazing with various alloys, are run-of-the-mill jobs in model and light engineering workshops — so much so that little thought is given as to whether there might be a quicker, more efficient or less expensive means of achieving the required end. In Soldering and Brazing respected engineering writer Tubal Cain examines in detail the processes, equipment and materials, and explains what is happening in the joints as they are made with practical examples, test pieces, tabulated data etc. This is a thorough, comprehensive and, above all, useful book.

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

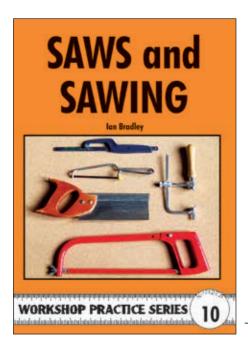
Originally published in 1985 by Argus Books Ltd Special Interest Model Books edition published 2002



Contents: The Characteristics of Filler Metals; Soft Solders; Brazing Alloys; Fluxes; Soft Soldering Techniques; Tools for Soft Soldering; Brazing Techniques; Brazing Equipment; Capillary Joint Design; Safety Precautions; Properties of Brazing Alloys; Data on Fuel Gases; Hazards Arising From Cadmium-Bearing Alloys.

Workshop Practice Series No. 10 SAWS & SAWING

Ian Bradley



Specification: 210 x 148 mm; 96 pages; 70 black & white photographs 74 scale diagrams; 13 tables of data; ISBN 978 085242 887 0 Paperback £ 7.95;

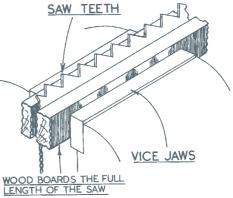
Classification: Model Engineering/Metalworking

зь раges; 70 black & white photographs 74 scale diagrams; 1.3 tables of data: This book examines all types of saw, hand and machine, their use, maintenance and useful tables relating to various applications.

The saw is one of the most basic tools and tends to be taken very much for granted. Many hours and much effort can be saved, and more accurate work produced, if the user has the knowledge of how his saw works and how to keep it in good condition. In this book lan Bradley provides detailed guidance on the use and maintenance of all types of saw, both hand and mechanical, from the humble junior hacksaw to circular and bandsaws, in the comprehensive and succinct manner that has made him such a respected writer on workshop matters.

lan Bradley, who died in 1995, had a lifetime's experience in precision engineering and contributed articles to *Model Engineer* magazine for over 50 years. He was the author of one of the standard textbooks for the hobby, *The Amateur's Workshop*.

Originally published in 1986 by Argus Books Ltd Special Interest Model Books edition published 2005



Contents: The Wood Saw; Sharpening Saws; Circular Saw; Using Wood Saws; Hacksaw; Hacksaw Blade; Using the Hand Hacksaw; Bench-Mounted Hacksaw Machines; Power Hacksaw; Using the Power Hacksaw; Fretsaw; Power Fretsaws; Jigsaws; Cold Saw; Bandsaw; Bandsaw Brazers and Welders; Miniature Hacksaw Plans.

Workshop Practice Series No. 11 **ELECTROPLATING**

J. Poyner

ELECTROPLATING

J. Poyner

WORKSHOP PRACTICE SERIES

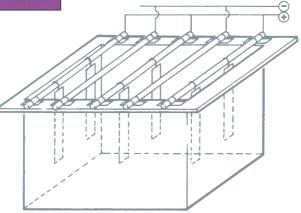
This title, which replaced the very popular *Electroplating for the Amateur,* will be of value to model engineers and small workshops wishing to plate with any of the customary metals using simple equipment.

The techniques of depositing a thin metallic layer on an object for decoration, corrosion protection, electrical conductivity, wear resistance and so on have been known for many years but have been developed and improved to a remarkable extent in the second half of this century. This book sets out to discuss the principles and practice of those forms of plating most suited to the amateur and small workshop, using relatively simple and inexpensive equipment to produce results virtually undetectable from work carried out by major plating concerns.

Jack Poyner, a professional involved in all forms of plating for many years, is also a keen model engineer able to recognise the dividing line between what his average fellow enthusiast would consider practical and worthwhile and what is really better left to experts in the field. The result is a really useful and practical book, which will be of value to both amateur and light industrial users in many diverse fields.

Originally published in 1987 by Argus Books Ltd Special Interest Model Books edition published 2002

Specification:
210x148 mm;
62 pages;
9 black & white photographs
23 scale diagrams;
4 tables of data;
Index;
ISBN 978 085242 862 7
Paperback £ 7.95;
Classification: Model Engineering/Metalworking

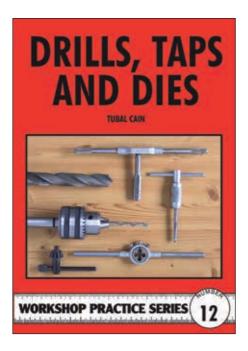


Contents: Principles of Electroplating; Electrical Supply; Electroplating Tank; Cleaning of the Substrate; The Electrolyte; Electroforming and Electroplating

on Non-Conductors; Electroless Electroplating; An Example; The Consideration of Electroplating; Finishing of Aluminium and its Alloys.

Workshop Practice Series No. 12 DRILLS, TAPS AND DIES

Tubal Cain



In this book, Tubal Cain discusses drills and drilled holes and threading with taps and dies, primarily by hand. Imperial and metric sizes plus conversions are included together with all standard thread gauges, sharpening etc.

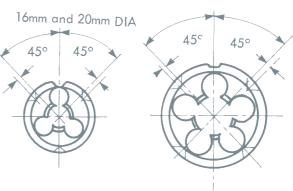
Drilling true and correctly dimensioned holes and cutting accurate threads are basic requirements in all engineering work, but as in all areas of engineering new materials and new techniques lead to alterations in standards. Many of these are primarily concerned with production engineering and are well documented, but others affect the quite different the discontinuation of 'number' drills and the phasing out of cycle threads; add the currently book written with the small user in mind is apparent.

Drills, Taps and Dies not only provides comprehensive tables of all the tools available or likely to be encountered but also explains the differences in various types of drill and thread form and their practical applications. One of the features of the book is a thorough examination of the correct size holes for thread tapping, which in itself could save readers the cost of the book several times over, in the avoidance of broken taps!

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

Originally published in 1976 by Argus Books Ltd Special Interest Model Books edition published 2003

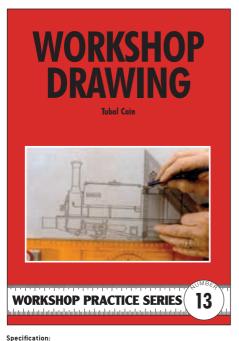
Specification:
210 x 148 mm;
104 pages;
28 black & white photographs
52 graphs & scale diagrams;
26 tables of data;
Index;
ISBN 978 085242 866 5
Paperback £ 7.95;
Classification: Model Engineering/Metalworking



Contents: Twist Drills; Drills of Other kinds; Drill Sharpening; Drill Chucks; Screw Threads; Taps and Dies - General; Hand Taps; Tapping Drills; Screwing Dies; Tap and Die Sharpening; Drilling Forces; Dimensions of BA Tap Shanks; Tables.

Workshop Practice Series No. 13 WORKSHOP DRAWING

Tubal Cain



210 x148 mm; 114 pages; 90 b+w plans and scale drawings; Index; ISBN 978 185486 182 5 Paperback £7.95; Classification: Model Engineering/Plans

Contents: Rules and Grammar of Drawing; Conventions of Projection; Hidden Details

and Sections; Dimensioning; Conventional Representation; Tolerances; Machining Marks;

The long-awaited new edition of Tubal Cain's comprehensive, classic guide to making the reading technical workshop drawings, featuring the author's classic text with completely new illustrations and technical drawings, specially created for this purpose.

Tubal Cain has achieved an international reputation both as a writer and modelmaker, but it is known less generally that in his previous career he was not only an engine designer of some note but also a teacher of engineering drawing. In this book he has amalgamated that experience with an appreciation of the difficulties often felt by model engineers when reading or making workshop drawings. He explains not only the 'rules' but also the reasons why they are important and, acting on the principle that one sketch is worth a thousand words, illustrates his points wherever possible.

One of the merits of this book are the illustrations of conventions which are now out of date but are still to be found on many of the archive plans and drawings needed by the model engineer. This book will also serve as an aide-memoire to the professional engineer whose drawing-office days are over.

This revised edition features the author's classic text with completely new illustrations and technical drawings, specially created for this purpose.

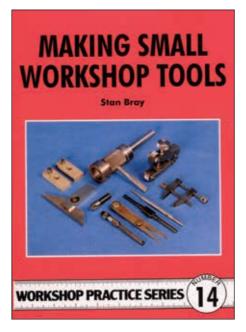
Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

Originally published in 1988 by Argus Books Ltd Revised 2nd edition published in 2003 in Special Interest Model Books

Making Drawings and Sketches; Reading Drawings; Developments and Intersections; Metric and Imperial Drawings; Theory of Orthographic Projection; Standard Sizes of Drawing Paper.

Workshop Practice Series No. 14 MAKING SMALL WORKSHOP TOOLS

Stan Bray



Specification:
210 x 148 mm;
114 pages;
93 black & white photographs
52 plans & scale diagrams;
ISBN 978 085242 886 3
Paperback £ 7.95;
Classification: Model Engineering/Lathes

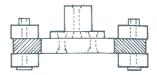
Contents: Part One: Marking Out Tools - Scriber; Punches; Calipers; Rule Holder; Scribing Block; Engineer's Bevel; Centre Square; Trammel.

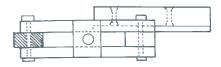
Part Two: Benchwork - Drill Clamps; Filing Plates; Small Hand Clamp; Pin Chucks; Toolmaker's Clamps; Tap and Die Holders. Making twenty-two simple but useful adjuncts to the tool kit for bench and lathe use, none taking any more than 3 to 4 hours or involving special materials, yet each able to save considerable time in use as well as aiding accuracy. With working drawings, photographs and sketches etc.

The accumulation of odds and ends of bar and rod is inevitable with any lathework, but rather than throw them into an ever-growing scrap-box, why not turn them into useful little tools to simplify and speed up future work?

In this book Stan Bray describes twenty-two simple but useful adjuncts to the tool kit for bench and lathe use, none taking any more than 3 to 4 hours or involving special materials, yet each able to save considerable time in use as well as aiding accuracy. You may not see an immediate need for some of them, but once made it is surprising how often they will be used. There is also the satisfaction of turning what might have been wasted into something useful and the knowledge that money has been saved.

Originally published in 1987 by Argus Books Ltd Special Interest Model Books edition published 2002





Part Three: Lathework - Flycutters; Rose Bit; Box Tool; Knurling Tools; Filing Rest; T-Bolts, Dogs and Jacks; Bolting Bars; Simple Indicator.

Workshop Practice Series No. 15 WORKHOLDING IN THE LATHE

Tubal Cain

WORKHOLDING IN THE LATHE

TUBAL CAIN



WORKSHOP PRACTICE SERIES 15

Specification:
210 x 148 mm;
112 pages;
88 black & white photographs
56 plans & scale drawings;
Index;
ISBN 978 085242 908 2
Paperback £7.95;

Classification: Model Engineering/Lathes

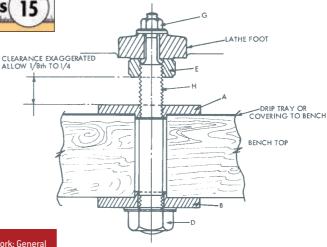
A fundamental requirement of the lathe operation is the ability to hold any workpiece securely on the machine. In this book, the author discusses all the practical aspects of the subject, with photographs to illustrate specific points.

A fundamental requirement of lathe operation, for accuracy and safety, is the ability to hold any workpiece securely and, preferably, repeatedly on the machine. While few problems arise with straightforward work on a properly aligned lathe, the variety of jobs undertaken by small workshops and model engineers is bound to give rise to occasions when how to hold work requires consideration. When great accuracy is essential, working methods and lathe set-up are vital for an acceptable result.

In this book Tubal Cain discusses in his inimitable, practical style all aspects of the subject with the whys and hows, including basic lathe alignment.

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

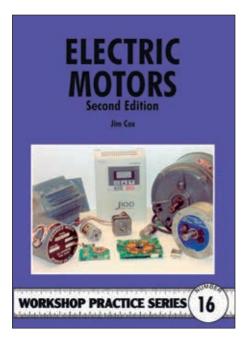
Originally published in 1987 by Argus Books Ltd Special Interest Model Books edition published 2005



Contents: Between Centres; Faceplate Work; General Chuckwork; Universal or Independent Chuck; Self-Centreing Chuck; Unusual Chucks; Collets; Work Steadies; Lathe Alignment.

Workshop Practice Series No. 16 ELECTRIC MOTORS Second Edition

Jim Cox



Specification:
210 x 148 mm;
152 pages;
38 black & white photographs
79 circuit diagrams & scale drawings;
Index;
ISBN 978 185486 246 4
Paperback £7.95;
Classification: Model Engineering/Electrics

All types of electric motors for workshop use are described here. Principles, characteristics, operation, installation, speed control, braking etc. plus generators, safety, testing and a useful section on identifying and applying scrap motors.

This book deals with principles and characteristics of the wide range of motor types likely to be useful in small engineering workshop applications. It also covers matters such as speed control, electric braking, generators, installation and safety aspects - everything, in fact, of practical value to the small workshop user.

In the years since the publication of the first edition, the book has become a well-established reference source for users to dip into when more information is needed on how motors behave both in standard usage and also in less common applications. In this time a lot has happened in the field of motor design.

This second edition now contains updated information covering both these later developments in motor types and their control systems. A major section is devoted to the characteristics and installation of Variable Frequency Drive units (VFDs). It also covers the operating differences between North American and European power systems

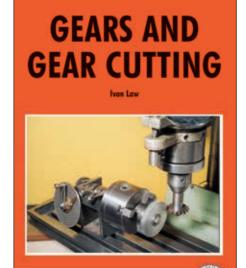
The author, Jim Cox, was Chief Engineer of a well-known electronics company and spent his working life closely involved with electronic and electro-mechanical equipment. He has been a keen model engineer for many years and is well aware of both the needs of small engineering workshops and the capability of their owners. He is also known as a familiar contributor to Internet News Groups under his 'pentagrid' signature.

Originally published in 1988 by Argus Books Ltd Revised and Updated 2nd edition published 2006 by Special Interest Model Books

Contents: Safety; Basics; Induction Motors; Variable Frequency Drives; 3 Phase Operation; Commutator Motors; Stepper Motors; Speed Control and Electric Braking; Generators; Installation and Protection; Identifying and Using Scrap Motors; Test Equipment.

Workshop Practice Series No. 17 GEARS AND GEAR CUTTING

Ivan Law



Explanations and reasons for all conventional types of gears are clearly set out in this book together with useful tables and machinery techniques to form an invaluable reference work for anyone dealing with machinery.

Gears in one form or another are a part of most mechanisms, but they are by no means as simple as they may appear. This book explains simply, clearly and comprehensively the underlying theory involved and, in its second part, how to cut gears on a lathe or milling machine.

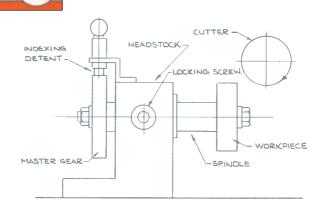
Explanations and reasons for all conventional types of gears are clearly set out in this book together with useful tables and machinery techniques to form an invaluable reference work for anyone dealing with machinery. It covers all the questions raised by enthusiasts who have watched the author demonstrating gear-cutting techniques at exhibitions throughout Britain, where his advice on engineering matters has been constantly sought.

The author, Ivan Law, is a very experienced and muchrespected engineer who will be known to many readers for, particularly, his lucid and practical demonstrations and explanations over many years at the annual International Model Show.

Originally published in 1988 by Argus Books Ltd Special Interest Model Books edition published 2002

Specification:
210 x 148 mm;
136 pages;
26 black & white photographs
84 plans & scale drawings;
11 tables of data;
Index;
ISBN 978 085242 911 2
Paperback £ 7.95;
Classification: Model Engineering/Lathes

WORKSHOP PRACTICE SERIES



Contents: Basics; Tooth Form; Gear Tooth Sizes; Rack and Pinion Gears; Bevel Wheels; Worm Gears; Definitions and Formulae; Dividing Heads; Cutting Spur Gears; Cutting Worms and Wormwheels; Cutting Bevel Gears; Making Gear Cutters.

Workshop Practice Series No. 18 BASIC BENCHWORK

Les Oldridge

BASIC BENCHWORK
Les Oldridge

WORKSHOP PRACTICE SERIES 18

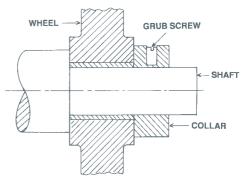
Specification:
210 x 148 mm;
128 pages;
42 black & white photographs
119 plans & scale drawings;
14 tables of data;
Index;
ISBN 978 085242 920 4
Paperback £ 7.95;
Classification: Model Engineering/Lathes

Model engineers and amateur metalworkers need to learn the tricks and handwork which experienced engineers take for granted. This book details normal bench practice suitable for engineering apprentices which will save spoiled work and tools.

A considerable amount of engineering work takes place on the bench, using hand tools and techniques which are second nature to those who earn their living in an engineering environment; they probably learned at a technical college, as an apprentice, or possibly by the example of older and more experienced workmates.

The amateur or hobbyist engineer may not have enjoyed such advantages and, for example, may break a lot of hacksaw blades because he has not been shown how to use the saw or what sort of blades he should be using. This book sets out to cover all the normal bench processes in a simple but informative manner which should help all who have come to enjoy working with metals but whose education did not include a grounding in the basics of engineering benchwork.

Originally published in 1988 by Argus Books Ltd Nexus Special Interests edition published 1995



Contents: Materials; Reading Engineering Drawings; Hacksaws; Files and Filing; Hammers, Chisels and Punches; Scrapers and Scraping; Measuring; Marking Out; Drills and Reamers; Screwed Fastenings, Spanners, Screwdrivers and Pliers; Taps and Dies; Riveting; Soft Soldering; Silver Soldering, Brazing, Bronze Welding and Engineering Adhesives; Welding; Hardening and Tempering Tools; Keys, Keyways, Splines, Collars and Shafts; Sheet Metalwork.

Workshop Practice Series No. 19 SPRING DESIGN AND MANUFACTURE

Tubal Cain

SPRING DESIGN AND MANUFACTURE

Tubal Cain



WORKSHOP PRACTICE SERIES 19

Few mechanics are entirely devoid of springs of one sort or another, but satisfactory operation rests on details such as spring strength and degree of movement. This book explains the property of each type of spring, plus essential materials and methods.

Few mechanics are entirely devoid of springs of one sort or another, but satisfactory operation rests on details such as spring strength and degree of movement. Yet information on calculating and making springs is not easily available. This book explains the property of each type of spring, plus essential materials and methods.

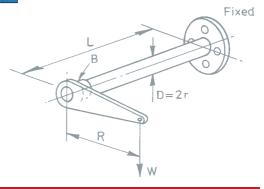
Engineers, professional or amateur, often find designing springs difficult due to the number of variables and the complexity of the formulae. The book also introduces the designer to charts and nomograms, which greatly simplify the process.

Tubal Cain draws on several decades of experience in the actual processes and covers the design and manufacture of compression and extension coil springs, simple and compound leaf springs, torsion springs and torsion bars, springs relying on bending actions and a useful graphical method of designing valve springs for IC engines.

Tubal Cain was the pen name of engineer and craftsman Tom Walshaw, the writer of many best-selling home workshop and model engineering guides.

Originally published in 1988 by Argus Books Ltd Special Interest Model Books edition published in 2007

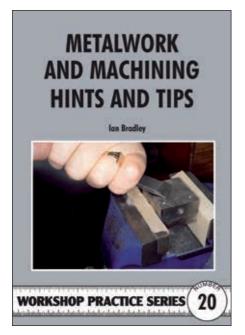
Specification:
210 x 148 mm;
96 pages;
10 black & white photographs
57 plans, scale drawings & graphs;
12 tables of data;
Index;
ISBN 978 085242 925 9
Paperback £ 7.95;
Classification: Model Engineering/Mechanics



Contents: Tension and Compression Spring Principles; Compression and Tension Spring Design; Worked Examples; Winding Coil Springs; Leaf Spring Principles; Leaf Spring Design; Making Leaf Springs; Torsion Springs; I.C. Engine Valve Springs.

Workshop Practice Series No. 20 METALWORK AND MACHINING HINTS AND TIPS

Ian Bradley



Specification:
210 x 148 mm;
96 pages;
30 black & white photographs
101 plans & scale drawings;
1 table of data;
Index;
ISBN 978 085242 947 1
Paperback £ 7.95;
Classification: Model Engineering/Metalworking

A workshop information anthology combining useful advice and instruction for beginners, with explanations of tools and techniques often familiar in name but not always found described in detail.

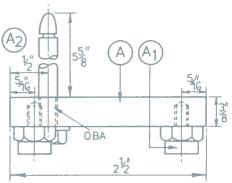
Over many years in a workshop, the knowledge and ability to perform a wide number of relatively minor jobs becomes second nature to a skilled engineer, but the amateur, no matter how great his natural talent, rarely has the opportunity to experience the same wide range of tasks.

This book, by the experienced engineer lan Bradley, contains useful advice and instruction for beginners on workshop practices including arbors and mandrels, belt jointing and splicing, shaft collars, finishing metal surfaces, G-clamps, surface gauges, cutting holes, special nuts, hand turning tools, the wobbler, casehardening, and machining square material.

This book was suggested to the author by his many readers and correspondents as a supplementary volume to his classic textbook *The Amateur's Workshop*.

lan Bradley, who died in 1995, had a lifetime's experience in precision engineering and contributed articles to Model Engineer magazine for over 50 years.

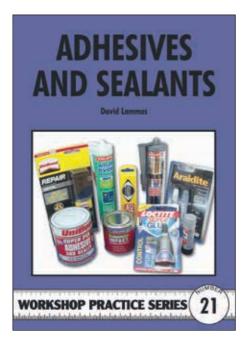
Originally published in 1988 by Argus Books Ltd Special Interest Model Books edition published 2006



Contents: Arbors and Mandrels; Belt Jointing and Splicing; Shaft Collars; Finishing Metal Surfaces; G-Clamps; Surface Gauges and Rule Holders; Cutting Holes in Sheet Metal and Plate; Making Special Nuts; Hand Turning Tools; The Wobbler; Case-Hardening; Machining Square Material; Cross-Drilling Jig; Fly Cutting; Screw Jacks.

Workshop Practice Series No. 21 ADHESIVES AND SEALANTS

David Lammas



Specification:
210 x 148 mm;
136 pages;
92 black & white photographs
63 plans & scale drawings;
Index;
ISBN 978 185486 048 4
Paperback £ 7.95;
Classification: Model Engineering/Metalworking

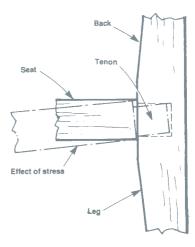
The author covers traditional adhesives, their advantages and shortcomings as well as synthetic products. He also discusses surface preparation, handling hazards, deterioration and sealants for joints exposed to water, steam and oil.

In recent years there has been a great increase in the variety, sophistication and effectiveness of adhesives, sealants and threadlocking types. This book is intended to provide practical help and guidance in deciding what adhesive out of the ever-expanding modern range should be used for particular tasks.

The book explains in simple terms the features of adhesive classification together with joint design data and assembly techniques for a wide variety of materials. Aimed mainly at the model engineer, but also at the home mechanic and woodworker, it covers pattern, base and case making from wood, applications in tool and equipment, as well as individual requirements including structural joints and sealing against water, steam or oil.

Illustrated throughout, Adhesives and Sealants will be of interest and of value to all workshop owners and model engineers.

Originally published in 1991 by Argus Books Ltd Special Interest Model Books edition published in 2012

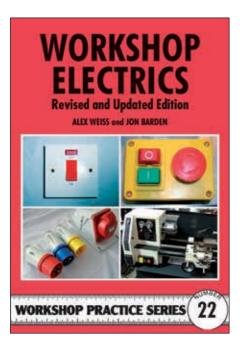


Contents: Traditional Glues; Adhesive Joints; Joint Design; Types of Adhesive; Materials to be Bonded; Joint Preparation; Identification of Materials;

Environmental Factors; Engineering Adhesives; Matching Adhesive to Material and Conditions; Sealants; Hints and Tips; Useful Addresses; Glossary.

Workshop Practice Series No. 22 WORKSHOP ELECTRICS Revised and Updated Edition

Alex Weiss and Jon Barden



Specification:
210 x 148 mm;
128 pages;
91 black & white photographs
14 circuit diagrams & plans;
Index;
ISBN 978 185486 264 8
Paperback £ 7.95;
Classification: Model Engineering/Electricity

This second edition of *Workshop Electrics* has been completely revised and updated to bring it in line with the latest advances in technology and changes in the regulations. The book deals with electricity in the garage or home workshop and includes everything from fitting a 13 amp plug, fusing, equipment, lighting, fixtures, fittings and wiring for 240 volts mains electricity to wiring up a new workshop building.

