

Community initiatives growing from Trove

Mel Hunt
Trove Data & Platform
Innovator



 **Trove**
trove.nla.gov.au



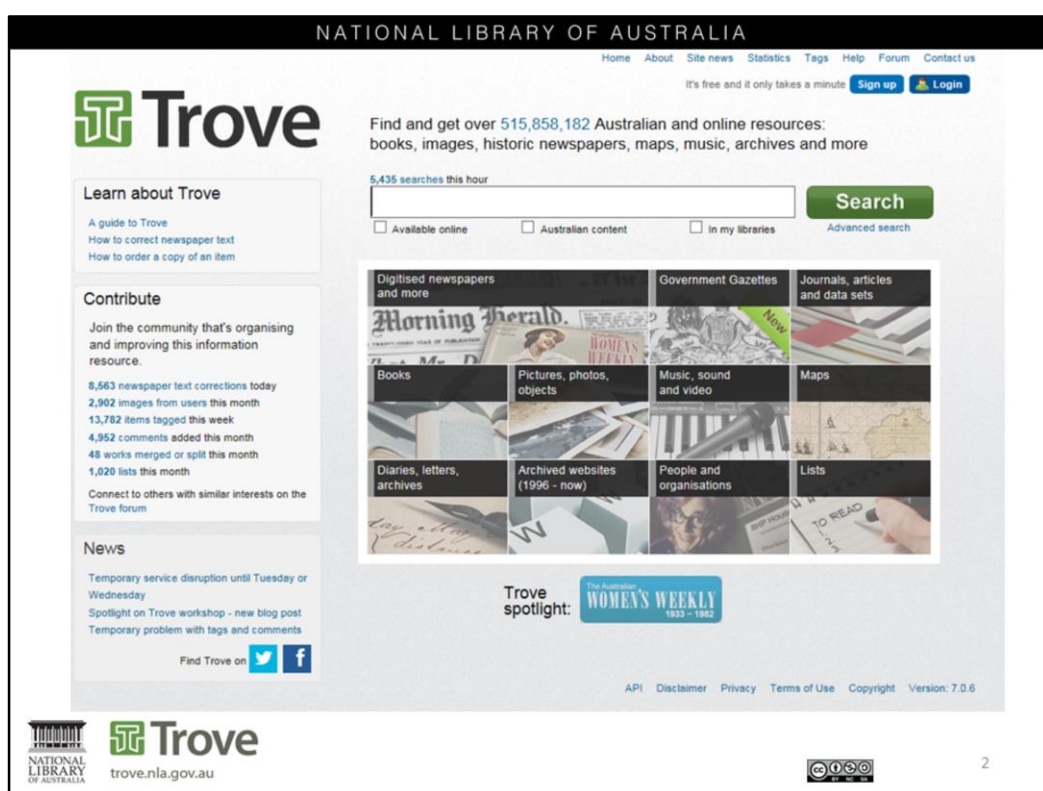
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Digital Inclusion Forum

Monday 26 June 2017 – Auditorium 1, State Library of Queensland, 10:55am Community initiatives growing from Trove – Mel Hunt, Trove Data and Platform Innovator, National Library of Australia.

Good morning - today I'll be speaking about Trove, a service run from the National Library with help from thousands of libraries, museums, archives, universities and clubs around Australia.

In particular, I'll be highlighting for you three community-driven initiatives and projects which show how a service like Trove is being used by users and communities in the online space.



First I'll give a quick overview of Trove for those that might not know us.

Trove is a web service located at trove.nla.gov.au and we are primarily a *collection aggregator* bringing together collections from galleries, archives, museums, libraries and other community groups.

Trove groups these collections into zones – you can see them the minute you land on our homepage. Each zone is a group of similar types of content - from newspapers and government gazettes, to journals, books, pictures, music, maps, diaries, websites and people and organisations biographies –Trove has it all!

Trove is also a *Digital Collections Host* - we host all the National Library's digital collections including journals, photographs, sheet music, oral histories and maps as well as collections digitised by the NLA in partnership with others.

Trove is also a *Platform* – to research and build using tags, comments, lists and our API which allows people to create their own applications built from the collection data in Trove.

And last but not least, Trove is a *Community* of passionate users. Trove on its own is just descriptions of collections and data. It's the users who come in and connect those pieces together, to reveal and tell their stories and stories of Australia, who make Trove meaningful.

