## THE TIMETABLE

Friday 7 February
Library Evening, 18.00. The Society's Library open for inspection at 62 Beauval Road, Dulwich, London, SE22 8UQ
Friday 14 February
Talk, 'Press and Public relations in the London Underground', by Mr.N.Garrie, Press and Public Relations Officer (Rail), LRT. 19.00 for 19.15 in the Conference Room, Baden-Powell House.
Tuesday 25 February
Library Evening, 18.00. Details as for 7 February.
Saturday 1 March
The ' 0 ' Gauge Tram Group will be holding their 26 th Transport Mart \& Film Show, at The Y.W.C.A. Central Club, 16-22 Great
Russel Street, London, WC1 3LR. Doors open at $2.30 \mathrm{p} . \mathrm{m}$.
Adult $60 p$ Child 30 p . Film show Adult El. 50 Child 50p.
Friday 7 March
Talk, 'LRT Breakdown Organisation'
19.00 for 19.15 in the Conference Room, Baden-Powell House.

Friday 21 March
Annaal General Meeting, see page 27 of this issue for full details.
Friday 11 April
Talk, 'Prototype Rolling Stock', by Mr.R.J.Greenaway, 19.00 for 19.15 in the Conference Room Baden-Powell House.

Wednesday 30 Apris
Library Eyening, 18.00. Details as for 7 February.

LONDON TRANSPORT UNDERGROUND TIMETABLES

by<br>Brian Hardy<br>\section*{Part I<br><br>The Contral Lifo}

## Contumed from page 5 of UN 289.

WTT Ma. 148 - 5.11 .1945
Peale mentices incireased to $27 \times 6$ (MF morming), $32 \times 6$ ( (so widday), reatorins a 2 -minute service to the central arem on MF, and thus 4-mimates to Ealing. XF miday off-peak increased to $8 / 4$ throughout emidening of peak restored to $12 / 6$. Saturdery afternoon and ovening service increased from $12 / 6$ to $10 / 5$ and Sundays aftor. 16.00 altered to $15 / 5$ with one extra train in service. No outstabline it Marble Arch; Queensway or Liverpool street.

## WTT No. $109-6.5,1946$

Incroase in peak service to $31 \times 6$ (MF morning), $34 \times 6$ (MF evening) and $28 \times 6$ (S0 both) with a longer period of 2 -minute intervals. Saturday morninge between panke improwed from $10 / 5$ to 8/4. On sundays local ervice increated to 6minute intervals, but Ealin审 zervice reduced to 18 minaites, between 11.00 and 16.00 .

## UTF Mo. 110-7.10.1946 (MF so)

Earlier start to NF morning peak with two extra trains in service. No change to evenins palk, but 50 . miday peak increased to $30 \times 6$, mat so morning reduced to $27 \times 6$, MF midday off-peak of 8/4 pattern improved to $7 \frac{1}{2}$ Ealing; $2 \frac{1}{2}$ Wood lane. HTY No. 111-18.11.1946 (MF \& SO)
No change to maxizum stock totals or zervice intervalis, but additional trains in aervice in off peaks for trial running enst of Liverpool Streot to Drapers Field (every $7 \frac{1}{2}$ betreen 10.15 and 15.45 and every 10 minutes between 19.45 and 22.00 NF, every 10 mimates 15.15 to 22.00 so ).

## MTT No. 112-4.12.1946

Extension Liverpool Street to Stratford. $40 \times 6$ trains in each peak MP and SO. Marble Arch and Queensway sidings reintroduced for outstabling of traisis. With no depot at the east end of the line, so that the maximum 4-minute paak aervice could be worked westbound from Stratford between 07.03 and 09.39 a 2 -minute interval service commenced at 06.46 at Wood Lane eastbound.
xt would be useful at this stage to sumarise and update service intervals and trains in service:

| - . | $\begin{gathered} \text { Ealing } \\ \text { tood } \\ \text { Lane } \end{gathered}$ | Mood <br> Laze * <br> L'pool. Street | L'pool <br> street <br> s'ford | Trains in Service |
| :---: | :---: | :---: | :---: | :---: |
| Mondaymeriday |  |  |  |  |
| Peatas | 4 | 2 | 4 |  |
| Midiay | $7{ }^{7}$ | $2 \frac{1}{6}$ | 5 | 31 19 |
| Evenixg | 10 | 5 | 5 | 19 |
| Saturaty |  |  |  |  |
| Peas | 4 | 2 | 4 | 0 |
| Mortaing . ${ }^{\text {a }}$ | $7 \frac{1}{8}$ | $2{ }^{2}$ | 5 | 31 10 |
| Aftitwening | 10 | 3 ${ }^{3}$ | 5 | 19 |
| 18.30 to 19.30 | 10 | $3-3 \frac{1}{2}$ | 5 | 24 |
| Syuskax 11 |  |  |  |  |
| Betore 10.00 | 20 | - 10 | 10 | 11 |
| 10.00 te 16.00 | 12 | 6 | 6 | 15 |
| After 16.00 | 10 | 5 | 3 | 18 |

HTT $\mathrm{NO}_{0} 113-3.2 .1947$ (MF SO)
Improvaments to 1 nyover times at Wood Lane and Eailing Broadway. No other major changes.
WTT No. 114-5.5.1947
Extension from Stratiord to Leytonstone with stock totals $48 \times 6$ (MF), $45 \times 6$ (SO) and $21 \times 6$ (Sun). Outstabling of trains additionally introduced at Holborn and Liverpool Street, with two six-car trains (instead of one) at Marble Arch. Intervals as follows:


Note ( puring off-peak times, to catex for HNER parcels trains, certain Leytonstone trains reverse at Liverpooi' Street, giva" ing a number of 10 mainute intervals. Such trains pick ug their scheduled westboung worling, thum spending one 37 minutes in Liverpodi street siding.
UTE NO. $115-30.6 .1947$
Extension North Aotom to Greenford. Stock incransed to $52 \times 6$ (MP), $49 \times 6$ (so) and $24 \times 6$ (Sun), of which tous trainu atable at Ereentord. Peak earices to both areenford and lalimg each 6-minintes (representing a reduction of service to the latter), midday $7 \frac{1}{2}$ and avening 10 . Stepp-ing-up of train crew introduced at Leytonetope on MF 07.50 to 09.10 and 16.48 to 18.34 . Lat vestiges of eariy-morning non-stoppint (at the 'Actons') witharawn.
WMT Na, 116-8.9.1942 (MP \% 50)
Slightly increased running times for rebrillding work at Wood Lane and the future Mhite City station. No change to maximum stock, faryice intervals or operating patterms.

## HKT NO. 117 - 23.11 .1947

Introduction of som seven-car trains and increase in Saturday peak by two trains. Stock now $29 \times 7$ and $23 \times 6$ ( 52 WF), $29 \times 7$ and $22 \times 6$ (51 so) and $12 \times 7$ and $12 \times 6$ (Sun). Opening of new station at White City mind pormanent closure of wood Lane station. Many trains to and from Nood lame depot run empty to and from Shepherdis Eush before and after the pesict, sumarised as follows:

## starts -

14 trains 06.24-07.45 MF
15 trains $12.40-17.01 \mathrm{wp}$
12 trains 06.24 - 07. 45 s0
11 tratns $11.02-12.3350$
stablers -
15 trains 09.16-13.28 M
19 traims 18.28-20.03 MF
11 trains 09.11-10.2750
20 tritis $13.19-14.5690$
Presumably traino had SHEPLERDS BUSA destination



## Photographs on page 15

Top: The last day of operation of the 2938 Tube Stock was described in the previous issue of Underground News. On the morning of 20 November 1985, the last available train (the 'Starlight Express' - units 10291 and 11012) worked train 231, as seen here at Harlesden at 09.38, on its way back to Stomebridge Park.
Lower: DM 11012 (which was originally 11178) ts at the rear of the same train departing frow Harlesden, as a seven-car 1959 Tube Stock train arrives, working the 09.26 ex-Harrow \& Wealdstone. Note the two different headboards at each end of the train - that on 11012 being prepared by the Stonebridge Park depot staff while that on 10291 (top picture) was made up by one of our Society members.

