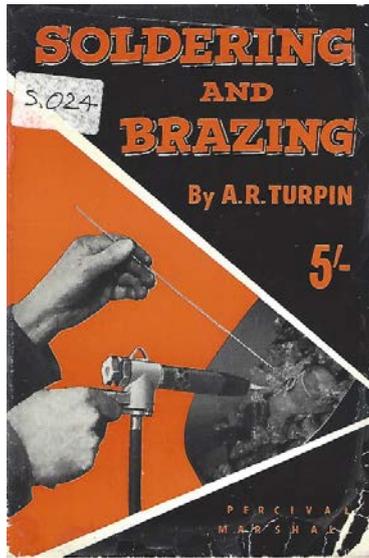


## Book Review Nr 18

The two books this month cover engineering techniques and are from our original library.

The first book is **Soldering and Brazing** by A R Turpin. This book is in A5 format and was published by Percival Marshall in 1955. It runs to 90 pages and includes 30 diagrammatic drawings and 12 plates.



There are chapters devoted to soft solders, using alloys having melting points from 70 to 400°C, hard solders; melting points ranging between 400 and 800°C and brass used for brazing with melting points in the range 800 to 1100°C. Other chapters cover fluxes, heating devices and practical application. There are three tables detailing the properties of the bonding materials and notes on characteristic applications.

Whereas some of the plates and drawings include equipment which may now be outdated, the processes, techniques and bonding materials still apply. Obviously the choice of the correct bonding material is essential and with ranges of melting points between 70 and 1100°C this book should be considered an informative reference prior to commencing soldering or brazing operations on a precious model.

The second book is **Sharpening Small Tools** by Ian Bradley published in 1976 by Argus Books of Kings Langley. This book is also in A5 format and runs to 100 pages.

The first 25 pages are dedicated to materials and appliances, followed by one chapter of 45 pages, dedicated to sharpening metalworking tools. The other chapters cover woodworking tools and domestic implements.

There are many diagrams and illustrations within the chapter on metalworking tools covering various lathe tools, twist and straight-flute drills, d-bits, counterbores, end mills and slotting cutters, countersinks, reamers, taps and dies, scrapers, cold chisels, screwdrivers, centre punches, scribes and end cutters.

The book covers tools and jigs required to undertake sharpening and the techniques required to ensure grinding and the like is undertaken safely.

When it comes to woodworking tools the coverage is similar, but the one exception is the section on hand saws.

Although our edition is a 1976 version, the first edition was published in 1948 and was followed by seven reprints. In the last 50 years some tools, for example hand saws, drills, are considered by some as consumables and reflect material which cannot withstand the sharpening process.

You will need this book to maintain the sharpness of quality tools; a good reference book.

**These two books will be available to peruse at the next club night.**

**If you want to borrow this, or any book in the library, please contact me.**

**Clive.Reynolds@stalbansmes.com**

Remember we would welcome members' views on any books they borrow.

Clive Reynolds. 07 Sept 2022

