The original depot

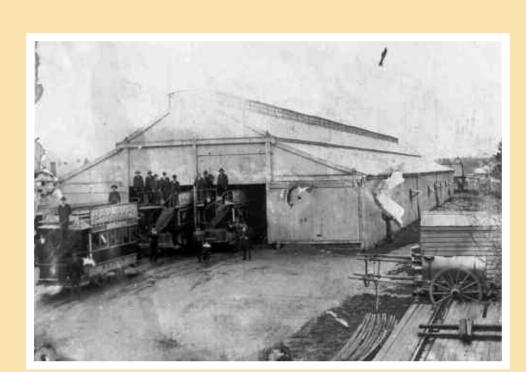
On a fine summer morning tram 40 is ready for service. Photo: Ben Parle, January 1954

The original depot – 1887-1971

The first depot, located on the north side of Lake Wendouree near Forest Street, was built in 1887 for horse trams. It was modified for electric trams in 1905 and again in 1935. This is where the trams were given their daily maintenance, cleaned, repainted and overhauled.

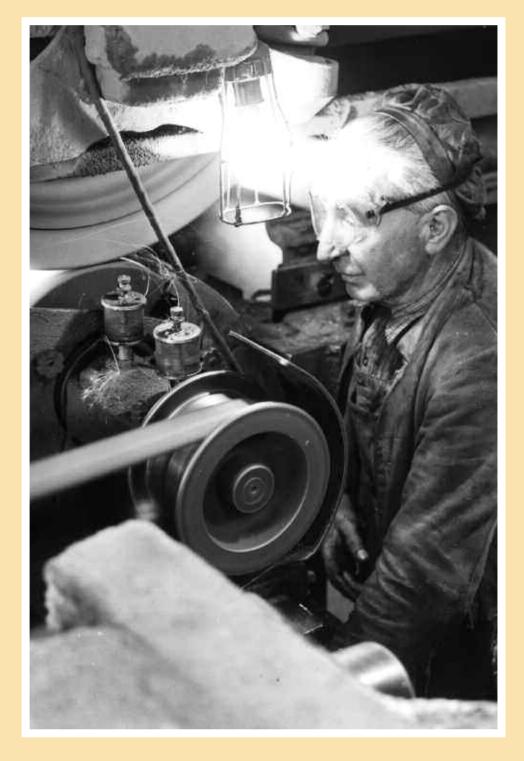
The depot housed around 26 trams, with all the crews working from there or from the State Electricity Commission of Victoria's City Office in Sturt Street.

Following closure in 1971, it was demolished in 1972. There is now a set of housing units on the site.



Above: The horse tram depot, c.1905. Photo: BTM Collection

Right: Vin Dalton, SEC Depot worker, grinding wheels mid-1930s. Vin was a WW1 veteran who served in Gallipoli and the Western Front. Photo: State Electricity Commission of Victoria



Right: Museum volunteers installing a motor. Photo: Peter Waugh, April 2018



BALLARAT TRAMWAY

When the original Ballarat Tramway system closed in September 1971, the City of Ballarat provided the land in the South Gardens for a building to house six trams. Volunteers raised funds for the building, the tracks and power supply.

The Ballarat Tramway Museum started operations in December 1974. In 1979 the depot was extended to provide service facilities and house more tramcars.

You are most welcome to inspect our tramcar fleet and displays.

If the doors aren't open, check our opening hours and contact details on www.btm.org.au



Museum's depot under construction Photo: Ballarat Courier, July 1972



Track and electrical supply under construction. Photo: Bob Prentice, 8 April 1973

The new depot – the Ballarat Tramway Museum



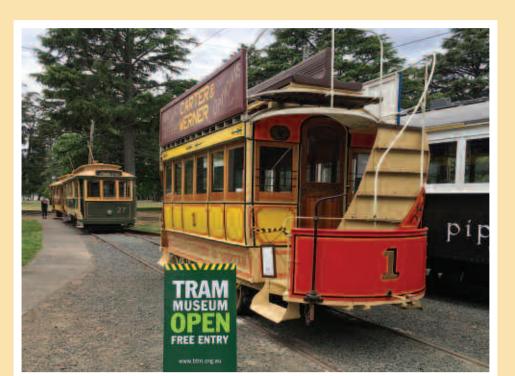
The Museum repairs, repaints and overhauls the equipment fitted to a tramcar. All work is done largely by volunteers.