This second edition of Workshop Electrics has been completely revised and updated to bring it in line with the latest advances in technology and to fully conform with BS7671 (17th edition of wiring regulations). A quarter of the illustrations are also new.

The book deals with electricity in the workshop and includes everything from fitting a 13amp plug to wiring up a new workshop building. Safety, a key issue is covered as well as inspection and testing. Starting with the planning necessary before electrical installation commences, the book then deals with the fusing, equipment, lighting, fixtures, fittings and wiring for 230-volt mains electricity. Further chapters cover outside workshops, three-phase supplies and a range of low-voltage equipment. Finally there is a glossary, a list of useful addresses and an index.

Alex Weiss has a PhD in mechanical engineering and established his own home workshop more than forty years ago. He has wide experience of carrying out home electrical wiring.

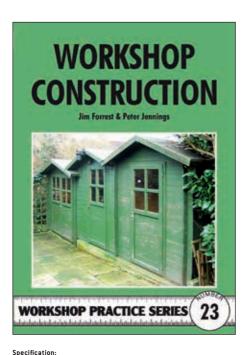
Jon Barden, a College Lecturer in Electrical Installations, has over 20 years experience in training staff in electrical and mechanical engineering. He has also been involved with the training and assessment of students on City and Guilds courses.

Originally published in 1994 by Argus Books Ltd 2nd Revised Edition published by Special Interest Model Books in 2011

Contents: Planning & Preparation; Safety in the Workshop; Single-Phase Supplies; Fuses and Miniature Circuit Breakers; Wiring and Mains Connection; Outside Workshops; Plugs and Sockets; Fixed Appliances; Lighting; Three-Phase Supplies; Low-Voltage Supplies; Glossary of Terms; Useful Addresses.

Workshop Practice Series No. 23 WORKSHOP CONSTRUCTION

Jim Forrest and Peter Jennings



3pecinication:
142 pages;
9 black & white photographs
52 scale plans & line drawings;
8 tables of data;
Index;
ISBN 978 185486 131 3
Paperback £ 7.95;
Classification: Model Engineering/Building

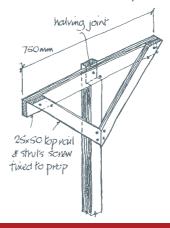
A complete work on the construction of a three metrewide workshop, this book contains the details for building the floor assembly, walls and roof and covers layout, planning regulations, tools, materials, cost savings, ideas, drainage, power supply lighting, heating, fitting out, security and insurance.

Some years ago the author, Jim Forrest, a professional engineer and model engineer of many years' experience, needed a purpose-built and relatively inexpensive workshop for his hobby. After discussing this need with Peter Jennings, a professional architect familiar with system build construction, a three-metre wide design was developed which proved to be very easy to build and easily the match for far more expensive types of building.

This book was written as a complete work on the construction methods used. It not only contains the details required to build the floor assembly, walls and roof, but also covers all of the peripheral areas including layout, planning regulations, tools, materials, fitting out, security and insurance. The design is easily adaptable and most variants are covered including several floor types, lean-to construction etc., and illustrative drawings are used extensively to show precisely how the building is detailed.

Originally published in 1995 by Nexus Special Interests Ltd

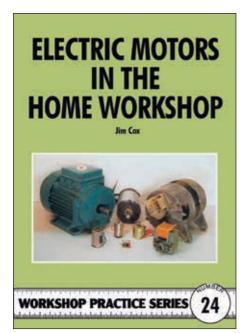
Special Interest Model Books edition published in 2011



Contents: Planning and Design; Statutory Regulations; Tools and Materials; Groundworks and Rainwater Drains; Base and Floor; Walls and Roof; Variants; Fitting Out; Security; Insurance Matters; Tables and Data.

Workshop Practice Series No. 24 ELECTRIC MOTORS IN THE HOME WORKSHOP

Jim Cox



Specification:
210 x 148 mm;
140 pages;
33 black & white photographs
58 circuit diagrams, plans & line drawings;
9 tables of data;
ISBN 978 185486 133 7
Paperback £7.95;
Classification: Model Engineering/Electrics

A practical guide to identifying discarded and surplus motors from both domestic and industrial sources and making good use of them in typical small workshop applications.

The author's earlier book *Electric Motors* (Workshop Practice Series No. 16) described the basic principles of operation and methods of application of the wide range of motor types likely to be encountered in small scale engineering.

This book provides additional information about popular workshop applications for motors. Detailed advice is given on how to identify and make good use of discarded and surplus motors from both domestic and industrial sources and also how to operate three phase motors from single phase supplies. Examples are given of actual workshop applications and conversions, and on battery supplies for the use of motors in mobile projects.

Keen model engineer Jim Cox was chief engineer of a well-known electronics company and spent most of his working life closely involved with both electronic and electro-mechanical equipment which used a wide range of electric motor types.

Appendices: Converting Three-Terminal Three-Phase Motors; Motor Power Rating; Demagnetisation and Remagnetisation; Motor Terminology; Component Suppliers.

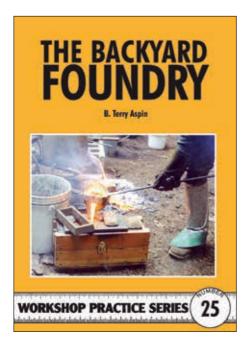
Originally published in 1996 by Nexus Special Interests Ltd

Special Interest Model Books edition published in 2002

Contents: Safety; Single-Phase Induction Motors; Three-Phase Induction Motors; Commutator Motors; Overhaul and Reconditioning; Speed Control; Mobile Power; Battery Power Supplies; Associated Components and Test Gear; Typical Workshop Applications.

Workshop Practice Series No. 25 THE BACKYARD FOUNDRY

B. Terry Aspin



Specification:
210 x 148 mm;
96 pages;
33 black & white photographs
58 circuit diagrams, plans & line drawings;
9 tables of data;
ISBN 978 185486 146 7
Paperback £7.95;
Classification: Model Engineering/Metalworking

This book covers basic principles of foundrywork
- materials and techniques, pattern-making, moulding
boxes, cores and core boxes, metals, electric, gas, coke
furnaces and step-by-step procedures. Although written
primarily for the model engineer, anyone wishing to
make mouldings or castings will profit from its pages.

At one time, most towns of any size had somewhere a small foundry that would undertake small casting jobs, often more out of interest and good neighbourliness than for commercial gain. Regrettably, those days are no more and the model engineer in many areas must either adapt commercially available castings or send away to a specialist foundry that will undertake small jobs, often at some expense and with some delay. The alternative is to make your own patterns and castings, which is in fact much easier than you may think.

The Backyard Foundry covers basic principles, materials and techniques, pattern making, moulding boxes, cores and core-boxes, electric, gas and coke furnaces, and includes step-by-step procedures with examples of locomotive cylinders and wheels. Sources of specialised materials and even the design of an outdoor furnace suitable for small-scale commercial work are given. Each stage and subject is covered in detail so that even the inexperienced can undertake casting with confidence. Although the book is written primarily for the model engineer, anyone wishing to make mouldings or castings will profit from its pages.

Originally published by Argus Books Ltd in 1978 Reissued in 1997 by Nexus Special Interests Ltd Special Interest Model Books edition published in 2002

Contents: Patterns; Plate Patterns; Cores, Core Boxes and Core Making; Casting Locomotive Cylinders;

Wheels; Metal, the Furnace and Melting; Solid Fuel Furnace; Suppliers of Foundry Materials.

Workshop Practice Series No. 26 HOME WORKSHOP HINTS AND TIPS

Edited by Vic Smeed



Edited by Vic Smeed



Specification: 210 x 148 mm; 124 pages;

WORKSHOP PRACTICE SERIES

12 tables of data; ISBN 978 185486 145 0 Paperback £ 7.95;

Classification: Model Engineering/Lathes

100 b+w scale plans & line drawings;

Contents: Lathes and Lathework; Benchwork; Machine Tools and Accessories; Electrical Queries; Miscellaneous.

A selection of useful hints and tips for metalworkers culled from a seventy years of Model Engineer magazine - as relevant today as when they were first printed. Includes many helpful nuggets of knowledge which have never been republished until now.

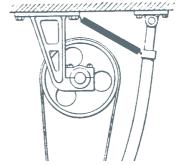
Since 1898, Model Engineer magazine (originally weekly, now fortnightly) has proved a remarkable source of knowledge for all manner of engineering practices. Its readership has always included many highly experienced engineers, some of considerable eminence, who have answered readers' questions and contributed valuable information in order that everyone the construction and use of machines should be able to extend his scope and skills. The answer to virtually any engineering problem can be found somewhere in its pages, it is said.

Many of the magazine's most helpful nuggets of knowledge have appeared in brief notes or articles, often many years ago, and have never been republished. This book offers a selection of fascinating hints and tips culled from the magazine's wide time-scale (from the 1890s to the 1960s) but as relevant today as when they were first printed. They may save the reader time and possibly money; certainly they will interest and instruct anyone who works with metal.

Vic Smeed was the editor of Model Maker magazine from 1959 to 1977, steering the publication through its development into the present-day Model Boats and acquiring along the way considerable experience of the queries likely to be raised by beginners. In a lifetime of model bulding and model engineering, he produced scores of original designs for models of all type and wrote sixteen books.

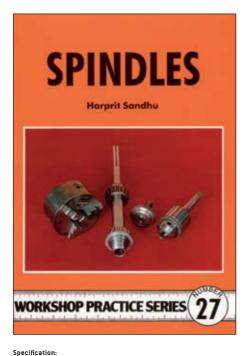
Originally published by Nexus Special Interests Ltd in 1997

Special Interest Model Books edition published in 2003



Workshop Practice Series No. 27 SPINDLES

Harprit Sandhu



Specification:
210 x 148 mm;
160 pages;
15 black and white photographs;
159 scale plans & line drawings;
10 tables of data;
ISBN 978 185486 149 8
Paperback £7.95;
Classification: Model Engineering/Lathes

Describes the design, construction and use of a variety of spindles that will be of interest to the amateur engineer. Milling, grinding and drilling spindles are covered along with a unique light gear cutting frame for clockmakers.

If you do not own a milling machine (and even if you do) what you can achieve in your workshop is greatly enhanced if you own a spindle or two for use with your lathe. Spindles come in many shapes and sizes, ranging from 19mm (0.75 in) to 57 mm (2.25 in) in diameter, depending on the uses envisaged for them. This book describes the design, construction and use of a variety of spindles that will be of interest to the amateur engineer. Milling, grinding and drilling spindles are covered along with a unique light gear-cutting frame for clockmakers.

The emphasis is on spindles that are easy to make and have as few parts as possible; all but one for example use sealed ball bearings (the exception uses tapered collar bearings and thus needs to have seals installed to protect the bearings.) The basic spindle described uses the same spindle nose as the Myford Super 7 lathe; this allows all chucks, plates, collets and closers designed for the lathe to be used with this spindle. It can also be modified for other lathe nose standards.

Harprit Singh Sandhu, BSME, MSCerE, is an American engineer and the founder of Rhino Robots Inc., where he was the chief designer of the 'Rhino' series of robots. In his spare time he is a journeyman designer, machinist & woodworker, whose interest in clock making led him to design & build the spindles described in the book.

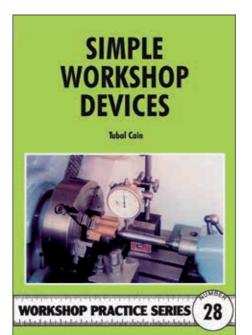
Originally published by Nexus Special Interests Ltd in 1997

Special Interest Model Books edition published in 2004

Contents: Designing a Spindle; The Basic Spindle; Mounting a Spindle; A Smaller No.2 Morse Taper Spindle; Micro Spindle; 1 inch (25mm) Diameter Spindle; 1.25 inch (32mm) Diameter Spindle; Light, Tool-Post 0D Grinding Spindle; Simple, No.1 Morse Taper Spindle; Vertical Spindle or Gear Cutting Frame; Spindle With Tapered Roller Bearings; Driving the Spindles; Notes on Using Spindles; Ancillary Information; SI Drawings; UK Equivalent Tables.

Workshop Practice Series No. 28 SIMPLE WORKSHOP DEVICES

Tubal Cain



Specification:
210 x 148 mm;
144 pages;
69 black and white photographs;
74 b+w scale plans & line drawings;
7 tables of data;
ISBN 978 185486 150 4
Paperback £7.95;
Classification: Model Engineering/Lathes

Contents: Five Clamp and Vice Projects; Ten Jigs and Fixtures; Twenty-five Projects Round and About the Lathe; Thirteen Miscellaneous Projects

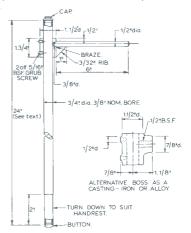
Tubal Cain, who has enjoyed more than sixty years experience in designing and building engines and machines (in both full size and model scale) shares his experiences of making 52 ancillary lathe devices.

However well equipped the workshop may be there seems to be an incessant need to make up special gadgets of one sort or another. These may range from mutilating a clothes peg to act as a 'third hand' up to major modifications to an existing machine tool. The making of such devices can be fun (indeed, some may appear to do nothing else!) but nevertheless the time taken up in 'devising the device' can often delay the completion of an important project. Shared experience is a most potent tool in reducing such delays, and can, moreover, often provide solutions to problems hitherto believed to be intractable.

Tubal Cain has enjoyed more than sixty years' experience in designing and building engines and machines (in both full size and model dimensions) and over this time has made many ancillary devices. In this book he shares 52 of them with you. A number of these had been published in magazines from time to time and some were assembled in volume form about thirty years ago. The opportunity was later taken not only to reprint that book but to revise some of the entries to take advantage of user experience, to add new material and to introduce it into the popular Workshop Practice Series.

Originally published by Argus Books Ltd in 1983 Second Revised Edition published by Nexus Special Interests in 1998

Special Interest Model Books edition published in 2005



Workshop Practice Series No. 29 CAD FOR MODEL ENGINEERS

D.A.G. Brown

CAD
FOR MODEL ENGINEERS
D.A.G. Brown

WORKSHOP PRACTICE SERIES 29

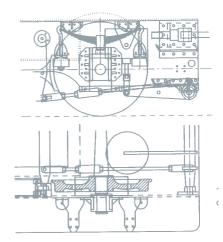
Specification: 210 x 148 mm; 96 pages; 48 scale plans & line drawings; ISBN 978 185486 189 4 Paperback £7.95; Classification: Model Engineering/Design Derek Brown shows how by taking one step at a time the computer can soon be turned into a versatile drawing tool with many advantages over traditional drawing methods. In this book he seeks to strip away the mystique surrounding CAD by avoiding jargon and provides advice on how to choose and progress with the right system.

Computers are a closed book to many of the older generations of model engineers, despite the fact that more than one-third of all British households now have a personal computer. By taking one step at a time, the computer can soon be tamed and turned into a versatile drawing tool with many advantages over traditional draughting methods.

Derek Brown's demonstrations and lectures on the subject at various model engineering exhibitions over the past few years have proved very popular. In this book he seeks to strip away the mystique surrounding the subject by avoiding jargon and providing practical advice on how to choose the right system and to make progress with it.

Originally published by Nexus Special Interests Ltd in 1999

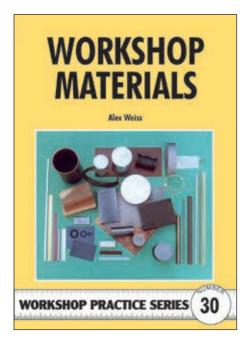
Special Interest Model Books edition published in 2010



Contents: Philosophy of Computer-Aided Design; Computer Power Required; Starting the Drawing Process; Figures and Shapes; Trimming and Extending; Editing Drawings; Editing and Copying; Hatching and Filing; Scaling; Components; Drawing Text; Presentation of Drawings; Dimensioning; Ideas for Speedy Operation; Projection and Development; Plotters and Printers; File Management.

Workshop Practice Series No. 30 WORKSHOP MATERIALS

Alex Weiss



Specification:
210 x 148 mm;
160 pages;
91 black and white photographs;
13 scale plans & line drawings;
82 tables of data;
Index;
ISBN 978 185486 192 4
Paperback £7.95;
Classification: Model Engineering/Metalworking

This book describes the many and varied materials used by model engineers in their workshops such as ferrous and non-ferrous metals, hard and soft woods, plastics, abrasives, adhesives, bearing materials, ceramic and refractory materials, castings, electroplating solutions, fuels, gases, lubricants, pickles, polishing materials, sealants and solders.

This book describes the many varied materials used by model engineers in their workshops such as iron and steel, non-ferrous metals including aluminium, brass and copper, hard and soft woods and a number of engineering and other plastics. It also contains details about abrasives, adhesives, bearing materials, ceramics and refractory materials, coatings, electroplating solutions, fuels, gases, lubricants, pickles, polishing materials, sealants and solders. It provides an easy reference for those seeking the right material for the task or an item specified on plan.

Packed full of useful information, the book is aimed at those who build model locomotives, traction, boat and stationary steam engines, oil, diesel, glow and petrol engines, gas turbines, artillery pieces, farming appliances, carriages and other road vehicles as well as those who make clocks and workshop tools. It is also directed at those working with full-size machinery, such as vintage cars, motor and pedal cycles, traction engines and railway locomotives.

Appendices: Safety; Glossary of Terms and Abbreviations; Metric/Imperial Conversion Tables; Useful Addresses; Bibliography

Alex Weiss has a PhD in mechanical engineering and established his own home workshop more than forty years ago.

Originally published by Nexus Special Interests Ltd in 1999

Special Interest Model Books edition published in 2005

Contents: Iron and Steel; Aluminium; Copper; Other Non-Ferrous Metals; Selecting Materials; Plastics; Wood; Refractory and Abrasive Materials; Jointing Materials; Cleaning, Etching, Pickling and Plating Fluids; Coatings, Fuels, Lubricants; Other Workshop Materials.

Workshop Practice Series No. 31 USEFUL WORKSHOP TOOLS

Stan Bray

USEFUL WORKSHOP TOOLS
Stan Bray

WORKSHOP PRACTICE SERIES 31

210 x 148 mm; 110 pages; 41 black and white photographs; 115 scale plans & line drawings; ISBN 978 185486 194 8 Paperback £ 7.95; Classification: Model Engineering/Lathes

Specification:

A collection of fifteen invaluable additions to model engineer's armoury of tools and equipment from the former editor of *Model Engineer's Workshop* magazine. This practical collection covers benchwork, the lathe and milling operations.

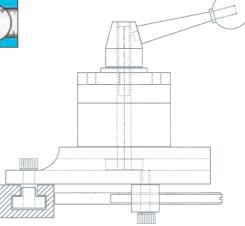
In this follow-up to Making Small Workshop Tools [Workshop Practice Series No.14], the former editor of Model Engineer's Workshop magazine presents another collection of fifteen invaluable additions to the model engineer's armoury of tools and equipment. This practical collection covers benchwork, the lathe and milling operations and includes marking-out and machining aids plus a simple filing machine and an unusual milling vice.

Fully dimensioned drawings, descriptive text and photographs accompany each project in the book.

Stan Bray has written a number of books on model engineering and was editor of Model Engineers' Workshop and assistant editor of Model Engineer magazines.

Originally published by Nexus Special Interests Ltd in 2000

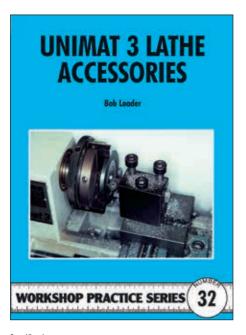
Special Interest Model Books edition published in 2012



Contents: Micrometer Stand; Finger Plates; Depth Gauges; Finger Clamps; Cross Drilling Jigs; Filing Machine; Setting Up Aid; Hand Turning Rest; Small Slotting Tool; External Chuck Stop; Internal Chuck Stop; Rear Mounted Tool Posts; Tailstock Mounted Knurling Tool; Self-Releasing Mandrel Handle; Improved Milling Vice.

Workshop Practice Series No. 32 UNIMAT 3 LATHE ACCESSORIES

Bob Loader

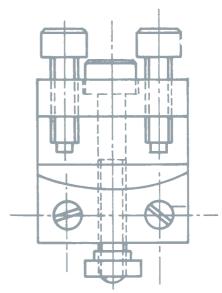


Specification: 210 x 148 mm; 190 pages; 148 black and white photographs; 84 scale plans & line drawings; ISBN 978 185486 213 6 Paperback £7.95; Classification: Model Engineering/Lathes A Unimat mini-lathe authority has developed numerous accessories and techniques to assist the model engineer in getting the best from the machine. These projects increase the scope of the machine and advise on the performance of a number of tricky operations.

Bob Loader has become an authority on the popular Unimat mini-lathe, developing numerous accessories and techniques to assist the model engineer in getting the best from the machine. The projects described here increase the scope of the machine and advise on the performance of a number of tricky operations. Invaluable to all Unimat owners.

Originally published by Nexus Special Interests Ltd in 2000

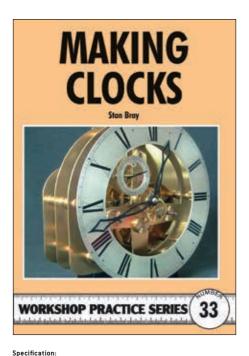
Special Interest Model Books edition published in 2009



Contents: A Milling Table; Cheap and Cheerful Tap Wrenches; 90mm Face Plate; Adjustable Toolpost; Inexpensive Tungsten Carbide Tooling; Attachments for Dial Gauges; Tailstock Supports and Accessories; Punches; Off-Hand Grinding Attachment; Simple Indexing Set-Up; Small Fabricated Machine Vice; Fine Adjuster for a Digital Caliper; Calivider; Headstock Raising Block.

Workshop Practice Series No. 33 MAKING CLOCKS

Stan Bray



210 x 148 mm;
128 pages;
42 black and white photographs;
40 scale plans & line drawings;
3 tables of data;
ISBN 978 185486 214 3
Paperback £ 7.95;
Classification: Model Engineering/Horology

An introduction to the fascinating world of horology for the complete beginner. This book explains the terminology of the clockmaker and provides general details of clock construction including layout of wheels and escarpments, all of which are fully described and illustrated.

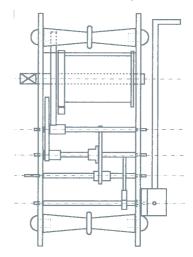
Stan Bray introduces the fascinating world of horology to the complete beginner. This book explains the terminology of the clockmaker and provides general details of clock construction including layout of wheels and escarpments, a number of the latter being described.

Making of wheels, pinions, escarpments, plates, pendulums, weights, cases, hands and faces is described. The necessary tools and equipment are described with details of how to make specialized items and choice of most suitable materials for their construction.

Stan Bray has written a number of books on model engineering and was editor of Model Engineers' Workshop and assistant editor of Model Engineer magazines.

Originally published by Nexus Special Interests Ltd in 2001

Special Interest Model Books edition published in 2003

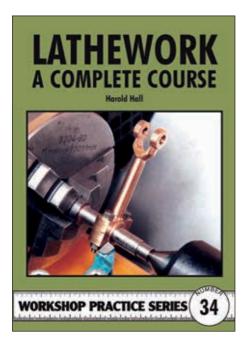


Contents: Tools and Terminology; History of Clockmaking; Providing the Power; Pendulums; Escapements; Going Train and Motion Work; Dividing;

Wheels and Pinions; Finishing; Faces, Hands and Cases; Formulae & Tables.

Workshop Practice Series No. 34 LATHEWORK - A COMPLETE COURSE

Harold Hall



Specification: 210 x 148 mm; 165 pages; 115 black and white photographs; 89 scale plans & line drawings; ISBN 978 185486 230 3 Paperback £ 7.95; Classification: Model Engineering/Lathes Not available in North America This book assumes no previous experience and using the medium of twelve lathe turning projects will lead prospective model engineers through all of the basic techniques needed to tackle ambitious projects. All of the projects are extensively illustrated and full working drawings accompany the text.

If fear of the unknown is all that is preventing you from embarking on the satisfying hobby of model engineering, then this is the book that will banish your concerns. Author Harold Hall has established his reputation as a mentor to tyro model engineers through the pages of Model Engineer magazine and Model Engineers' Workshop, of which he was the editor for a number of years.

This book assumes no previous experience and using the medium of twelve lathe turning projects will lead prospective model engineers through all of the basic techniques needed to tackle ambitious projects. All of the projects are extensively illustrated and full working drawings accompany the text. Once followed through, the reader will have amassed a wealth of practical skills and a range of useful workshop tools and equipment.

Contents: Getting Started; Mini Surface Gauge; Precision Square; Between-Centres Test Bar; Hole Gauges; Distance Gauges; Tailstock Die Holders; Precision Tapers; Screw Jack; Screw Cutting; Getting to Grips with the Face Plate; Mill Drill Spindle; Milling Cutter Chuck.

