

# Heritage of Industry

Journeys into the Industrial Past



## Association for Industrial Archaeology

### Annual Conference, Dundee, Scotland

9 – 15 August 2013

Members of the SIA are invited to attend the AIA Conference which is being held at the University of Dundee in August this year.

A fascinating combination of talks and visits to sites of Industrial Archaeological interest over seven days is assured. There is a choice of tours on most days and student accommodation is available.

Anyone may apply to attend the conference. Full details of conference choices, supplied by the AIA, are appended to this document and paper conference booking forms may be downloaded from the AIA website <http://industrial-archaeology.org/aconf.htm>

**Heritage of Industry Ltd**, which is responsible for overseas visits for the AIA and recently took a group to attend the SIA conference in Cincinnati, is offering a package of attendance at the AIA Conference which includes participation in all the conference events combined with transfers to and from Glasgow International Airport, some additional features and comfortable hotel accommodation.

Bookings for the whole package including your conference choices may be made via the Heritage of Industry website and payments may be made by credit card or PayPal.

## ITINERARY

*Items in blue italics are part of the AIA Conference*, all other items are supplied by Heritage of Industry.

### Thursday 8<sup>th</sup> August

Early morning pick up from Glasgow International Airport

A very brief look at Paisley

Paisley was an important town for the production of textiles and the famous woven pattern is named after it. Most famously the firm of J & P Coats used to spin cotton sewing thread here at their Anchor and Ferguslie mills, said to be the largest of their kind in the world in the 1930s.

A cruise on the paddle steamer “Waverley” from Greenock to Largs (a very relaxing morning)

Paddle Steamer Waverley has everything to offer for the steam enthusiast. Centrepiece is the magnificent 2100 horsepower, triple expansion steam engine, open to full public view. Watch the Engineer operate the engine as we arrive and depart from piers on your cruise. Also on view are the massive 18 foot diameter feathering paddle wheels. Watch the deck crew operate Waverley’s steam powered Windlass and Capstan as the ship arrives and berths; hear the clang of the telegraph as the Captain sends sailing instructions to the engine room.

Lunch at Nardinis “Scotland’s most famous café” at own expense

Drive to Dundee via North Queensferry with a photo-stop to see the Forth road and rail bridges

Overnight Premier Inn, Dundee central

Dinner at hotel at own expense

**Friday 9<sup>th</sup> August**

Breakfast at hotel

Minibus transfer to conference venue

*Morning: Seminars*

*Lunch included*

*Afternoon: Visits A, B or C (see details of visits below)*

*Barbecue & Evening lecture at RRS Discovery (Scott's ship)*

Walk to hotel

Overnight hotel

**Saturday 10<sup>th</sup> August**

Breakfast at hotel

Minibus transfer to conference venue

*Morning: Seminars*

*Lunch included*

*Afternoon: Seminars*

Minibus transfer to hotel

*AIA bus pickup*

*Conference banquet HMF Unicorn, South Victoria Dock Road*

*AIA bus drop-off at hotel*

Overnight hotel

**Sunday 11<sup>th</sup> August**

Breakfast at hotel

Minibus transfer to conference venue

*Morning: AIA AGM and Rolt lecture*

*Lunch included*

*Afternoon: Visits D, E or F (see below)*

*Group dinner included*

*Evening Lecture*

Minibus transfer to hotel

Overnight hotel

**Monday 12<sup>th</sup> August**

Breakfast at hotel

*AIA bus pickup*

*Visits G or H (see below) lunch included*

*Group dinner included*

*Evening Lecture*

Minibus transfer to hotel

Overnight hotel

## **Tuesday 13<sup>th</sup> August**

Breakfast at hotel

*AIA bus pickup*

*Visits I or J (see below) lunch included*

*Group dinner & Evening Lecture at Links Hotel Montrose*

*AIA bus drop-off at hotel*

Overnight hotel

## **Wednesday 14<sup>th</sup> August**

Breakfast at hotel

*AIA bus pickup*

*Visits K or L (see below) Lunch at own expense*

*Farewell reception at Verdant Works*

*Group dinner included*

*Evening Lecture*

Minibus transfer to hotel

Overnight hotel

## **Thursday 15<sup>th</sup> August**

Early morning pick up for transfer to Glasgow Airport

### **ACCOMMODATION**

Our accommodation is at the Premier Inn, Dundee Centre which is located by the side of the River Tay. All rooms are en-suite, air-conditioned with multi channel digital TV, and Wi-Fi is available (free first 30 minutes) and have a double (Queen) bed. Rooms requested as “Twin” have a second smaller bed made up in addition. The hotel has its own restaurant and bar. There is a lift to all floors.