The solar panels installed in 2014 power the Museum's entire tramway system.



Tramcars on display in their new home. Photo: Warren Doubleday, December 1973

Home to Australia's oldest operating tramcar

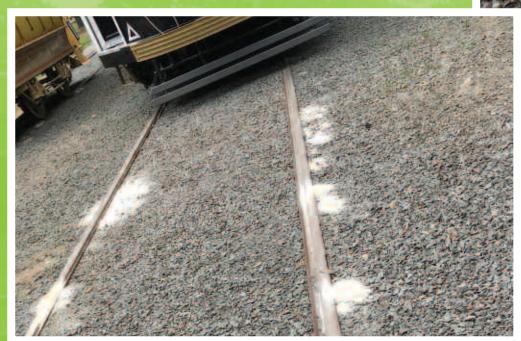


The city's first tram was Ballaarat Tramway Co. Horse Tram No. 1 of 1887. Built in Adelaide by Duncan and Fraser, it is modelled on horse trams built in the USA and the UK. It was recovered in 1985 from a Ballarat East backyard where it had been used as a sleep out. The

Museum completely rebuilt the tramcar, re-using many of the original components. The tram re-entered service in November 1992 and is Australia's oldest operating tramcar normally operating on an annual basis.

Sand on the rails

Look behind you. Do you see little sand piles lying around the rails? Why sand?



Sand provides traction to help prevent the steel wheels from sliding on the steel rails when starting or braking. Carried on board in a box on all tramcars,

it is a very important material to ensure safety. The sand is applied by the driver. Today on modern trams it is applied automatically.











Tram No.12, an example of the Straight Floor Tram type. Photos: (top) BTM Collection and (bottom) David Critchley.







An example of the straight floor tram is No.12, a combination tram with open and closed passenger areas. The centre part was built in Sydney in 1892 as a cable tram trailer. Converted in Ballarat to an electric tram in 1905, it has high entry steps.



Tram No.8, an example of the Straight Floor Tram type, is used for track cleaning and rail head scrubbing. It carries its own water and is fitted with an electric pump. Photo: BTM Collection

Top: Tram No.32 heading north along Albert Street, Sebastopol, crosses Morgan Street West. Photo: Andrew Cook, September 1971

Bottom: The wheel arrangement underneath a fourwheel tram using a Brill 21E (USA) truck. Photo: MMTB Official



Drop End Tram type

Drop End Tram (four wheels, two motors)

This type has lower ends to enable easier boarding. Examples are:

No.14 – modified by closing in the ends to give better passenger accommodation and to enable "one-man-operation".

No.26 – open Californian combination – a USA design.

BALLARAT TRAMWAY TRAMTYPES

SOME TECHNICAL DETAILS for the Museum's trams:

Track Gauge: 1435mm (4'8½")

Braking System: Compressed air and hand Power Collection: From the overhead wire, trolley wheel and pole

