



Introduction to stone carving

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Stone carving workshop

Calf House studios, Bishop Burton

The workshop with Pete Brown.

This workshop is a brief introduction to stone carving. The nature of the materials and the process of direct carving by hand is slow and physical work, so with limited time available expectations of what can be achieved should remain realistic.

Each member of the group will be given a choice of working with Limestone (Portland stone or similar) a fine grained white or cream stone eminently workable or Soapstone Cornish Polyphant). Polyphant Stone is a soft metamorphic rock that is predominantly blue grey with green patches, and white and brown veins. It is easily worked with hand tools and takes a high polish. Polyphant Quarry is mentioned in the Domesday book.

Before carving begins there will be a short introduction to safe working practice a description of the hand tools used and their correct use.

Carving is a dusty business so appropriate clothing should be worn. **Stout boots or shoes should be worn**, definitely no sandals or soft shoes. *It hurts if you drop a chisel or a mallet on your foot, believe me.*

Eye protection is also mandatory, wrap around eye protectors will be provided. These will fit over prescription spectacles.

Leather work gloves are also advisable to protect the hands from dust *and misplaced hammer blows!*

Tea and coffee will be available all day other drinks can be brought along or purchased at the shop in Bishop Burton. Lunch will be a vegetarian selection of sandwiches etc.

Calf House studios at Coldharbour farm is an idyllic location on the edge of the wolds, overlooking beautiful countryside with views down to Beverley Minster and even Flamborough Head, on a clear day! There are plenty of walks and quiet retreats where inspiration may be found.



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The workshop

Saturday:

- 9.00 Welcome and introduction
- 9.10 The workspace & safe working
- 9.20 Tools and correct tool handling
- 9.50 The idea!
- 10.00 Selecting stone
- 10.15 Carving & instruction
- 12.30 Lunch
- 13.30 Back to work - carving & instruction
- 17.00 Review of progress
- 17.30 End of day 1

Sunday:

- 9.00 Any questions - problem solving
- 9.15 Resume carving
- 12.30 Lunch
- 13.30 Carving & instruction
- 14.00 How to finish, polish and mount work
- 16.00 Review of works
- 16.30 End of workshop

Introduction to stone carving

Stone supplies: Nigel Owen Stone

www.nigelowenstone.co.uk

email: NigelOwenStone@aol.com

Address:

Michael Owen
Nigel Owen Stone Workers
42 High Street
Yelvertoft
Northants
NN6 6LQ

Phone or Fax: 01788 822281

Tool supplies: Tiranti

www.tiranti.co.uk

Email: enquiries@tiranti.co.uk

Berkshire address:

3 Pipers Court
Berkshire Drive
Thatcham
Berkshire
RG19 4ER

Tel: 0845 123 2100

Fax: 0845 123 2101

London address:

27 Warren Street
London
W1T 5NB

Tel: 020 7380 0808

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Peter Brown:

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Types of stone - and their geological formation

Igneous

Igneous rocks are formed from the solidification of molten rock material. There are two basic types:

- 1) intrusive igneous rocks such as diorite, gabbro, granite and pegmatite that solidify below Earth's surface; and
- 2) extrusive igneous rocks such as andesite, basalt, obsidian, pumice, rhyolite and scoria that solidify on or above Earth's surface.

Metamorphic

Metamorphic rocks have been modified by heat, pressure and chemical process usually while buried deep below Earth's surface. Exposure to these extreme conditions has altered the mineralogy, texture and chemical composition of the rocks. There are two basic types of metamorphic rocks:

- 1) foliated metamorphic rocks such as gneiss, phyllite, schist and slate which have a layered or banded appearance that is produced by exposure to heat and directed pressure; and,
- 2) non-foliated metamorphic rocks such as marble and quartzite which do not have a layered or banded appearance.

Sedimentary

Sedimentary rocks are formed by the accumulation of sediments. There are three basic types of sedimentary rocks:

- 1) clastic sedimentary rocks such as breccia, conglomerate, sandstone and shale, that are formed from mechanical weathering debris;
- 2) chemical sedimentary rocks such as rock salt and some limestones, that form when dissolved materials precipitate from solution; and,
- 3) organic sedimentary rocks such as coal and some limestones which form from the accumulation of plant or animal debris.