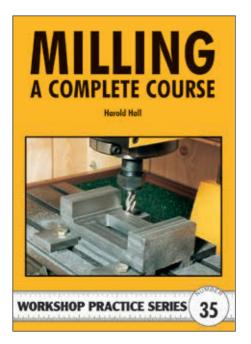
Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then. His crafting hobbies extend beyond model engineering to cabinet making, modelling, marquetry and pencil sketching.

Published by Special Interest Model Books in 2003

Contents: Getting Started; Mini Surface Gauge; Precision Square; Between-Centres Test Bar; Hole Gauges; Distance Gauges; Tailstock Die Holders; Precision Tapers; Screw Jack; Screw Cutting; Getting to Grips with the Face Plate; Mill Drill Spindle; Milling Cutter Chuck.

Workshop Practice Series No. 35 MILLING - A COMPLETE COURSE

Harold Hall



Specification:
210 x 148 mm;
144 pages;
117 black and white photographs;
111 scale plans & line drawings;
ISBN 978 185486 232 7
Paperback £ 7.95;
Classification: Model Engineering/Lathes
Not available in North America

A comprehensive introduction to the milling machine, assuming no previous experience, by one of Model Engineers' Workshop magazine's leading authorities. Eight projects lead prospective model engineers through all of the techniques involved; each project is extensively illustrated with step-by-step photographs and workshop drawings.

Through the pages of Model Engineers' Workshop magazine, author Harold Hall, has established a reputation for introducing the tyro model engineer to a wide range of machine tool operations. In this book he introduces the milling machine.

This book assumes no previous experience of using the milling machine and through the medium of four minor and four major projects will lead prospective users of the milling machine through all of the techniques involved. Whilst the detailed descriptions in the book are aimed primarily at those wishing to extend their knowledge of milling, the projects will be of use to the experienced operator wishing to add to their workshop equipment.

All of the projects are extensively illustrated and include full workshop drawings. Once followed through, the reader will have amassed a wealth of practical skills and added a number of useful items to his range of workshop equipment.

Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then. His crafting hobbies extend beyond model engineering to cabinet making, modelling, marquetry and pencil sketching.

Published by Special Interest Model Books in 2004

Contents: Getting Started; Tee Nuts; Angle Plate; Clamps; Parallels; Boring Head; Dividing Head; Grinding Rest; Main Accessories; End Mill Sharpening

Fixture; Using the End Mill Sharpening Fixture; Tool and Cutter Grinding Head.

Workshop Practice Series No. 36 PHOTO ETCHING

Brian King and Azien Watkin

PHOTO ETCHING

Brian King and Arien Warkin

WORKSHOP PRACTICE SERIES 36

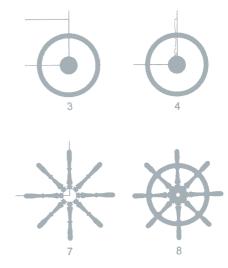
Specification:
210 x 148 mm;
112 pages;
78 black and white photographs;
77 scale plans & line drawings;
ISBN 978 185486 237 2
Paperback £ 7.95;
Classification: Model Engineering/Modelling

Photo etching in the form of electronic equipment printed circuit boards will be familiar to all modellers. This book covers the less familiar application by model engineers of those same techniques to the design of high-quality graphics and precision production of metal parts for all aspects of model making.

Photo etching in the form of electronic equipment printed circuit boards will be familiar to all modellers. Less familiar is the application by model engineers of those same techniques to precision production of metal parts for all aspects of model making ranging from finely detailed grill work and artillery details to locomotive and traction engine emblems and nameplates.

Authors Brian King and Azien Watkin have developed photo etching techniques to a high degree of sophistication to enable Brian to build his Gold Medal winning marine models. The design of items and the production of the high-quality graphics necessary are fully covered, as are both home and industry routes to producing the finished items in a variety of metals.

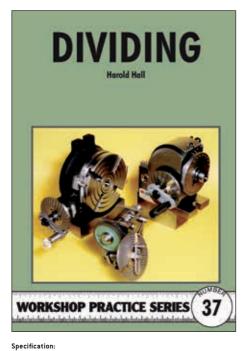
Published by Special Interest Model Books in 2005



Contents: Introduction; Advantages, Disadvantages and Limitations of Photo Etching; Preparation of Artwork Using the Drawing Board; Producing Artwork Using CAD; Component Design; The Mathematics; Sheet layout; Etching at Home; Industrial Etching; Handling and Assembling Etched Parts.

Workshop Practice Series No. 37 DIVIDING

Harold Hall



210 x 148 mm; 104 pages; 63 black and white photographs; 80 scale plans & line drawings; 17 tables of data; ISBN 978 185486 238 9 Paperback £ 7.95: Classification: Model Engineering/Lathes

The principles underlying radial work on a metalworking lathe are explained in depth in this book. It covers the methods that can be adopted: from simple applications without specialised equipment to the use of a semiuniversal dividing head and a rotary table.

Faced with the prospect of machining a gear or gears for a project, many model engineers will be discouraged and will turn elsewhere for their next model. This need not be so, for the principles underlying gear cutting and many other aspects of engineering where an accurate division of circles is required are explained in depth in this book.

Radial work on a metalworking lathe, such as the cutting of gearwheels or the drilling of holes on a set radius, calls for a method of precisely spacing the cuts. This skill is known as Dividing. The principles underlying this aspect of engineering are explained in depth in this book. It covers the subject of Dividing, dealing with the many methods that can be adopted: from simple applications without specialised equipment to the use of a semiuniversal dividing head and a rotary table.

The mathematical aspects of dividing are also covered but at a level that will be understood easily by a model engineer. Dividing equipment is relatively expensive, so two fully-detailed designs are included for dividing heads: a basic unit and the equivalent of a commercial semi-universal head.

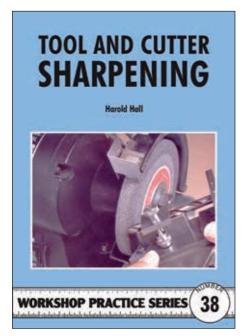
Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

Published by Special Interest Model Books in 2005

Contents: An Introduction to Dividing; The Machinery; The Methods; The Mathematics; Holes on a Pitch Circle Diameter; Shop-Made Simple Dividing Devices; Shop-Made Basic Dividing Head; Shop-Made Full Function Dividing Head; Shop-Made Lining Tool; Prime Numbers: Tables.

Workshop Practice Series No. 38 TOOL AND CUTTER SHARPENING

Harold Hall



Specification:
210 x 148 mm;
133 pages;
104 black and white photographs;
117 scale plans & line drawings;
ISBN 978 185486 241 9
Paperback £ 7.95;
Classification: Model Engineering/Lathes

Sharpening workshop tools is one task that is least understood by the majority of workshop owners. This book illustrates how most sharpening tasks can be carried out using an off hand grinder and a few simply made accessories to a standard comparable to that achieved using much more sophisticated equipment.

Sharpening workshop tools is probably the most diverse of all workshop activities and the one that is least understood by the majority of workshop owners. This is not unreasonable in view of the wide range of equipment suggested for the task, ranging from the complex, typically an industrial tool and cutter grinder, through to the humble off hand grinder.

This book illustrates how most sharpening tasks can be carried out using an off hand grinder and a few simply made accessories, whilst doing this to a standard comparable to that achieved using much more sophisticated equipment. A lack of understanding of the processes almost certainly results in the workshop owner attempting tasks with far from perfect cutting tools that can diminish the satisfaction of a job well done. With the information in this book this situation can be avoided and working with blunt tooling should be a thing of the past.

Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

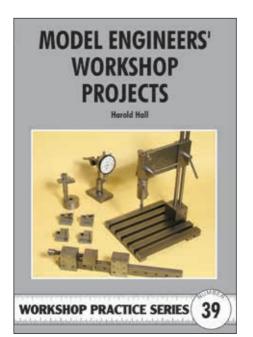
Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then. His crafting hobbies extend beyond model engineering to cabinet making, modelling, marquetry and pencil sketching.

Published by Special Interest Model Books in 2006

Contents: Sharpening - An Introduction; Drill Sharpening; Grinding Rests; Sharpening Lathe Tools; Sharpening End Mills; Other Milling Cutters; Small Workshop Tools; Woodworking Tools; Making a Grinding Rest; Making the End Mill Sharpening Accessory; Making Simple Accessories for the Grinding Rest; Making Drill Sharpening Accessories; Tool and Cutter Grinding Head.

Workshop Practice Series No. 39 MODEL ENGINEERS' WORKSHOP PROJECTS

Harold Hall



Specification: 210 x 148 mm; 103 pages; 59 black and white photographs; 143 scale plans & line drawings; ISBN 978 185486 248 8 Paperback £7.95; Classification: Model Engineering/Lathes A project book including 18 designs for workshop equipment based on the author's popular articles published in Model Engineer's Workshop magazine. The projects are in themselves satisfying exercises in metalworking that once completed will make valuable additions to the model engineer's range of equipment.

This collection of eighteen unique projects for home workshop equipment enables the model engineer to create useful and even essential items that cannot be purchased commercially, including an auxiliary workbench, tap holders, distance and height gauges, a lathe back stop, a tailstock die-holder, faceplate clamps, collets, DTI accessories, sash clamps, low profile clamps and a tapping stand.

Each project is designed to make the model engineer's task in hand easier than it would have been, had the items not been made. Each design is illustrated with good quality photographs and comprehensive working drawings.

Author Harold Hall is a former editor of the enthusiasts' magazine Model Engineers' Workshop, within whose pages all of these projects were originally featured.

Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then. His crafting hobbies extend beyond model engineering to cabinet making, modelling, marquetry and pencil sketching.

Published by Special Interest Model Books in 2007

Contents: Auxiliary Bench; Tapping Guides; Guided Tap Holder; Large Tap Wrench; Distance Gauges; Lathe Tool Height Gauge; Lathe Back Stop; Tailstock Die Holders; Face Plate and Angel Plate Clamps; Lathe Collets; Thin Piece Collets; Dial Test Indicator Accessories; Faceplate Balancing Fixture; Low Profile Clamps; Engineer's Sash Clamps; Tapping Stand.

Workshop Practice Series No. 40 **BEARINGS**

Alex Weiss

BEARINGS
Alex Weiss

WORKSHOP PRACTICE SERIES 40

Specification: 210 x 148 mm; 128 pages; 95 black and white photographs; 98 scale plans & line drawings; Index; ISBN 978 185486 250 1 Paperback £ 7.95; Classification: Model Engineering/Mechanics This practical book describes the wide range of bearings found in different types of models built in home workshops. It reviews the choice of bearings, materials, the type of bearing to use for each particular application and highlights the differences between home made and off-the-shelf bearings.

Every working model includes bearings, often a large number of them. This practical book describes the wide and diverse range of bearings found in the large variety of different types of models built in home workshops. It reviews the choice of bearings materials, the type of bearing to use for each particular application and highlights the differences between home-made and off-the-shelf bearings. It also considers the installation and care of bearings. Furthermore, it covers several full-size applications undertaken by model engineers, such as clock making and machine tool maintenance, which also call for some knowledge of bearings.

It is now over forty years since Ian Bradley and Norman Hallows published the slim MAP volume Bearing Design and Fitting and much has changed in the bearing field since that date. This book provides a welcome addition to the Workshop Practice Series of books and will be welcomed by all model engineers, whatever their area of interest

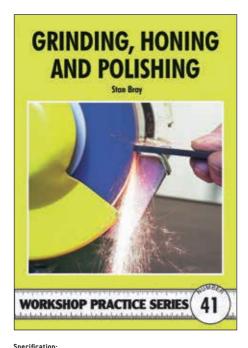
Alex Weiss has a PhD in mechanical engineering from University College London and has been a practicing model engineer for the last twenty years. He has already produced two earlier volumes in the series, No 22 Workshop Electrics and No 30 Workshop Materials as well as Plastics for Modellers, which includes details of the plastics of use to model engineers. He has also had several articles published in Model Engineer. Published by Special Interest Model Books in 2008

Contents: Introduction - What is a Bearing?; Plain Bearings; Ball and Roller Bearings; Linear and Oscillating Bearings; Other Tupes of Bearings;

Lubrication and Seals; Which Type of Bearing To Use; Modelling Applications; Full-Size Applications; Conclusions: Contacts.

Workshop Practice Series No. 41 **GRINDING, HONING AND POLISHING**

Stan Bray



210 x 148 mm; 99 pages; 73 black and white photographs; 12 scale plans & line drawings; Index-ISBN 978 185486 252 5 Paperback £ 7.95;

Classification: Model Engineering/Metalworking

Contents: Grinding and Polishing Materials; Grinding

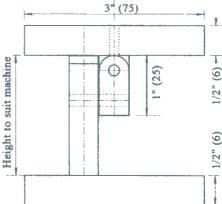
Wheels; Surface Coated Adhesives; Belt and Disk Sanders; Off-Hand Grinder; Portable Grinding Tools; A complete introduction to the process of the grinding and polishing of metals that gives specific details of the equipment and devices needed and the materials used to make grinding wheels, belts and papers.

This latest volume in the Workshop Practice Series presents a general overview of the grinding, lapping, honing and polishing of metal, as well as the materials used to make grinding wheels, belts and papers.

The uses of various machines and grinding mediums are described, including the off-hand grinder, modern miniature hand drill/grinders and toolpost grinders. There are also instructions for making a small barrelling machine and other suitable devices.

Stan Bray has written a number of books on model engineering and was editor of Model Engineers' Workshop and assistant editor of Model Engineer magazines.

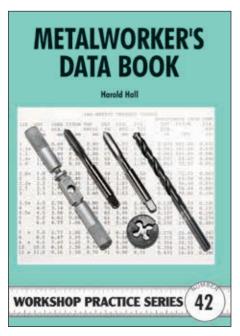
Published by Special Interest Model Books in 2009



Surface Grinding Machines; Cylindrical and Tool Post Grinding; Honing and Lapping; Polishing; Barrelling; Safety when Grinding.

Workshop Practice Series No. 42 METALWORKER'S DATA BOOK

Harold Hall



Specification:
210 x 148 mm;
218 pages;
97 scale plans & line drawings;
144 tables of data;
ISBN 978 185486 253 2
Paperback £7.95;
Classification: Model Engineering/Workshop

Contains a comprehensive range of mathematical data which is required in the metalworking workshop and by those designing a wide range of engineered items, tools and machines. This book provides in a single concise volume that is otherwise only available by reference to many different sources.

This book contains a comprehensive range of data, which is required in the metalworking workshop and by those designing a wide range of engineered items, tools and machines. It provides, in a single concise volume, data that is only otherwise available by reference to many different sources or more expensive publications. For those involved in restoration work, the book also includes details of items not now used, and for which data is not easy to locate.

Harold Hall was, for a number of years, the editor of Model Engineers' Workshop magazine and is the author of four previous books in this indispensable series.

Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then. His crafting hobbies extend beyond model engineering to cabinet making, modelling, marquetry and pencil sketching.

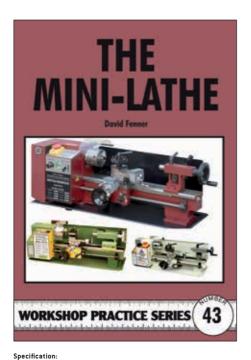
Published by Special Interest Model Books in 2009

Contents: Introduction; Drills; Turning Tools; End Mills and Slot Drills; Grinding Wheels; Collets and Tapers; Precision Tooling; Spanners; Thread Data; Tapping Drill Sizes; Screw Thread Forms; Screw Cutting on the Lathe; Worm Cutting; Gears; Belt Drives; Dividing; Presswork; Welding Symbols; Mathematical Formulae; T-Slots and Dovetails;

Electric/Electronic Components; Electrical Formulae; Hardware Dimensions; Material Dimensions; Material Specification; Miscellaneous Data; Mathematical Tables; Prime Numbers; Conversion Tables and Factors; Further Information; Glossary of Engineering Terms; Abbreviations.

Workshop Practice Series No. 43 THE MINI-LATHE

David Fenner



210 x 148 mm; 129 pages; 224 black and white photographs; 53 scale plans & line drawings; ISBN 978 185486 254 9 Paperback £ 7.95; Classification: Model Engineering/Lathes Not available in North America This book is a complete course on using and improving the new generation of best-selling budget mini-lathes. It explains everything from setting up and "tuning" the machine for best performance to using accessories and carrying out tasks.

The Mini-lathe has become the best-selling item of machinery in the hobby engineering market - often purchased as a first step by beginners to the hobby. For many years Myford lathes were considered as "standard issue" for model engineers, but at about one-twentieth of the price of a new Myford, these new Mini-lathes set the benchmark for the future.

This book is a complete course on using and improving this new generation of budget lathes. It explains everything from setting up and "tuning" the machine for best performance to using accessories and carrying out tasks.

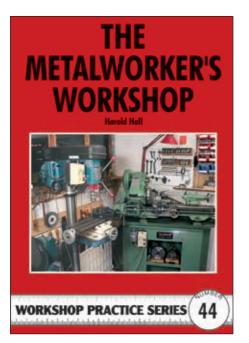
David Fenner based this practical book on his many hours "road testing" mini-lathes in his own home workshop. After a career of over forty years spent mainly in manufacturing engineering, he occupied the editorial chair at Model Engineer's Workshop magazine for about five years, relinquishing the role in 2007 to a life in Scotland where he devoted his time to hobby activities and to writing about home workshop topics. His first serious involvement in model making was with control line model aircraft in the late 1950s and early 1960s, taking up model engineering in the late 1970s. His other interests include classic cars and motorcycles.

Published by Special Interest Model Books in 2009

Contents: Safety; Preparing the Lathe; Tooling, Materials and Geometry; Getting Started; Tooling Up; Gear Cover and Headstock Dividing Attachment; Modifications for Milling; Improving Rigidity and Making a Part Off Tool; Guided Centre Punch; Filing Rest; Use of Steadies; Chuck Depth Stock; Toolpost Powered Spindle; Saw Table; Grinding Rest; DRO Handwheels; Radious Turning Attachment; Fitting Taper Roller Bearings.

Workshop Practice Series No. 44 THE METALWORKER'S WORKSHOP

Harold Hall



Specification:
210 x 148 mm;
160 pages;
184 black and white photographs;
16 scale plans & line drawings;
ISBN 978 185486 256 3
Paperback £ 7.95;
Classification: Model Engineering/Workshops
Not available in North America

When Harold Hall was Editor of Model Engineer's Workshop magazine, he was surprised by how just so many of his readers had no access to a workshop at home, or even at college. His new book is a complete guide to building or converting and equipping a workshop space.

When Harold Hall was Editor of Model Engineer's Workshop magazine, he was surprised by how just so many of his readers had no access to a workshop at home, or even at college. This book presents a complete guide to building or converting a workshop space and then equipping it to serve a wide range of metalworking activities including model engineering, model making, car restoration and clockmaking.

It explains all the essential requirements of the workshop environment: planning, heating and lighting, condensation plus health and safety factors. It then explains in detail the choice of various tools and equipment for differing tasks so the new workshop owner can avoid making unwise purchases.

The book is based on a very popular series of articles which originally appeared in the pages of Model Engineers' Workshop magazine, and which have been revised for publication in this edition.

Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide. He is the author of seven books in the indispensable Workshop Practice Series and lives in the Hertfordshire countryside.

Harold Hall commenced an industrial apprenticeship in 1950 at the age of sixteen and worked as an electrical control systems engineer for thirty-five years before becoming editor of Model Engineer's Workshop magazine in 1991. Following retirement in 1995, he has continued to contribute metalworking articles to almost every issue of the magazine published since then.

Published by Special Interest Model Books in 2010

Contents: Purpose and Possibilities of the Workshop; The Workshop; Fittings; Planning; Hand Tools; Precision Tools; Shop-Made Tools; Electrics and Electronics; Machine Installation; Safety Equipment; The Lathe; Lathe Accessories; Drilling Machine and Accessories; Milling Machine; Milling Machine Accessories; Grinders; Motorised Saws; Presses; Sheet Metal Machines; Welders and Shapers; Final Comments

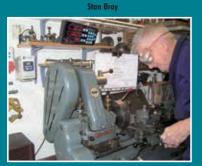
Workshop Practice Series No. 45 BASIC LATHEWORK

Revised Full Colour Edition

Stan Bray



KEA12ED EDITIO



WORKSHOP PRACTICE SERIES 45

Specification:
210 x 148 mm;
182 pages;
189 colour photographs;
31 b&w line drawings;
2 tables of data;
ISBN 978 185486 261 7
Paperback £7.95;
Classification: Model Engineering/Lathes

Not available in North America

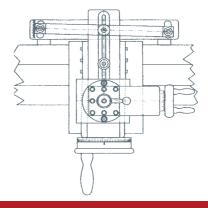
This second edition of Stan Bray's model engineering textbook features updated text and full colour illustrations. This book deals with all aspects of the lathe covering the selection of a machine and its construction, including modern types of machine as well the more traditional models. All aspects of tooling, both traditional and modern are covered in depth, as are all machining operations.

This book deals with all aspects of the lathe covering the selection of a machine and its construction, including modern types of machine as well the more traditional models. All aspects of tooling, both traditional and modern are covered in depth, as are all machining operations including general machining, taper turning, threading and boring.

The author pays particular attention to modern applications such as the conversion of power supplies from single to three-phase and the use of digital equipment to improve efficiency. It is suitable for use by the beginner with no knowledge at all of lathe work and to those who are more advanced and wish to improve their skills.

Stan Bray has written four previous books in this series and was formerly editor of Model Engineer's Workshop magazine.

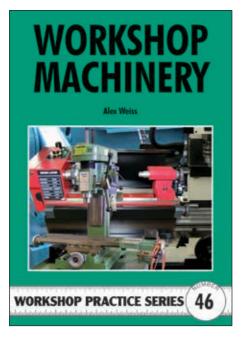
Revised Edition 2014 Published by Special Interest Model Books in 2010



Contents: Safety; The Lathe Explained; Choosing a Machine; Power Supplies; Cutting Tools; Work Holding - Chucks; Other Work Holding Methods; The Faceplate; Tool Holding; Centres; General Machine Operations; Parting Off; Hole Boring; Threading; Taper Turning; Measurement and Control Systems; Miscellaneous Operations.

Workshop Practice Series No. 46 WORKSHOP MACHINERY

Alex Weiss



Making a major purchase of a lathe, a milling machine or combination lathe/mill is a daunting prospect for any model engineer. This book provides practical advice on how to make the selection and provides descriptions and technical data about the wide range of machines and accessories available.

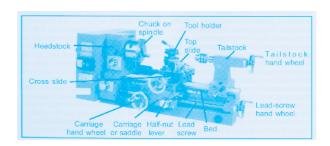
Making a major purchase of a lathe, a milling machine or combination lathe/mill, whether manually operated or using computer numerical control (CNC), is a daunting prospect for any model engineer.

This book provides practical advice on how to make the selection bearing in mind the particular needs of the individual. It provides descriptions and technical data about the wide range of machines and accessories available from UK, European, American and Far East manufacturers. It also looks at the many different types of tooling fixtures and accessories that may be required. This book will be welcomed by all model engineers who are setting up a home workshop or planning a major equipment acquisition.

Alex Weiss has a PhD in mechanical engineering from University College London and has been a practicing model engineer for the last twenty years. He has already produced three earlier volumes in the Workshop Practice Series is also a contributor to Model Engineer magazine.

Published by Special Interest Model Books in 2010

Specification:
210 x 148 mm;
128 pages;
191 black and white photographs;
24 tables of data;
Index;
ISBN 978 185486 260 0
Paperback £ 7.95;
Classification: Model Engineering/Workshops



Contents: Introduction; Lathes; Combined Lathes and Milling Machines; Milling Machines; CNC Machines; Lathe and Mill Tooling/Fixtures; Conclusions; Useful Contacts.

Workshop Practice Series No. 47 THREE-PHASE CONVERSION

Graham R. Astbury, BSc. (Hons), C.Eng. M.I.Chem.E

THREE-PHASE CONVERSION

Groham Astbury

WORKSHOP PRACTICE SERIES 47

210 x 148 mm; 152 pages; 46 black and white photographs; 47 line drawings; 18 tables of data; Index; ISBN 978 185486 262 4 Paperback £ 7.95;

Classification: Model Engineering/Electrics

Specification:

A practical guide to running three-phase equipment on single-phase electricity supplies. Often, model engineers buy industrial workshop equipment which usually require a three-phase electricity supply. Although ready-built phase converters are available, they can often cost as much or even more than the equipment purchased.

A practical guide to running three-phase equipment on single-phase electricity supplies.

Often, model engineers buy industrial workshop equipment, such as lathes, drilling machines and milling machines, which usually require a three-phase electricity supply. Although ready-built phase converters are available, they can often cost as much or even more than the equipment purchased. This book provides an invaluable source of practical guidance on how anyone can find out the type of electrical equipment they have, and how to convert it to run on a single-phase supply.

The book provides calculations, step-by-step instructions with photographs and diagrams and covers electricity supplies in the UK, North America, Europe and the rest of the world. Finally, it also advises on which equipment cannot be converted at all.