Operating Voltage: 600V DC

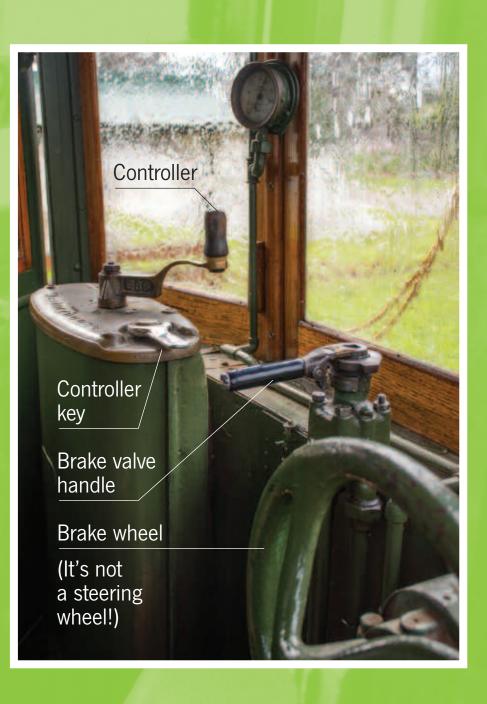
(400 x 1.5V batteries laid end to end)

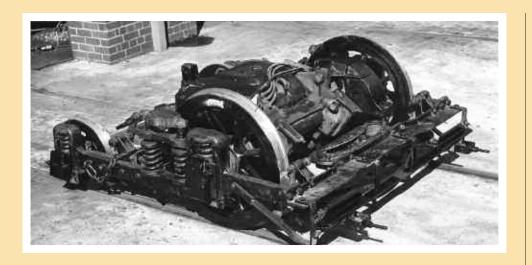
OUR ELECTRIC TRAMCAR BODIES were built by:

- Duncan & Fraser of Adelaide (eg. Trams 12, 18, and 40);
- Meadowbank of Sydney (eg. Tram 14);
- Melbourne and Metropolitan Tramways Board, Preston Workshops (eg. Trams 8 and 939).

Operating the tram

To enable a tram to move and stop, the driver has a controller key to unlock the controller (accelerator) and a brake valve handle to operate the air brakes. Both the controller key and the brake valve handle are removed by the driver when leaving the tram to ensure that it can't be operated without a crew.

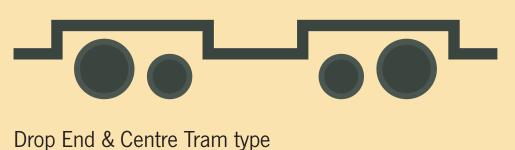






Top: The Brill model 22E (USA) bogie is a complex arrangement of braking levers and springs. Photo: MMTB Official

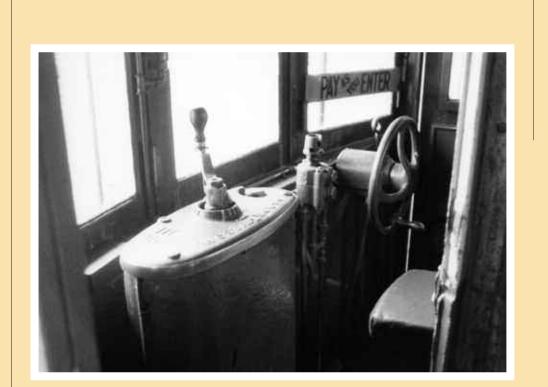
Bottom: Tram No.40, an example of the Drop End & Centre Tram type. Photo: Ben Parle, January 1954



Drop End & Centre Tram (eight wheels, two motors)

All the entry points to the tramcar have lowered ends. The wheel sets are known as Maximum Traction type or Brill 22E.

Each bogie or truck has one large motor and driving wheel and one small wheel. An example is tram No.40.



Driver's cabin with the controller key and brake handle removed for safety. Photo: BTM Collection





Top: Topmill Postcard. Photo: R. Gilbert, August 2009

Bottom: Typical of an equal size wheel and two motor truck is the Melbourne and Metropolitan Tramways Board No. 15 truck. Photo: MMTB Official



Drop Centre Tram typ

Drop Centre Tram (eight wheels, four motors)

Known as an equal wheel bogie tram (all wheels are the same size) the centre section is lowered to enable easier entry. Each bogie is fitted with two motors.