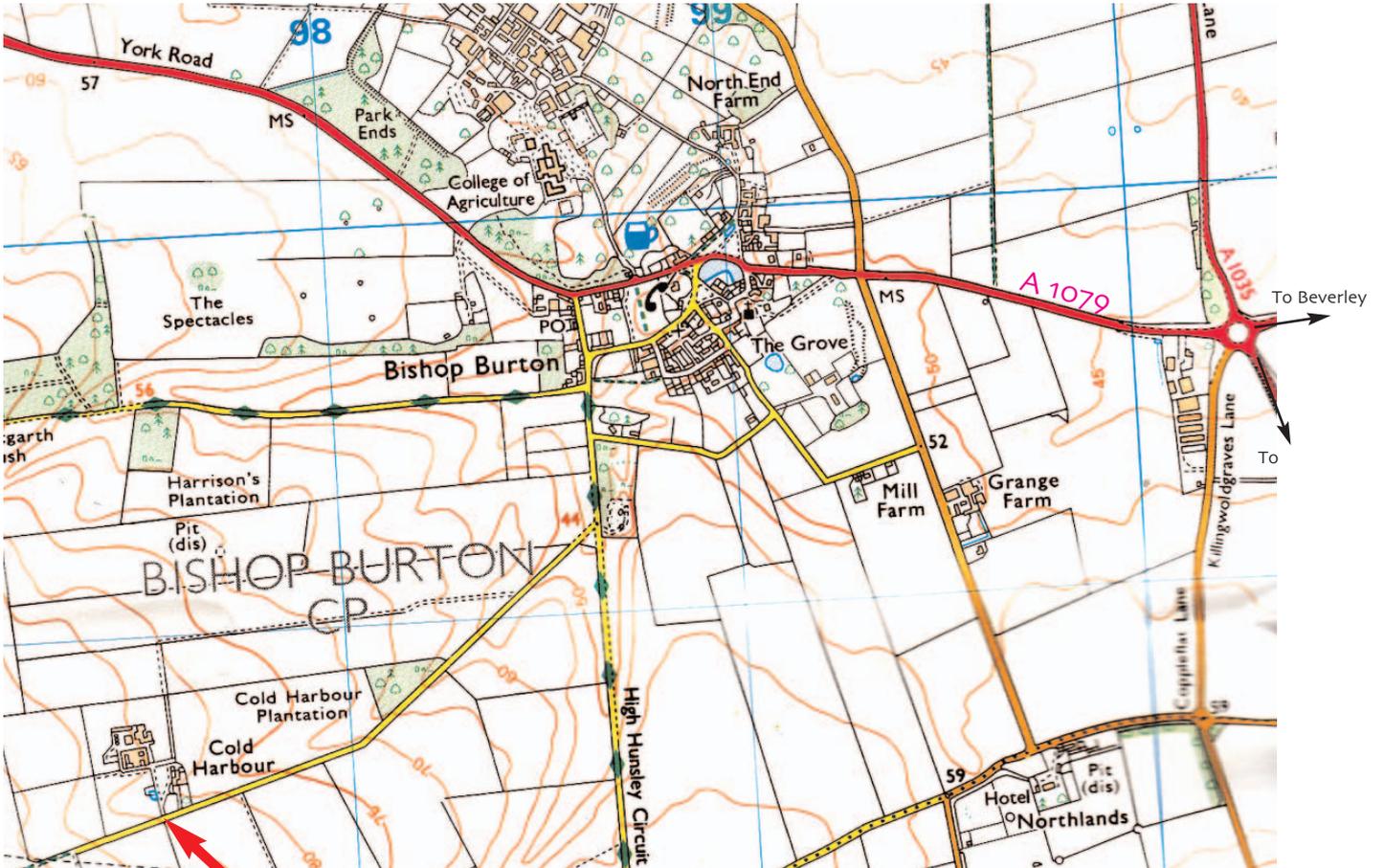
Geology: Age Systems

Geological age of some currently available building stones
Estimated age in millions of years shown in brackets

				Age (m years)	
CAINOZOIC	PLEISTOCENE, PLIOCENE, MIOCENE				
	OLIGOCENE				24
	EOCENE (including PALEOCENE)				38
MESOZOIC	CRETACEOUS				65
	Beer Carstone Flint	Hurtwood Kentish Rag Midhurst	Salcombe Sussex Sandstone Totterhoe	Wealden	
	JURASSIC				142
	Ancaster Blue Bank Blue Lias Casterton Chilmark Clipsham Collyweston	Combe Down Cotswold Creeton Filkins Guiting Ham Hill Hornton	Hovingham Ketton Monks Park Portland Purbeck Shotley Stamford	Stoke Ground Stowey Weldon Westwood Ground Wroxton	
	TRIASSIC				206
Corsehill Fauld Alabaster Grinshill		Hollington Myddle Newton	Red St Bees Rosebrae Spynie		
PALAEZOIC	PERMIAN				248
	Cadeby Corncockle Copley Lane	Gebdykes Lazonby Red Locharbriggs	Mansfield Park Nook Plumpton Road	Tadcaster Warmsworth	
	Permo-Triassic				
	Capton		Clashach	Greenbrae	
	CARBONIFEROUS				290
	Alston Bearl Birchover Black Pasture Blaxter Blue Pennant Bolton Woods Bramley Fall Carlow Castleside Cat Castle Chatsworth Chinley Moor Clevedon Crosland Hill Delph	Derbyshire Grit Doddington Dukes Dunhouse Elland Edge Forest of Dean Grange Mill Greenmore Blue Greenmore Rock Hades Hall Dale Hopton Wood Kerridge Kilkenny Ladycross Liscannor	Moelfre Moorside Newbigging Orton Scar Penmon PlasGwilym Revidge Grit Ridgeway Ringby Roach Bluff Scout Moor Salterwath Sheldon Shipleigh Springwell Stainton	Stanton Moor Stancliffe Stoke Hall Stoney Brow Ulverston Waddington Fell Waterholes Grit Watts Cliff Wellfield Westmorland Waterworn Wimberry Moss Windy Hill Whitworth Blue Woodkirk Brown York Stone	
	DEVONIAN				354
	Caithness Cornish Rustic Slate Delabole	Dunmore Merryfield Mill Hill	Monmouth Red Wilderness Trebarwith Rustic	Trearne Tredinnick Trevillet	
	SILURIAN				417
	Berwyn		Burlington	Grennan	
ORDOVICIAN				443	
Aberllefeni Brandy Cragg Broughton Moor Buttermere	Croes-y-Ddwy Afon Cumbria Green Cwt-y-Bugail Elterwater	Ffestiniog High Fell Hodge Close Kirkstone	Lakeland Green Portmadoc/Ffestiniog Prescelly Spoutcrag		
CAMBRIAN				495	
Nantlle	Penrhyn	Twll Coed	Vronlog		
PRE-CAMBRIAN				545	
Achill Quartzite		Connemara Marble	Donegal Quartzite	4500 +	



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From the A 1079 York road at Bishop Burton turn on to Finkle Street at the end of the village, sign posted for village shop.

Take the lane 2nd right, signpost for Coldharbour Farm, follow this to the chalk road at the end and turn right into Coldharbour Farm (3rd entrance on the right).

