

Candidates for plaques

(* plaques erected)

Shipping

Unknown Engineer (probably a monk) – digging St Augustine’s Reach 800m x 40m x 6m completed in 1247 (!!!) made Bristol an international port - diversion of Avon to construct Bristol Bridge in stone also completed in 1247. Amongst the greatest engineering works any where in Europe between Roman and modern times

Various – wooden ships able to stand on the river bed at low tide – ‘Ship shape and Bristol Fashion’

William Jessop – digging the New Cut, making the floating harbour about 1807 – extending the life of the city docks to 1977.

* William Patterson – SS Great Western (1838) for Brunel, the first transatlantic liner - SS Great Britain (1843) for Brunel, biggest in the world, the mother of all modern ships, built of iron, driven by screw, balanced rudder – Demerara, largest sailing ship in the world

Thomas Guppy – 1000 HP engine for the Great Britain – pioneer industrialist in Italy

Stothert and Pitt – shipbuilders and crane makers to the world especially dock cranes.

Road Transport

John McAdam – invented macadamising in Bristol

Isambard Brunel and others – Clifton Suspension Bridge

William Brown – Severn Suspension Bridge, first with aerodeck. (suspension bridges over Forth, Humber, Tagus and Bosphorus)

Motorbikes, motor scooters, cars, lorries and buses have all been made in the city

Flight and Space

Frank Barnwell – Bristol Fighter, work leading to Blenheim, Beaufort and Beaufighter

* Archibald Russell – Brabazon, Britannia the first all weather transatlantic airliner and Concorde the world's only supersonic airliner.

Roy Feddon – Bristol radial aero-engines, slide valves

* Stanley Hooker – Superchargers for RR Merlin Engines – Derwent, Nene and Avon jets engines – Proteus, Orion, and Orpheus jet engines - RB 211 turbofan jet engine

Gordon Lewis (with Stanley Hooker) - Olympus for Concorde and Pegasus around which the Harrier jump jet was built

Raoul Hafner – Bristol Sycamore and twin rotor Belvedere helicopters

Alfred Pugsley – Airship R101

Don Cameron – world record breaking balloons

Peter Stewart – Gosling rockets for Bloodhound, Black Night rocket, 'inventor' of Super x

Satellites manufactured

Colin Pillinger – Beagle II Mars lander

Railways

Isambard Brunel – GWR and other broad gauge railways, atmospheric railway, Tamar and Thames bridges

Avonside – locomotive works

Pecketts - locomotive works

Scientists, Inventors, other Engineers

* Humphry Davy – poet (!) and friend of Southey, Coleridge, Wordsworth, and Walter Scott – Chemist, laughing gas for toothache relief, discoverer of more elements than anyone else – the safety lamp.

Abraham Darby – metallurgist, smelting of iron, moved to Shropshire and kicked off the industrial revolution

* Silvanus Thompson – electrical, optical, and radiation experimenter – great Victorian educator who wrote ‘Calculus Made Easy’

Bernard Lovell – Jodrell Bank radio telescope

William Fox Talbot – photographic process of short exposure, developing, fixing and contact print.

William Friese Green – cine photography

Alfred Irens – ac electrics for aircraft, helicopters for line patrols, aero engines for electricity generation

Prof Rawcliffe – pole amplitude modulated induction motors

Prof McGeehan – mobile phones

Prof Benjamin – the computer mouse, military command and control systems, reduction of radiation dose in CAT scanners to about 1 per cent

* (commemorative sculpture by Institute of Physics) Paul Dirac – Electrical engineer, mathematician and physicist, attempted to unify relativity and quantum theory by Dirac’s equation.

David McMurtry – Renishaw, manufacturing measurements, spectroscopy, dental CAD/CAM

Samuel Plimsoll – ships loading line – rubber soled shoes