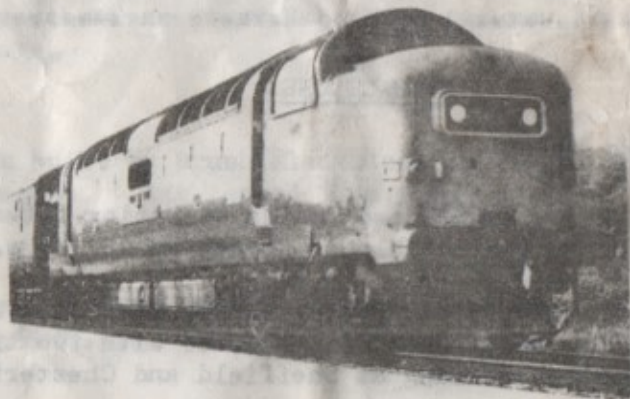
 **British Rail** Eastern



# **BARROW HILL OPEN DAY**

**SUNDAY 4th OCTOBER 1981**

**1000 hrs. - 1800 hrs.**

**ADMISSION PROGRAMME 50p**

Proceeds to be donated to :

St. Christopher's Orphanage  
Railway Convalescent Homes  
Local Charities

A welcome is extended to all visitors by Mr A. Pattinson, Area Manager, and an opportunity offered to see round the Barrow Hill Diesel Depot.

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### ATTRACTIONS

#### HIGH SPEED TRAIN

One of the new High Speed Trains operating between London and Edinburgh and capable of speeds up to 125 m.p.h.

Starting Monday, 5th October, these units will be introduced on the North East/South West service with two trains in each direction calling at Sheffield and Chesterfield.

#### TRAIN RIDES

- (a) On a narrow gauge miniature steam train (loaned and operated by Mr G. Bird, B.R. York).
- (b) In a coach hauled by a 204 H.P. Diesel.

#### T.O.P.S. (TOTAL OPERATIONS PROCESSING SYSTEM)

A real-time logic computer system which accepts information, processes it and provides new information in milliseconds. Contains records of all freight rolling stock and locomotives and maintains up-dated records of all movements.

#### RAILWAY PRESERVATION SOCIETIES

#### LIGHT REFRESHMENTS

#### CLASS 56 LOCOMOTIVE

3,250 H.P. Locomotive designed by Brush with English Electric 16 cylinder engine. Max. speed 80 m.p.h. Weight 128 tons. Newest type of freight locomotive mainly used for hauling coal from Collieries to Power Stations in Merry-go-Round trains.

#### CLASS 55 LOCOMOTIVE

3,300 H.P. Locomotive built by Napiers with 2 x 16 cylinder English Electric Engines. Max. speed 100 m.p.h. Weight 100 tons. Used on passenger trains on the East Coast Main Line and now being used by the High Speed Train.

#### CLASS 47 LOCOMOTIVE

2,750 H.P. Locomotive built by Brush Electrical Engineering Co. Sulzer 12 cylinder engine. Max. speed 95 m.p.h. Weight 114 tons.

#### CLASS 37 LOCOMOTIVE

1,750 H.P. Locomotive built by English Electric Co. with 12 cylinder engine. Max. Speed 90 m.p.h. Weight 108 tons.

#### CLASS 31 LOCOMOTIVE

1,470 H.P. Locomotive built by Brush with English Electric 12 cylinder engine. Max. Speed 90 m.p.h. Weight 107 tons.

#### CLASS 20 LOCOMOTIVE

1,000 H.P. Locomotive built by English Electric Co. with 8 cylinder engine. Max. Speed 75 m.p.h. Weight 72 tons.

#### CLASS 08 SHUNTING LOCOMOTIVE

Built by British Rail with English Electric Diesel Engine.

#### CLASS 03 SHUNTING LOCOMOTIVE

Built by British Rail with Gardner 8 cylinder engine and self-reversing gearbox. Very few of this type of Locomotive are in use on B.R. Possibly the last opportunity to see this type at Barrow Hill as they have now been withdrawn from local service.

#### TYPE 13 LOCOMOTIVE

Basically 2 Class 08 Locomotives, these Engines were specially designed for use in Tinsley Marshalling Yard shunting heavy trains off the Barrow Hill Lines.

AUTOMATIC WARNING SYSTEM

A device used on main lines for warning Drivers on passing a signal at Caution. An automatic brake application is made and a horn sounds in the Locomotive Cab; Static Display showing indications received in the Locomotive.

RESEARCH DEPARTMENT

Photographic and model display of research projects taking place at Derby and elsewhere.

FREIGHT VEHICLES

Modern Air-Braked Freight Vehicles.

IRELAND COLLIERY BRASS BAND

A relatively newly-formed Brass Band of talented youngsters who will provide entertainment during the day.

TERRITORIAL ARMY DISPLAY

A static display on the Car Park showing some of the vehicles and equipment used by the Territorial Army and shown by courtesy of the Boythorpe Road T.A. Organisation.

\*\*\*\*\*

ACKNOWLEDGEMENTS

Appreciation is expressed for the assistance given by the following:

PROCOR U.K. LIMITED,  
CHESTERFIELD BOROUGH COUNCIL

\*\*\*\*\*

Donations so far to Charities from our Open Days

Total = £11,416

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