This style, popular in Australia and NZ, formed the basis of the W class in Melbourne. Whilst the Museum has several examples, this style was not operated in Ballarat by the State Electricity Commission of Victoria.

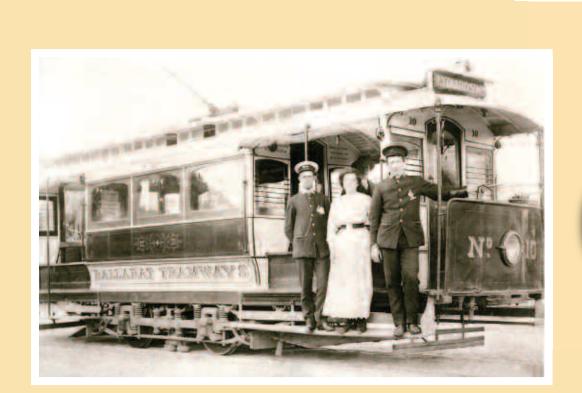


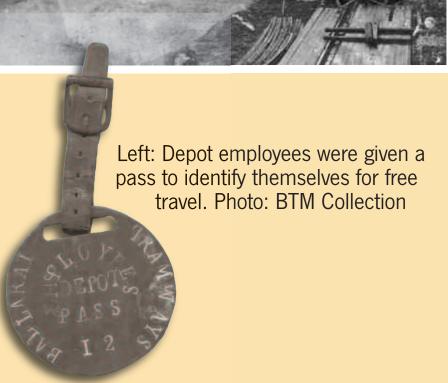




Right: The horse tram depot, possibly at the time of the start of the conversion to electric trams, c.1905 Photo: BTM Collection

Below: A young tram crew poses on the steps of Tram No.10; one of the original Ballarat Electric Trams, c.1905. Photo: BTM Collection





Right: Depot workers and the depot dog; late 1930s. Photo: Jim Morgan

The Original Tram Depot

ade tramways depot on behalf of the State Electricity Commission on June 17.

The auction is shaping as one of the biggest ever held in Ballarat, as the large allotment is in the city's most

prestigious residential area.

Housing blocks sold there
about 15 months ago brought

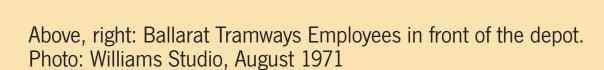
Plans to auotion the site on June 17 replace proposals to build a group housing scheme comprising 16 units.

About 250m further along Wendouree

Parade was the Ballarat Tram Depot; from 1887 to 1971. Built by the Ballaarat Tramway Co Ltd on a large site, it included paddocks for the horses, worker cottages and a church, that still stands. It was cheaply converted to an electric tram depot by the Liverpool UK based Electric Supply Company of Victoria in 1905. This company had built a lavish depot at Bendigo (still in use) but ran out of money when it came to Ballarat.

The State Electricity Commission of Victoria acquired the Ballarat tram system, under sufferance in 1934. They refurbished the building,

installed new maintenance equipment, improved worker facilities and even built a tennis court. The building was demolished in 1972; as the Ballarat Tramway Museum moved six trams to its South Gardens Depot.



Above, left: Stan Lakey, Depot Foreman, closes the gate to the depot for the last time. Photo: Ballarat Courier, 9 October 1971

Left: Notice of Auction, the Ballarat Courier, 1971

Right: Before the last tram had left, demolition was well underway. Photo: Eldon Hogan, 18 July 1972

BALLARAT TRANSPORTED TRANSPORTED TO THE PROPERTY OF THE PROPER

Trams operated commercially in Ballarat from 1887 through to 1971 – first with horse-drawn trams, then with electrically powered trams.