### **TRANSPORT**

Transport to and from Glasgow Airport will be by luxury “midi” bus. A shuttle minibus will be provided at specific times for transport to and from the conference venue and tour bus pickup points.

### **COST – Heritage of Industry package**

All costs are in Pounds Sterling (GBP). The cost of the Heritage of Industry package, excluding the AIA Conference elements, is £545 per person sharing with a single supplement of £260. This cost includes:

- 7 nights accommodation with full English buffet breakfast
- Midi/Mini bus transfers as described above
- Waverley cruise, museum visit in Paisley as above
- All local taxes and service charges

Excluded are:

- Lunches and Dinners marked “own expense” above
- AIA Conference elements, see below
- Drinks
- Expenses at the hotel other than bed & breakfast

For your information, as at 16<sup>th</sup> April 2013, the exchange rate is about £1.00 = US \$1.50

## **COST – AIA Conference elements**

*All costs are in Pounds Sterling (GBP). The total cost, collected by Heritage of Industry as agent for the AIA, is approximately £540 (depending on exactly which visits are chosen). This includes all items shown in blue italics in the itinerary above, in summary:*

- *Friday Seminar, incl visits*
- *Main conference Friday 17.00 to Sunday 14.00, non-resident*
- *Conference banquet*
- *Sunday thru Wednesday visits and group dinners*

## **CANCELLATION CHARGES, HEALTH & INSURANCE**

Please note that cancellation charges will apply from 13<sup>th</sup> June 2013 and, although these will be modified to the extent that costs are not actually incurred, you are strongly advised to insure against the need to cancel and to cover medical treatment and repatriation charges in the event of illness etc. Participants who do not have travel insurance must nevertheless accept full responsibility for these eventualities.

## **PASSPORTS, VISAS & IMMIGRATION**

All participants must ensure that they carry a valid passport for entry into the UK. You may also need a visa. To check visa requirements visit the UK Border Agency website

<http://www.ind.homeoffice.gov.uk/visas-immigration>

Heritage of Industry cannot be held responsible for any problems with entry into the United Kingdom.

## **BOOKING**

Bookings should be made on-line at <http://www.heritageofindustry.co.uk> or on the attached form and will be taken on a first-come, first-served basis, subject to space availability. Booking is subject to a minimum of 8 people. Book as soon as possible and **by 13<sup>th</sup> June 2013** to ensure a place **but please feel free to enquire after that date if a place is still available**. We will contact you as soon as possible to confirm the booking and to issue an invoice for the balance of the price.

A non-refundable deposit of £50 per person is required on booking. Bookings can be made definite only when the booking form or electronic details and deposit are received and accepted in writing by Heritage of Industry Ltd. The company's standard terms and conditions apply. The balance of the price is to be paid to Heritage of Industry Ltd on presentation of the invoice. All monies paid to Heritage of Industry Ltd will be held, in accordance with government regulations, in a customer protection account until the tour is complete so that your money is safe no matter what happens.

Paper booking forms must be accompanied by cheques made out in Pounds Sterling and drawn on a UK bank or a direct interbank transfer of Sterling to our account.

After completing the online application form facilities will be provided to pay deposits by credit card or from a PayPal account.

Unless otherwise requested, invoices will be sent via PayPal to the email address given on the application form and they may be settled online by credit card or from a PayPal account.

**Enquiries about this tour** should be directed to Bill Barksfield, Managing Director, Heritage of Industry Ltd, Hunters Moon, Gorelands Lane, Chalfont St Giles, Bucks HP8 4HQ Tel/Fax: +44 1494 873677

Email: [bill@heritageofindustry.co.uk](mailto:bill@heritageofindustry.co.uk)

Bill Barksfield

17<sup>th</sup> April 2013



## **Friday 9th tour A: Dundee City Centre, Dens**

4 hours on foot with Neil Grieve, Tayside Building Preservation Trust (TBPT).

A walk through the medieval burgh, with Victorian improvement, to see the striking adaptation of a hackleworks as Dundee City Council HQ, DC Thomson publishing houses, whisky bonds and a restored hydraulic lift in Dundee Calender (cloth finishing); housing association re-use in the 1980s of Upper Dens Linen Works (1833/1850). A cast-iron framed marine engine works of Dundee Foundry, 1871, now M&S foodstore, still has a travelling crane. Visit the closed Customs House (1843); and join tour C at Victoria Dock, 1837/1874. Short walk to BBQ at Discovery Point (and our coach may take some there).