## Photographs Opposite

The evening peak of 20 November 1985 saw the Starlight Express work train 230, starting and stabling at Stonebridge Fark, working three round trips. At Oxford Circus, the first northbound journey to Stonebridge Park (top photo) is seen departing, modernisation of the Bakerloo Line platforms here having been completed. The scene at Queens Park (lower photo) at about 18. 15 , before reversal for the last round trip. By now, many enthusiasts had joined the train and at the same time. Thames TV were at the south end of the station filming event for their programe Thames News.

## All photos: R.J.Greenaway

plates, and train desciribers were able to show this short working (?).

## WTP NO. 1 - 14.12 .1947

Extension beyond Leytonstone to Newbury Park and Woodiord. Introduction of some eight-car traing. Stock totals now $55 \times 7$ and $12 \times 8$ ( 67 MF ) * $54 \times 7$ and $12 \times 8$ ( 66 so) and $28 \times 7$ (Sun). Maximum usse made of sidings for stabling, on MF being Greenford (4 trains), White City (1), Ealing Broadway platform (1), Wood Lane depot (30), Queensway (1), Marble Arch (1), Holborn (1), Liverpool Street (i), Leytonstone $4 B$ loop (2), Newbury Park (10), Woodford aidings (6) and Hainault depot (9). Although trains terminated at Newbury park, nine trains ran empty between there ard Hatnault depot. These operated via the Grange Hill end of the depot, revarsing in Grange Hill station. At this stage, the LT signalling at Hainault was not complete: One four-car train also operated from and to Hainault depot for the conveyance of depot staff. Operating on MF and SO, this left Hainault depot for Newbury Park at 06.23 and Newbury Park for Hainault at 08.02 .

During the MF midday off-peak services were not self-contained, each train working in sequence: Greenford-Liverpool Street-White City-Hioodford-Eallng-Newbury Park-Greenford, with $46 \times 7$ in service. After the evening peak 28 trains ( $5 \times 8$ and $23 \times 7$ ) provided self-contained services Greenf ord-Woodford and Ealing-Newbury Park, which was also the pattarn So afternoon and evenings and Sundays at the relevant intervala. Reduction made in number of direct trains to and from Kood Lane depot via Shepherds Bush (variable between 8 and 11 in each peak).
Sunday service before 09.30 increased on western branches to 15,5 central area, 10 eastern branches. Atter 09.30 intervals 10 minutes all branches and 5 minutes central area.
During the currency of this timetable, MF maximum stock amended to $65 \times 7$ and $2 \times 8$ (reduction in, and inability to operate 8-car trains - overall total of 67 unchanged), applicable from jan-
uary 1948.

## WTT No. $2-2.2,1948$

Wood Lame depot renamed White City, atill prozviding 30 trains for service, with some direct to and from Shepherds Eush. Stock totals reflect changes made in previous month. Six traing transferred to Hainault for stabling, from sidings at Queensway, Marble Arch, Holborn, Liverpool. Street and Leytonstone, leaving these free for emergency reversing. Peak service on western branches improwed to $4-6$ instead of $5-6$, so that White city reversers are every 8 minutes instead of every 6 minutes. Service patterns in the peak through the central area thus: White City/Ealing /Greenford/Ealing/White City/Greenfori/Ealing/ Greenford, with 2 -iwnute intervals through the central area.
Reduction in trainm during MF midday off-peak fron 46 to 41 , with introduction of self-contained services and regular Marble Arch reversers. Service patterns thus: Greenford-Newbury Park, Ealing-Woodford and Marble Arch-Liverpool Street each service $7 \frac{1}{2}$ minutes, giving a $2 \frac{1}{2}$ minute reequency between Marble Arch and Liverpool 5 treet. Eventug off-peak not self-contained, operdting Greenford-Woodtord-Ealing-Newbury Park-Greenford.

## WTT NO. $5-31.5 .1948$

Extension Newbury Park to Hainault, with 73 trains in service $(61 \times 7$ and $12 \times 8) \mathrm{MF}, 69 \mathrm{So}$ ( $57 \times 7$ and $12 \times 8$ ), and $29 \times 7$ Sun. No stabling at Newbury Park. WB morning peak and EB evening pealk increased to $1 \frac{1}{2}-2$ minutes in central area (34 trains per hour, 17 to aach eastern branch): Introduction of Newbury Park reversers in peaks 06.47 to 10.32 and 16.25 to 18.35 (MF), 07.26 to 09.08 and 12.16 to 13.52 (SO)-peak service to and from Hainault is thess $3-8$ minutes. Alil trajns to and from Hainault depot via Hainault station (i.e. none via Grange Hill-presumabiy in preparation for the forthconting electrification of the 100 p ). MF ridday off-peak increased by two tratns in service to 43 , but patterns as in previous timetable with improved layovers. Saturday evening service after 17,00 increased from $10 / 5$ to $7 \frac{1}{2} / 3 \frac{1}{3}-\frac{1}{2}$.

## HT2 NO. $4-21.11 .1948$

Extemsions Woodford-Loughton and HoodfordHainault in the east and Greenford-kest Ruislip in the west. Maximum stock 76 trains MF and 50 (64×7 and $12 \times 8$ ), plus $2 \times 3$ and $2 \times 4$ for shutile trains, Sundays $33 \times 7,2 \pi 4$ and $1 \times 3$. Transfer of most stock from White city depot (which becomes a stabling point) to Ruislip depot. White City depot providea just nine trains and ix used only at the start and close of traffic. All trajns to and from depot via white city station. Stabling of trains at Woodford Withirawn. Peak sarvice patteraz improved at western end of the line, with White city reversers every 10 minutes instead of every 8 . Peak pattern through central area thus: White City/ EalingiGireenford/Ealing/Vest Ruisisp. Introduction of 'main line' trains starting and stabling at Haimault depot via Grange Hill. Self contain. ed midday MF off-peak gervices: West RutalipLoughton, Ealing-Hainatult and Liverpool Streetm Marble Arch or White city. Same pattern Mp evening, So afternociterening - without the 'local. service. MF midday branch services reduced to 10 -minutes: $2 \frac{1}{2}-5$ White City-Marbie Arch and $2 \frac{t}{c}$ (no change) Marble Arch-Liverpool Street.
Service over the northern section of the Kallnault loop operates as oshuttie between hainault and Woodford 05.45 to 00.45 MF and sO , with a later start and earliex timish on Sundays. Service intervals between Kainault and Woodeord an ambitious 10 -rinutes ( $7 \frac{1}{2}$ peak and $S O$ after
17.00). Sundays: 10 minutes.