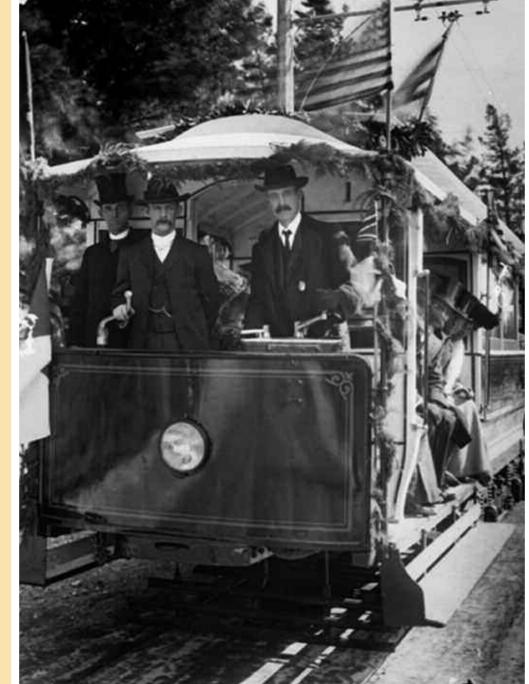
Ballarat was the second Victorian city to have an electric tram network. It opened on 8 August 1905, a year before Melbourne's network.





Above: The body of Tram No.10 was used as a sleepout in the Warrenheip area. Photo: Wal Jack, 1940s

Top: Sturt and Lydiard Streets, from "Ballarat Views", Baxter & Stubbs, Print, Ballarat, c1905.



Above: Ballarat was the second Victorian city with an electric tram network; opened 8 August 1905, a year before Melbourne. Photo: BTM Collection



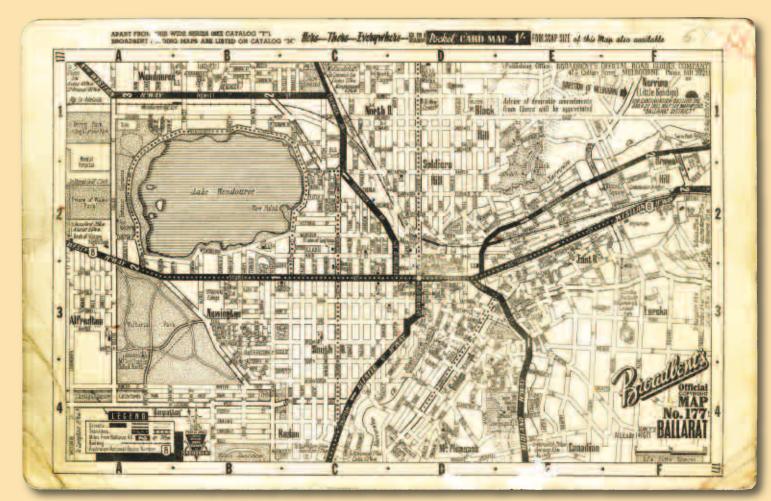


ESCo Trams

When the Electric Supply Co. of Victoria electrified the horse tram system, old cable trams of the early 1890s were purchased from Sydney. They were placed on new underframes with electric motors and the roof extended at either end.

Windscreens were not provided on Ballarat's trams until 1913 after complaints from ladies who were forced to stand on the front platform in the rain whilst paying their fares.