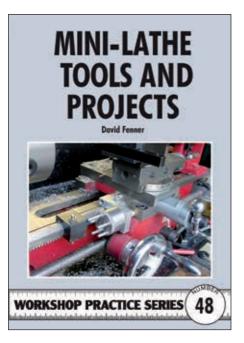
Graham Astbury graduated from the University of Birmingham and is a Chartered Engineer, who has recently retired after a career in the chemical industry providing expertise on the prevention of fires and explosions. With a lifelong interest in both model and electrical engineering, he started re-winding motors and transformers whilst still at school, and has spent the last few years researching into phase conversion methods for his own workshop.

Published by Special Interest Model Books in 2011

Contents: Terminology; Nomenclature; Basic Alternating Current Concepts; Why Three-Phase? Useful Instruments to Have; Identifying What Equipment You Have; Steinmatz Connection; Phase Converters; Use of a Motor-Generator Supply; Electronic Variable Speed Drives; Wiring Motor Starters and Overloads; Winding Autotransformers; Heaters; The Mathematics of Three-Phase; Notes for Non-European Supplies; Copper Wire Tables; Answers to your Questions.

Workshop Practice Series No. 48 MINI-LATHE TOOLS AND PROJECTS

David Fenner



Specification:
210 x 148 mm;
126 pages;
223 colour photographs;
83 scale plans & line drawings;
ISBN 978 185486 265 5
Paperback £7.95;
Classification: Model Engineering/Lathes

This book follows on from the same author's introduction to the Mini-Lathe (Workshop Practice Series No. 43) and presents a series of projects which are intended to extend the versatility of this little machine and specific tools such as the radius turning attachment, the tailstock and the dividing head.

This book follows on from the same author's introduction to the Mini-Lathe (Workshop Practice Series No. 43) and presents a series of projects which are intended to extend the versatility of this little machine. In some cases, additional machining capacity will be required, which some readers may find at their local model engineering club.

The book covers the Mark 2 Mini-Lathe, and specific tools such as the radius turning attachment, the tailstock and the dividing head, and includes techniques such as taper turning and knurling.

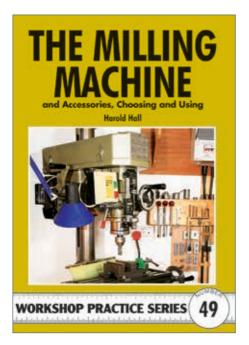
Whilst specifically written for the Mini-Lathe, some of the projects in this book can equally be applied to other small model engineering lathes and in many cases the concepts can be scaled to suit other equipment. David Fenner based this practical book on his many hours "road testing" mini-lathes in his own home workshop. After a career of over forty years spent mainly in manufacturing engineering, he occupied the editorial chair at Model Engineer's Workshop magazine for about five years, relinquishing the role in 2007 to a life in Scotland where he devoted his time to hobby activities and to writing about home workshop topics. His first serious involvement in model making was with control line model aircraft in the late 1950s and early 1960s, taking up model engineering in the late 1970s. His other interests include classic cars and motorcycles.

Published by Special Interest Model Books in 2012

Contents: Mark 2 Mini-Lathe; Improving the Radius Turning Attachment; Tailstock "Off-Centre" for Taper Turning; Mini-Lathe Saddle Attachment; Taper Turning Attachment; Lever Feed for the Tailstock; MultiPosition Saddle Stop; Four Way Tailstock Turret; Long Cross Slide; Five Way Tailstock Turret; Dividing Head - Simple; Dividing Head - With Worm; Pump Centre; Simple Double-Ended Tailstock Dieholder; Knurling.

Workshop Practice Series No. 49 THE MILLING MACHINE

And Accessories, Choosing and Using Harold Hall



Specification:
210 x 148 mm;
126 pages;
154 colour photographs;
35 scale plans & line drawings;
ISBN 978 185486 266 2
Paperback £ 7.95;
Classification: Model Engineering/Lathes
Not available in North America

This book deals with choosing and using a milling machine and its accessories - the cutters, cutter chucks, workpiece clamps, vices, angle plates, dividing heads, rotary tables, boring heads and other minor items. The usage of each machine and accessory is described in sufficient detail for the vast majority of uses in the home workshop.

This book deals with the process of choosing and using a milling machine and its accessories. In addition to the machine itself, the accessories include the cutters, cutter chucks, workpiece clamps, vices, angle plates, dividing heads, rotary tables, boring heads and other minor items.

The content is divided into three main sections. Firstly, it describes what machines and accessories are available and covering each one in detail. The author explains which are essential and which can be obtained when the workshop activity eventually demands one. There are also suggestions on how the equipment chosen should be installed.

The usage of each machine and accessory is covered for all but their most complex uses. Typically, using the rotary table and the dividing head are both described to a detail sufficient for the majority of uses that will surface in the home workshop.

The third section deals with the actual machining process, covering the choice of the cutter for the task in hand, the speeds to use and how the direction of the feed relative to the cutter rotation is vitally important. A less-understood feature of milling, back cutting, is also explained. The subject of sharpening milling tools is briefly covered and a simple off hand grinder fixture that will bring new life to a used end mill is described.

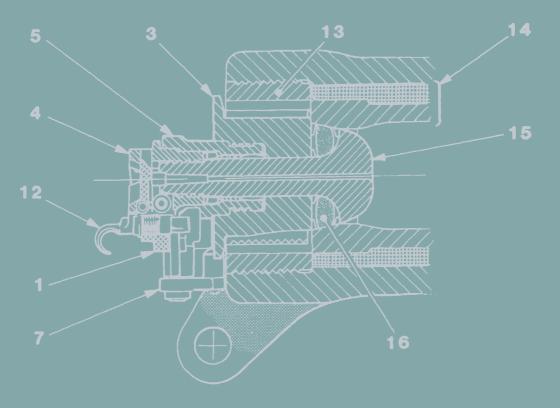
Harold Hall was for a number of years the editor of Model Engineers' Workshop magazine and through its pages, he established himself as a mentor to tyro model engineers worldwide.

Published by Special Interest Model Books in 2011

Contents: Choosing the Machine; Cutters; Cutter Holding Devices; Mehtod for Securing the Workpiece; Essential Accessories; Installation; Using the Machine; Getting Started; Using the Vice; Using the

Angle Plate; Using the Worktable; Using a Divided Head; Using a Rotary Table; Using other Accessories; Positioning the Workpiece; Machining; Making the First Cut; Maintaining your Cutters; Final Comments.

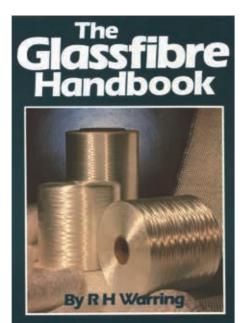
MODELLING



www.specialinterestmodelbooks.co.uk

THE GLASSFIBRE HANDBOOK

R.H.Warring



Specification:
210 x 148 mm;
160 pages;
24 black & white photographs
150 scale diagrams, graphs & line drawings;
18 tables of data;
ISBN 978 085242 820 7
Paperback £ 8.95
Classification: Modelling/Crafts

A prime reference book on glassfibre materials and techniques. Includes information on methods and materials, and covers models, boats, cars and all types of GRP work.

This instruction manual answers all your questions, both theoretical and practical, about crafting with glassfibre, or GRP (glass reinforced plastic). It is really a pocket reference for anybody who works with any type of GRP including Kevlar and carbon fibre.

It starts with a brief history lesson and then leaps into the different materials, their pros & cons, how to work with them in many ways, how to mould, laminate, repair - anything from scale models to full sized cars, yachts, furniture, water tanks, fish ponds and more.

The text is simple but thorough and is both pragmatic and theoretical. If you want technical specifications you will find those too.

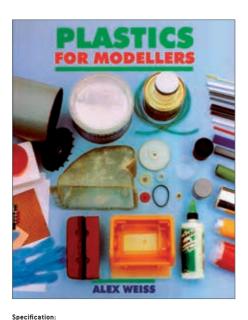
Appendices: How thick? How Strong? How Heavy? Resistance to Chemicals; Ageing Effects; Thermal Properties of GRP Laminates; Osmosis; Resin Technology; Deflections and Stresses in Sandwich Beams.

Originally published in 1971 as The New Glass Fibre Book by Model and Allied Publications This revised and updated version published in 1983 by Argus Books Ltd Special Interest Model Books edition published 2004

Contents: How To Use This Handbook; How GRP Was Born; Fabrication Techniques; Glass Fibre Materials; Resins; Accelerators, Catalysts and Curing; Other Materials; Quantities Requires; Tools & Equipment; Design in GRP; Making Moulds; Hand Lay-Up; Moulded Shapes; Casting, Potting and Encapsulation; GRP at Home; Transparent and Translucent Panels; Tanks in GRP; Garden Pools and Fishponds; GRP in Model Making; GRP Hulls; Sandwich Construction; Sheathing Hulls; GRP Car Bodies; Car Body Repairs; Repairs to GRP; Faults, Causes and Remedies.

PLASTICS FOR MODELLERS

Alex Weiss



236 x 189 mm;
160 pages;
199 black & white photographs
27 scale diagrams, graphs & line drawings;
13b+w cartoons;
17 tables of data;
Index;
ISBN 978 185486 170 2
Paperback £ 8.95
Classification: Modelling/Crafts

This book provides a comprehensive guide to the use of plastics in the many and varied fields of modelling. Various types and forms of plastics are described and their useful characteristics, strengths and weaknesses are detailed over the more commonly used materials such as wood and metal.

A comprehensive guide to the use of plastics in the many and varied fields of modelling. This book describes the various types and forms of plastics and details their useful characteristics, strengths and weaknesses. It also explains how to source them, how to work with them when making models and examines their applications in each of the many and varied branches of modelling: flying model aircraft; rockets; model power boats, yachts and submarines; model cars; plastic kits; scratchbuilt models of aircraft, ships, spacecraft and cars; figures for aircraft, boats, cars, fantasy games, military modelling or railway layouts; buildings for dolls, railways or wargaming; railway locomotives and rolling stock [7.5 inch to N gauge]; Model engineering models and tools; electronics.

Well illustrated with informative line drawings, instructive photographs and amusing cartoons, the book is a mine of information which explains why you might choose, or prefer to substitute, plastics for the more commonly used materials such as wood and metal.

Alex Weiss has fist-hand experience both of working in many different areas of modelling and of using the majority of the materials described. He has packed a lifetime of working with plastics into this concise and practical book.

Published in 1998 by Nexus Special Interests Ltd

Contents: Introduction to Plastics; Types of Plastic Materials; Thermoplastics; Basic Forms of Plastics; Working With Plastics; Working Plastics with Hand and Power Tools; Joining Plastics to Themselves and Other Materials; Heat Forming and Vacuum Forming: Rubber Moulds and Components:

Composite Materials and Resin Casting; Expanded Polystyrene and Other Foams; Plastic Kits and Styrene; Applications of Plastics; Flying Models; Ships & Boats; Cars and Land Vehicles; Buildings and Layouts; Figures; Model Engineering; Electrical and Electronics: Useful Addresses: Index of Plastics.

AIRBRUSHING AND SPRAY PAINTING MANUAL

Ian Peacock



Specification:
210 x 148 mm;
174 pages;
138 black & white photographs
34 scale diagrams, graphs & line drawings;
ISBN 978 085242 802 3
Paperback £ 8.95
Classification: Modelling/Crafts

A complete guide to the art and techniques of airbrushing and spray painting. This book will be of immense value to all modellers.

A concise and informative introduction to airbrushing methods for modellers, which contains a number of useful, graded projects which enable the beginner to develop airbrushing skills. There are chapters that cover techniques for use with both scale and non-scale models and even full size custom cars.

The book contains a great deal of information on types of airbrushes, sprayguns and their maintenance, plus useful discussions dealing with the different types of compressors used in airbrushing, how to choose or build a compressor and their safe use.

Safety is always paramount with the author, with a chapter dedicated to health and safety considerations covering the use of a compressor, types of paint and dope, masks and respirators. He also explains the different materials that can be used in airbrushes and their application.

This is a useful resource for a beginner to the art and techniques of airbrushing, providing a complete overview of the subject.

Originally published in 1984 by Argus Books Ltd Special Interest Model Books edition published in 2002

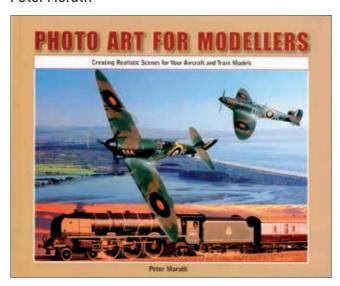
Contents: History of Airbrushes and Spray Guns; Basic Technology; Airbrushes; Spray Guns; Compressors; Building a Compressor; Materials; Health and Safety; Basic Practice Steps; Spraying Accessories: Spraying Techniques for Scale and

Non-Scale Models; Customising Techniques for Full Size Cars; Special Techniques for Small Scale Models (1/72nd Plastic Kits and 00 Gauge Railways). Summary of Equipment; Useful Addresses.

PHOTO ART FOR MODELLERS

Creating Realistic Scenes For Your Aircraft And Train Models

Peter Morath



Specification: 210 x 254 mm (landscape); 96 pages; 129 colour photographs; 18BN 978 185486 251 8 Paperback £14.95 Classification: Modelling/Photography

A full colour guide to photographing model aircraft and railways against realistic backgrounds, using home computer software such as Photoshop. The book provides brief tutorials on the methods used and is illustrated by many examples of the final results.

A full colour guide to photographing model aircraft and trains against realistic backgrounds, using computer software such as Photoshop.

Home computers and digital cameras have given aircraft and train modellers the opportunity to add a very creative and enjoyable new dimension to their hobby. With fairly basic computer and camera skills, the models can be displayed in their true environments: images of

aircraft can appear airborne and trains can be brought to life by the simple "addition" of smoke, steam and footplate crew.

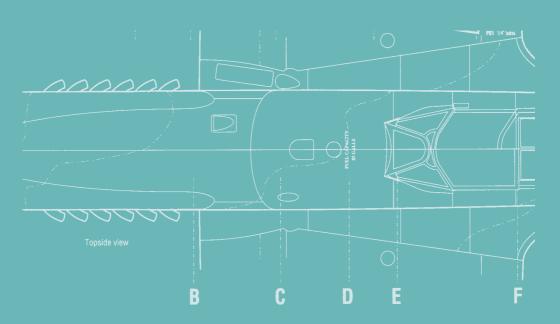
This book provides brief tutorials on the methods the author uses and illustrates in full colour many examples of the final results.

Peter Morath studied at Liverpool College of Art and was trained as a lithographic artist in the printing industry. A Fellow of the Royal Photographic Society, his photography has won many awards both nationally and internationally.

Published by Special Interest Model Books in 2008

Contents: Aircraft Tutorials; Models & Backgrounds; Photographing Aircraft Models; Getting Them "Airborne"; Spinning the Prop; Clearing the Canopy; Smoke and Vapour; Military Aircraft; Civil Aircraft; Trair Tutorials; Photographing Train Models; Lamps and Footplate Crew; "Fixing" Bad Bogies; Bringing Model Trains into the Real World: Making Smoke & Steam.

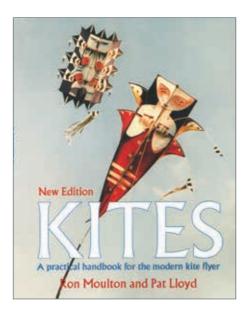
AIRCRAFT



KITES

The Practical Handbook For The Modern Kite Flyer

Ron Moulton and Pat Lloyd



Specification:
246 x 189 mm;
256 pages;
24 pages of colour photographs;
132 black & white photographs;
102 full-page scale plans and line drawings;
ISBN 978 185486 1436
Paperback £16.95
Category: Kites/Crafts

The definitive book on making and flying modern kites. The authoritative text and drawings describe the new era of advanced types, joints, knots and lines, designs to make, the Rokkaku cult, aerobatic kites, kite photography, parachutes and balloons. Illustrated throughout in colour and black and white, Kites is an indispensable guide to the hobby.

The age old pastime of kite flying has recently experienced a dramatic increase in popularity owing to the introduction of bold new designs and materials for improved standards of efficiency.

In this completely revised and updated edition of one of the best books ever written on the hobby, Ron Moulton (founder of the British Kite Flying Association) and Pat Lloyd (an internationally respected draughtsman) provide all the latest information on making and flying modern kites. The authoritative text and detailed drawings and even more colour photographs combine to describe the new era of advanced models, the latest materials and the expert skills required. Specialities such as kit fighting with the Rokkaku design, aerial photography, Parabear drops and team aerobatics are supported by 30 fully-dimensioned kite plans that embrace the traditional, the simple and the sophisticated.

Author Pat Moulton was a model-making magazine publisher for almost forty years and a life-long aviation enthusiast. He established the British Kite Flying Association in 1975 and organised three annual kite festivals. Illustrator Pat Lloyd is a skilled draughtsman and model-maker whose talents are evident in the 102 full-page sketches he produced for this book.

First published by Argus Books Ltd in 1992 Revised Second Edition published by Nexus Special Interests Ltd in 1997 Special Interest Model Books edition published 2004

Contents: So You Want To Fly A Kite? Making Your Own; Flying Lines, Bridles, Knots and Reels; Painting the Sky; Aerial Photography from Kites; Paradrops, Skydivers and Bearly-Made-It Squads; Rokkaku Fighting Kites - into Battle: The Steerable Invasion; 19 Selected Variations in Kite Design; The Law and Kite Flying; The Fun in Kites; International Kite Flying Organisations; Kite Museums; International Kite Festival Calendar; Kite Periodicals.

AIRCRAFT

AIRCRAFT WORKSHOP Learn To Make Models That Fly

Kelvin Shacklock



Specification:
297 x 210 mm;
264 pages;
538 black & white photographs;
75 scale plans;
95 line drawings;
ISBN 978 185496 216 7
Paperback £15.95
Category: Aviation/Modelling

Contents: Designing your first 'chuckie'; Glider with control surfaces; Piper J-3 Cub building exercise; Joining a club; Building a Micro T - a 'progressive' trainer; Choosing a radio; Radio control and first flight; Adding and managing the engine; Adding wheels; Adding a camera; Looking at and modelling full-size

A comprehensive guide to aircraft modelling which covers everything from the basic principles to making your first flying model through to advanced scale construction models. With step-by-step instructions and detailed scaled plans and illustrations.

A comprehensive guide to aircraft modelling which covers everything from the basic principles to making your first flying model through to advanced scale construction models.

The key to the book is the extraordinary thoroughness of its scope and content, from the step-by-step instructions to the detailed scaled plans and illustrations. Even the "summary of contents" is five A4 pages long showing ata-glance what there is to learn and how to get additional information and practice!

The book covers your first flying model, what materials and tools are needed, marking and cutting, designing your own plane, construction drawing, enlarging plans and building models. It explains the simple rules of flight, building a glider with control surfaces, building a 'progressive' trainer, choosing radio control, how to handle your first flight, preflight checks, flight debriefing, adding an engine, engine management, engine tuning, powered flight and adding wheels.

Flying instructions include taxiing, takeoff, landing, basic flight manoeuvres, turning, figure of eight, flying in a wind, dead stick landing, loop and roll.

Modelling techniques covered include working with polystyrene, moulding in fibreglass, vacuum forming, finishing and fitting out, installing large engines, registration of plans and much, much more......

Kelvin Shacklock began modelling aircraft at primary school and has retained an interest ever since.

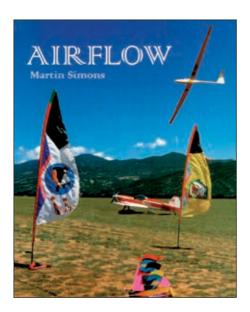
First published by Nexus Special Interests Ltd in 2001 Special Interest Model Books edition published in 2004

aircraft; Building a sports-scale plane; Building a 1/4 scale DH71; Sport kit to Schneider racer; Building a 60" Hawker Sea Fury; Researching and building a 1/5 scale Spitfire F.XIVE; Where to from here? Summary of Contents.

AIRCRAFT

AIRFLOW

Martin Simons



Specification:
236 x 189 mm;
144 pages;
54 black & white photographs;
146 line drawings;
Index;
ISBN 978 185486 169 6
Paperback £10.95
Category: Aerodynamics/Modelling

Airflow examines and describes the many ways in which people exploit, harness or confront the physical properties of wind and air. This book will be of great interest to the increasing number of people who are interested in yachting, aeromodelling, ballooning, car racing, parachuting, kite flying, hang gliding, gliding and power flying.

Airflow examines and describes the many ways in which modellers and practitioners of a wide range of hobbies and sports (even cricket!) can understand and confront, harness and exploit the physical properties of wind and air.

The book's admirable breadth and depth offers something not only for students of many science and technical subjects, but also to the hobbyists and disciples of 'alternative energy'. The book will be of particular interest to the increasing number of people who are hooked on the thrill and excitement of sports such as yachting, aeromodelling, ballooning, car racing, parachuting, kite flying, boomerang throwing, hang gliding, soaring in sailplanes and power flying.

The author Martin Simons, MA, MEd, BSc is a retired university lecturer and lifelong model aeroplane enthusiast. For nearly sixty years he has been actively involved in designing, building and flying models of all kinds, including full-scale sailplanes. His body of work includes Model Aircraft Aerodynamics and Model Flight which are standard texts on aerodynamic theory for aviation hobbyists.

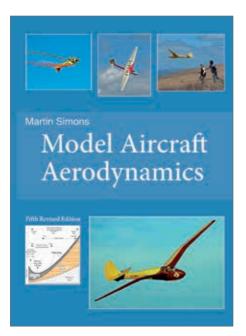
Originally published in Australia in 1984 by AE Press First published in the UK by Nexus Special Interests Ltd in 1998

Contents: The force of the wind; The atmosphere; Streamlining; Sailing; Power from the wind; Boomerangs; Spin bowling; Kites; Parachutes;

Aeroplanes; Gliders; Helicopters; Rockets; Jet propulsion; Supersonic flight; The future; Glossary.

MODEL AIRCRAFT AERODYNAMICS Fifth Revised Edition

Martin Simons



Specification:
234 x 189 mm;
342 pages;
50 colour photographs;
200 colour & b+willustrations;
Paperback £ 19.95
ISBN 978 185486 270 9
Classification: Hobbies - Model Aircraft Flying/Technology
- Aerodynamics

Contents: Fundamentals; Factors affecting Lift and Drag; Scale Effect and the Boundary Layer; Basic Model Performance Problems; Reducing Induced Drag; Aspect Ratio; Planform and Twist; Aerofoils - Camber, Turbulent Flow, Laminar Flow; Wind Tunnel; Parasite Drag; Trim and Stability; Control; Propellers; Helicopter Rotor; The Birds and the Bees; Example Calculations; Selected Wind Tunnel Test Results; Airfoil Design and XFoil.

Now celebrating its 5th edition with much additional material of particular interest to radio control and helicopter enthusiasts, this remains the world's authoritative work on aerodynamic theory for model flight.

This is the latest edition - fully revised and updated - of the standard work on aerodynamic theory, as applied to model flight. Everything is explained in a concise and practical form for those enthusiasts who appreciate that a better understanding of model behaviour is the sure path to greater success and enjoyment, whether just for fun or in competition.

The revisions for this new edition reflect the significant developments in model aircraft during the last few years, and include brand new data:

- The chapter on aerofoils has been extended to take account of the vast amount of testing carried out recently in the USA at the University of Illinois.
- A brand new chapter explains the latest research into the flight of birds and insects which is being applied now to small drones and miniature surveillance aircraft.
- Older wind tunnel test reports have been replaced with the latest trials and measurements.
- All of the black-and-white photographs and line drawings have been replaced by full colour illustrations.

Martin Simons' interest in aviation goes back more than seventy years. He remains actively involved in designing, building and flying model aircraft and full-scale sailplanes. Born in England in 1930, he was a teacher and became a lecturer in education in London University. He now lives in Australia where for twenty-five years he was a senior lecturer in education at the University of Adelaide. He has published numerous articles and several books on full-sized sailplanes and model flying and was the editor of Australian Gliding magazine for ten years.

Originally published by Model and Allied Publications in 1978

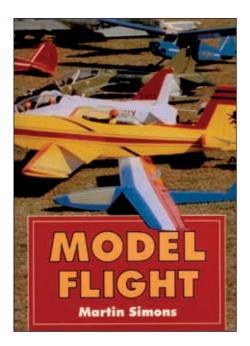
Revised by Argus Books in 1987 and 1994 Fourth Revised Edition published by Nexus Special Interests in 1999

This edition published by Special Interest Model Books in 2015

AIRCRAFT

MODEL FLIGHT

Martin Simons



Specification: 210 x 148 mm; 140 pages; 109 b+w scale plans and line drawings; 3 tables of data; Index; ISBN 978 085242 938 9 Paperback £9.95 Category: Aerodynamics/Modelling This book explains in simple terms without arithmetic the basic aerodynamic factors affecting radio controlled flying models. It shows how a little theory can be turned to practical advantage, enhancing model performance and the enjoyment experienced by the model flier.

This book explains in simple terms the fundamental principles of flight and the basic aerodynamic factors affecting radio controlled flying models. Neither mathematics or higher physics is required in order to understand how and why model aircraft behave and sometimes misbehave in the way that they do. A little theory can be turned to practical advantage, enhancing model performance and the enjoyment experienced by the model flier.