Sunday main line self-contained as MF and So, but working patterk altered to become West Rui-slip-Hainault and Ealing-Loughton.
Timetable also inclades LNER service east of Loughton, generaliy every 20 minutes ( 15 peaks) to Epping and 60 (30-45 peaks) to ongar.
WTM NO $5-23=5.1949$
No change to number of trains in service, but all four trains on Heinaujt-Woodford branch strengthened to four cars. Reduction of one train in service so peaks. Eight trains to stable at Newbury Park between Saturday morning and midday peaks.
MF midday and so between peaks reduced to 12 minutes branches, 3-6 White City-Marble Arch and 3 Marble Arch-Liverpool Street.
Sundays before 13.30 reduced from $10 / 5$ to $12 / 6$; with five less traine in service.
WTT No. $6-25.9 .1949$
Extension of service Loughton to Epping; with increase in stock to 79 trains ( $67 \times 7$ and $12 \times 8$ ) $\mathrm{Mr}, 1 \times 8$ less 50, plus $4 \times 4$ and $1 \times 2$. Sundays $34 \times 7,3 \times 4$ and $1 \times 2$. Existiag kervice intervals over most of line unchanged. Peak service to Epping 10-15 minutes with additional short workings to Debden. Introduction of four trains entering and leaving service via the Grange Hill end of haimanit depot and running in service via Hainault. Those depart Garange Hill at 06.00 , $06.15,06.54$ and 07.05 and correaponding workings arrive at Grange Hill at 19.11 (ex-White City), 19.52 (ex-Ealing), 00.09 and 00.29 (both ex-West Ruislip) - one is led to wonder hos these were indicated 'through the road", with no such provision of a 'Grange Hill via lainault' description (or destiration plate ? ) . Trains stabled at Newbury Park so between peaks reduced from eight to two. Stabling reintroduced at Woodford gidings ( 6 trains). Rolling stock redistributed at western end of inne so that Ruislip depot provides 26 trains and White City 13 trains (previousiy 30 and 9 respectively), with better utilisation of White city depot. During off-peak times a innited through service provided to Epping, with most traina terninating at Debden. To double the frequency to Epping, a one-train two-car shuttle (set No.90) woris between Loughton and Epping. Intervals over the 'new' section as follows:

|  | Through <br> to Debden | Service <br> Debden \& Epping | ```Snuttle L'ton & Eyping``` |
| :---: | :---: | :---: | :---: |
| Mondays to Fridays |  |  |  |
| Peaks | 3者-71 | 10-15 | $\square$ |
| Meaks | $12{ }^{12}$ | 4.8 | 48 |
| Evening | 10 | 40 | 40 |
| Saturdays, |  |  |  |
| Peaks | 3 $\frac{1}{2}-7 \frac{1}{2}$ | 10-15 | $\cdots$ |
| 10.00 to 11.30 | 12 | 48 | 8 |
| Afternoon | 10 | 40 |  |
| After 17.30 | $7 \frac{1}{2}$ | 372 | 372 |
| Sundays |  |  |  |
| Before 13.30 | 12 | 48 | 48 |
| After 13.30 | 10 | 18 | 40 |

This timetable also provides soparately the complete Epzing-Ongar service, operated on behaif of LT by Z ? (ER). This has been japroved to run generciliy cvery 40 mimutes - but not always corrasporitns to the main Central Lins service. Nost train, however, connect irito and from Lonrion serviees, but as the trequencies of the two ser-
vices did not always match, there were some frustrating and dubious connections-e.g. 11.17 arrival to $11.17 \frac{1}{2}$ departure $M F$ on one hands to 20.57 arrival and 21.18 departure so on the other ! There continues to be a gap in the MF and SO midday service to Ongar for freight traffic.

WTT NO. 7 - 5.2 .1950 (San)
The $12 / 6$ minute service extended to operate until 19.30. Through Epping and shattle service reduced to 48-minute intervals and iainaultWoodford shuttle reduced to 12 minutes in comsequence.

To be continued.

## THE UNDERGROUND AT CKRTSTMAS 1985

Yet again, services during the Christmas holiday pertod took the form of previous years With no Underground services at all on Christmas Day. To summarise, reduced peak services operated on Mondays and Tuesdays 23, 24, 30 and 31 December, with special arrangements on Christmas Eve to cater fox British Rail's early close-down, and on New Year's §ve, providing extra trains for New Year's reveliers.
On Christmas Eve, services which finished early included the Richmond branch (all trains to Ealing Eroadway) and Wimbledon branch (all trains to reverse at Putney Bridge) of the District Line from about 21.30, New Cross Gate. on the East London (all trains to New Cross) from 21.45, and Paddington (H.\& C. -all trains to non-ztop from about 22.35). In addition, the ER Maxylebone-Aylesbury service ceased early, the last trains being 21.10 Marylebone to Aylesbury, 20.40 Aylesbury to Marylebone and 21.40 Aylesbury to Harrow-on-the-Hill (then empty to Marylebone).
Services on Hoxing Day were mostly as in recent years, starting between 09.30 and 10.00 and finishing generally at Sunday times. The main alterations from 1984 were as follows:
(1) No service on Metropolitan Line to Watford or north of Rickmansworth, and thus no working via North Curve. Services $30 \mathrm{~min}-$ wites from Watford and Uxbridge, combining to 15 minutes from Harrow. Stations closed ADDITIONAL to 1984 were Amersham, Moor Park and Watford.
(2) No service on Piccadilly Line between Acton Town and Rayners Lane, with Alperton and South Harrow stations additionally closed. On the Cockfosters-Heathrow section, Caledonian Road station was also closed this year.
(3) Colliers Wood station closed additionally on the Northern Line.
(4) No increase in services on the Bakerloo or Central lines between 13.00 and 21.00 , the standard intervals applying all day:
West Ruislip-White City 30
White City-Leytonstone 15
LeytonstonemHainault $\quad 30$
Leytons tone - Loughton 30
Queens Park-Elephant \& Castle 15
Additional atation closed was St.Paula.
See over for table of trains in service on Boxing Day 1985.

On Friday 27 December, Saturday interval services operated on ali lines. However, with the Emeption of Aldwych, Shoreditch and West Brom-

| Before |  |
| :---: | :---: |
| 13.00 | 13.00 |
| 8 | 10 |
| after | to |
| 21.00 | 21.00 |
| 5 | 8 |
| 6 | 6 |
| 6 | 6 |
| 15 | 15 |
| 6 | $* 9$ |
| 12 | 16 |
| 10 | 15 |
| 10 | 10 |
| 4 | 4 |
| 74 | $* 89$ |

Metropolitan No. 1
Metropolitan No. 2
Jubilee
Northern
Victoria
District
Piccadilly
Central
Bakerloo
Total

Note *
Plus two spare trains on District and Victoria lines (grand total 93 trains) for football traffic.
pton, which remained closed, all other stations were open as on a normal Monday to Friday. This included the Epping-Ongar branch, on which a normel peak service operated.
On New Year's Eue 31.12.85, as in 1984, last trains from the central area were extended to finish 30 mimutes later than on a normal Monday to Friday. Sections excluded were those normally closed before 23.00 , plus Watford (Met), New Cross Gate and Aldgate. Included this year was the city branch of the Nortinern Line. Free travel was again allowed, sponsored by Hofmeism ter Lager, but from 23.45 (instead of 23.00 ) until last trains, or 05.00 (buses).