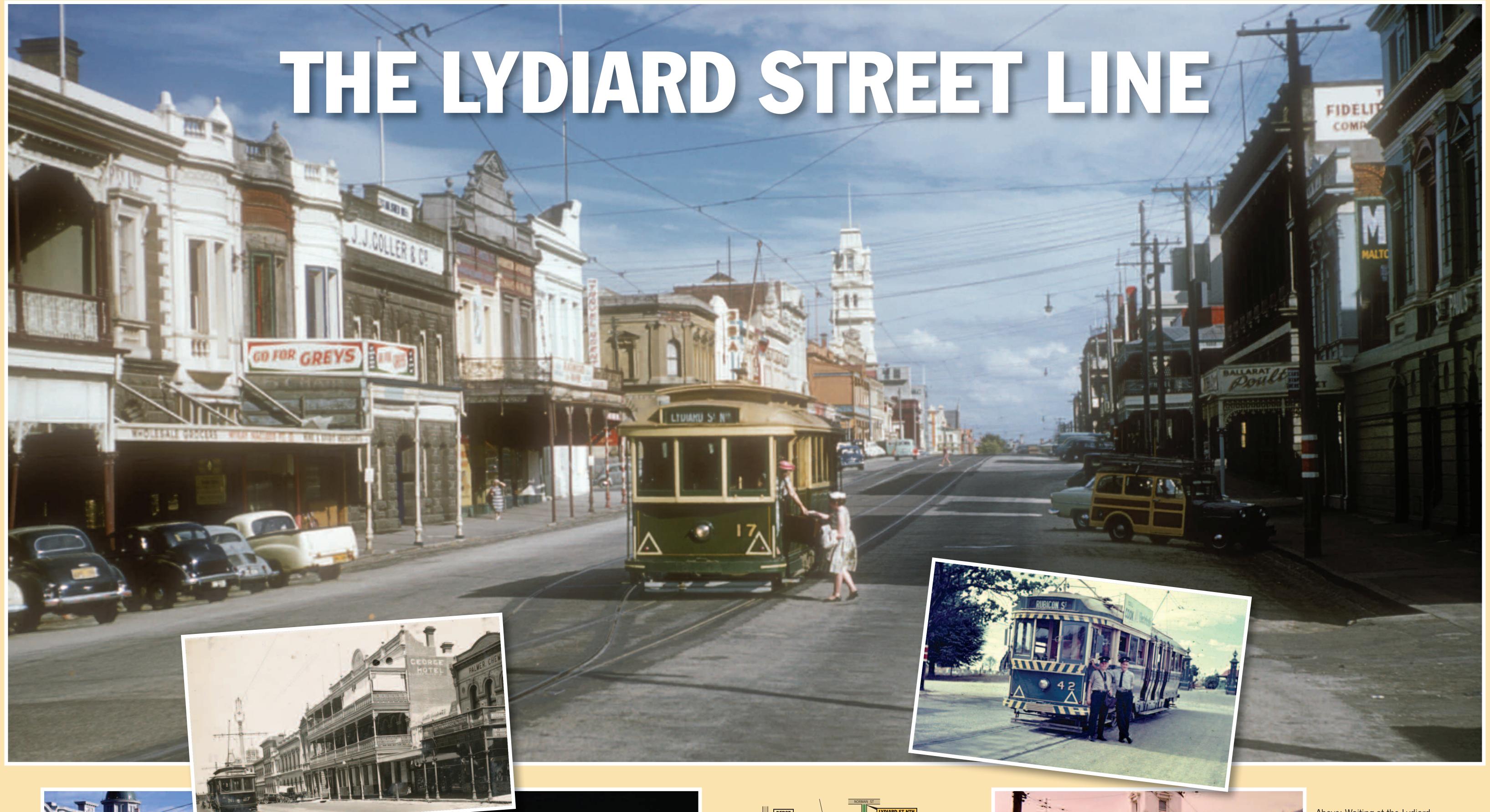
By the 1930s these trams were falling apart and were replaced with second-hand trams from Melbourne and Adelaide. The replacement trams of the First World War era were of a much heavier build and are still in service today with the Museum.