Although the book was written primarily for fliers of conventional radio-controlled models, the principles apply to other aspects of model flying such as free flight, control-line, helicopters and gliders.

The author, Martin Simons MA, MEd, BSc, now retired from his university teaching post has been flying models of all kinds, and full-scale sailplanes, for more than fifty years. His more advanced book Model Aircraft Aerodynamics is the standard work on its subject in the English language. Model Flight is a much simplified introduction to the same complex field.

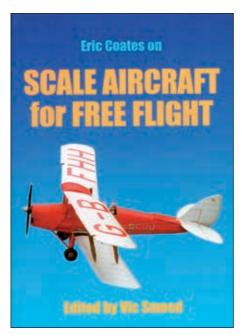
First published by Argus Books Ltd in 1988 Re-issued by Nexus Special Interests Ltd in 1998

Contents: The Basics: Air - a Fluid; Aerodynamic Reaction; Streamlined and Separated Flow; Pitching; Lift and Drag; Thrust and Speed; Stalling; G Forces. Control: Control Axes; Control in Pitch, Yaw and Roll; Taking Off; Flying Straight and Level; Turning; Landing; Looping; Rolling. Wing Sections: Wing Lift & Drag; Pitching Movement; Centre of pressure; Air Pressure and Flow Velocity; Flat and Curved Plate Wings; Thick Sections; Camber, Lift and Drag. The Wing in Plan: Area; Loading; Ballast; Aspect Ratio; Vortex Drag and Downwash; Refinements; Swept

Wing Tip Stalling; Washout; Winglets and Tip Sails; Wing Tip Stalling; Washout; Winglets and Tip Sails; Wing Tip Shapes. Stability: Stability, Control and Pitch; Centre of Gravity Position; Pitch Stability; Neutral Stability; Static Stability Margin; Stability in Yaw and Roll; Pendulum, Dihedral and Sweep Effects; Holding Off Bank. Propeller Basics: Diameter; Coarse and Fine Pitch; Blade Lift and Thrust; Propeller Vortex System; Blade Interference; Blade Sections and Shape; Torque Reactions; P Effect and Gyroscopic Reactions.

SCALE AIRCRAFT FOR FREE FLIGHT

Eric Coates Edited by Vic Smeed



Specification: 210 x 145 mm; 126 pages; 104 black and white photographs; 20 plans; ISBN 978 185486 167 2 Paperback £ 9.95 Classification: Aviation/Modelling This book is based upon a compilation of articles by Eric Coates in Aeromodeller from the early 1970s. He was a successful competitor and pathfinder in the development of scale accuracy and these articles remain a leading source of practical advice on how to build and fly a scale model aeroplane.

The major difference between free-flight and radiocontrolled scale models is that all the adjustments to the flight path of the former must be made before release:free flight models must be capable of stable flight, whether under power or on the glide, without the need or the opportunity to carry out in-flight alterations.

This is a challenge most surely met by lightly loaded, slow-flying models based on full size machines having those characteristics, best typified by early bi-planes.

A leading exponent of scale models with this approach was the late Eric Coates. For many years no event for this type of model was complete without his presence; he was a successful competitor & a pathfinder in the development of greater scale accuracy.

His series of articles in Aeromodeller magazine in the early 1970s is still regarded as the classic exposition on the subject, as relevant today as when first written. They offer advice on choice of prototype, construction, covering, finishing and detailing, plus trimming and flying - up to competition standard if required. The articles have been brought together in this book for the first time, updated and revised by technical writer Vic Smeed.

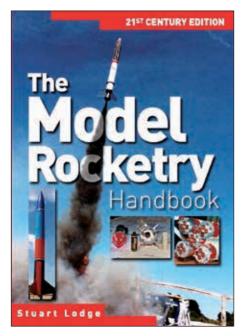
First published in book form by Nexus Special Interests Ltd in 1998

Contents: Introduction; Selection of Prototype; Design Features; Fuselage Construction; Rigging and Wing Attachment; Wing and Tailplane Construction;

Covering and Finishing; Detail - Propellers, Engines, Cockpits, Pilots, Guns, Undercarriage, Wheels, Fabric Lacing; Flying; Glossary

THE MODEL ROCKETRY HANDBOOK 21st Century Edition

Stuart Lodge



Specification:
210 x 148 mm;
150 pages;
42 black & white photographs;
32 scale plans and line drawings;
ISBN 978 185486 229 7
Paperback £9.95
Classification: Aviation/Modelling

For sheer excitement, the launch of a model rocket takes a lot of beating. The tension of the countdown, ignition, a blast of flame and smoke and your creation boosts skyward. Stuart Lodge has experienced all forms of rocketry and built up a depth of experience of the science and practice of this futuristic hobby. He describes the physics and chemistry for those who explore the hobby in-depth but also enables the newcomer to gain the knowledge to safely enjoy it.

For sheer excitement, the launch of a model rocket takes a lot of beating. The tension of the countdown, ignition, a blast of flame and smoke and your creation boosts skywards. The spectacle of a detailed scale rocket hurtling skywards then either drifting down on a recovery parachute or a high performance boost glider circling in a thermal current immediately brings to mind thoughts of interplanetary travel and the infinity of space.

Author Stuart Lodge has experienced all forms of model rocketry and built up a depth of experience of the science and practice of this futuristic hobby. This book describes the physics and chemistry for those who want to explore the hobby in-depth but also enables the newcomer to gain the knowledge to safely enjoy it.

The whole spectrum of the hobby is covered including history, scale, functional model construction, propellants, stability, recovery and ground support systems.

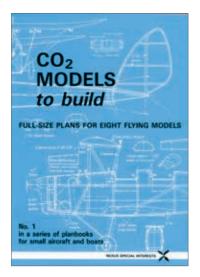
Originally published by Argus Books Ltd in 1990
Revised and Updated 2nd Edition published by Special
Interest Model Books in 2004

Contents: Genesis; Rocketry Spectrum; Construction; Propellants; Recovery Phase; Ground Support Equipment; Stability; Aerodynamics; Contest Space Modelling; Booster Roosters; Scale Models;

AIRCRAFT

CO2 MODELS TO BUILD

Edited by Vic Smeed



Full size photocopiable plans for eight flying models using carbon dioxide power. These classic facsimile designs originally appeared in Aeromodeller magazine between 1981 and 1987.

Published by Nexus Special Interests Ltd in 1995

Specification:
297 x 210mm;
32 pages;
19 black and white photographs;
20 pages of b+w scale plans;
8 line drawings;
ISBN 978 185486 156 6
Stapled paperback £6.95
Classification: Aviation/Modelling

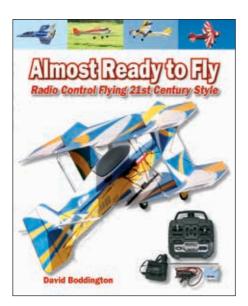


www.specialinterestmodelbooks.co.uk

ALMOST READY TO FLY

Radio Control Flying 21st Century Style

David Boddington



Specification:
236 x 189 mm;
168 pages;
41 colour photographs;
172 black and white photographs;
ISBN 978 185486 242 6
Paperback £16.95
Classification: Aviation/Modelling/Radio Control Flying

A revolution in radio control aircraft modelling is taking place. Instead of building planes, enthusiasts are buying them off the shelf. This book is a response to the changing market. It aims to provide all the information the budding R/C flyer cannot get from within the packaging of the model he has, or is about to purchase.

A revolution in radio control aircraft modelling is here. The traditional route to flying a radio-controlled model was to purchase materials (or a kit of parts) and build one's own model. This approach is rapidly disappearing as well-designed and affordable 'Almost Ready To Fly' models dominate the market. This is the latest and most exciting development in radio control model flying - off the shelf, out of the box and ready to fly!

This book is a response to the changing market. It aims to provide all the information the budding radio control flyer cannot get from within the packaging of the model he has, or is about to, purchase:

David Boddington had a world-wide reputation as a journalist and author, model designer builder and expert radio control model flyer. His experience in this field ranged from editing modelling magazines, creating and flying models for television series and films, full-size flying activities and the designer of over 500 model aircraft

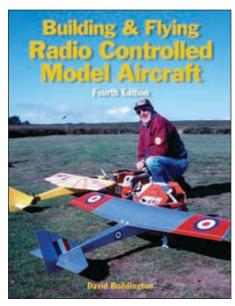
Published by Special Interest Model Books in 2007

Contents: Model Types Available; ARTF & RTF; Moulded Foam; Moulded GRP & Injection; Electric; I.C. Powered; Gliders; Helicopters; Getting started; Trainers; Which Ones to Buy and Why; Joining a club - or going it alone; Radio Equipment; Electric Power; Learning to Fly; Preventative maintenance and repairs; More advanced ARTF models; Aeromodelling abbreviations and terms.

BUILDING AND FLYING RADIO CONTROLLED AIRCRAFT

Fourth Edition

David Boddington



Specification:
246 x 189 mm;
248 pages;
179 black and white photographs;
81 line drawings;
ISBN 978 185486 239 6
Paperback £16.95
Classification: Aviation/Modelling/Radio Control Flying

Fully updated edition of the classic introduction to the radio controlled flying hobby: model designs, building or buying, engine and radio technology, and the basics of flying. This new version gives special attention to the burgeoning "ready to fly" market and the products that are available.

Over the past decade the developments in the technology of radio control equipment and model aircraft have been tremendous. Because of these advances there is now an even greater need for the enthusiast to be guided through the essential stages of selecting models and state-of-the-art equipment plus construction of, and flying, the aircraft.

With this completely updated edition of his bestselling book, David Boddington encourages and instructs both the novice and the experienced aeromodeller. He puts all his immense experience at the disposal of all radio control aircraft enthusiasts.

The beginner to this hobby will benefit from the information contained in these well-illustrated pages, but the more advanced modeller will also gain from the contents. In logical sequence, it deals with the types of model and radio control systems available, the materials and tools required for building, constructional techniques, engines and electric motors and the basics of learning to fly the model aircraft.

David Boddington had a world-wide reputation as a journalist and author, model designer builder and expert radio control model flyer. His experience ranged from editing modelling magazines, creating and flying models for television series and films, full-size flying activities and the designer of over 500 model aircraft.

Originally published by Argus Books Ltd in 1978 Second Revised Edition published by Argus Books Ltd in 1982

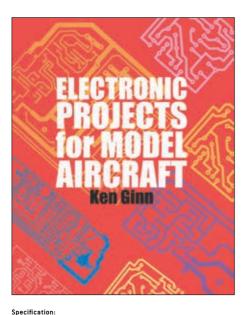
Third Revised Edition published by Nexus Special Interests Ltd in 1996

Fourth Revised Edition by Special Interest Model Books in 2005

Contents: Radio Control Equipment; The Trainer; Workshop Tools; Materials; Construction; Basic Aerodynamics; Installation of Hinges, Linkages and R/C Equipment; Covering Methods and Finishes; Radio Control Engines and Ancillaries; Electric Flight; ARTFs; First Flights; Safety; Field Equipment; Model Selection; Small Field Flying; Gliders; Fun Flying; Floats and Skis; Ducted Fans and Gas Turbine Models; Mini-Models; Large Models; Helicopters and Autogyros; Maintenance; Onwards and Upwards.

ELECTRONIC PROJECTS FOR MODEL AIRCRAFT

Ken Ginn



236 x 189 mm;
96 pages;
15 black and white photographs;
70 circuit diagrams and scale drawings;
ISBN 978 185486 1788
Paperback £10.95
Classification: Aviation/Electronics/Radio Control Flying

Although radio control equipment is readily available, some items can be cheaper to make yourself. Beginning with an overview of the tools required and the construction techniques necessary to build them, the book goes on to give information on how to make a number of essential projects.

Although radio control equipment for model aircraft is readily available, some items can be cheaper to make yourself.

Beginning with an overview of the tools required and the construction techniques necessary to build the projects, this book goes on to give information on how to make a number of projects which include a mains battery charger, a field nicad battery charger, a flight switch and a flasher unit. The projects are all neatly constructed on printed circuit boards with full construction and testing details.

This book will not only save you money, it will also introduce you to another absorbing and stimulating aspect of the hobby.

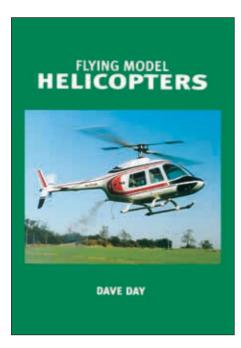
Contents: Introduction; Tx/Rx Battery Charger; Flight Switch with BEC; Low Current Switch; Receiver Nicad Battery Tester; Tachometer, Nicad Battery Discharger; Electric Motor Speed Controller; Flasher Unit; Servo Splitter; Component Suppliers; Pin Component Designation.

Published by Nexus Special Interests Ltd in 1998

Contents: Introduction; Tx/Rx Battery Charger; Flight Switch with BEC; Low Current Switch; Receiver Nicad Battery Tester; Tachometer, Nicad Battery Discharger; Electric Motor Speed COntroller; Flasher Unit; Servo Splitter; Component Suppliers; Pin Component Designation.

FLYING MODEL HELICOPTERS

Dave Day



Specification:
210 x 148 mm;
192 pages;
70 black and white photographs;
171 scale plans and line drawings;
Index;
ISBN 978 185486 203 7
Paperback £9.95
Classification: Aviation/Modelling/Radio Control Flying

Contents: Introduction; Types of Helicopter and Their Controls; Typical Model Helicopter; Pitch and Throttle Relationship; Modes and Trays; Radio Control Equipment; New or Secondhand; Balancing; Gyrostabilisers; Training Devices; Hovering; First Flying a model helicopter is a challenge and the wise modeller will seek the fullest advice on all the possible variations and handling techniques before embarking on this difficult but extremely popular branch of aeromodelling. Dave Day, an acknowledged expert, helps to minimise the problems.

Flying a model helicopter is a challenge almost as difficult as flying a real one, and the wise modeller will seek the fullest advice on all the possible variations and handling techniques before embarking on attempts to fly. They will find all the advice they need here - in Dave Day's classic book, now revised and updated for the first decade of the 21st century.

The continuing development of radio controlled model helicopters over the years since this book was originally published has led to great sophistication in the hobby. This in turn has produced a situation where the actual flying of a correctly set up model with the latest radio equipment is considerably easier. Despite this, the process of learning to fly has not really changed a great deal, while the setting-up process has become increasingly complex. Both must be learned and developed by the individual with practice and perseverance.

In this book Dave Day, who had the forethought to record his early experiences as they happened, and who has continued the process as his skills developed, sets out a step-by-step programme from the first exercises through to advanced aerobatics and beyond. These are accompanied by comments on a typical model, its requirements and its setting-up which will be of interest and value to all model helicopter flyers irrespective of their skills.

Originally published in 1986 by Argus Books Ltd. Second Revised Edition published in 2001 by Nexus Special Interests Ltd.

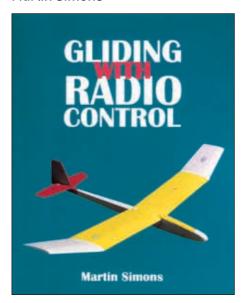
Special Interest Model Books edition published in 2005

Circuits; Advanced Circuits; Advanced Hovering; Autorotation; Aerobatics; Summary of Hovering and Aerobatics Differing Requirements; Advanced Aerobatics; Contests; Conclusions.

GLIDING WITH RADIO CONTROL

A Beginner's Guide To Building and Flying Model Sailplanes

Martin Simons



Specification:
236 x 189 mm;
128 pages;
36 black and white photographs;
77 scale plans and line drawings;
Glossary;
ISBN 978 185486 173 3
Paperback £19.95
Classification: Aviation/Modelling/Radio Control Flying

A beginner's guide to building and flying model gliders. A simple and easily understood guide to radio control glider flying, it will help the complete beginner to avoid frustrating errors. No prior knowledge of flying, modelling or radio control is required.

This is a simple and easily understood guide to radio control glider flying. No prior knowledge of flying, modelling or radio is required and the advice offered will help the complete beginner to avoid frustrating errors and possible subsequent disillusionment.

In this book you will find out how to choose your first model, what kind of radio gear to buy, how to set about building the glider, fitting the radio and linking up the controls, where to get help when learning to fly, how to launch your model and make safe landings, how to fly loops, slow rolls, stalls and spins and how to soar over hills and in thermals.

Martin Simons is an ace sailplane pilot and life-long modeller who has written numerous books on model aviation and aerodynamic theory.

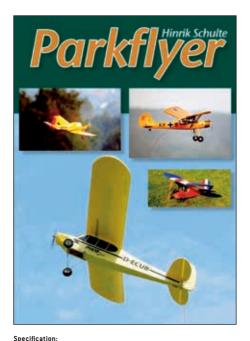
Originally published in the USA in 1994 Published in the UK by Nexus Special Interests Ltd in 1998.

Reprinted in a limited edition by Special Interest Model Books in 2020

Contents: Getting Help; Cost of Radio Equipment; Cost of the First Glider; Field Equipment; Glider Layout and Structure; Fine Points of Design; Radio Control Gear; Building the Model; Fitting the Radio into the Model; Balancing the Model; How the Glider Flies; How the Controls Work; Learning to Fly; Launching; Landing; Soaring; What Next?

PARKFLYER

Hinrik Schulte



230x165 mm;
126 pages;
15 colour photographs;
116 black and white photographs;
ISBN 978 185486 236 5
Paperback £10.95
Classification: Aviation/Modelling/Radio Control Flying

An introductory guide to the booming area of the radio controlled model aircraft hobby: flying silent electric-powered super-lightweight model aircraft indoors and outdoors where space is restricted. Complete illustrated information about building, buying, the technology, flying and choosing suitable sites.

Developments in re-chargeable batteries and electronic systems have revolutionised electric powered radio control aircraft flying in recent years, particularly the lightweight end of the spectrum. Indoor flying with ultraslow flying models of very light weight and now outdoor flight in restricted places is there to be enjoyed by all radio control modellers.

Since the advent of practical electric powered models, German enthusiasts have been in the forefront of their development and Hinrik Schulte has developed a high level of expertise in the design, building and flying of super-lightweights. In Parkflyer, he has laid out the pointers to success in an easy-to-read form for all modellers who wish to join the movement.

The book offers information on building, flying and choosing suitable sites for lightweight outdoor flying models and is packed with hints and tips on the gear and the models of which the author has practical experience.

First published in German by Verlag fur Technik und Handwerk in 2002

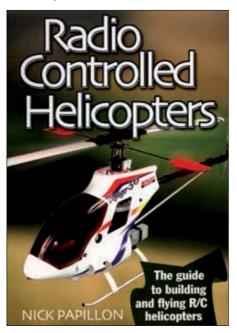
Published in English by Special Interest Model Books in 2005

Contents: Flying When You Feel Like It; Models and Flying — The Basics; Construction Methods for Parkflyers; Model Categories; Propulsion Systems; Batteries for Parkflyers; Chargers for Parkflyers; Radio Components; Parkflyers Reviewed; Even More Fun in the Park; Looking Forward and Looking Back; Useful Addresses.

RADIO CONTROLLED HELICOPTERS

The Guide To Building And Flying R/C Helicopters

Nick Papillon



Specification:
210 x 148 mm;
176 pages;
41 black and white photographs;
19 scale plans and line drawings;
ISBN 978 185486 226 X
Paperback £10.95
Classification: Aviation/Modelling/Radio Control Flying

The guide to building and flying radio controlled helicopters. This is a huge and growing hobby market and newcomers are faced with a dazzling array of helicopters, r/c equipment and accessories. This second edition of the book guides the beginner through the maze. It provides all the essential information on the very latest products, elementary flying and basic aerobatics, routine maintenance, legal aspects of the hobby and joining a local club.

Radio controlled helicopters is a huge and growing market, and the recent developments in the design and manufacture of new models have resulted in wide range of choice which can bewilder newcomers to the hobby - a dazzling array of helicopters, radio equipment and accessories.

This book guides the beginner through the maze. If you are considering taking up this fascinating aspect of model flying, it provides all the essential information you need to take the right decisions. It takes you through all the stages from choice of model and radio control, elementary flying and basic aerobatics, routine maintenance, legal aspects of the hobby and joining a local club. In these pages you will find everything you need to know to choose, build and fly a radio-controlled helicopter.

Originally published by Nexus Special Interests Ltd in 1996

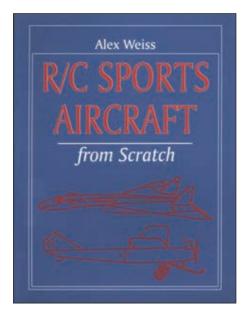
Revised edition published by Special Interest Model Books in 2003

Contents: Advantages of Flying Helicopters; Where to Begin; Choosing the Model; All about Engines; Everything You Need to Know About Radio Systems; All About Rotor Blades; Finding Your Own Flying Site; Accessories and Training Aids; Building a Model;

Installing the Radio; Setting Up the Model; Before Your First Flight; The Day Arrives; Hovering, Circuits and Simple Aerobatics; Routine Maintenance; After a Crash; Scale Models; Conclusions.

R/C SPORTS AIRCRAFT FROM SCRATCH

Alex Weiss



Specification:
246 x 189 mm;
192 pages;
107 black and white photographs;
219 scale plans and line drawings;
12 cartoons;
36 tables of data;
Index;
ISBN 978 185486 140 5
Paperback £14.95

Classification: Aviation/Modelling/Radio Control Flying

A comprehensive book which deals in detail with the design and construction of powered sports model aircraft. It covers everything from material to aerofoil selection, monoplanes to offbeat aircraft, wheel to ski size and the decision of what to build to the first flight and is lavishly illustrated with photographs, detailed line drawings, useful tables and informative graphs.

A comprehensive guide dealing in detail with every imaginable aspect associated with the design, modification and construction of radio-controlled sports model aircraft powered by internal combustion or electric motors. The text helps the modeller who has built one or two kit model aircraft to progress from simple modifications to the creation of unique designs.

The author deals with basic materials, essential aerodynamic considerations, the various constructional methods, the wide range of model configurations and size as well as a broad choice of power plants. The book finishes with tips on drawing plans, getting them published and safely completing the early test flights.

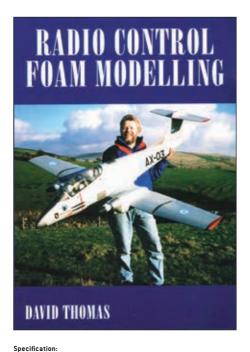
Alex Weiss has been aeromodelling for half a century and has built more than fifty radio-controlled models of which 28 were original designs and 14 were published in RCM&E or Radio Modeller magazines. As well as monoplanes and a biplane, the list includes an autogyro, canards and deltas. He has also written magazine articles on subjects as diverse as four stroke engines and flutter. The author first went solo in a Chipmunk with his University Air Squadron at Tangmere and his early adult life was spent as an RAF pilot, flying Jet Provosts, Vampires and Hunters, including three years as a qualified flying instructor. Much of his professional experience has been dedicated to the complex subject of teaching people to fly radio controlled models.

Published by Nexus Special Interests Ltd in 1996

Contents: Avoiding Maths; Getting Going; Choosing a Configuration; Suitable Size; Providing Power; Defeating Drag; Lots of Lovely Lift; Control Characteristics; Making the Most of Materials; Airframe Alternatives; Control Configurations; Final Finishing Off; Drawing the Design; First Flight; Glossary.

RADIO CONTROL FOAM MODELLING

David Thomas



210x148 mm;
190 pages;
69 black and white photographs;
158 scale plans and line drawings;
7 tables of data;
Index;
ISBN 978 185486 179 5
Paperback £9.95
Classification: Aviation/Modelling/Radio Control Flying

This manual quickly takes the newcomer to foam modelling techniques up to expert level. This completely revised edition describes the choice of foam, materials for strengthening and covering, tools and glues to create not only wings but also fuselages, cowlings, moulding and much more besides.

A comprehensive guide to the use of expanded plastic foam materials in aircraft modelling. This manual quickly takes the newcomer to foam building techniques up to expert level.

Foam is a relatively recent addition to the range of materials used to make model aeroplanes, and many modellers are still not familiar with the necessary information and techniques. The author describes the choice of foam, the materials for strengthening and covering, and tools and glues to create not only wings and fuselages, but also cowlings, mouldings and much more besides.

This revised edition of David Thomas's book has been extensively updated by Sid King, who has a wide experience of foam modelling and foam component fabrication, both as a hobbyist and commercially. Many new tricks and techniques are included, plus the latest information on the many new materials currently used. The book contains a wealth of useful information for new projects and repairs, and scratch-building from foam.

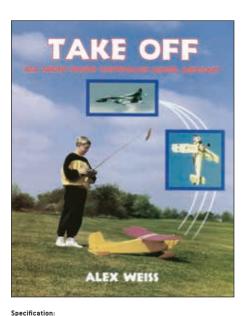
Originally published in 1989 by Argus Books Ltd. Revised Second Edition published in 1999 by Nexus Special Interests Ltd. Special Interest Model Books Edition published in 2010

Contents: Introduction; Basics; Tools, Templates; Cutting Foam Cores; Wing Skinning; Further Skinning Techniques; Alternative Wing Covering; GRP Skins; Laser Method; Joining Wing Panels; Fuselages; Other Uses; Repairs; Aerofoils.