## ROLLING STOCK ALTERATEONS

AMEND delivery dates for new Battery locomotives to read:
$\underline{L 63-4.10 .85 \quad \underline{L 64}-30.10 .85 \quad L 65-29.11 .85}$
ADD for November 1985:
1938 Tube Stock -
From Ruislip, to Booths, Rotherham, by road for scrap -
$101481114812101012241 \quad 7$ th
$10188 \quad 11188 \quad 12015012268 \quad 15 \mathrm{th}$
1016111161012246 22nd
1030811308012414 29th
Note that 11188 mas origiaaliy 11235.
Service Stock -
From Ruisilp, to Booths, Rotherham, by road for scrap -
Ballast Motor 1255 22nd
Rail Grinding Car RG802 29th
Overhauls:
With the transfer of train overhauls from Acton Works to depots, starting with the Northern Line at Golders Green, the first units to be so treated were overhauled in November 1985 -
1150-2150-1151 6th
3463-4563-3563 13th

## December 1985

## 1938 Tube Stock:

From Stonebridge Park to Ruislip, withdrawn stock -

10291-012371-11291+10012-012256-12027-11012 5th
From Ruislip to Booths, Rotherham, by road for scrap -

101931119312054012282 6th
$10318 \quad 11318$ 012413 13th
1973 Tube Stock:
From Noxthfields to B.R. E.L. Derby, by road, for conversion to Track Recording Car -
514 19th
A Stock OPO Converstons:

| End | Unit | Neasdenacton | NeasdenRuislip | Ruislip -Acton |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 5212 | 4.12.85 | - |  |
| A/9 | 5058 | +12.85 | 9.12 .85 |  |
| 5 | 5218* | 13.12 .85 | 9.12.85 |  |
| A | 5128 | 17.12 .85 | - |  |
| Gnad | Unit | RuiglxpActon |  |  |
| A | 5080 | 3.12.85 |  |  |
| D | 5168 | 10.12.85 |  |  |
| A/D | 5088 | 20.12 .857 |  |  |
| End | Untit | ActonNeasden | RuisinpNeasden |  |
| A/D | 5098 | - | 3.12 .85 |  |
| A | $5130^{*}$ | 4.12 .85 | - |  |
| End | Unit | Entered Service |  |  |
| A/D | 5096 | 3.12 .85 |  | 1 . |
| $A / B$ | 5098 | 5.12 .85 |  | . |
| A/D | 5110 | 8.12 .85 |  |  |
| A/D | 5122 | 8.12.85 |  |  |
| A | 5130 | 12.12.85 |  |  |

Notes:
( Ruislip to Acton for testing after conversion*

- Includes half-iife overhanl.


## Misegilaneous Movements:

Li $30+$ ESL $117+\mathrm{L} 131$ Acton to Ruislip for scxap 3 rd
125 Lillie Bridge to Acton (2nd buckeye) 6th
Lit Acton to Ealling Common (overhaul, yellow
livery \& 2-ended buckeye) 18th
Li8 Acton to Ealing Common ('D' end buckeye -
${ }^{\text {F }}$ A end done previousiy 19.3.81) 20th

## Service Stock:

From Metro-Canmeli, Birmingham, delivered to Ruisilp -
Battery Locomotive 166 13th
Fron Ruislip to Booths, Rotherham, by road for scrap.
Rail Grinding oax Reg803 13th
Livery Alkerations:
From maxoon to yellow -
Battery Locomotive L47
Overhauls:
Units to Acton Works -
N1 1
Units from Acton Works

| Victoria | $3016-4016-4116-3116$ | 17 th | (c) |
| :--- | :--- | :--- | :--- |
| Central | $1482-2482-9483-1483$ | $19 t h$ | (i) |
| At Golders | Gxeen - |  |  |
| Northern | $1128-2128-9129-1129$ | $12 t h$ | (a) |
| Overhaul coles: |  |  |  |

yerhaul caueg:
(a) Standard Heavy Overhaul
(b) Heif-ifife Owerhaul
(c) 18-year Overhaul
(d) S-year Owertatul

In the autum of 1985，the North Woolwtch Station Museum in East London acquired a Metropolitan Railway electric saloon stock coach（top）from the Army at Shoeburyness．This was one of five such cars sold in $1943 / 44$ and initial detective work suggests this may be 3rd class trailer No． 4 ， which became 9486 in early L．P．T．B．days．A number plate on the underframe bears the number RCP 003021 ，which it was given when sold to the Axmy．Although the car is believed to be a trailer it can be seen that the bogies of 1930 oricin－were able to carry shoegear．
Coinciding with the North Woolwich car coming to light，at the beginning of 1986 ，another Metro－ politan alectric saloon coach（minus bogies）was＇found＇in central Gloucester，near the River Severn．This car has been ddfimitely identified as ex－1st class control traller No．54，which be－ came 6554 with LT；being of 1905 origin．This car（middle and lower photos）was someone＇s home until about $12-18$ months ago the driving cab had been converted to a bathroom／toilet，while the rest of the coach was made up into three separate room tup to the rear door．The car body is gen－ erally in poorer condition than that in East London，but is structurally sound．It is believed that the new owners of 6554 have no desire to keep it，and thus its future may be very short．CT No． 6554 was one of 15 Metropolitan cars sold on 26 August 1940 to an unknown buyer and destination and the present owners suggest that it arrived at its present site in 1946.
A11 photos：R．J．Greenawzy

## ROLLING STOCK REVTEW

No． 3 － 1985
Nem Stack

## 1983 Tube Stock：

Frora Metro－Cammell delivered to Neasden
Units： 3622362336243625
From Metro－Camell re－delivered to Neasdea after modifications
Units： 3601360236053604360536063608
Entered service；Jubilee Line
Units： $360136023603 \quad 360436053606 \quad 3608 \quad 3618$
3620.36213622362336243625

Stack Scrapoed
1938 Tube Stoctig（cara）：
$\begin{array}{llllllllll}10106 & 10148 & 10161 & 10187 & 10188 & 10193 & 10213 & 10214\end{array}$ $\begin{array}{lllllllll}10222 & 10231 & 10248 & 10249 & 10275 & 10279 & 10308 & 10318\end{array}$
$\begin{array}{lllllllll}11106 & 11148 & 11161 & 11187 & 11188 & 11193 & 11213 & 11214\end{array}$
$\begin{array}{lllllllllllll}11222 & 11231 & 11248 & 11249 & 11275 & 11279 & 11308 & 11318\end{array}$

012169012226012241012246012265012268012273
012282012295012302012310012314012320012345
$0123500124 \times 3012414$
Note： 11188 was ex－11235
Stock Preserved
1938 Tube Stock（cars）：
1017711177 （Chatham Dockyard）
Line Transfers
1959 Tube Stock（units）：
Northern to Bakerloo－
$\begin{array}{llllllllll}1032 & 1036 & 1040 & 1044 & 1048 & 1052 & 1064 & 1072 & 1092\end{array}$
 1304
$\begin{array}{llllllllllll}1035 & 1043 & 1047 & 1051 & 1055 & 1067 & 1075 & 1095 & 1103\end{array}$ 113511431155116311751195127512831295 13031315
Sakerloo to Northern－
$\begin{array}{llllllllllllll}1196 & 1200 & 1208 & 1212 & 1216 & 1290 & 1224 & 1228\end{array}$

1972 MkII Tube Stock（unitis）；
jubilee to Northern－
$3235323732383239 \quad 32403241324232433244$
3245

3545

## 1973 Tube Stock（unit）：

Test Train to Piccadilly（converted from ETT to standard）－
894（still o／s to enter service at end 1985） Livery Alterations
From maroon to yellow－
Battery Loconotives
126 L44 L45 L46 L49 L50 L52 L53
New Service Stock
New Battery Locomotives－
上62 L63 L64 265 L66
New General Purpose Hagons－
GP901 GP902 GP903 GP904 GP905 GP906 GP907 GP908 GP909 GP910 GP911 GP912 GP913 GP914 GP915 GP916 GP917 GP918 GP919 GP920 GP921 GP922 GP923 GP924 GP925 GP926 GP927 GP928 GP929 GP930 GP931 GP932 GP933 GP934 GP935 GP936 GP937 GP938 GP939 GP940 GP941

## Service Stock Scrapped

Ballast Motor－

## L 155

Hopper Hagons－
HW4． 03 HW 406 HW4 45 HW4 46 HW420 HW422 HW423 HW424 154525 HW428
Rail Grinding cars－
RG802 RG803