Left:
Broadbent's Official
Copyright Map No.177,
showing Ballarat's tram
routes, n.d. (pre 1966).
The full extent of the
system included Norman
Street to the north and
the Royal Mail in
Sebastopol to the south.
Photo: BTM Collection







Above: Passing the Provincial Hotel, opposite the Ballarat Railway Station. Photo: Dick Jones, March 1969

Right: Tram No.42 passes the Railways Institute building. Photo: Travis Jeffrey, c1962

Above: A special Vintage train waits at Ballarat Railway Station, viewed from the station over-bridge. Photo: Dick Jones, October 1969

Top: Lydiard Street showing George Hotel, Ballarat. Postcard: Valentine Series, c1930, BTM Collection

Main image: Tram No.17 setting down passengers at Market Street. Photo: Ben Parle, April 1958



Above: Waiting at the Lydiard Street terminus, opposite the Ballarat General Cemetery. Photo: Travis Jeffrey, 1962

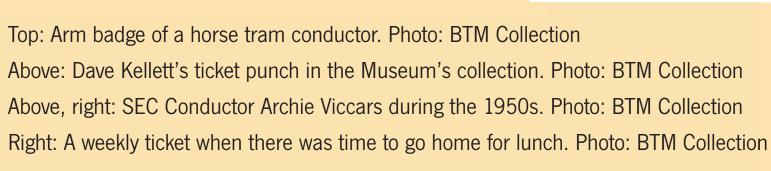
Left: Turning from Sturt Street into Lydiard Street North, past the former Post Office, this tram was advertising the meeting from which the Ballarat Tramway Museum was formed. It was a bleak day for a bleak event; the forthcoming closure of the SEC system. Photo: Chris Phillips, March 1971











Connies

Apart from selling tickets, each conductor was expected to dust the horse tram's seats and windows before each trip, check passengers were safely seated and call out street names. Hours were long and pay was low. During the 1890's conductors were paid 14 shillings per week, half that of a Melbourne cable tram conductor.

Cash collected was balanced against the tickets sold. If you were short, it was taken out of your wages or you were sacked for being incompetent. If you were over, it was kept by the Company.

There were no ticket machines on trams in Ballarat. The Museum still issues traditional tickets.



MUSEUM

Dave Kellett (1923-2008)

Conductor, Driver and Inspector

Dave commenced as a conductor with the State Electricity Commission in 1949 after returning from service in the Second World War. Although badly injured following a collision with a semitrailer whilst driving in 1954, he worked through until the tramway system closed, in 1971.

"People used to rely on trams, some trams were so full we used to have fun trying to get

fares."



Above left: Conductor Kellet preparing for work after freshly ironing his shirt. Photo: G. Kellett, early 1950s

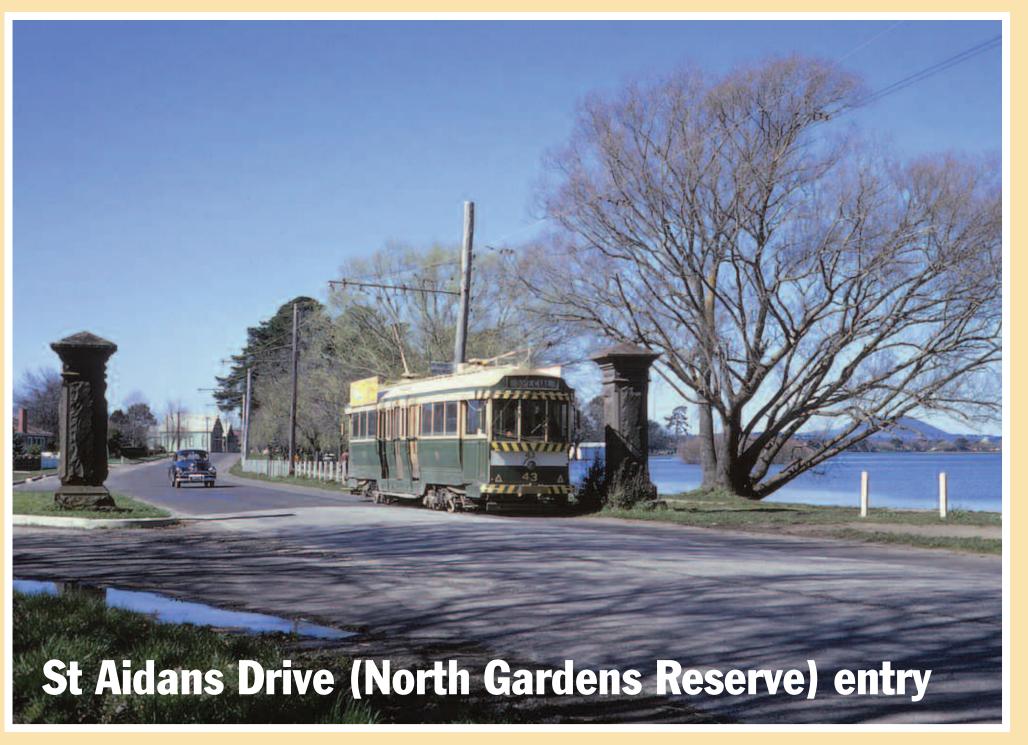
Right: Ballarat Tramways longest serving employee Robert Haines looking very authoritative. Photo: BTM Collection

