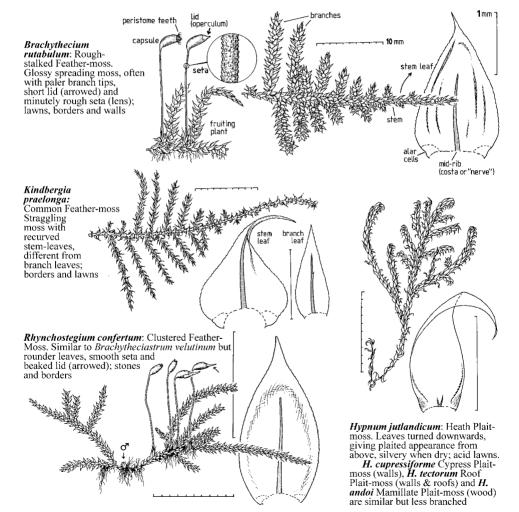
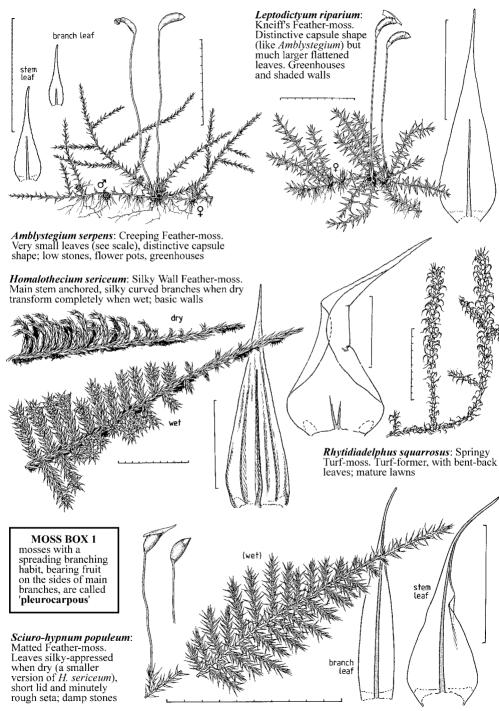
MOSSES AND LIVERWORTS

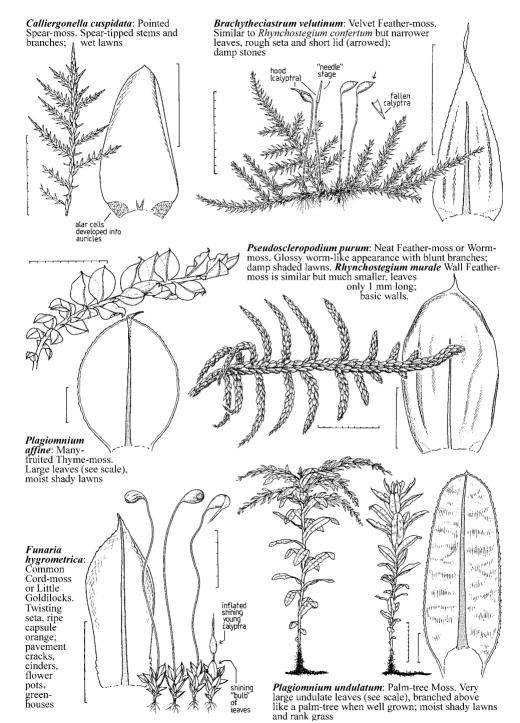
OF TOWN AND GARDEN

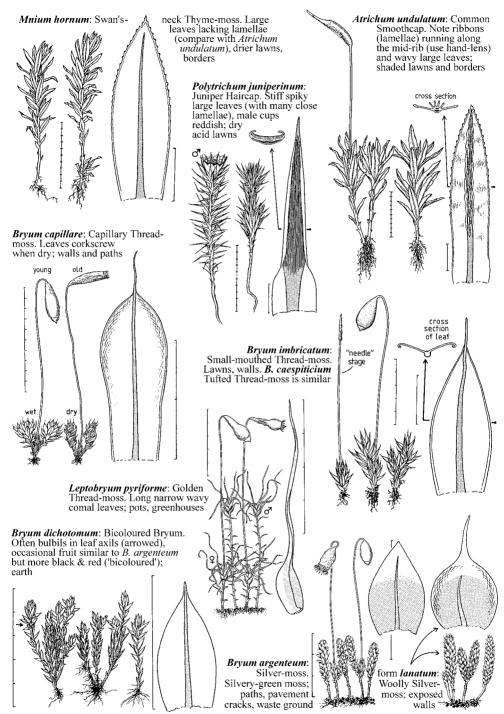
identification of some commoner species with a hand-lens