## Sergice Stock Sold for Further Use

Hopper Hagons－
HW4 55 HW437（Isle of Wight Railway）
Liming Machine－
prt 764 （Severn Valley Railway）
Service Stock Withdrawn During 1982 and Awaiting Disposal

## 㱏起 Wagons－


F346 F347 F348 F354 F356 F359 5360 F361 F362
F363 F365 F367 F368 F370 F371 F372 F373 F374
F375 F377 F380
Yail Hagone－
HW460 RW461 RW463 RW464 RW466 RW467 RW474
Nota：The above vehicles are in addition to those listed below，which were withdram prior to 1985 and are still awaiting disposal：
L154 ESL117 ESL118A／B



## PHOTOGRAPHS OPPOSITE

On Saturday 7 December 1985, British Rail's High Speed Track Recording Coach (HSTRC) was borrowed again by London Underground, operating on the surface sections of the Metropolitan Main Line. The special train is seen (top) passing West Hampstead, having reversed and shunted at Finchley Road. The HSTRC is the second car from the front, the other three being the narrow "Hastings' line stock from the Southern Region, whose days are now numbered. Formed $560004-\mathrm{DB} 999550-560523-560005$, the extra trailer included on this occasion was specifically for its unique trip on the chesham branch. For this to be achieved, arrangements had to be made to carry passengers, while the fourcar A stock set remained in Chalfont bay; and many enthusiasts (and a few passengers !) packed themselves into 560523 and the adjacent power car. On the return trip from chesham, the special is seen at Chalfont \& Latimer, with an Aylesbury-bound DMU departing; whose days may also be numbered if the closure of Marylebone is approved (centre). The otker place of interest visited by the special train was Stanmore (lower photo). The sides of the power cars were adorned with stickers which read 'Ride the 1066 Route'.
All photos: R.J.Greenaway.

HW4 48
RW454 RW455 RW456 RW457
B556 B560 B581
c606 Jc683

## Stock Conversions

## 1973 Tube Stock (unit):

From ETT to Standard -
894
A60/62 Stock (units):
opo Conversions at Acton -
$\begin{array}{ll}\text { A End } & 5038 \\ D & 5130 \\ D & \text { End } \\ 5222 & 5226\end{array}$
opo Conversions at Ruislip -
A/D End 509450965098510851105122

## Changes to Unit Formations

1962 Tube Stock

| From | $1542-2542-9543-1543$ |
| ---: | :--- |
| From | $1732-2732-9733-1733$ |
| To | $1732-2732-9747-1543$ |

## 1967 Tube Stock



## Notes:

(a) $1542,2542,9543,9733,1733$ collision. 9747 ex-store.
(b) 4122 burn-out.
(c) Bogie experiments on 3305,3230 .
(d) 3243,4243 ex-derailment.
(e) 3230,4230 to store.
(f) 3230 , 4230 ex-stort 3203,4203 withdrawn.
(g) 17514 collision.

## Remumbering of Stock

1962 Tube Stock


A 60 Stock

| DM 5028 to 5232 ) | 6.85 |
| :---: | :---: | :---: |
| T 6028 to 6232 ) |  |
| DM 5008 to 5034 | 7.85 |
| DM 5117 to 5233 ) | 8.85 |
| T 6117 to 6233 ) | 8.8 |

## SOCIETY SECTION

## SILUER JUBILEE FILM SHOW

In 1986, the London Underground Railway Society will be 25 years old -- first formed in November 1961. As an early celebration, a special video film show has been arranged for Saturday 12 April 1986 , presented by Barry Coward. The film show will commence at 18.00 in the Lecture Theatre of the London Transport Museum.
The programme will include:
METROPOLIS (Paris Metro in the $1930^{\circ}$ s), EALING \& SHEPHERDS RAILWAY (1920), PICCADILLY LINE EXTENSIONS (1931), CENTRAL LINE EXTENSIONS (1948), and much more other interestiag Underground material of times past.
As the event will be outside normal Museum hours, there will be no acess to the rest of the Museum and its exhibits. The Museun, of course, will be available before 17.00 to those paying the appropriate admission charges.
The non-refundable admission price of 1.50 per person must be paid in advance. If you would like to actend this very interesting film show, please write, ENCLOSING an SAE. to Mr.G.A. Finch, 151 Valetta Road, London, W3 7 TA as soon as possible. Cheques or postal orders to be made payable to THE LONDON UNDERGROUND RAILWAY SOCIETY, and to be sent when booking.
Please note, there is No-Smoking inside the Museum, including the Lecture Theatre.
November Baden-Powell House Meeting
For the November meeting, Mr. C. Baker addressed the Society on "Met. men and Models".
He served his apprenticeship at Neasden from 1923 to 1928, but it was the Met's practice to discharge these young men after their apprenticeship had
been completed. Some staff might be taken on as adults after they had gained outside experience.
With the aid of a plan of Neasden Works in the 1920 's. Mr. Baker took his audience through the
works from one end to the other describing the activities in each shop. Experimental work in the body shop included finding the optimum lacstions for car advertisementa, end an experimantal car seat which was not generally adopted because it was too confortable, and made passengers reluctant to leave.
A shall drawing office was attached to the body shop, and this in turn had a peint roon in a hat at the end of a siding. Wirh the usual Met. eye to economy, the are light for taking prints was fed from the current rail via a motor generator, so the man making prints had to ensure that no electric vehicles were moving about, or else he would not have enough voltage to make a presentable print.
The so called "laundry" was little more than a shop for washing wiping-cloths, but it was fed by an ex-"A"-class boiler, when this had to be repaired, a stationary " $\mathrm{E}^{4}$-class locomotiqe deputised.
In the paint shop, the foreman insisted on a perfect finish, but was not so conscientious When it came to mining calours. The locomotive colour was officially chocolate, but could vary to maroon or crimson. The finish for passenger stock was varaished teak, and any steel parela were carefully grained to resemble teak.
The wheel yard formeriy accommated s winding engine which heuled a rope round the whole works.
All the foremen wore bowler hats, and the official in the smiths shop went one better by sporting a dark suit with four buttons.
Most machines in the machine shop were driven by belts from overhead shafting. Changing a machine's belt from one sized pulley to another was difficult and dangerous.
One hot day a foreman removed his bowler, and a playful turner reduced part of a bolt ro needle thickness, and pinned the bowler to the wall throagh one of the pin-holes in the crown. Luckily the Goreman took it in good part.
The winding engine and the round-theworks rope had formerly powered a heavy crane in the erecting shop. When the engine was taken out of sexvice, a section of rope was retained for the crane, driven by local electric motor. One day in 1926 a heavy crash was heard ail over the works, Its source was the erecting shop, where a $4^{\prime} 6^{\prime \prime}$ rope wheel had disintegrated, and a campanion wheel had also failed fron the shock. An " H "-class locomorive, weighing about 50 tons, fell about three feet, but fortanately landed on its wheels, on a section of track. The only damage was to the locomotive springs, and ta ane rail. The crane wheels were replaced by new wheels of the same design but of different materials.
The armature shop was a late addition, at the north end of the works, and had palatial ataosm phere. The foreman wore a light suit in recognition of his status as an electrical engineer.
The gauge and dials man was greatly respected because of the small size of his charges, but he wes once severely told off for adjusting a Great Western safety valve at Aylesbury.
The firm of. Stones, who provided the carriage Ifghting equipment, had a shop at Neasden which was out of bounda to the Met. men.
Destination boards on locomotives were wider than on cars - a latter day rootle through the steam shed turned up boards for Esstbourne and Hastings, once carried by locos hauling excursions, for the first part of the journey.

