Sedimentary climbing block Side 4

New Red

Mudstone with desiccation cracks filled with calcite veins (Septarian nodule)

body chambers divided by suture lines. A sea snail crawled into the last body chamber after the Nautilus Sandstone died. Its shell is preserved here too.

Nautilus. Jurassic

cross-section of the animal. You can see the

Portland

limestone

with lots of bivalve

shells.

Dorset

Portland

Conglomerate

(see Side 3)



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BOX ROCK CIRCUS

Lower recreation ground, Box, Wiltshire SN13 8NT

SEDIMENTARY CLIMBING BLOCK

Side 1

Bivalves

Myophorella

Jurassic

Calcite

crystals,

coloured

with iron. Wick

quarry

Ammonite.

Inferior Oolite

Jurassic

Horn Park

Beaminster

quarry,

Box

Tropical limestone Carboniferous - vellow marks are burrows from much younger Jurassic bivalves which burrowed into this rock when it was the Jurassic sea bed

Purbeck 'marble' shelly limestone (see Side 2)

Ammonite. Cadoceras sublaeve. Jurassic, Cotswold Water Park. The internal suture lines separating the body chambers are clearly visible.

> Geode. Dulcote guartz crystals. coloured with iron



Ammonite, Echioceras raricostatoides Jurassic. probably Kilmersdon Road quarry, Radstock

> **Bivalves** Jurassic Myophorella Box

Mineral vein with calcite and haematite. Wick quarry

Tropical limetones. Carboniferous, all with rugose corals

Shelly limestone packed with bivalves mostly. Jurassic, Inferior Oolite, Box

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Brachiopods

burrowing lamp

Carboniferous.

Brean Down

Lingula

shells

Mr. Hardyse Nautiloid,

probably

and

Orthoceras

probably in

Devonian

sandstone

He has

flint eyes

nodule nose

and baryte

a chalk

hair

Sedimentary climbing block Side 2

Ripple marks in fine sandstones. They are symmetrical formed by currents moving to and fro on the sea bed. The blobs on the top specimen are fish poo!

Oolitic limestone,

showing very fine

deposition of the

of 'Bath' stone.

Sea Urchins

Echinoids from the chalk

ooliths by currents

caused this bedding

which is characteristic

current bedding. The

Jurassic

Purbeck 'marble' hard. shelly limestone packed with little bivalve shells - used in pillars of Salisbury Cathedral. Cretaceous

Burrows in

Bivalve,

limestone.

Ammonite

Harpoceras

Ilminster area

internal cast of

this sea snail

'Roach Stone'

Portland

Dorset

Calcite

Galena

quarry

(see side 1)

lead sulphide

Stancombe

Gastropod

falciferun

Jurassic.

oolitic

Box

tropical

limestone



Bone Bed - Upper Triassic, Penarth Group, Westbury Formation. Most of the rib fragments and teeth are from the bony fish, the ostcichthyian, Severnichthys probably from Garden Cliff or Goldcliff, Westbury on Severn.

Somerset

Tree bark - Sigillaria, woody stem material from low down on the tree. towards the root system, Carboniferous, Pennant sandstone. probably Writhlington,

Nautilus. Jurassic (see Side 4 for details)

Purbeck 'marble' shellv limestone (see Side 2)

Sea Urchin. Echinoid, from chalk

Ripple marks

Calcite crystals Calcite crystals Wick quarry Sandstone with iron staining. Can you see the shiny mica grains in it? **Bivalve shell** clam from Box Sandstone Conglomerate (pebble rock) The pebbles are rounded so they must have been eroded and transported for a long time before they

Tree bark - Sigillaria. woody stem material from low down on the tree, towards the root system. Carboniferous, Pennant sandstone, probably Red Writhlington, Somerset,

down from the sea bed surface Brachiopod,

Carboniferous limestone. Mendip Hills

(see Side 2)

packed with

fossils includina

Shellv limestone

corals.

Wenlock,

Silurian

Oolitic

Jurassic

limestone.

lona burrows

Haematite (see Side 2)

Ammonite external mould Caloceras johnstoni Blue Lias. Jurassic. Stowey quarry

Oolitic

limestone (see Side 2)

sandstone pebble, Devonian

Sedimentary climbing block Side 3

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were deposited

and cemented

together