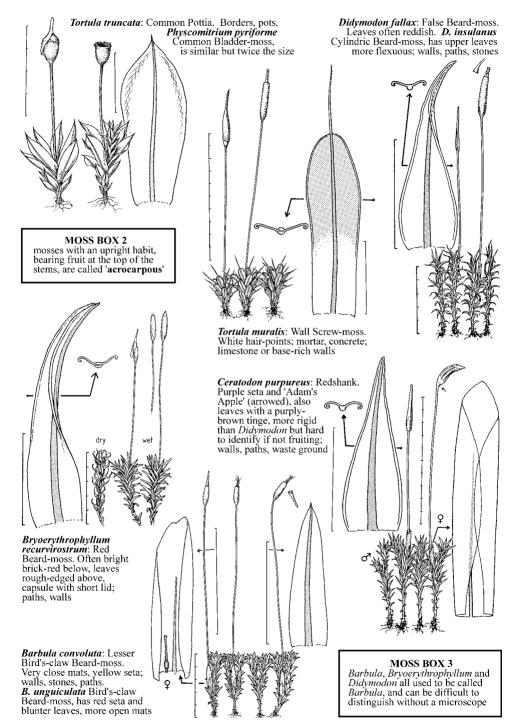
his leaflet introduces the hidden world of mosses and liverworts. They are everywhere but they are small, so you need an 8× (or more) hand-lens to see the details. You should be able to recognize many of the species that surround you, and learn about this abundant but unknown green carpet. HINTS WHEN EXAMINING: mosses may alter unrecognisably when dried, and moistening them may help; also because of the range of sizes, plants are not all drawn to the same scale – pay particular attention to the scale bars (units: 1 mm). Your plant may not be one of the 46 species illustrated (plus 10 mentioned) here: see back page for: MORE ABOUT MOSSES

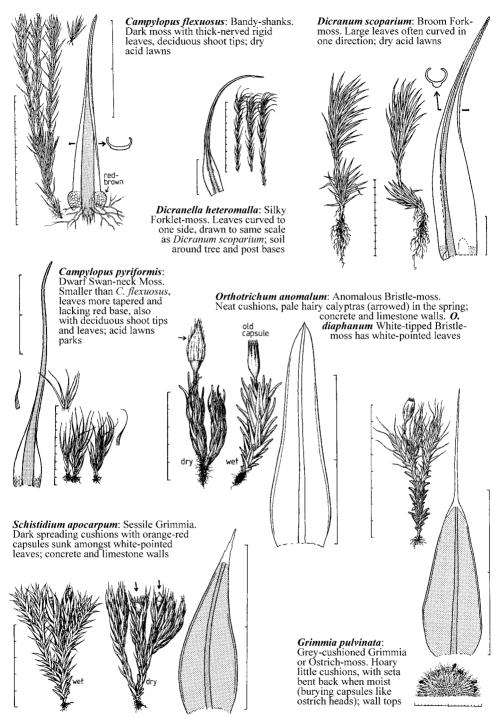


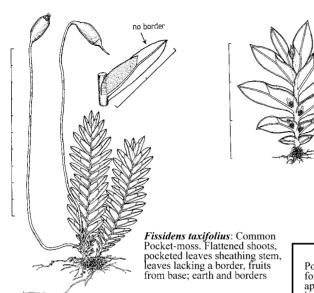












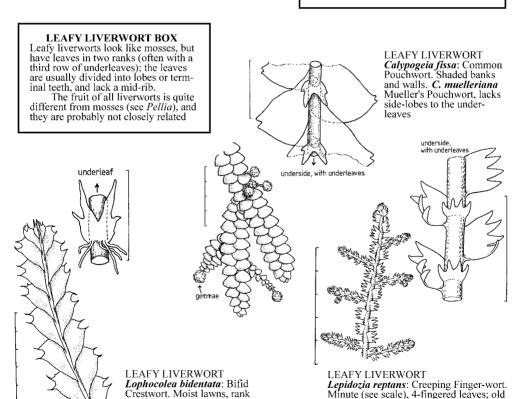
Fissidens bryoides: Lesser Pocketmoss. Flattened shoots, pocketed leaves with a shining border (lens), fruits from apex of stem; earth