Turning to the various steam locomotive classes, Mr. Baker paid tribute to the strength of the "A" class fraties, which were still sound (on the survivors), after 60 years. The "C" class was an S.B.R. type, ordered during the Watkins regine, and was underpowered. Examples of "Cs" and "Ds" ware otamding disused during Mr. Baker's stay at keasden.
Tests on the road with newly-overhauled steam locomotives made a pleasant break in the routine, as the apprentice who had worked on the loco was taken on the test. They were in the afternoons, and the first stop was usually in a siding at Chorley Wood, whete the apprentice was expec.ted to buy the foreman a beer or else crawl under the engine feeling the bearings. The triat usually continued to Great Missenden, where the foreman disappeared on private business until the return journey. On one such trial with an "F" class, the loco returned to Neasden with a coupling rod almost red hot, because of misalignaent of the axles. Mr. Baker continued with numerous other anecdotes of locomotives and men, and deacribed how he had built his half-inch scale models, both the five models he had brought to the meeting and others shown on slides. $A$ wooden veneer, used to wrap Havana cigars, had proved to give an excellent reproduction of Metropolitan teak, but was rather expensive in cigars:

After Mr. Baker had answered questions on a var-. iety of Metropolitan matters, the meeting showed. its eppreciation of his interesting talk and his display of models in the usual way. Thanks are due to John Herting for transporting the models. DFC

Decenber Baden-Powell Meeting
For our December meeting we had the privilege of baing addressed by Dr. Tony M. Ridley, Chairanan and Managing Director of London Underground Ltd. and a past President of the Society, whose tajk was entitled "Oxford Circus - The Fire and its Implications".
The most destructive fire in the Underground's history broke out at 9.50 p.m. on Friday 23 November 1984, and was reported in UN 277. The fire started between the Northbound Bakerlao and Victoria line platforms, in a cross-pessage which was being used as a materials store by contractors working on the gtation modernization, The fire rapidly took hold, with the flames licking up to the ceiling, and dense smoke severely liniting visibility.
Dr. Ridiey told the meeting how emergency evacuation of the station was imadiately started, and services halted on the chree lines serving ic. The Fire Brigade arived within 6 minutes of belne summoned and assisted Police and operating staff in the evacuation, which was hampered by the dense smoke spreading through the station, limitiag visibility and making breathing difficult. Trains on the Southbound Baker 100 and Victoria Lines were used for evacuation purposes, but it was not posaible to use Northbound trains.
The firefightiag was very difficult operation as the Fire Brigade had to carry their equipment 140 metres from the street level to the fire hydrants on the platforms. They could not use their hoses until they knew that traction current was off. and by this time the fire had spread to such an extent that it took nearly four hours to be totally extinguished, and 30 pumps were needed.
In order to ensure that nobody was trapped, firemen wearing breathing apparatus, assisted by
operating staff, made a detailed saarch of the whole station. Only 14 people ( 9 staff, 4 passengers and a Policewoman) needed hospital treatment for smoke inhalation; of these ten were not detained, 3 were kept in hospital overnight, and one - a staff member - was detained several days for observation. That casualties were not heavier was thanks to the "heroism and bravery" of those invalved in the evacuation - and also to the fact that fortunately the fire occurred at a time when the station was not busy. Had it broken out a few hours earlier, Dr. Ridley sald, he did not like to think of the consequences. As one Fixe Brigade Officer had said to him after~ wards: "Dr. Ridley, don't you think our luck may be running out?"

## The effect on gervices

No trains were trapped on the Southbound Bakerloo and Victoria Lines, but three Northbound Bakerloo trains were directiy affected. It was at first thought that these trains had pessed through Oxford Circus, but the first one had actually been halted in the platform by the operation of the passenger emergency brake valve. This train was detrained at Oxford Circus, but the aecond and third trains were held in the tunnel behind it. The driver of the second train was unsble to walk forwards to Oxford Circus because of the fire. He returned to his train and moved his passengers to the rear, further from the fire. 370 passengers were eventually walked back along the tunnel from these two traing to Piccadilly Circus. On the Victoris line a Northbound train was halted just short of Oxford Circus, and another was in the tunnel behind it. Commanication With these trains was not possible, as the tunnel telephone system had been put out of action by the fire, and a short-circuiting device had been piaced on the current rails, disabling the
"Carrier Wave" system. In the end staff had to be sent down the tunnel from Green Park to these trains with the message to evacuate, and 350 passengers from these two trains were walked back to Green Park.
On the Central Line an Eastbound train artived at Oxford Circus; nobody was allowed off but the passengers on the platform were evacuated to Tottenham Court Road on this train. 155 passengers were detrained from the two Westbound trains at Tottenham Court Road, the first being moved forward after detrainment in order to allow the ather into the platform. Overall, the Central Line was least affected, being furthest from the fire, and was back in service the following morning. An engineering team was formed on thet Saturday morning, to restore services as soon as possible. It was hoped to reopen the Baker 100 Line platforms that same evening, and the Victoria Line by the Monday morning.

## Fire damaze

The damage was matnly confined to the Northbound platforms and adjoining passages. On the Bakerloo platforia there was damage to lighting and other electrical equipment, and beavy smoke staining occurred here, extending up the escalator shaft and to the booking hall. However, the Victoria Line platform and its adjacent passages fared worse, being gutted by the fire, and Dr. Ridley showed a number of slides graphically illustrating the extent of the damage, which he described as "an unholy mess".
Initially, good progress was made in clearing up, but then traces of white asbestos were found in the burnt-out ceiling linings of the Victoria Line tunnels. Despite the possible temptation of turaing a blind eye to this discovery, it was realized that the asbestos would have to be
cleared by specialist contractors, before which the affected area would have to be sealed off. Until this work was completed, trains were not able to call at che Northbound Eakerloo platform, which did not reopen until 30 November.
The offending material, known as "Cellactite", was a corrugated steel sheet coated in a bitumen. asbestos leyer. Normally, the asbestos would be sealed and quite harmiess, but the fire had demeged the seal and there was a danger that in removing these sheets, the asbestos fibres would be released into the air. In order to extract all the Cellactite it was necessary to remove all the architectural finishes - tiles and walls. As an added complication, airlocks, and shower units for decontemination of personnel, had to be set up at the exit from the affected area. (However, in the event, the level of airborne asbestos fibres turned out to be wuch less than had been feared.)

The specialist coatractors worked round the clock to clear the tunnel section by section, packing the material into sealed containers for removal by engineer's trains. Meanihile, as each section was cleared, temporary reconstruction work followed. The asbestos was finally cleared by 15 December, and the Warren Street - Victoria section was reopened to traffic on 17 December just over 3 weeks after the fire and in time for the last week of the Christmas shopping traffic.
These emergency repair works cost about E 2.4 million, with a further f 2.8 million for restoration. Revenue losses are belfeved to be fairly amall, es holders of zonal tickets and travelcards were cartied by alternative routes. The total bill is estimated at over $£ 5 \frac{1}{2}$ million, of which the majority should be covered by ingurance. However, Dr. Eidley said, this fire was one of the Underground's more dramatic failures, with the in-town section of the Victoria Line being closed in the middle of the busy Christmas shopping period.