TAKE OFF

All About Radio Controlled Model Aircraft

Alex Weiss



236 x 189 mm;
256 pages;
216 black and white photographs;
160 scale plans and line drawings;
19 cartoons;
20 tables of data;
Index;
ISBN 978 185486 166 5
Paperback £16.95

Classification: Aviation/Modelling/Radio Control Flying

A complete and comprehensive guide to radio controlled model aircraft, written with both the beginner and experienced modeller in mind. A logical book that covers every aspect from how to choose the right model, engine and R/C, how to build a basic trainer model with useful information on materials and construction.

A complete and comprehensive guide to the popular hobby of radio controlled model aircraft, written with both the beginner and the experienced modeller in mind.

It covers, in a logical order, every aspect from how to enter the hobby and choose the right model, engine and how to build a basic trainer model. It is full of useful information on materials and construction techniques.

A significant part of the author's instruction deals with learning to fly. He covers both the essential and the advanced manoeuvres and aerobatics, and also more specialist areas such as electric flight, gliders, autogyros and helicopters, advanced models for aerobatics, pylon racing, ducted fan powered models and turbojets.

Lavishly illustrated with amusing cartoons, detailed line drawings and informative photographs, the book examines every aspect of radio modelling in a simple and straightforward manner.

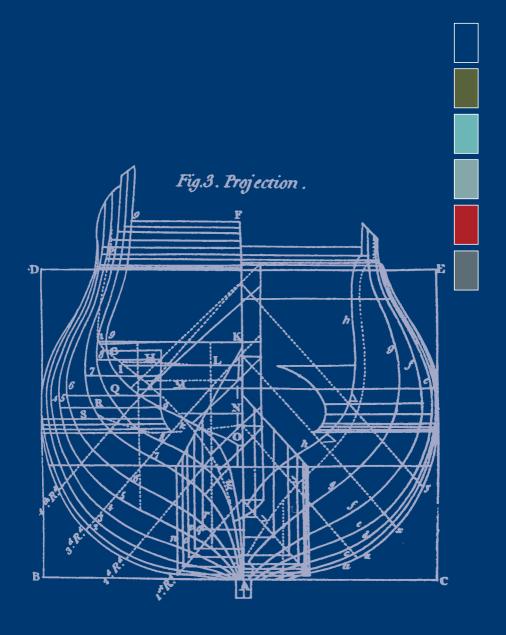
Alex Weiss has been aeromodelling for half a century and has built more than fifty radio-controlled models of which 28 were original designs and 14 were published in RCM&E or Radio Modeller magazines. As well as monoplanes and a biplane, the list includes an autogyro, canards and deltas. He has also written magazine articles on subjects as diverse as four stroke engines and flutter. Much of his professional experience has been dedicated to the complex subject of teaching people to fly radio controlled models.

Originally published in 1998 by Nexus Special Interests Ltd. $\label{eq:continuous}$

Special Interest Model Books Edition published in 2004

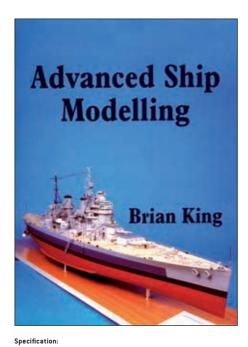
Contents: Getting Started; What You Need To Know; Basic Materials; Building Your Model; Finishing the Model; Radio Equipment; Connecting the Controls; Providing the Power; Electric Flight; What to Build; Building the Hi-Boy and the Cub; Preparing to get Airborne; Airborne at Last; Once You're Solo; Getting More Advanced; Gliders; Autogyros and Helicopters; Bibliography; Specialist Organisations; Glossary of Terms.

SHIPS



ADVANCED SHIP MODELLING

Brian King



267 x 197 mm;
126 pages;
62 colour photographs;
120 black and white photographs;
62 scale plans & line drawings;
ISBN 978 185486 197 9
Paperback £ 16.95;
Classification: Model Ships/Maritime Modelling

This book tackles advanced theory and practice for the maritime modeller and the author's own philosophy on model-making. Largely based on the author's own very complicated modelling projects, including Victorian warships, 20th century warships, as well as scale model RNLI lifeboats.

Brian King has spent a lifetime either thinking of, or actually building, model boats. This book is the result of that life's work, as well as 25 years' experience as a trained engineer and a college lecturer in engineering.

It tackles advanced theory and practice for the maritime modeller and the author's own philosophy on model-making. The book covers the philosophy of model-making; building static and working models, researching sources of information and reading drawings. In the workshop, the projects involve materials, hulls, superstructure and decks, armament, ships' boats, finishing and painting, etching and making glass display cases.

The advanced theory and technique in this book is largely based on the author's own very complicated modelling projects, including Victorian warships
Devastation and Magnificent, 20th century ships Belfast and Queen Elizabeth, the pre-war aircraft carrier Glorious and the battleship Anson, as well as scale model RNLI lifeboats including Grace Darling's famous coble.

Originally published by Nexus Special Interests Ltd in 2000

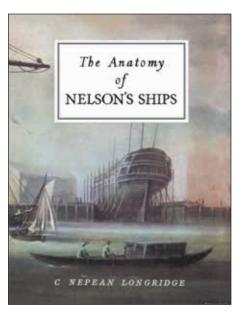
Special Interest Model Books edition published in 2002

Contents: Introduction; Sources of Information; Workshops; Materials; Hulls; Superstructure and Decks; Armament; Ship's Boats and Aircraft; Finishing and Painting; Glass Reinforced Plastic Work; Etching; Glass Cases.

SHIPS

THE ANATOMY OF NELSON'S SHIPS

C. Nepean Longridge



Specification:
239 x 178 mm;
327 pages;
50 black and white photographs;
183 line drawings;
12 fold-out scale plans;
ISBN 978 185486 122 1
Jacketed Hardback £ 40.00
Classification: Model Ships/Maritime Modelling

The naval archives containing records of Horatio Nelson's ships were researched in detail by Dr. Longridge to produce this classic book. His expert text is supported by 271 detailed line drawings, rare photographs and unique fold-out plans showing hull framing, interior construction, complex rigging and deck layouts. Anyone interested in ships, naval architecture or ship modelling will find this book invaluable.

Nelson's history has been written from every possible angle, but this is not so with his ships. Such information as there is about the ships is buried in contemporary books on naval architecture; only the expert can sift it and present it in a usable form. In doing this, Dr. Longridge's 1955 work quickly became a veritable treasure trove for the naval historian and ship modeler. H.M.S. Victory is the supreme example of the ships of the period, and fortunately she is still in existence. The original draughts of 1765 have been preserved, as have also the drawings used in the restoration of the ship in 1922. The author was thus able to compile from authentic sources and his model of the Victory now occupies a prominent position in the Science Museum at South Kensington.

The illustrations are a unique feature. They include a set of photographs showing the interior construction of H.M.S. Victory and H.M.S. Implacable, the latter being taken only a few days before she was scuttled.

The book features over 180 line drawings, designed by E. Bowness, A.R.I.N.A., and executed by G.F. Campbell, Assoc. M.R.I.N.A., ranging from elaborate perspective drawings of the complex gear at the fore top and crosstrees to the simplest detail. The folding plates by G.F. Campbell (which measure 560 x 400 mm and 235 x 450 mm) include lines, inboard and outboard profile, deck plans of the hull, standing and running rigging plans, and a complete belaying pin plan. Such an analysis of the ship of this period had never before been attempted.

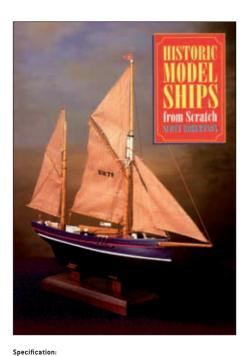
Originally published in 1955 by Percival Marshall & Co. Fourteen Impressions 1961-1999 by Model & Allied Publications, Argus Books and Nexus Special Interests. Special Interest Model Books edition published in 2004

Contents: Preface; Part One - The Hull; Construction of Ships of the Period; Framing of the Model; Planking and Coppering; Decks and Other Details; Head and Stern; Upper Deck; Guns and Deck Details; Quarter

Deck; Other Hull Details; Assembly; Part Two - The Rigging; Masts and Spars; Rigging; Standing Rigging; Running Rigging.

HISTORIC MODEL SHIPS FROM SCRATCH

Scott Robertson



297 x 210 mm;
128 pages;
10 colour photographs;
162 black and white photographs;
159 line drawings;
31 scale plans;
ISBN 978 185486 187 0
Paperback £ 16.95
Classification: Model Ships/Maritime Modelling

This is Scott Robertson's second book on the subject in which the reader is given a wide variety of interesting facts and instructions on building and rigging historic model ships. Packed with detailed drawings, photographs and references with close-ups of deck details and fittings, this book is a comprehensive guide for beginners and amateur modelmakers.

Building model ships from scratch is a fascinating and inexpensive hobby. One of the oldest crafts, it was performed with the barest of tools and materials by mariners on the high seas - and also by prisoners of war in Napoleonic times.

This is a sequel to the author's first book Model Ships From Scratch. Here you are given a wide variety of interesting facts and instructions including the old pastime of putting a model ship into a bottle. The different ways of making the hulls of model ships and boats, together with rigging, are explained. Throughout the book model plan references are noted for the different types of ships covered.

Packed with detailed drawings and photographs of many model ships made by the author, plus close-ups of deck details and fittings, this book is a comprehensive guide to the craft for both beginners and amateur modelmakers.

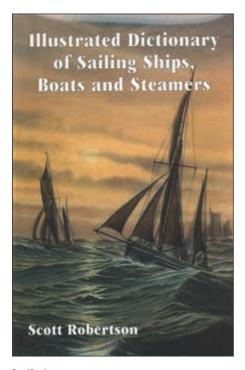
Published in 1998 by Nexus Special Interests Ltd.

Contents: Ships in Bottles; Construction of a Trafalgar Ship; Other Capital Ships; Another Look at Barges; Gloucester Schooners and other American Craft; Alabama III Model Construction; Ships' Boats and Nautical Dioramas; Steamers and Paddle Steamers; 'C' Class Destroyer and Modern Ships Reflecting the Past; Ships' Deck Detailing; Systems of Hull Building; Half-Block Models and the Mounting of Models; Rigging Your Models; Sailmaking; The Ships of Christopher Columbus and Sir Francis Drake; Old Ships Make Interesting Models; Sailing Trawlers Old and New; Glossary of Terms; Bibliography; Useful Addresses.

SHIPS

ILLUSTRATED DICTIONARY OF SAILING SHIPS, BOATS AND STEAMERS 1300 BC to 1900 AD

Scott Robertson



Specification:
240 x 160 mm;
144 pages;
6 black and white photographs;
209 line drawings;
ISBN 978 185486 202 0
Jacketed Hardback £ 16.95
Classification: Model Ships/Maritime Modelling

An extraordinary illustrated encyclopaedia of historic ship types from 1300 BC to AD 1900. The quick-reference layout guides the reader to the author's own illustration to each ship type, with a text briefly describing the name, type, rough date and purpose of each craft.

Old Sailors loved nothing better than vying with one another at sea or in harbour to recognise a ship or boat on the horizon. It was sometimes an important lifesaving talent to have in battle. Modern boat enthusiasts, including yachtsmen and fishermen, still like to indulge in this ancient skill.

There have been many thousands of water vessels developed within the last three and a half thousand years, from the simple wooden log or dug-out to the huge sophisticated ships of Brunel and other nineteenth century designers.

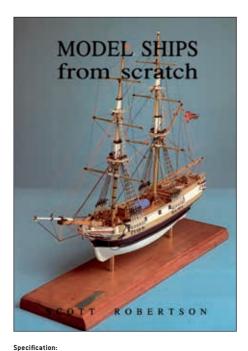
This is the realisation of author's intention to give readers a simple, quick reference book, illustrating 110 of these old ships and boats up to the turn of the twentieth century. They fall into the general categories of Ancient Craft, Sailing Ships, Small Sailing Boats and Craft and Steam Ships. The result is a handy book for those many enthusiasts who love the sea and would like to know more about these old and interesting vessels.

Published in 2000 by Nexus Special Interests Ltd.

Contents: Ancient Craft; Sailing Ships; Sailing Clippers; Fleutes; Frigates; Elizabethan Galleons; Capital Warships; Pilot Boats; Whaling Boats; Schooners; Sailing Barges; Junks; Luggers; Lifeboats; Sloops; Cutters; Smacks; Trawlers; Steam Ships; Steam Paddle Boats; Channel Steamers; Transatlantic Steamers; Ships' Boats; Traditional Rigs & Hull Types; Ships' Ordnance; Glossary of Terms;

MODEL SHIPS FROM SCRATCH

Scott Robertson



297 x 210 mm;
150 pages;
8 colour photographs;
60 black and white photographs;
87 scale diagrams and line drawings;
158N 978 185486 105 4
Paperback £ 16.95
Classification: Model Ships/Maritime Modelling

The author takes you by the hand and shows you how you can build an end product of fascination, history, skill and value using low-cost materials and a minimum of tools from scratch. The text is packed with useful hints and tips which, together with a number of detailed drawings and photographs, provides a very practical guide to the art and craft of model ship-building.

Model ship building does not have to be an expensive hobby. The author takes you by the hand on a journey through one of the oldest crafts - nowadays a hobby - and shows how you can build an end product of fascination, history, skill and value using low-cost materials and a minimum of tools - from 'scratch' in fact.

The book starts by explaining hull lines and hull construction methods, then moves on to masts, yards, booms and gaffs, deck equipment and furniture, anchors, rigging and blocks, armament and simple sail making. Finally instruction is given to painting, mounting and displaying the models.

The author's text is packed with useful hints and tips derived from his lifetime of modelling which, together with the large number of detailed drawings and photographs depicting many of the ship models in his collection, some showing useful close-ups on details and fittings, provides a very practical guide to the art and craft of model ship building.

Projects: Sailing Barges; Thames Coastal Barge; Thames River Barge; 'Stumpy' Barge; Humber Keel; Norfolk Wherry; Dutch Barge; The Brig Nielsen, built 1824.

Originally published in 1994 by Argus Books Ltd.
Nexus Special Interests edition published in 1996

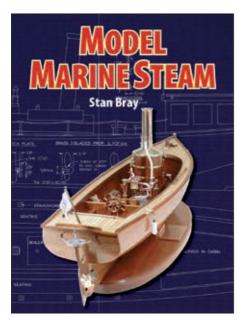
Contents: Finding a Plan; Understanding Ship Plans; Solid Carved Form Hulls; Slab or Sandwich Form Hulls; Framed and Planked Form; Keel, Stem and Sternpost; Deck Support Beam; Bulwarks, Gunwales and Rail Tops; Bulkhead Frames; Rough Assembly of Hull Framework; Fixing the Planking; Notes on Material Planking; Hull Finishing; Planking the Deck; Solid Carved Form; Fixing Keel, Stem and Sternpost; Building Up Other Decks and Bulwarks; Wales and Strakes; Fitting Out; Masts; Tops and Crosstrees;

Booms and Gaffs; Fittings on Gaff and Booms; Yards; Jackstays; Double Topsail; Bulwarks; Kevels; Gangways and Handrails; Deck Equipment and Furniture; Hatches, Skylights and Davits; Ship's Boats; Channels and Chainplates; Deadeyes; Rudders and Steering Gear; Fife Rails; Anchors; Hammock Nettings; Notes on Painting; Rigging; Armaments; Gunport Lids; Mortar; Swivel Pivot Guns; Carronade; Tools You Will Need; Simple Sail Making; Mounting Model Ship; Useful Addresses; Bibliography; Glossary of Terms.

MODEL MARINE STEAM

Revised Edition

Stan Bray



Specification:
297 x 210 mm;
144 pages;
61 black and white photographs;
78 scale diagrams and line drawings;
ISBN 978 185486 245 7
Paperback £ 19.95
Classification: Model Ships/Maritime Modelling

This book provides all the information any ship modeller interested in powering a model boat using live steam will need: both the basic theory covering the steam power plant and fully detailed drawings for the construction of simple and advanced steam engines, boilers and ancillary equipment.

This book provides all the information any ship modeller interested in powering a model boat using live steam will need. It offers both the basic theory covering the steam power plant and fully detailed drawings for the construction of simple and advanced steam engines, boilers and ancillary equipment.

There has been a huge growth in interest in live steampowered model boats in recent years but modellers have endured a dearth of practical construction drawings for suitable steam plants. Here, the author covers many types of engine from simple oscillating cylinder types to piston and poppet valve engines and the application of radio control to the management of the boiler and engine.

The projects (which all include detailed scale plans) include simple single cylinder oscillating engines, multiple cylinder oscillating engines, single and multiple cylindered slide valve engines, piston and poppet valve engines, boiler construction and heat sources, control units, reversing systems, radio control valves, and the mounting of engine and boiler units into model boats.

Stan Bray is a model engineer, formerly editor of Model Engineers' Workshop magazine and the author of many books covering subjects from clockmaking to machine shop techniques.

This new edition features:

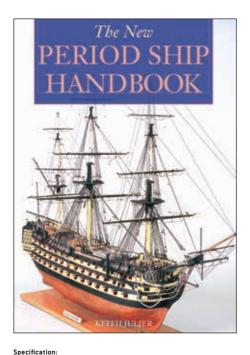
- · Digitally re-originated photographs
- · Recreated and revised plans
- · Additional new engineering plans

Published in 2006 by Special Interest Model Books Revised Edition 2016

Contents: Steam Plant Design; Boiler Water; General Construction; Oscillating Engine; Slide Valve Engine; Miscellaneous Engines; Model Marine Boilers; Boiler Design and Construction; Boiler Fittings; Boiler Firing Methods; Boiler Feed Water Pumps; Steam Engine Lubriction; Going Astern; Valve Gear; Steam Turbines; Paddle Steamers; Automatic Controls; In Conclusion.

THE NEW PERIOD SHIP HANDBOOK

Keith Julier



297 x 210 mm;
210 pages;
12 colour photographs;
239 black and white photographs;
50 scale diagrams and line drawings;
Index;
ISBN 978 185486 233 4
Paperback £ 19.95
Classification: Model Ships/Maritime Modelling

A completely revised edition of the Period Ship Handbook, originally published in 1992. The basic modelling instructions have been comprehensively updated and all nine model projects are brand new, as are all the colour and black and white illustrations. New models include HMS Victory and the Victory's Launch, the Lady Nelson and HMS Mars.

In this revised edition of the Period Ship Handbook, the best of the original has been retained: a well-illustrated guide to the construction of static model sailing ships and the offer to the beginner of all the information needed to get started in this fascinating hobby.

It also continues to introduce the more experienced model-maker to alternative techniques, well tried over many years of model shipbuilding.

Significant additions have been made to the original text as a result of a further twelve years of model-making experience and developments within the kit producing trade and the availability of new subjects.

Following chapters on kit selection, tools and material, the emphasis of the book moves to the practical application of the model-making procedures involved in producing high quality models. The new models selected to demonstrate these techniques range form the relatively simple to the very complex but all are constructed from kits currently available, without the facility of a sophisticated workshop.

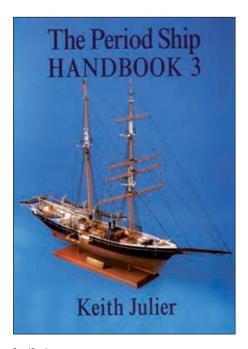
Whether you are a beginner or an old hand, whether you fancy the graceful lines of a "J" Class yacht or the intricate detail and historical accuracy of HMS Victory, there is something here for you.

Published by Special Interest Model Books in 2004

Contents: The Tool Box; Choosing the Kit; Making a Start; H.M.S. Victory; H.M. Cutter Lady Nelson; H.M.S. Mars; J-Class Yacht Endeavour; Armed Transport Bounty; H.M.S. Agamemnon; English Carronade; H.M. Barque Endeavour; H.M.S. Victory's Launch; Summary of Practical Notes; Sources and Suppliers.

THE PERIOD SHIP HANDBOOK 3

Keith Julier



Specification:
297 x 210 mm;
190 pages;
10 colour photographs;
245 black and white photographs;
8 scale diagrams and line drawings;
Index;
ISBN 978 185486 200 6
Paperback £ 16.95
Classification: Model Ships/Maritime Modelling

From the simple to the sophisticated, a detailed look at the making of ten new static model ship projects which demonstrate the transition from kits to scratch building. Third volume in this successful modelling series, acclaimed world-wide.

From the simple to the sophisticated, a detailed look at the making of ten new static model ship projects which demonstrate the transition from kits to scratch building.

Chapters dedicated to the building of each vessel lead the model maker through the various phases of construction, advising on both the methods and procedures required to build models up to exhibition standard.

The range of subjects extends from the simple Bounty's Jolly Boat to HMS Bounty itself. The huge San Felipe is representative of the Spanish warship of the late 17th century, and the 1:48 scale Viola takes the modeller into the fascinating world of early twentieth century American whaling. A later chapter summarises rigging terminology and modelling techniques - that part of the building process that unjustifiably deters many from delving into the most satisfying hobby of static model sailing ships.

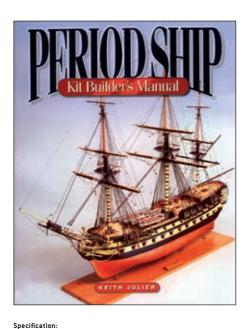
Originally published in 2000 by Nexus Special Interests Ltd

Special Interest Model Books Edition published in 2004

Contents: 74-Gun Bellona; H.M.S. Unicorn; English Brig Portsmouth; See Ewer Elbe; Spanish 17th Century 104-Gun San Felipe; H.M.S. Bounty's Jolly Boat; H.M.S. Victory Section - Main Section; Pride of Baltimore II, 1988; Armed Transport Bounty; American Whaling Brig Viola; Another Look at Rigging.

PERIOD SHIP KIT BUILDER'S MANUAL

Keith Julier



297 x 210 mm;
142 pages;
10 colour photographs;
98 black and white photographs;
18 scale diagrams and line drawings;
Index;
ISBN 978 185486 228 0
Paperback £ 16.95
Classification: Model Ships/Maritime Modelling

A practical manual for marine model makers who choose to build their historic model ships using a kit. Beginners and intermediate modellers are particularly catered for, but older hands will also find much of interest. This book takes the builder through all the various stages of the project, from kit selection through construction; the pitfalls and how to avoid them

A practical manual for marine model makers who choose to build their historic model ships using a kit. Beginners and intermediate modellers are particularly catered for, but older hands will also find much of interest.

From the moment the first thought is given about making a model ship, this book takes the builder through all the various stages of the project, from kit selection through construction; the pitfalls and how to avoid them.

Much of the myth and mystery is taken out from what many consider to be a tricky subject, and the language and terminology is simple and explanatory throughout. 100 photographs support important steps in the text and these will provide the model maker with the encouragement to go on and enjoy the construction of a wide range of period ship models.

Keith Julier is the author of three previous Period Ship Handbooks for the publisher, all with worldwide sales for over ten years.

Published by Special Interest Model Books in 2003

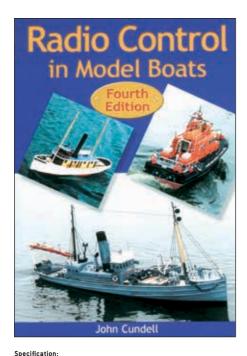
Contents: Choosing your kit; Adhesives, Finishes & Fixings; Tools, Maintenance & Safety; Research, History and Accuracy; Building the Basic Carcass; Hull Planking; Deck Planking; Wales and Rails; Stern

& Quarter Galleries; Gun Ports; Deck & Hull Fittings; Guns & Rigging; Ships' Boats; Masts & Bowsprit; Yards & Spars; Sails; Standard & Running Rigging; Kit Manufacturers & Available Products.

RADIO CONTROL IN MODEL BOATS

Fourth Revised Edition

John Cundell



210 x 148 mm;
184 pages;
127 black and white photographs;
46 scale diagrams and line drawings;
Index;
ISBN 978 185486 231 0
Paperback £ 9.95
Classification: Model Ships/Maritime Modelling

This long-established book answers all the questions likely to be asked by the unsuspecting newcomer to radio control. If you follow the simple procedures which are clearly explained, you will undoubtedly be on the road to success in this fascinating hobby. The latest edition brings you right up to date with the latest technology and developments.

Radio controlled model boating began to establish itself as a popular hobby in the 1950s and there was great excitement, even credulity, among onlookers when they realised that a model was responding to commands sent from a radio transmitter. Nowadays a bystander is more suspect if a model does not have radio control!

In the interim, the equipment used has made great strides to the point where the user has little more to do than fit batteries and plug the components together. No technical knowledge whatsoever is required. However, guidance is needed to install the equipment in the model and to learn how to use it to best advantage.

John Cundell is an author and journalist with many years of boat modelling at national and international level. In his capacity as editor of Model Boats magazine, he is very aware of the type of questions likely to be asked by the less experienced and knows the problem areas likely to be encountered by the unsuspecting newcomer to the hobby.