For tours B & C: BTRB and CTRB: optional Tay Rail Bridge.

We can form groups of 12 to access the Tay Rail Bridge, the longest British bridge, re-opened in 1887. A bus will circulate between Tours B and C collecting those who are fit (and so judged by Network Rail), wearing boots and are willing to clamber on the approach ramp and duck the cross spars of the girders curving over the River.

## **Friday 9th tour B: Scouringburn /Tay Bridge**

2 hours on foot in Blackness Industrial Conservation Area containing Ward Foundry (est. 1810, J&C Carmichael steam engine makers), printing works, several jute and flax mills ranging in date from 1799 to 1889, adaptively reused for artists, student accommodation, and small businesses, with a unique cast iron roof or two. Tour concludes at Verdant Works, Micheletti Award-winning museum of the jute industry, where participants may stay to see jute machinery in operation or join second BTRB coach to Tay Rail Bridge. Short walk from there to BBQ at Discovery Point. (Note: the longer stop at Verdant Works is for those not here on 14<sup>th</sup> August, or not physically able to go on the Tay Rail Bridge. Coach will collect from Verdant at 5pm to drop at Residences or Discovery Point).

## **Friday 9th tour C: Dundee Docks /Tay Bridge**

Drops group CTRB at Tay Rail Bridge, then continues by coach to Stannergait, to view oil support industries in Caledon shipyard and a bitumen refinery (or Dundee Transport Museum's collection). Then 3 hours on foot at Victoria Dock: swing bridge and Clocktower Warehouse (lofts, fireproof, 1877); optional North Carr Light Vessel (1935, fog horn compressors (3 groups of 8, steep steps, confined space), while others explore Harbour Workshops, the ramp of an 1837 patent slip, Panmure yard (launch slip of RRS Discovery), viewing the 1873 Graving Dock, HMS Unicorn and the Tay Road Bridge (1966). CTRB group will rejoin at Victoria Dock.

Short walk to BBQ at Discovery Point (and some may take our coach there).

## **Sunday 11th tour D: Perth and Stanley**

O.S. Landranger 53

By coach with Chris McGregor HS and Russel Coleman, SIHS and Headland Archaeology.

Perth Waterworks, 1832, now the Fergusson Art Gallery, has a domed circular cast-iron cistern, recently repaired. A medieval lade serves former Pullar's Dyeworks (home of the mail order dyeing service) and Perth City Mills (corn, waterwheel). North to Stanley cotton mills and company village, founded by Sir Richard Arkwright and partners, its 1787 Bell Mill substantially intact. We offer a special look at the collection store on the upper floors, with cruciform iron columns. Large wheel pits were excavated in 1995-9. Other mills of 1794 and 1823 were converted to housing in the first Prince's Regeneration Trust project. Europa Nostra Award winner 2009 and Special Commendation in AIA publications awards, 2012.

## **Sunday 11th tour E: Angus steam**

O.S. Landranger 54

By coach with Rowan Brown, National Mining Museum Scotland and STICK.

Montrose airfield was set up the RFC in 1913, has some early hangars and a replica Sopwith Camel. From Bridge of Dun (1787) a Caledonian Railway steam train takes us to Brechin, and station buildings of 1848 and 1895. Tea. Brechin Townscape Heritage Initiative has just completed its improvements to the centre. On return,



time permitting, pause at Glamis estate village with weavers' cottages, Baxter's Glamis Mill (1808, flax) and large barns most likely for home-grown and retted flax.

### **Sunday 11th tour F: photo circuit of Bonnie Dundee**

O.S. Landranger 54

Infrastructure, jute mills, parks, industry and housing seen from an open-topped bus.

Highlights worth a stop are: Linlathen bridge, c1800 arch with hooped spandrels of wrought and cast iron, repaired by Dundee City Council. Barry Corn Mill, Carnoustie, built 1814, a working corn mill with a wheel and a semicircular kiln. Broughty Ferry station, built in 1838, is still in use. Camperdown Works (1850-1868) is largest of all 19<sup>th</sup> century jute works, converted to mixed use, notably the High Mill, 1857-68, a clock and bell tower and the 282 foot campanile Cox's Stack. The nascent endeavours of the Dundee Transport Museum will be explored either at Maryfield Tram Depot or in stores. We will ask what will be rolling off the presses of DC Thomson, printers of the Beano (but no promises about that).