## The cause of the fire

The Fire Brigade investigated the cause of the fire, and in the remains of the contractor's store they found charred rag, cardboard and a paint roller. They concluded that the fire had proably been atarted by lighted staoker's material ( a cigarette or match) being pushed through the mesh dividing off the platform from the store where it came into contact with a rag soaked in paint chinners. Fanned by the draught from passing trains, the fire spread to acetone (used. for cleaning paintbrushes) in the store, and to the Cellactite tunnel linings outside. The Cellactite had been located behind melamine ceiling panels, and the gaps in between had acted as a flue. Dr. Ridley said that LRT would need to install firebreaks.
Other safety measures had been identified by a special Task Force set up by LRT after the fire They had looked at the materials used on statio modernization projects, and the location of Cellactite and other potentially hazardous materials on the Underground. Contractors would have to comply with tighter fire prevention rules, and materials stores will be rigorously controlled. These stores will in future have to be located away from platform telephones and other emergency communications, and smoke detectors andor sprinklers may need to be installed in them. The Task Force also looked at litter disposal and the role of tunnel dust in spreading fire. But the most noticeable measure was the extenstion of the Underground's 1 year exper fmental smoking ban.

This had originally been introduced on trains in July 1984, but had encouraged some passengers to smoke on platforms - until a train arrived, when the lighted cigarettes vould be hastily discarded The fire justified the ban being made psumanent and extended to below-ground stations on 17 February 1985, a measure which has met with approval from many passengers - and not just nonsmokers!
Other lessons to be learned from the fire included improving liaison with the London Fire Brigade and better comunications. The Carrier Wave system on the Victoria line does not work if short-circuiting devices are used in an emergency, so "leaky feeder" train radio, as used on other lines, will be extended to the Victoria Line. This system is also to be installed for commuication with staff and Police at some deep level stations - Baker Street and Oxford Circus have already been equipped. A new automatic relephone systets has also been installed on the Underground since the fire, replacting the old one which was life expired, having been installed in 1939.
Other suggestions for tuproving means of escape in the event of fire had included additional exits, but this was ruled out not only on the grounds of cost, but also because little-used passages are rubbish trape,attract abuse, and make passengers feel insecure. Dr. Ridley felt it was far more efficient to use trains for rapid evacuation of large numbers of passengers in the event of fire, rather than halting services at the first hint of smoke.
Dr. Ridley's talk was followed by a long and lively discussion on smoking, fire preveation and safety, and emergency procedures including evacuation and commanications. This was widened to include other curreat topics of interest, including the recent upsurge in Underground traffic due to the success of the zonal scheme, and preserving the Underground's architectural heritage. The meeting closed with a hearty vote of thanks to our speaker, for a most interesting, informative and authoritative talk.

## Footnote

We are pleased to record that Dr. Ridley was awarded the CBE in the New Year's Honours List, and would like to congratulate hitio on this decoration.

## NHGM

## NEWSFLASHES

NE 1/86-A purpose-built track recording car the Underground is to be builit by BREL at Derby. This will be ex-1973 Tube Stock trailer 514, (never having entered service), taken to Derby by Rosd (19.12.85). It is anticipated that the new vehicle will be available for operation int early 1987. The motive power for the car hes not
yet been decided, although it is believed that a psir of 1960 stock DMs (3904/05) or 1938 stock DMs will be the likely choice. To continue with the current policy on serfice vehicles, buckeye couplers will be fitted on the new car and motors.
NF 2/86 - On Friday afternoon 25 October 1985 a six-car train of 1983 tube stock carried a party of the International Union of Public Transport (UIPT) from Mansion House to Heathrow Terminal 4. Comprising units 3624 and 3625 , the , train worked to she new station via Heathrow Ceatral - which will NOT be the way when the line is opened in the spring of 1986. The train had to be worked onto the new loop under special signalling regulations in force for engineers trains, as the proper signalling for the loop was not to be commissioned until 4.11.85. The party visited the new station, ticket hall and air terminal. The train returned to Northfields depot (empty), scheduled to leave Heathrow Central at 00.05 , returning to Neasden depot on Sunday 27.10.85.
NF 3/86 - The whole of the District Line went one-person-operated from Monday 4 November 1985, including the Wimbledon-Edgware Road section, which was the last part of the Underground to use C69/77 stock in crew-operated mode. The changeover weat soothly with very few problems being reported.
NF $4 / 86$ - Some 65 stations had theit staffing levels reduced from 18 November 1985 so that in most cases, apart from the booking clerk, a Station Foreman only will be on duty.
YF 5/86 - Hecause of the non-availability of many of the Metropolitan's 860 stock de-icing trailers - at Ruislip for O.P.O. conversion Jubilee tine stock has been utilised for night time sleet train working on some sections of the Metropolitan. On Saturday aight 16.11 .85 , a sixcar 1983 Tube Stock train was observed passing Harrow-on-the-Hill, while the following night, a seven-car train of 1972 MkII stock was used.
NE 6/86 - Sponsored by the large department store, Lewis's, of Liverpool, the three-car class 503 EMU set repainted in LMS Livery was scheduled to work four shopper special trips (17.47, 18.47, 19.47 and 20.47) on each Thursday evenitugs $20.11 .85,5 / 12 / 19.12$. 85 from Hooton, via the Liverpool $100 p$ and back to Hooton. These trips were in addition to the normal passenger service, provided by class 508 stock.
NF $7 / 86$ - The 1972 MkI tube stock DM fitted with experimental steerable bogies (3305), entered service on the Northern Line on 19.11.85.

Underground News is printed and pubiished by the London Underground lailway Society.
Correspondence for this journal should be addressed to the Editor, Uaderground News, 116 Kingshill, Brandon Street, London, SEIT WH: Whet writing to any Society officer, please quote your membership number on all commaications, including applications for visits. Members requiring a reply to their correspondence are askec to enclose a stamped adressed envelope.
The last full inst of society Officers can be found on page 12 of Underground News 289.
Members are asked NOT to use the telephone when communicating with Soctety officers, nor make a personal house call, unless previously invited to do so.
For non-receipt of journals and changes of address, correspondence should be adressed to the Despatch Officer, 67 Weltnore Road, Luton, Bedfordshire, LU3 2TN. Members are asked to wait until the 20 th of the month sefore writing about journals not received.

Notice is hereby giver that the Annual Genervil Meeting of the London Underground Railway society for the year 1986 will be hela in the conference Room, Baden-Powell Howses Queen's Gate, London, SW7, at 19.15 on Friday 21 Masch 1986.
There Will also be a slite presentation by Mr.B.R.Hardy of Miscellaneows Undergrownd subjects commencing at 17.30 in the Conference Room.
The Report of the Committee for $\frac{1985}{19}$ given below. The Accounts wili be available at the Annual General Meeting, and also by post to those sending a stamped adiressed envelope ( $9^{\prime \prime} \times{ }^{4} 11$ ) to the Treasurer at 37 Raglan Court, Empire Way, Wembley, Middlesex, HAS ORE.
Please note that the whole of the above event is open to MEMBERS ONLY, who must produce a 1986 Membership card to gain admittanco.
As the Anmual General Meeting is being held eariier in the month of March this year than usual, details of the committee election and proposed Rule changes wil be given in the March issue of Underground News.

## AGENDA

1. To receive any apologies for absence.
2. To have read the 估系utes of the 1985 Anmual General Meeting, is so desixed by the majority of members present.
3. To coneirm the eloction of Mr.W.F.Clarke as President of the Soctety for the year 1986-87.
4. To confirm the election of Mr.M. A. Popp as Vice-President of the Society for the year 1986-87.
5. To recelve the Report of the Comittee for the year 1985.
6. To receive the Accounts for 1985 , and the report of the Hon.Auditor thereon.
7. To elect an Auditor.
8. To elect mombers to serve on the coumittee.
9. Assistance from members with Society activities.
10. To conduct any other competent business.