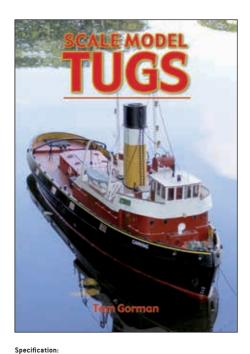
This book, first published in 1986, is a totally practical book and in this fourth revised edition, it brings you right up to date with the latest developments. If you carefully follow the simple procedures which are clearly explained you will undoubtedly be on the road to success in this fascinating hobby.

Originally published in 1986 by Argus Books Ltd.
Second Revised Edition 1989
Third Revised Edition published in 1996 by Nexus
Special Interests Ltd
Fourth Revised Edition published in 2003 by Special
Interest Model Books

Contents: Wavelengths; The System; The Model; Kit or Scratch; Installations in Scale Model Boats; Installations in Racing Boats; Installations in Model Yachts; Specialities; The Power Pack; Operation and Maintenance; Clubs and Courses; Soldering - Soft and Hard; Useful Facts and Figures; Wire Sizes; Microswitch Circuits; Manufacturers.

SCALE MODEL TUGS

Tom Gorman



297 x 210 mm;
144 pages;
156 black and white photographs;
55 line drawings and scale plans;
6 tables of data;
ISBN 978 185486 255 6
Paperback £14.95
Classification: Model Ships/Maritime Modelling

A practical illustrated guide to making scale model tug boats, offering information and guidance in line with the very latest developments in tug technology and design, and modern advances in model building.

A practical illustrated guide to making scale model tug boats, offering information and guidance in line with the very latest developments in tug technology and design, and modern advances in model building. It covers scratch building, kits and mixing the two.

The first six chapters are devoted to tugs in general, arranged by the duties for which each type of tug is designed. Subsequent chapters cover the details of scale modelling.

This book is an enlargement and substantial revision of the tug material which appeared in the author's previous book Scale Model Tugs & Trawlers (Nexus Special Interests, 1999). Illustrated with original photographs and plans, it has been compiled from a wealth of practical experience and material gathered by experienced professional ship modeller Tom Gorman.

Tom Gorman has spent a lifetime working with small vessels out of Hull and Grimsby on the east coast of England and knows every rivet and bolt of their structure. His enviable reputation as a maritime modeller is the result of numerous medals from craft and model fairs, and his numerous commissions as a modeller.

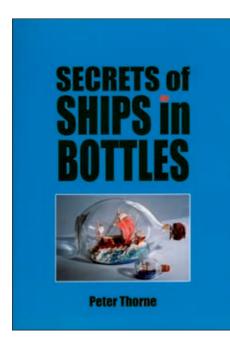
Published by Special Interest Model Books in 2009

Contents: Tugs in General; Harbour Tugs; Coastal Tugs, Estuary Tugs and Tenders; Ocean-Going and Salvage Tugs; Small Tugs, Drive Gear and Towing; Materials; Tools and Equipment; Building the Model Tug; Electric Motors and Batteries; Steam Engines and Boilers; Control Equipment; Deck Details and

Machinery; Painting and Finishing; Sailing and Competition; Useful Conversion Factors; Suppliers and Publications; Radio Control Frequencies; Properties of Saturated Steam; Navigation Light Details.

SECRETS OF SHIPS IN BOTTLES

Peter Thorne



Specification:
210 x 148 mm;
140 pages;
6 colour photographs;
38 black and white photographs;
313 line drawings and scale plans;
ISBN 978 185486 193 1
Paperback £9.95
Classification: Model Ships/Maritime Modelling

Contents: The Bottle; Uses of a Drawing; Preparing the Hull; Deck Fittings; Making the Masts; Deckhouses and Lifeboats; Rigging, Laying out the

This book explains in clearly illustrated easy to follow steps the intriguing techniques of placing a model ship inside a bottle. First published in 1960 and considered a maritime modelling classic, it has now been completely updated with new chapters, including one covering the making of a model of the famous Kon-Tiki raft sailed by Thor Heyerdahl.

Putting a ship into a bottle is probably one of the most fascinating models it is possible to make and has intrigued people down the centuries. Secrets of Ships in Bottles, a maritime modelling classic originally published in 1960, explains in easy-to-follow instructions the methods and procedures involved. This completely updated edition includes new chapters including one on making a model of the famous Kon Tiki raft sailed by Thor Heyerdahl. It is fully illustrated with photographs and line drawings by the author, artist and illustrator Peter Thorne.

The book suggests variations to the ship models actually shown in the book, such as five-masted schooner or a single-masted cutter; these would be based on the reader's own appreciation of maritime history. Also included in this edition is a detailed description and illustrations showing you how to carve and French polish a "dolphin-like" fish - an ideal gift for an admiring beholder, perhaps?

Peter Thorne has worked with various mediums but has found wood to be one of the most satisfying and rewarding. Not only will you get pleasure from making your own ship-in-a-bottle model or wood carving, but also a great deal of achievement. If you really get hooked, you will want to make both!

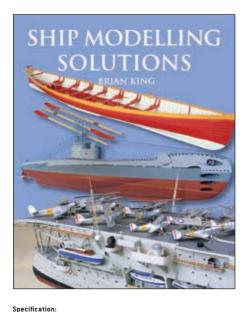
Originally published in 1960 by Model and Allied Publications

Second revised edition published in 1999 by Nexus Special Interests Ltd

Sails; Finishing the Model; Ship in a Globe; Making the Kon Tiki Raft; Putting the Raft into a Bottle; Carving a Fish; Making the Base.

SHIP MODELLING SOLUTIONS

Brian King



236 x 189 mm;
186 pages;
142 black and white photographs;
38 line drawings and scale plans;
2 tables of data;
ISBN 978 185486 247 1
Paperback £14.95
Classification: Model Ships/Maritime Modelling

A compilation of material originally published in the specialist hobby magazine Model Boats in which master modeller Brian King has passed on many gems of detailed experience to would-be builders of ship models. A lifetime of ship modelling experience is contained within these pages.

Brian King has earned an international reputation for the quality of his models, all built using skills initially learned during a 5-year craft apprentice-ship when he acquired the basic practical skills in both wood and metal work. These skills, allied to a natural talent, have resulted in his very complicated models of large battleships from all eras.

This book is a compilation of material originally published in the specialist hobby magazine Model Boats in which the master modeller has passed on many gems of experience to would-be builders of ship models, including anchors, gun barrels, portholes, decking, rudders, propellors, fittings; turrets; basic hulls; close-up on life saving gear; cowl ventilators; computers and modelling, photographing your models and working to dimensions

A lifetime of modelling experience is contained within these pages. There are few modellers, expert or novice, who will not benefit from this opportunity to read and learn. Previous books by Brian King include Advanced Ship Modelling (2000; 1-85486-122-0) and Photo Etching (2005; 1-85486-237-5)

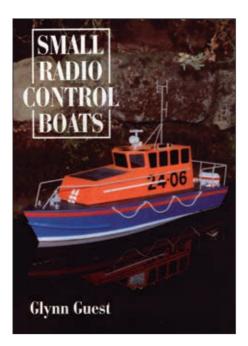
Published in 2007 by Special Interest Model Books

Contents: Introduction; Photo Etching for the Clueless; Toolin' up – Jigs; Toolin' up – Fixtures; Press Tooling; Working to Dimensions; The Art of the Masque; Acquiring a Finish; The Black Art of Soldering; Lathe Problems; Odds and Sods – Rifflers, Files, Drilling Perspex, Paint Spraying using the Lathe; Davits; Aerosol Paint Spraying; Cowl Ventilators; Main Armament; Fittings; Developing Compound Angled Shapes; Shrouds and Ratlines; Ship's Boats – Open

Boats; Ship's Boats — Closed Boats; The Bread and Butter Hull; Finishing the Hull; Rudders; Propellers; Seeking Information? Anchors; Problems, Problems! — Turret Shapes, Points of Rotation, Construction Materials; Decking; Gun Barrels; Computers and Modelling; Life Saving Gear; Portholes; Photographing your Models; Fittings; Making Plastic Castings; Lines and Sections; Idea Development; Simulation; Ladders; Bending and Folding.

SMALL RADIO CONTROL BOATS

Glynn Guest



Specification:
297 x 210 mm;
96 pages;
40 black and white photographs;
134 line drawings and scale plans;
ISBN 978 185486 171 9
Paperback £9.95
Classification: Model Ships/Maritime Modelling

Over the past couple of decades radio control equipment has become more reliable, cheaper and smaller. The latter means that large models are no longer required to carry the bulky items that made up early radio control equipment, so smaller models can be built more quickly at a lower cost.

Over the past couple of decades radio control equipment has become more reliable, cheaper and smaller. The latter means that large models are no longer required to carry the bulky items that made up early radio control equipment, so smaller models can be built more quickly at a lower cost.

It might be thought that a smaller model might not perform as well as a large one but after designing and building twenty such small models the author has not found this to be a problem. In fact, the speed and economy with which they can be built has proven to be at a great advantage in that new ideas can be tried out before being used in larger models.

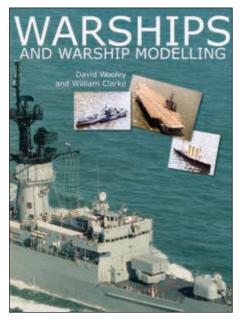
This book details several different models, some of which have previously appeared in Model Boats magazine, which show that a small size and simple design does not mean inferior appearance or performance. It is also possible to scale up the plans to make larger models to suit your tastes.

Published in 1998 by Nexus Special Interests Ltd Special Interest Model Books edition published 2005

Contents: Introduction; Basic Terms; Balsawood; Card; Cutting; Sanding; Adhesives and Joints; Finishing; Propulsion; Propellor Assemblies; Installation; Rudder Assembly; Radio Installation; Batteries; Speed Control; Internal Installation; Building Time. The Models: Arcady; Talisman; Knocker White; YSD; Bredette; Jenny Sue; ATCH; Guardian; Electron.

WARSHIPS AND WARSHIP MODELLING

David Wooley and William Clarke



Specification:
305 x 229 mm;
192 pages;
29 colour photographs;
374 b+w photographs;
22 line drawings;
ISBN 978 185486 240 2
Jacketed Hardback £ 19.95;
Classification: Model Ships/Maritime Modelling

This is a book which will appeal equally to naval enthusiasts and ship modellers. It offers an overview of the design, development and classification of modern warship types and it studies the constructors' original models, explaining why and how they were made. The reader is shown how to research and select information on specific ships and how to find and understand plans.

The book then turns to scale modelling with detailed chapters on choosing a subject, a scale, methods of construction (scratch or kit?), materials and techniques and the details of fittings and painting. The book leaves the reader with a deeper insight into the direct relationship between the full sized vessel and the realistic scale model or working model.

The work presents an overview of the design, development and classification of modern warship types and offers an appreciation of the complex structures associated with real warship designs and how they can be related to those on warship models. It is illustrated by over 100 of the authors' fine quality photographs, many of which have never been published before.

David Wooley is from the Wirral, with family connections to the local Cammel Laird shipyard at Birkenhead where, as a boy, the sight of regular ship launches kindled a lifelong passion for warships and ship modelling.

William Clarke was born in Washington DC and has spent most of his working career at NAS Langley with a technical background in electrical engineering, finally retiring from NASA in 1995 after 35 years service.

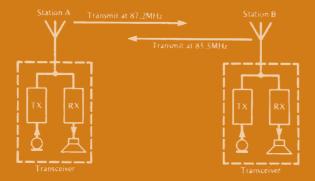
Published in 2006 by Special Interest Model Books

Contents: The Warship; Constructors' Models; Research, Plans and Helpful Publications; Getting the Best from a Workshop; Choice of Subject and Constructional Materials; Internal Fitting Out; Techniques for Building Weather Decks and

Superstructures; Fittings, Etched Work and Castings; Painting and Camouflage; Preparation and Operation of Working Model Warships; Glossary of Terms; Sources of Information; Specialist Manufacturers and Suppliers.

AMATEUR RADIO

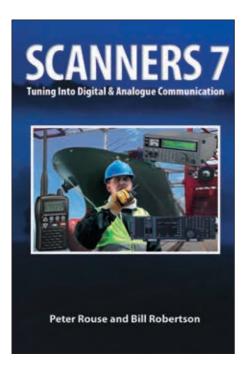
The 'Scanners' series of books have been consistent bestsellers, being the UK's leading guides to receiving equipment employed by enthusiasts to monitor the short wave and VHF/UHF wavebands used by airfields, maritime and rescue services, and analogue and digital two-way private mobile radio systems.



SCANNERS 7

Tuning Into Digital & Analogue Communication Seventh Revised & Updated Edition

Peter Rouse and Bill Robertson



Specification:
234x150 mm;
247 pages;
96 black and white photographs;
18 line drawings;
62 tables of data;
Index;
ISBN 978 185486 272 3
Paperback £ 9.95
Classification: Amateur Radio/Electronics

Contents: What Can I Legally Listen To? Cautionary
Advice; Confiscations; Digital Revolution in TwoWay radio; PCs, Netbooks and Smartphones;
Understanding Radio; Receivers and Scanners
— What Are They and What Do They Do? Antennas;
Radio Systems Explained; Digital Two-Way Radio

Scanners 7 is the UK's leading guide to the short wave radio equipment employed by enthusiasts to monitor the VHF/UHF wavebands used by airfields, the maritime and emergency services and latterly RT/mobile telephone networks.

This new (seventh) edition covers the rapidly increasing trend towards digital two-way radio communications and the latest handheld and mobile/base scanners with some digital modes fitted. It has been fully re-written and updated to include the latest UK radio frequency listings and call signs for airports, maritime and emergency services and other professional organisations.

The book covers the latest shifts in the hobby towards digital and PC- and tablet-controlled radio technology and illustrates the very latest commercial radio scanning equipment and accessories. Included are details of an increasing number of 'apps' for smartphones specifically for radio data decoding, including programs for digital scanner communications decoding for which a smartphone can be linked to an existing scanner radio to decode.

Other innovations include TETRA as used by police, ambulance, fire and rescue services, and DMR modes such as Mototrbo. It is predicted that by 2016, fifty per cent of two-way radio communication in the UK will use digital modes.

Peter Rouse was the pioneering guru of the VHF/UHF listening hobby. He wrote the first edition of Scanners for Argus Books in 1986. He was a professional broadcaster, a BBC radio producer and he went on to work in the radio and electronics industry as an engineer and designer. Peter Rouse died in 1993.

Bill Robertson is the UK's foremost writer on radio scanners, having had a monthly column in the national press for over a decade.

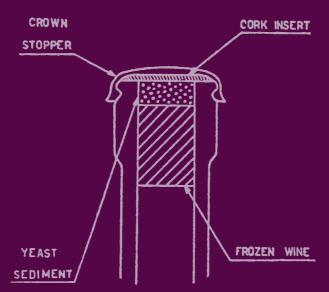
Published by Special Interest Model Books in 2013 Previous edition details: Scanners 5 (2006) 978 185486 244 0

Scanners 6 (2009) 978 185486 257 0

Systems; RT Procedure; UK Frequency Allocations; Satellites on Your Scanner; PCs and Smartphones with Your Scanner; Scanner and Accessories Review; UK Scanner and Accessory Manufacturers, Distributors and Retailers.

AMATEUR WINEMAKER BOOKS

Bestselling homebrewing and winemaking books for over fifty years



Encapsulated sediment prior to disgorging

FIRST STEPS IN WINEMAKING

C. J. J. Berry

C.J.J. Berry

FIRST STEPS in WINEMAKING

Specification:
210 x 148mm;
238 pages;
47 black and white photographs;
2 line drawings;
4 tables of data;
Index;
ISBN 978 185486 139 9
Paperback £6.95

ISBN 978 185486 139 9
Paperback £6.95
Classification: Country Crafts/Home Winemaking
Not available in North America

Contents: About This Book; A Fascinating Craft;
What You Will Nood, Paging manter Wine Vacabulance

This book is universally known as the 'winemaker's bible'. This new, completely updated edition with a total sales record of over 3 million copies sold, sets out in metric, imperial and American measures some 150 detailed recipes, all arranged in the months best suited for their making so that winemaking can be pursued all year round. An inspiration to all beginners in winemaking.

This book is universally known as the "winemaker's bible". Over three million beginners have been happily launched into the fascinating hobby of winemaking by successive editions of this practical guide.

This completely updated ninth edition sets out in metric, imperial and American measures some 150 detailed recipes, all arranged in the months best suited for their making so that winemaking can be pursued all year round.

Wines from fruit, flowers, vegetables, foliage and kits are all dealt with, and for the more advanced winemaker there are notes on making wines in bulk, showing wine and judging

First published in 1960, and with over three million copies sold since then, this book is an inspiration to all beginners in winemaking.

Cyril John James Berry was one of Britain's leading amateur winemakers, co-founder of the first Winemaker's Circle, founder Chairman of the National Association of Winemakers and Brewers and Editor-Publisher of the monthly magazine *The Amateur Winemaker* which he ran for 27 years.

Originally published in 1960 by Amateur Winemaker Publications

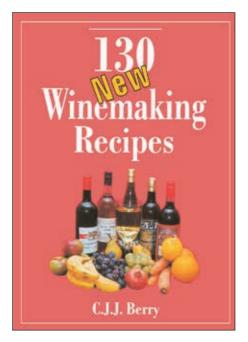
Metric sixth edition published in 1977 by Amateur Winemaker Publications

Contents: About Ihis Book; A Fascinating Craft; What You Will Need; Refinements; Wine Vocabulary; Cleanliness and Sterility; Sulphite; Kits and Concentrates; What Wine Is; Fermentation; Beware Vinegar; Airlock; Yeasts; Sugars; Flavour; Extractors; Boiling; Acidity; pH; Tannin; Racking; Clearing; Pectin; Starch; Protein; Storage; Bottling; Serving Your Wines; Malo-Lactic Fermentation; Sparkling

Wines; Pasteurisation; Hydrometer; Fortification; The Pearson Square; Wine in Quantity; Casks; Blending; Winemaking Summarised; Dos and Don'ts; Chamber of Horrors (Troubleshooting); Grow Your Own Grapes; The Recipes; Wines by Purpose; Country Wines by Month; Winemaking Circles; Showing Your Wines; Wine Competitions; Metric/Imperial Conversion Tables; Useful Addresses.

130 NEW WINEMAKING RECIPES

C.J.J.Berry



Specification: 210 x 148 mm 126 pages 53 black and white cartoons; Index; ISBN 978 090084163 7 Paperback £6.95

Classification: Country Crafts/Home Winemaking Not available in North America

Contents: Welcome to Winemaking; Cleanliness; What Wine Is; Yeast; Nutrient; Acid and Tannin; Fermentation; Winemaking Summarised; Dos and

Now in its third edition, this book contains tests and reliable recipes, many of which are unique to this publication. However certain well-tried favourites are also to be found within these pages.

Once people made country wines solely from the fruits of their gardens and local hedgerows, but today there is a wide range of fascinating ingredients available – grape juice, concentrates, grains, dried fruit, exotic fruit juices – to allow winemakers to pursue their crafts all year round, independent of fruiting seasons.

Now in its third edition, this book has already reprinted forty-one times and has sold over 500,000 copies. It contains (in alphabetical order from Almond Wine to Yarrow Wine) 130 tried and reliable recipes for country wines and real ales, many of which are unique to this publication and which supplement those found in the author's primer First Steps in Winemaking.

The book is illustrated by the well-known winemaking cartoonist Rex Royle.

Cyril John James Berry had an ebullient personality and energy which not only embraced his family and social life but also gave him the courage at a mature age to give up his safe, professional life as Editor of a local Andover paper in order to concentrate on producing The Amateur Winemaker magazine on a national scale. He wrote several best-selling books on winemaking and homebrewing, upon which he was an acknowledged expert for forty years, appearing frequently on television and always in demand as a lecturer and wine judge.

He lived in Andover, Hampshire, England and in Malaga, Spain where he died in 2002.

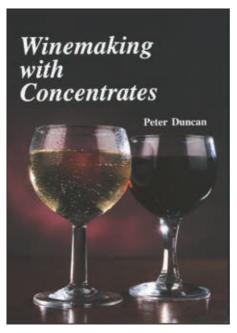
Originally published in 1963 by Amateur Winemaker Publications

Third Revised Edition published in 1981 by Argus Books Special Interest Model Books edition published in 2002

Don'ts; Wine Recipes; Wines from Concentrated Fruit Juices; Elderberry Variations; Sherry; Beers and Stouts: Christmas Drinks.

WINEMAKING WITH CONCENTRATES

Peter Duncan



Specification:
210 x 148mm
96 pages;
13 black and white photographs;
Index;
Paperback £6.95
ISBN 978 185486 118 4
Classification: Country Crafts/Home Winemaking
Not available in North America

This is the book for the winemaker who likes the ease and convenience of making wine from concentrates. Invaluable to the flat-dweller who enjoys wine but lacks the facilities to make it from grapes and other fruits. The recipes are formulated from concentrates which are readily available.

This is the book for the winemaker who likes the ease and convenience of making wine from concentrates for those who enjoy wine but lacks the facilities to make it from grapes and other fruits. The recipes in this edition are formulated from concentrates which are readily available to make 1-2 gallon batches of wine. The book is the culmination of many years of work with concentrates from all over the world.

Peter Duncan's vast experience and knowledge of the way wine can be made with concentrates is all here in these pages — this is the book that every winemaker who uses them will want to keep for ready reference.

Peter M. Duncan was born in Perth, Scotland. He was educated at Perth Academy and Edinburgh University, graduating in 1959 with a first class honours B.Sc. in chemistry. Married with two sons, he has lived in Quebec, Canada since 1962. On the winemaking front, he founded the Huron Wine Guild, has been a member of both the Canadian and British National Guilds of Judges and used to write a popular weekly column called The Winemaker's Forum for local and national newspapers.

Originally published in 1976 by Amateur Winemaker Publications

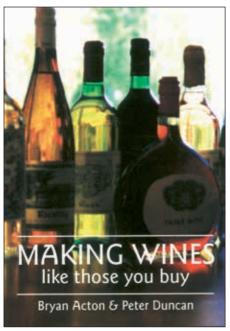
Larger Format Second Revised Edition published in 1982 by Amateur Winemaker Publications

Special Interest Model Books edition published in 2010

Contents: Basic Principles and Practices; Equipment; Hydrometer; Gravity Tables; Cleaning and Sterilizing; Yeast, Starters and Nutrients; Fermentation; Acid Balance; Tannin; Racking and Clarification; Maturing; Spoilage; Grape Concentrate; Practical Aspects; Production of Grape Concentrate Wine; Frozen and Canned Fruit Concentrates; A Range of Recipes

MAKING WINES LIKE THOSE YOU BUY

Bryan Acton & Peter Duncan Foreword by C. J. J. Berry



Specification:
210 x 148mm;
151 pages;
12 black and white line drawings;
Index;
Paperback£6.95
ISBN 978 0900841 03 3
Classification: Country Crafts/Home Winemaking
Not available in North America

How to reproduce the flavour and quality of commercial wines in your own home, using easily-obtained ingredients. Sauternes, hocks, madeiras and champagne are all possible with the help of this book.

In recent years there has been a rapid growth in the popularity of wines of all sorts. And although commercially produced wine has become less expensive, it is always a challenge to turn your own hand to reproducing the flavour and quality of commercial wines in your own home, using easily-obtained ingredients.

Sauternes, Hocks, Moselles, Chianti, Madeiras, Champagnes and Liqueurs can all be made at home cheaply from easily available ingredients - are all possible with the help of this book. You can become a wine connoisseur on a shoestring budget!

The line illustrations are all based on photographs from the Radio Times Hulton Picture Library.

Peter M. Duncan was born in Perth, Scotland. He was educated at Perth Academy and Edinburgh University, graduating in 1959 with a first class honours B.Sc. in chemistry. Married with two sons, he has lived in Quebec, Canada since 1962. On the winemaking front, he founded the Huron Wine Guild, has been a member of both the Canadian and British National Guilds of Judges and used to write a popular weekly column called The Winemaker's Forum for local and national newspapers.

Bryan Acton was educated at Eltham College and lived in Bletchley, Buckinghamshire. He was introduced to winemaking by Trappist Monks in Palestine in 1943, while he was on armed service and progressed to being a member of the Amateur Winemaker National Guild of Judges.

First published in 1964 by Amateur Winemaker Publications

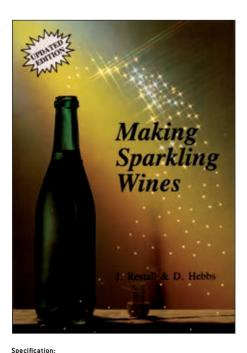
Second Revised Edition published in 1968 by Amateur Winemaker Publications

Third Revised Edition published in 1981 by Argus Books Special Interest Model Books edition published in 2010

Contents: Basic Winemaking; Dry and Sweet Sherry; Port; Hocks and Moselles; French Dry Red Wines; White Wines of France; Chianti; Madeira, Bual, Malmsey, Sercial and Verdelho; Rosé Wines; Champagne and Sparkling Wines; Liqueurs and Aperitifs; Vermouth.