BALLARAT TRAMMAY GONDUGIORS

Conductors – or Connies – played an important role in the operation of the original horse trams, selling tickets to passengers and as well as performing numerous other duties.

Some spent their entire working life working on the trams. Ballarat's longest serving employee was Robert Haines who retired in 1937 after fifty years of service with both horse and electric trams.





Top: Tram No.43 passes the gate pillars to arrive in the Gardens area. The 1887 Jubilee Church and Mount Warrenheip can be seen in the background. Photo: Andrew Cook, September 1971

Right: This area was prone to flash flooding. Here Tram No.41 makes a bow wave during the last days of SEC operations. Photo: Charles Craig, August 1971

St Aidans

This location is named after the once nearby St Aidans Theological

College. The area was prone to flash flooding, though this usually didn't affect the operation of the trams.

When the gardens were created in 1857 they were fenced and gated. The gate pillars have moved to allow for the road to be widened, the last time was in 2003. The former gatehouse has been relocated to centre of the Gardens.

The Two Bottle Box



Some drivers occasionally used them to hold other non-essential items as well - thus earning it the 'two bottle box' nickname.

This was in the days before zero blood alcohol.

When operating a tram in the one-man mode, drivers were issued with a large tin - a connie box – to hold ticket wallets, spare tickets and other equipment.





THE SEBASTOPOL LINE

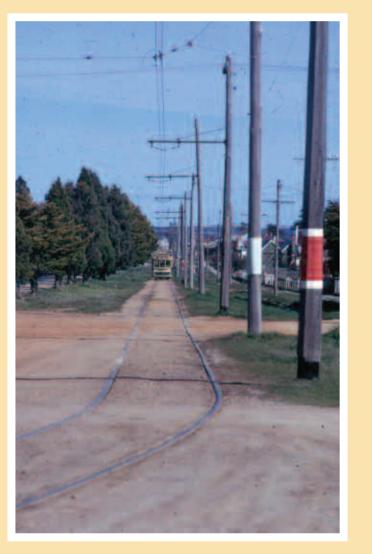
Originally the Sebastopol line was to terminate at Victoria Street, however after some persuasive coercion by the Mayor of Sebastopol, the line was extended to Morgan Street – and the Royal Mail Hotel, of which he was also the publican.

STENEN.

Looking north along Albert Street, a horse-drawn tram makes its way to the city.
Photo: Harris House of Photography, c1900



Above: The Sebastopol terminus – a favourite stop and watering hole for some Tramway employees. Photo: Chris Phillips, 1970



Above: The Sebastopol line ran along one side of Albert Street, then just a two lane local road. Photo: Mark Plummer, September 1971



Above: Nearing the end of its trip from Lydiard Street North. Photo: Tony Smith, 1971

Inset, above: One of the "Sebastopol" tramcars built to service this line in 1913 at Victoria Street. Photo: Wal Jack, March 1935