## REPORT OF THE COMMTTTEE 1985

The committee is pleased to present to Members its Report for the year 1985 . It is very true to say that this has been poth a good and a bad year for the Society. Membership manbers have broken all records and have ceached an all-time high, but with the continued absence of a Sales Manager, jncome from our sales haz decreased. Contintad reduction of income from our sales can only result ulitimately in migher Membership Subu seriptions, a situation the committee has been working hard to avoid.
The most notable change within Loman gegtonal Transport took piace on 1 April, when a subsidiary Company was formed-London Underground Limited - this company owning and being responsible for ail aspecte of LRT's Underground Railways. On an equally important note, however, although thera was a fares increase from 6 jarmary a new ticket - the capitalcard-was introduced, giving joint availability within Greater London on British Eail, London Underground and London Buses, the result of which has been greatly increased numbers of passengers carried, especially on the Underground.

Libraxy
Ten Library Evenings have been held during the year. Tom Scott; owe Libxamian, reports varying attendances from as little as three Members, to a maximum of 16 , with noticaably more Memberis attending auring the mildex weather. He also hopes to be able to experiment with a Sumday openimg during 1986, but this has not been possible to date for personal reasons.
Only a manil amount of Library stock has yet to be catalogued, but Mewbers may browse through this section if they wish. Expansion of the shelving will be taklng place as opportunity permits, and an overseas section will be created frob the main 'British' section. This aue to the aignificant number of publications on forezgn underground systems now on hand.
Our thanks are due to Ton Scott for the thoughtful way in which he has arganised and hosted the Library tevenings.

## Meetixys

Twelve monthiy meeting were held at Badenm powell. House on a variety of Underground and closely allied subjects. Desmond Croome was appotnted Meatings Chairman eariy in the year and has chained most Haden-Powell House mentinga durimg 1985. We express our grateful thanks to Desmond and to all our speakers for providing interesting, informative and entertaining evenings. The average attendance at these meetings was $7^{4}$ - an increase of 10 , or about $15 \%$.
The 1985 fnmal General Meeting was held during the everiing of Friday 29 March. This was better attended than is usual for our AGM's, so it is concluded that this is better day and time to hold them. Prior to the comencement of the meeting, there was an interesting cine film presentation by Fred Ivey.

## Membershin

At the end of 1985 the total Membership was 822, a record for the Society, an increase of 50 over 1934 and a source of great encouragement for the Comanttea. Thanks are due to Alan Blake, Registrax, for his efficiency in dealing mith this targe maber.
The society also recoras lis thanks to sill overseas Menbers who supported us during 1985 and to the Society's Overseas Representatives, Geoff Arnold (USA) and Steve Hamer (Australia) for their valuable assistance.

## Perioticals

Twelye issuea of Uxaderground News were produced during the year, two issues of which included photogtaphis pages prepared by Bob Greenaway.
The mafor hsppening with Underground News was the change of Edittor from the August issue, when Brian Hardy handed over Editorship to Del Lomas who is aswisted by Erian Panting. Our deepest thanks are extended to Brian Hardy for the excellene production and the mard work that he has put inta the prisilcation for the past eight yoars Thanks are also extended to Del Lowas and Brian Panting For theix prompt offer in taking over Vaderground News, which saved the comeittee one big headache! Comanication is so vital with a Soeiety such as ours.
Thanks axe due to paul Croswell and his collating and despatch teams for coping with the evex inereasting mumbers of magazines, and to Denais Dowa for maintaining a very high quality standard of printing.

In the closing weoks of 1985, Underground No. 14 wes almost ready for the printer, being cloaely
followed by Underground No. 15. These two fullyprinted magazines are about pre-1938 or 'Standard. Tube Stock, both prewwar and post-war, having been compiled and written by brian hardy. It must be understood that no firm dates can be given for the publication of Undergrown wate zines, and the somewhat lengthy gaps betwean issues is entirely due to the bamont of time onw producers can spend on the project. Nobody would want rapld issues of Underground full of inaccuracies and we pride ousselves on the fact that our inagazines are well researched and worth owning.
We are pleaged to report that issues of back numbers of Undergrounb contimue to aell. wexl, and that No. 11 (Isle of kight Underground Stock) is now out of print.

## Pablications

No new publications were produced in 1985, but it is heartening to learn that the author of the - 1938 Tube Stock book has been able to start working on te.

## Preservation

The Preservation Group contimued to make progress on the Society's Q stock trailer at Ealing Comon depot. Apart from tixe centre ceiling panm els and the floor, the interior is about threequarters completed. An estimated 400 voluntary mat hows were spent by the small tean of Soelety Members during the year. The Society extendis its thanks to all who have given theix time, donated money, tools and equipatent. Thanke ame also due to the London Undergsound staff at Ealing Comon depot for allowing the car to be stored there and permitting aceess for working parties. Bob Logan, Freservation Group Chairman, would be pleased to hear from anyone who would like to join the Preservation working parties.
No work was done on the City s South London coach bodies at Ruislip depot and the Society is still in possession of the sleet lacomotive bogises purchased from Lomdon Underground.
Towards the end of the year, vembers were invited to subscribe to a fund, the purpose of which was to purchase from london Underground the redurdant $T$ stock motor caxs for presexvation. The response since the fund was started has been extremely encouraging, Nothing further can be reported on this at the present time. but Members will be kept fully informed of des. elopments and thanks ia extended to all Subscrim bexs for their very valuable suppore.

## Poving

1985 has been a disappointing year. Roving secretary Mike Sherman has been receiving enquiries at the rate of three to foux a month, but this is as far as it has got. It is anticiphted that a serious attempt may be made on the recond eanty in 1986. The record of 17 hours 37 minutes is still held by Mr.c.Mulvaney, set in December 1985.

## Saleg

Regrettably 1985 did mot produce Sales Managex from Yembers and our sales are now suffering as aresult.
Ali menters, during 1985, received a compreherim sive Sales h int which was well worth the effort of producing, as orders by post were encousaging, Later during the year, however, certain items became very short or sold out and difiticulty was experienced in satisfying demand, and some orders were baing delayed due to additionai
 purchase of new stocks on behalf of the society
has virtually ceased ! Sales of our own publications, both direct by post and through other societies, continues to provide very useful income.
The only outside sale attended by the Society in 1985 was the LOTS Sale in October, waich, according to soveral stall-holders, was somewhat depressed this year. Undex the circumstances, the Society did reasombly well. Unless offers of help are received from the membership, the socjety will not be attending any outside sales events in the forseeable future.
The Sales Stand is present at most monthly meetings at Baden-Powell. House and it is hoped that Mernbers will support our sales there as much as possible.
Thanks for the hard work put in under difficult circumstances are due to John Horsman for postal Sales, Graham Waterer and Anne Hadjiry for their help at monthly meetings, and to Bob Greenaway for trying to keep everyone happy !

## Yisits

Nine visits were msde to London Underground establishments and non-LU premises during the year. Of the latter, a five-day visit took place to Belgium and Northern France, and an evening visit to the Post Office Railway and Workshops.
A proposed tour of the route of the Dockiands Light Railway did not take place due to the lack of support.
Following some difficulties in 1985, it must be stressed that 111 vistis are arranged for Soctaty Members only and only those who apply personally to the visits Organiser are allowed to take part.

## Society officers and Cormittee

Business commitments of the Society's Chairman, Brian Hardy, will mean thist he will be relinquishing this position, but not as stated in Underground News No. 288 (December 1985). He has agreed to stay on as Chalrman until the 1986 Anmual General Meeting, when it is envisaged that other changes may take place also.

## Conclusion

The Comittee thanks all Members for their support during 1985, and to London Underground Ltd., and other transport authorities for their help, co-operation and guidance in many ways.

By Order of the committee.
D. G. Down,

Assistant Secretary.