MAKING SPARKLING WINES

John Restall & Don Hebbs Foreword by C. J. J. Berry



210 x 148mm
128 pages
10 black and white photographs;
12 line drawings
4 tables of data;
Index;
Paperback £7.95
ISBN 978 185486 119 1
Classification: Country Crafts/Home Winemaking
Not available in North America

Sparkling wines, or champagnes, are synonymous with celebration and happiness. The authors have spent decades exploring the techniques of sparkling wine production and discovering the secrets of producing champagne-like wine of superb quality and pass them onto beginners and experienced winemakers in this book.

Sparkling wines, or champagnes, are synonymous with celebration and happiness. These festive wines have a charm and attraction all their own. The authors have spent decades exploring the techniques of sparkling wine production and discovering the secrets of producing champagne-like wine of superb quality. For any winemaker to be able to produce his or her own sparkling wine is one-upmanship to the nth degree! Yet it is perfectly possible.

In this revised and updated edition, the authors share their expertise with you, and whether you are a beginner or an experienced winemaker, you will find this book contains all the information necessary to make your own sparkling wines.

The late John Restall lived in Twickenham and had been making wines since 1955. He was an active member of his local amateur winemaking circle where he shared his experiences of winemaking with other enthusiasts and he loved to visit wine-producing regions abroad to learn professional methods.

The late Donald Hebbs was also a keen wine and beer maker who won many major awards at local, regional and national wine shows. He started making sparkling wine in 1967 and it won three national awards: 1st Prize in 1968, 2nd in 1969 and 1st in 1971. His sparkling wine also won "Best in Show" at the Middlesex Wine Festival in 1970. He was a member of the Amateur Winemakers National Guild of Judges for Wine and Beer and was a well-known lecturer on both subjects.

Originally published in 1972 by Amateur Winemaker Publications

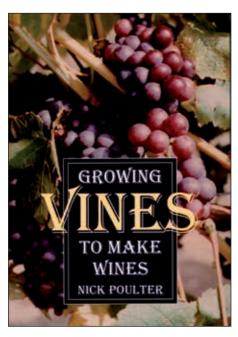
Second Revised Edition published in 1995 by Nexus Special Interests

Special Interest Model Books edition published in 2011

Contents: Why Make Sparkling Wines? Champagne; Other Sparkling Wines; Bottles and Closures; Ingredients to Use; The Basic Wine; Recipes; Racking, Clarification and Assessment; Adjusting Sugar Content; Bottle Fermentation; Maturing; Shaking Dow the Yeast; Disgorging and Sweetening; Tank Method; Tasting; Serving.

GROWING VINES TO MAKE WINES

Nick Poulter



Specification:
210 x 148mm;
196 pages;
4 pages of colour photographs;
36 black and white photographs;
32 line drawings;
8 tables of data;
Index;
Paperback £8.95
ISBN 978 185486 1818

Classification: Horticulture/Home Winemaking

This book covers all aspects from planting the vines through cropping and vinification to enjoying the final product. It will help the amateur to produce high-quality wine from home-grown grapes providing the right varieties are used and the simple rules followed.

This book is a fully updated amalgamation of two previously published titles - Growing Vines (1972) and Wines from your Vines (1974). It is concise, yet detailed, and covers all aspects from planting the vines through cropping and vinification to enjoying the final product.

The quality of English wine is constantly improving and this book will help the amateur to produce high-quality wine from home-grown grapes providing the right varieties are used and the simple rules followed.

Following his conversion from the elderberry to the grape thirty years ago, author Nick Poulter planted a commercial vineyard at Cranmore on the Isle of Wight and by 1984 it was producing 20,000 bottles a year from 30,000 plants. In those days there were only a dozen or so vineyards in England, but now that number has multiplied a hundredfold and the quality of English wine has constantly improved to become as good as any in the world.

Originally published as two separate books in 1972 and 1974 by Amateur Winemaker Publications Revised and published as a single volume in 1998 by Nexus Special Interests Special Interest Model Books edition published in 2005

Contents: Introduction; History of Vine Growing in England; Vine Varieties; Site Soil and Spacing; Planting, Training and Pruning; Vine Pests and Maladies; Propagation;

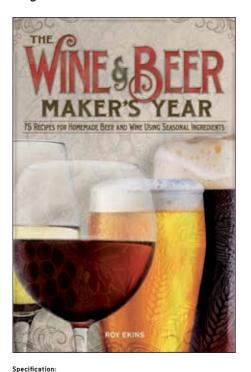
Vines in Pots or Tubs: Vines under Glass or Plastic:

Winery and Cellar; Vintage; Preparation of the Must; Fermentation; Stabilisation and Preparation of the Bottle; Bottling, Maturing and Storage; Dessert, Sparkling and Pomace Wine; Suppliers; Bibliography; Conversion Tables; Useful Adresses.

THE WINE & BEER MAKER'S YEAR

75 Recipes For Homemade Beer and Wine Using Seasonal Ingredients

Roy Ekins



230 x 150 mm;
144 pages;
80 line drawings;
4 tables of data;
Index;
Paperback £7.95
ISBN 978 185486 273 0
Classification: Horticulture/Home Winemaking
Not available in North America

A round-the-year guide to wine and beer making at home, covering dry and sweet wines, beers, lagers, liqueurs and fortified wines. The author explains basic winemaking and brewing principles and then presents seventy-five easy-to-follow original recipes.

In the introduction, the author explains the basic principles of the craft and advises on health and safety and the choice, use and care of equipment. The main body of the text, fully illustrated with delicate line drawings, is a season-by-season guide to ingredients and recipes for making wines and beers to suit all tastes.

Spring: Silver Birch; Dried Peach and Apricot; Prune; Coltsfoot; Dandelion; Rhubarb; Gorse; Broom; Brown Ale; Honey; Buttercups; Honeysuckle; Mayflower; Dried Elderberry; Rose Hip Syrup; Dried Elderflowers; Lager.

Summer: Roses; Grapevine; Redcurrants; Gooseberries; Herbs; Parsley; Rumtoft; Strawberries; Blackcurrants; Raspberries; Flower Wines; Salad Burnett; Apricots; Cherries; Peaches; Plums; Dewberries; Beetroot; Huckleberries; Bilberries; Bitter Beer.

Autumn: Apples; Blackberries; Elderberries; Damsons; Sloes; Marrow; Christmas Ale; Medlar; Quince; Pear; Rose Hips; Fruit Juices; Liqueurs; Ginger Beers.

Winter: Dates; Coconuts; Christmas Mull; Rumtoft; Carrots; Raisins; Tangerines, Mandarins and Satsumas; Tea; Mulled Ale; Seville Oranges; Grapefruit; Parsnips; Exotic Fruits; Stout; Sparkling Wines.

Roy Ekins has been a wine and beer maker for thirty-five years and has been a member of the National Guild of Wine and Beer Judges since 1973. For eight years he served on the Committee of the National Association and edited the NAWB magazine.

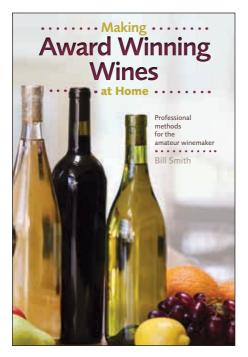
First published in hardback in 1985 by Blandford Press First paperback edition published in 1999 by Nexus Special Interests Ltd Special Interest Model Books edition published in 2013

Contents: Winemaking Basic Principles; Ingredients; Winemaking Process; Serving Your Wines; Beer and Brewing; Equipment; The Brewing Process; Spring Recipes; Summer Recipes; Autumn Recipes; Winter Recipes; Acidity Measurement; Gravity Readings; Blending Your Own Liqueurs; Wired Sparkling Wine Stoppers; Poisonous and Unsuitable Plants for Winemaking.

MAKING AWARD WINING WINES AT HOME

Professional Methods For The Amateur Winemaker

Bill Smith



Specification:
230 x 150 mm;
136 pages;
Paperback £7.95
ISBN 978 185486 268 6
Classification: Country Crafts/Home Winemaking
Not available in North America

An experienced wine maker and judge draws on his life's work as a research scientist in anaerobic fermentation and the work of commercial vintners to give his views of methods that will improve on standard winemaking techniques.

Bill Smith's introduction to winemaking happened when he worked in California, where he visited wineries in the Napa Valley. Back in England, he became a keen amateur winemaker. Adapting his skills as a research scientist in anaerobic fermentation to winemaking, the author soon became a prize-winner at shows, furthering his interest in the hobby by becoming a National Wine Judge. He shared his knowledge by giving wine talks to clubs locally and in neighbouring counties.

He wrote this book for winemakers at all levels; all aspects of home winemaking are discussed from the basic equipment to the Wine Clubs that are the backbone of this widespread hobby. It gives the author's own views on methods that will improve on standard winemaking techniques and concludes with a selection of over fifty recipes from him and his winemaking friends.

Bill Smith is a member of Booker Wine Circle in High Wycombe and also a smaller group of enthusiasts called Chilterns Masters Wine Circle. Both circles are part of the Federation of Chilterns and Mid-Thames Wine Guilds. Bill is also a member of the National Guild of Amateur Wine and Beer Judges. As a competitor and a judge, he is involved in wine shows all the way from the local wine clubs, village horticultural shows, Federation and country shows, to the annual show of the National Association of Wine and Beermakers

First published in 2000 by Nexus Special Interests Ltd Second edition, revised and updated published in 2014 by Amateur Winemaker Books.

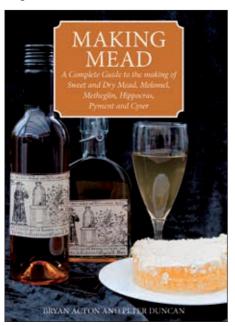
Contents: Introduction; Basic Equipment; How Wine Is Made; Winemaking Additives; From Racking to Bottling; Ingredients and How To Use Them; Recipe Design; Versatile Wines; Sparkling Wines; Oak; When

Things Go Wrong; The Commercial As A Standard; Wine Clubs and Wine Talks; Wine Shows and Competitions; Selection of Recipes; Index

MAKING MEAD

A Complete Guide to the making of Sweet and Dry Mead, Melomel, Metheglin, Hippocras, Pyment and Cyser

Bryan Acton and Peter Duncan



Specification:
208 x 148 mm;
62 pages;
7 black and white photographs;
Index;
Paperback £6.95
ISBN 978 0900841 07 1
Classification: Country Crafts/Home Winemaking
Not available in North America

Contents: Man's Oldest Drink' Mead, Maids and Marriage; Honeys for Meads; Mead-Making Techniques; Mead Recipes; Melomels; Melomel Recipes; Pyment, Hippocras, Metheglin and Cyser Recipes; Other Honey Drinks. Mead is an alcoholic drink made by fermenting honey and water with yeast; of all the crafts of mankind, meadmaking is certainly one of the oldest. This practical book will inspire you to take up this admirable craft. It includes chapters on honey selection, mead-making techniques, and forty-two recipes.

Mead is an alcoholic drink made by fermenting honey and water with yeast. A glass of lightly chilled mead on a summer's evening is a splendid delight. And yet, of all the crafts of mankind, mead-making is certainly one of the oldest. It is likely that mead was made even before the wheel was invented as stone-age cave paintings depict the collection of honey from bee colonies. The drink made from honey became a staple of Celtic, Anglo-Saxon, Medieval and Renaissance Britain.

This practical book will inspire you to take up this admirable craft. It includes chapters on honey selection, mead-making techniques, and forty-two recipes for mead, melomel (using honey mixed with fruit juice), pyment (honey mixed with grapes), hippocras (honey mixed with grapes and herbs), metheglin (spiced medicinal mead), cyser (honey mixed with apples) and other honey drinks.

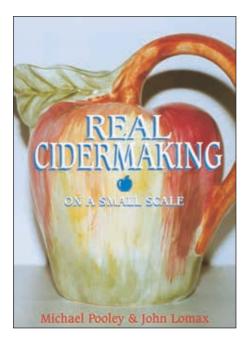
Peter M. Duncan was born in Perth, Scotland. He was educated at Perth Academy and Edinburgh University, graduating in 1959 with a first class honours B.Sc. in chemistry. Married with two sons, he has lived in Quebec, Canada since 1962. On the winemaking front, he founded the Huron Wine Guild, has been a member of both the Canadian and British National Guilds of Judges and used to write a popular weekly column called The Winemaker's Forum for local and national newspapers.

Bryan Acton was educated at Eltham College and lived in Bletchley, Buckinghamshire. He was introduced to winemaking by Trappist Monks in Palestine in 1943, while he was on armed service and progressed to being a member of the Amateur Winemaker National Guild of Judges.

Originally published in 1968 by Amateur Winemaker; Sixteenth Impression in 1985 by Argus Books Ltd Re-issued by Special Interest Model Books in 2012

REAL CIDERMAKING

Michael Pooley and John Lomax



Specification:
210 x 148mm;
144 pages;
20 black and white photographs;
45 plans and line drawings;
Index;
Paperback £6.95
ISBN 978 185486 195 5
Classification: Country Crafts/Home Winemaking
Not available in North America

This practical book by two cidermakers of national repute, explores both modern and traditional approaches, and has been designed to enable the enthusiast using any type of apples to make real cider with skill and confidence. The book also includes a set of superb scaled plans for building an inexpensive cider press.

Cider is a quite delicious drink which has been known for thousands of years and which has enjoyed a fashionable makeover in recent years.

This practical book by Michael Pooley and John Lomax, both cidermakers of national repute for more than 20 years, explores both modern and traditional approaches, and has been designed to enable the enthusiast using any type of apples to make real cider with skill and confidence.

The book covers the history of cidermaking, techniques for preserving apple juice for drinking, washing and crushing the apples, pressing the pulp, fermentation, blending and storing, cider-based recipes, the making of perry from pears and also includes instructions and a set of superb scaled plans for building an inexpensive cider press using hardwood or good quality softwood.

Cidermakers Michael Pooley and John Lomax (both from Ironbridge, Shropshire) were two of those people whose passion for their work was totally infectious. They were cidermakers for over twenty years and during that time their well-attended apple day teaching courses and demonstrations of the craft at venues throughout the UK acquired a national reputation. In 1999 they compiled this standard book about "real" cidermaking, which is thorough, practical and inspiring. It is based on their combined experience and expertise and will satisfy the needs of both the amateur and would-be professional cidermaker.

Originally published in 1999 by Nexus Special Interests Ltd Special Interest Model Books edition published in 2002

Contents: A Word on Apples; Cidermaking History; Building the Press; An Autumn Day's Cidermaking; Right Mix of Apples; Washing and Preparing the Apples; Milling and Crushing the Apples; Pressing the Apple Pulp; Fermentation; Blending, Storing and Serving the Cider; Troubleshooting; A Pipkin of Drinks; A Dish of Recipes; Preserving Pure Apple Juice; Making Cider Vinegar; Making Perry; Malo-Lactic Fermentation; Using the Hydrometer; Pasteurisation and Stabilisation of Cider; A Note on Patulin; Cleaning and Sterilising Wooden Casks and Barrels; Useful Addresses.

THE BIG BOOK OF BREWING

Dave Line



Specification:
210 x 148 mm;
254 pages;
24 black and white line drawings;
20 graphs and tables of technical data;
Index;
Paperback £7.95
ISBN 978 185486 235 8
Classification: Crafts/Home Brewing
Not available in North America

This book, first published in 1985, brings to beginners and experts alike a simple method of 'mashing' for producing the finest flavoured beers, real ales, stouts and lagers from all-grain ingredients. It is the most advanced and comprehensive guide to mashing and brewing.

This classic book is for any really enthusiastic and ambitious home brewer — the person who wants to brew high quality "true" beers that were long thought beyond the ability of the amateur. Dave Line was a British beer authority. An electrical engineer by profession, he is regarded as a pioneer in home brewing during the 1970s because at the time home brewing as a hobby was in its infancy. At the time of his death in 1979 he was 37, living in Southampton, was married and had a son.

In 1963 it had become free to homebrew in the UK, previously requiring an annual 5 shilling licence, but would not yet become legal in the U.S. until President Jimmy Carter signed a bill into law in 1978 legalizing it. People wanted to brew beer that matched the quality of shop-bought beer. In this, his first book The Big Book of Brewing, Dave Line helped people to begin to reach the quality they were looking for, by using ingredients and processes that were used in breweries, with simple homebrewing equipment.

He advocated the use of proper brewer's yeast, wholegrain barley malts, whole hops, and even went into simple analysis and comparison of the chemistry of water used for brewing different beers, and rudimentary water treatment. He also encouraged sterilisation and proper cleaning of equipment. He was a regular contributor to The Amateur Winemaker magazine, and in a decade, probably had more recipes published than anyone else.

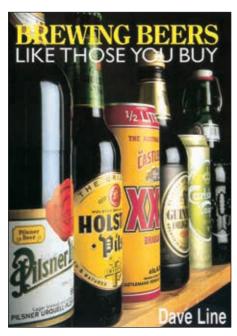
Originally published in 1976 by Amateur Winemaker Publications

Revised edition published in 1985 by Argus Books Ltd Special Interest Model Books edition published in 2004

Contents: Recipes in This Book; Language of the Brewer; Brewing Your Quality Beer; Brewing Quality Beer; Commercial Brewing Process; Equipment; Your First Brew; Easy Recipes; Mashing; Brewing Ingredients; Malt; Coloured Malts; Malt Adjuncts; Sugar; Hops; Water; Yeast; Brewing Process; Cleaning; Malting; Crushing the Malt; Mashing; Sparging; Hydrometer; Degrees of Extract; Boiling; Cooling; Fermentation; Finings; Bottles Beer; Draught Beer; Beer From the Wood; Maturing Your Beer; Serving and Drinking; Problems; Advanced Recipes; Pale Ale; Light Ale; Bitter; Lager; Mild Ale; Brown Ale; Sweet Stouts; Irish Stout; Barley Wine; Conversion Tables; Useful Data Index.

BREWING BEERS LIKE THOSE YOU BUY

Dave Line



Specification: 210 x 148mm; 164 pages; 8 pages of black and white photographs; 15 line drawings Paperback £6.95 ISBN 978 185486 125 2 Classification: Crafts/Home Brewing Not available in North America A very popular title that reprints regularly, it contains full instructions for making real draught ale, bottled and keg beers, lagers and stouts from all over one hundred recipes collected from around the world, all at a fraction of the price you would pay in a pub.

A very popular title that reprints regularly, this book contains full instructions for making real draught ale, bottled and keg beers, lagers and stouts from around the world, all at a fraction of the price you would pay in a pub.

Home brewing is now an established hobby backed by a mature industry that provides all the necessary ingredients as used by the commercial brewers. Many of the 107 recipes in this book have been adapted from information given by the breweries themselves about their particular beers, so first-class results are virtually assured.

Beers replicated in this book include: Guinness; Carling Black Label; Worthington White Label; Thomas Hardy Ale; Greene King Pale Ale; Newcastle Brown Ale; Mackeson; Fullers ESB; Brakspears Special Bitter; Fullers London Pride; Eldridge Pope Royal Oak; Greene King Abbot Ale; Marston's Pedigree; Samuel Smith's Old Brewery Bitter; Theakstons' Old Peculiar; Wadsworth's 6X; Youngs Special Bitter; Stella Artois; Pilsner Urquell; Budweiser.

Dave Line was probably the most skilled, innovative and articulate home brewer of his generation. In a decade of brewing he probably devised and published more recipes for beer than anyone else in the world. Through regular articles in Amateur Winemaker magazine and his first book, The Big Book of Brewing, he was acknowledged as one of the leading experts on home brewing in Britain. People who wanted to brew the type of beer they drink in the pub have acclaimed his methods a major breakthrough in beer quality. He made it possible to brew for the first time commercial standard beer at home using simple equipment.

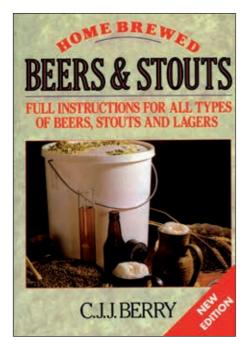
Originally published in 1978 by Amateur Winemaker Publications

Second edition revised by Roy Ekins in 1995 and published by Nexus Special Interests Ltd Special Interest Model Books edition published in 2002

Contents: The Answer to the Beer Drinker's Dream; Brewing Beers Like Those You Buy; Beer List; Getting Started; Enjoy Your Brewing; Brewing Your Favourite Beers; Bottled Beers; Real Ales; Keg Beers; Beers of the World: Beers and Brewers Index.

Home Brewed Beers & Stouts

C.J.J.Berry



Specification: 210 x 148mm; 156 pages; 59 black and white photographs; 9 line drawings; Index; Paperback £6.95 ISBN 978 185486 123 8 Not available in North America This was the first modern book on home brewing and was an instant success when it was first published in 1963. This latest edition contains information on how to brew fine beers and stouts of authentic flavour and strength.

Originally published in 1963, this was the first modern book on home brewing and was an instant success. Since then, the book has gone through many revised and improved editions and to date has sold 750,000 copies.

This latest edition contains full instructions on how to brew fine beers and stouts of authentic flavour and strength. From palest lager to blackest extra stout, these are brews of which you can be proud.

There is much more to the home brewing hobby than simply making up a kit; home brewers need to know the theory behind the techniques they use and how to devise their own formulations for any type of beer. This book is the ideal introduction to the subject.

Cyril John James Berry was one of Britain's leading amateur brewers and winemakers, co-founder of the first Winemaker's Circle, founder Chairman of the National Association of Winemakers and Brewers and Editor-Publisher of the monthly magazine The Amateur Winemaker which he ran for 27 years. He wrote several best-selling books on winemaking and home brewing, upon which he was an acknowledged expert for forty years, appearing frequently on television and always in demand as a lecturer and judge.

Originally published in 1963 by Amateur Winemaker Publications

Second edition 1966; Third edition 1970; Fourth edition 1970: Fifth edition 1981

Sixth revised edition published in 1995 by Nexus Special Interests Ltd

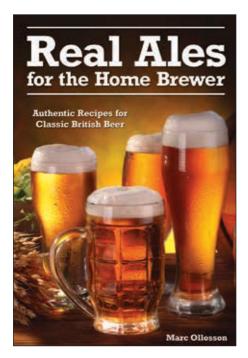
Special Interest Model Books edition published in 2002

Contents: Brewing Vocabulary; The Story of Ale and Beer; Types of Beer and Stout; Background to Brewing; Some Important Points; Brewing from Kits; Brewing Ingredients; Equipment you will Need;

Brewing Techniques; True Beers - by Mashing; Malt Extract Beers; Novelty Beer Recipes; Serving Your Reers

Real Ales for the Home Brewer

Marc Ollosson



Specification: 230 x 150 mm; 166 pages; Paperback £7.95 ISBN 978 185486 269 3 Classification: Crafts/Home Brewing With easy-to-follow recipes, this book will help you to brew such real ale classics as Flowers, Wadworths and many others. Suitable for both beginners and seasoned mashers, superb resulting ales are almost guaranteed.

In this book you will find many homebrew recipes which will allow you, the craft brewer, to make superb real ales at a fraction of the price of those that are commercially available. With easy-to-follow instructions, both beginners and seasoned mashers can quickly start brewing classics such as Flowers Original Bitter, Belhaven Sixty Shilling Ale, Whitbread Best Bitter, Castle Eden Ale, Wadworth 6X and Marston Moor Porter.

All the recipes are based on information supplied by the breweries which, combined with your own skill and quality ingredients from specialist homebrew suppliers, will virtually guarantee superb resulting ales.

During the 1990s, Marc Ollossen ran a successful home brew business in Bridgend. The shop was not just a place to buy from but also a place for customers to speak to fellow brewers and wine makers with coffee freely thrown in. Not content with just selling kits and ingredients Marc constantly brewed both wine and beer on the premises so that customers could see how the processes worked and to taste the final results. The homebrew shop in Bridgend has now closed and Marc eventually moved from Wales to Norfolk, where he now enjoys the Norfolk Broads and works for a large public sector employer.

Breweries: Scotland - Belhaven Brewery, Borve Brew House, Harviestoun Brewery, Maclay & Co, Orkney Brewery, Tomintoul Brewery; North of England - Castle Eden Brewery, Malton Brewery, Marston Moor Brewery, J W Lees & Co; English Midlands - Burton Bridge Brewery, Mansfield Brewery, Oakham Ales, Parish Brewery, Springhead Brewery, Townes Brewery; South East England - Crouch Vale Brewery, McMullen & Sons; South West England - Poole Brewery, Ushers of Trowbridge; Wadworth & Co, Flowers, Mildmay Brewery.

Originally published in 1997 by Nexus Special Interests Ltd Second Edition, revised and updated, published in 2014 by Amateur Winemaker Books

Contents: Introduction; About This Book; Equipment; Malt Extracts; Sugars & Syrups; Malt Grains; Unmalted Grains; Irish Moss; Hop Varieties; Hop Weights and Substitutions; Yeats; Malt Extract Instructions; All Grain Instructions; Recipe Formulations; Branded Recipes; Other Recipes - Bitters and Pale Ales, Mild and Dark Ales, Porters and Stouts; Useful Addresses.

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