shining

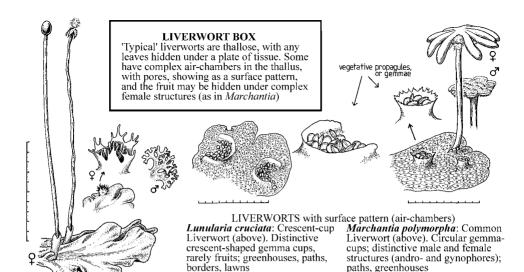
MOSS BOX 4

Pocket-mosses (Fissidens) are unusual for mosses in having leaves in two ranks, appearing like leafy liverworts, but the leaves have a mid-rib and are not divided

stumps, earth banks



grass, borders



LIVERWORTS lacking surface pattern

Pellia epiphylla: Overleaf Pellia (above left). Flap-shaped female involucre (to left of captive calyptral tube). **Pellia endiviifolia:** Endive Pellia (3 drawings inset). Fringed tubular involucre (don't confuse with gemma-cups of *Marchantia*), and male thallus frilly in autumn. Both on moist shaded soil (*P. endiviifolia* more base-rich)

MORE ABOUT MOSSES?

WHAT IS A BRYOPHYTE?

There are about 1,000 species of bryophytes (mosses and liverworts) in the British Isles, and about 20,000 in the world. They are flowerless plants, reproducing by spores, and they range from being nearly microscopic to over a metre tall; they may be upright, or creeping and much branched. They may grow in streams or deserts, on mountain tops or in sea spray, from the antarctic through tropical rain forests to the arctic, and in fact just about anywhere, though hardly in the sea itself. They clothe our landscape, but few naturalists get to know them.

Do I need a microscope?

Not necessarily – a good hand-lens is a good start. But a microscope will open many further fascinating doors, and costs no more than a microwave or a television. Advice on buying and using a microscope should be found from your local Museum, or the BBS (see below).

Two books for beginners

Watson EV. 1981 (3rd edition). British mosses and liverworts. Cambridge.

Jahns HM. 1983. Collins guide to the ferns mosses & lichens of Britain and northern and central Europe. Collins

BRITISH BRYOLOGICAL SOCIETY Objectives

The Society exists to promote a wider interest in all aspects of bryology. It provides tuition, organizes meetings, facilitates research and aids measures for conservation.

Meetings

Field meetings, paper-reading sessions, workshop weekends, symposia, etc.

Publications include:

Journal of Bryology, containing original research papers, book reviews, etc.

The Bulletin, giving news and articles of general interest.

Projects for members

Recording of bryophyte distribution in Great Britain and Ireland, and many other projects

Services to members

A panel of referees to help in identifications

A herbarium of voucher specimens

A collection of colour transparencies and jpegs

An extensive library of bryological books

The Reading Circle

Membership

Membership is open to anyone interested in bryophytes. Detailed knowledge of the subject is not required and there is no entrance fee. **Annual subscriptions** are as follows:

Ordinary membership: £20.00 (includes entitlement to Journal of Bryology and BBS Bulletin, as well as other services provided by the society.)

Junior Members (under 21) and Student Members: £10.00

Family membership: £1.00 (For any of the family who resides with an Ordinary or Junior member. Family members do not receive the Journal of Bryology but have all other rights and privileges of membership.)

Further information

about the Society and its activities is available from: Mike Walton (Hon. General Secretary), Ivy House, Wheelock Street, Middlewich, Cheshire, CW10 9AB.

BBS website: http://www.britishbryologicalsociety.org.uk

MaLoTaG edn. 3 v.2.4, 26 October 2006, Sean Edwards, sean.r.edwards@btinternet.com Vine Cottage, The Street, Thursley, Surrey, GU8 6QF, UK