### **Monday 12th G: Ericht and Royal Deeside**

O.S. Landranger 44, 53

By coach to jute mills, bridges and whisky, with Mark Watson, HS and SIHS. In Blairgowrie and Rattray small jute spinning mills are paired so as to share weirs on the River Ericht. The waterwheel of Oakbank Mill, and its external drive shaft, are on view. Horizontal steam engines were added to some mills to supplement power. Balmoral bridge is the only work in Scotland by IK Brunel, an elegant plate girder bridge erected in 1856-7. Lunch at Royal Lochnagar Whisky Distillery and a visit to it (for 34 first-comers) or nearby Crathie Suspension Bridge (J Justice of Dundee, 1834). Military Road Bridges at Invercauld (1752) and Spittal of Glen Shee adorn spectacular highland scenery on this route.

### **Monday 12th tour H: Highland Perthshire**

O.S. Landranger 51, 52, 53

By coach to see bridges, whisky and printing, with Linda Ross, STICK and SMM. Logierait Bridge, 1865 wrought iron truss between cast iron piers, was recently restored by a trust as a non-adopted road bridge, formerly rail. In Aberfeldy see: a corn mill/book shop/art gallery; the world's first fibre-reinforced composite polymer bridge (Bill Harvey 1992); Wade Bridge (Wm Adam 1733) and Aberfeldy Distillery (1898; tour and lunch). In Coupar Angus the Quarto printing press perpetuates the Gutenberg tradition of hand-set lead type. Return via the planned town of Newtyle, end of the line for the Dundee and Newtyle Railway, 1831. It relied on three steam-hauled inclined planes, and horses hauling trains on level stretches.

### **Tuesday 13th tour I: Finzean, Echt, Mearns, Montrose**

OS Landranger 44, 45, 38

By coach to water-powered wood working mills, a silent beam engine and fishing harbours in the old counties of Kincardineshire and Aberdeenshire. Finzean Bucket Mill, Turning and Saw Mills have timber water wheels of the single ring "start and 'a" type operated by Birse Community Projects as an active wood yard. Lunch there or at Finzean Farm Shop. Then via Banchory to Garlogie, a silent c1830 single-cylinder beam engine, hydro turbine and generator behind the village hall. Back along the coast through Inverbervie (bridges of 1799, 102-foot span, and 1936) and picturesque fishing harbour Gourdon, then into Montrose and its gable-ends (see J, below).

### **Tuesday 13th Tour J: Aberdeen and Montrose**

O.S. Landranger 38

By coach with Ellie Swinbank, NMMS/ STICK, local support from Aberdeen Maritime Museum and Peter Heald, AIA.

In the granite city the group splits, J(1) takes a boat tour of busy Aberdeen harbour; and J(2) Rubislaw Granite Quarry is for people who must be able to use both hands for rope access into a huge hole in the ground that provided building material for Aberdeen, now filled with water. Groups reunite at Aberdeen Maritime Museum for lunch then see the archaeology of past and present local or North Sea Oil industries. Broadford Works (1808,



oldest fireproof mill in Scotland, a city within a city), has a masterplan for development. We will either get in here or see assorted sites in Torry and Wellington Suspension Bridge by Samuel Brown.

Both Tuesday tours unite at Montrose for a guided walk with members of Montrose Society, and former Angus Council Conservation Officer Paul Mitchell, an evening meal and a public lecture on the "Industrial Archaeology of Montrose" by Prof John Hume.

### **Wednesday 14th tour K: Angus Coast**

O.S. Landranger 54

By coach to see salt, fish, lime, boat-building, and stone quarry with Torsten Haak, Glasgow City Heritage Trust, Mark Watson and Colin Tennant, HS.

SCAPE Trust recorded industrial archaeology threatened by coastal erosion at Boddin lime kilns, on a spectacular promontory (uneven paths), and Fishtown of Usan, an active fishing station, originally a saltworks. In Arbroath wooden trawlers are built and hauled up George Morton patent slip by 19<sup>th</sup> century gearing. The winch house and a mass-concrete sail loft were repaired through the Arbroath Abbey to Harbour Townscape Heritage Initiative.

Lunch not supplied - why not try kippers or smokies hot-smoked in "barrels"?

Tourist shopping; Signal Tower Museum interprets Bell Rock Lighthouse (1811). Then to Arbroath railway station (1911 in current form. Chance to catch the 15.48 East Coast train to London) and Keptie Hill Water Tower (1885). Pitairlie pavement quarry recently reopened to split local sandstone into 'Grey slate' roofs, part of the Angus vernacular, and flagstone that paves many cities.

### **Wednesday 14th tour L: Deanston Distillery, Doune**

O.S Landranger 57

Cotton mill and whisky distillery by coach with Miriam McDonald, RCAHMS and STICK.

Via Auchterarder, pause for coffee/w.c/shopping at Tullibardine distillery, Blackford (no tour of the distillery, which dates from 1949).

Explore Doune to obtain your own lunch

Tour Deanston Distillery, cotton mill established in 1784, acquired for distilling in 1972. Engineer James Smith has left a legacy of early 19<sup>th</sup> century mill buildings, a dome-vaulted 1820s weaving shed (now a whisky bond) that was the model for Marshall's Temple Mill in Leeds, and a turbine house, the location for (now absent) suspension wheels. The Arkwright mill was replaced in the 1940s by a new mill that now houses the distillery seen in the film "The Angels' Share". A visitor centre opened in 2012. 19<sup>th</sup> century company housing lines the mill lade.

Both tours K and L reunite at Verdant Works, Dundee for a farewell reception.

### **Thursday 15th Tour M: North East Fife**

O.S. Landranger 59

By coach with Mark Watson, HS, and Jennifer Reid, NMS, with Robin Murdoch and Paula Martin

The Tay Rail Bridge is at its greatest height over water at the Fife end, with poignant brick bases of the first 1877/79 Bouch bridge. Half of the girders of his Tay Rail Bridge were re-used here. See the triple-coat repainting close up, or view the famous perspective from the Wormit shore to Dundee. St Monans salt pans will be interpreted by its excavators. The Scottish Fisheries Museum, Anstruther, has an extensive collection of boats. AIA (Anstruther Improvement Association) is working on a Townscape Heritage Initiative.

Buy your own lunch - several fish and chip shops are near the museum.

Guardbridge paper mill (the process record published in IAR) was recently acquired by St Andrews University to provide space for businesses like a microbrewery. Drop off if requested at Leuchars Station (the 16.21 direct East Coast train arrives in London at 22.27, winter timetable. summer will be similar). The rest return to Dundee.



## Friday Seminar 9th August

### Iron Structures

- 09.45 Introduction. Prof John Hume, chair
- 10.00 Dr David Mitchell, Director of Conservation, Historic Scotland: "Innovations"
- 10.25 Prof Iain MacLeod, Strathclyde University "Why the Tay Bridge fell"
- 10.50 Duncan Sooman, Head of Engineering, Network Rail Scotland and North East "Conservation of the Forth and Tay Bridges, and their new three-coat paint systems."
- 11.30 Jim Mitchell, consultant, and Martin Lorimer, Dundee City Council "The Conservation of Linlathen Bridge" (tour F on Sunday 11th)
- 12.10 Discussion, then Lunch
- 13.30 Tours of inner Dundee.

The option for limited numbers of getting onto the Tay Rail Bridge in tours B, C, and M is now full, except for those who are already booked, so alternative site visits will be explored with local voluntary help.

Tour A goes via the main city museum where people can rest limbs. A coach will take and drop groups to/from Verdant Works (B) and Docks (C). Group B can enjoy Verdant Works Museum for 20 mins or a full one to two hours. The final stage in the development project for the spinning mill recently won Stage 1 HLF funding, so this is a last chance to see it before its transformation.

Tea breaks are included in each tour.

- 17.00 / 17.30 Tours A, C and bridge party B conclude at Victoria wet dock and North Carr Lightship (in groups of 8). There follows a walk to:
- 18.00 BBQ at RRS Discovery.
- 19.00 Welcome by the Chair or Director of Dundee Heritage Trust
- 19.15 Evening Lecture, Prof John Hume: "The Industrial Heritage of Central/ North East Scotland"

This seminar is a build-up to the "Metal 2013" international conference held by ICON in Scotland, 16-20 September. Historic Scotland may also hold a seminar on the history of iron in Falkirk on 5 June. See <http://www.metal2013.org/>. Thus it compliments the 'Rust, Regeneration and Romance' conference on iron landscapes in Ironbridge in July.

Mark Watson - AIA