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Digitised newspapers

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Newsletters / Browse / The Sydney Gazette and New South Wales Advertiser (NSW : 1803 - 1842) / Sat 5 Mar 1803 / Page 1

Articles from page 1:

[General Orders.](#)

REPEATED Complaints having been made of the great losses sustained by the Settlers at Hawkesbury, from the vexatious conduct of the Boatmen [?] whom they send ...

Article : 486 words

[ADDRESS.](#)

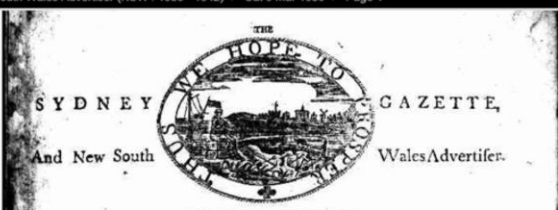
Innumerable as the Ob[?]tacles were which threatened to oppose our Undertaking, yet we are happy to affirm that they were not inq[?] unmountable, however difficult the task ...

Article : 125 words

[Classified Advertising](#)

(No abstract available)

Advertising : 63 words



PUBLISHED BY AUTHORITY.

Vol. I. SATURDAY, MARCH 5, 1803. Number 1.

In conformity with the Act of Parliament, passed in the 22d Year of His Majesty King George the Third, for the better Regulation of the Press, and to give more Effect to the Laws relating to the same, His Majesty's Command is hereby published, that all Advertisements, Orders, &c. which appear under the Official Signature of the Secretary of the Colonies, or of any other Officer of Government, properly authorised to publish them in the Sydney Gazette, and New South Wales Advertiser, are correct, and shall be deemed to be such official and authentic Notifications, in the same Manner as if they were personally signed by any one individual, or Officer, to whom such may have a Reference.

By Command of His Excellency the Governor and Commander in Chief, WILLIAM NEATE CHAPMAN, Secretary.

Sydney, March 5th. 1803.

General Orders.

REPEATED Complaints having been made of the great losses sustained by the Settlers at Hawkesbury, from the vexatious conduct of the Boatmen by whom they send their Grain to Sydney, the following Regulations are to be observed.

Every person loading Grain from the Hawkesbury at Sydney in an open Boat, or a Boat that is not well-manned, the Boatmen are directed to take no notice thereof.

When proof is shown that the Master of a Boat is a vessel more grain than the vessel ought to take with safety, the Master shall be liable to pay a fine for every vessel so loaded, or otherwise damaged, into the hands of the port, and the vessel shall be liable to be seized, and the Master thereof to be imprisoned, until the said Grain is removed from the Boat.

When will be asked to the Civil, Military, &c. will further Orders, every in the directions and following people, at the Hill, Stone-Hill, and other that Poles, who will receive Fine, as they have not the convenience of Hills.

read in the Court on board the Ship, by His Excellency W. N. CHAPMAN, Sec. Government House, Feb. 20, 1803.

THE Resolving Committee at Government and Hawkesbury, being that with View, which is settling, no more can be taken in at their place until further Orders, are to be in payment for Government Bids, and the Warrant is intended to be in the Public House.

What will continue to be received from the Store at Sydney, until further Orders.

When will be asked to the Civil, Military, &c. will further Orders, every in the directions and following people, at the Hill, Stone-Hill, and other that Poles, who will receive Fine, as they have not the convenience of Hills.

To be delivered to each Person as the Governor may think proper to grant Permission, some Orders.

The above is to be the Civil and Military Officers, Norfolk Island.

By Command, W. N. CHAPMAN, Sec. Government House, March 4, 1803.

ADDRESS.

Innumerable as the Obstacles were which threatened to oppose our Undertaking, yet we are happy to affirm that they were not unmountable, however difficult the task before us.

The utility of a PAPER to the COLONY, as it must upon a future of field information, with, we hope, be universally felt and acknowledged. We have created the assistance of the Colonies and REVENUE, as Wagon, was intended to Political Division, as

I'll take a minute to dive a little deeper into Trove so you can get a clearer picture of what's there.

We are most well-known for our digitised newspapers – from Australia's first newspaper printed in 1803 – the *Sydney Gazette and NSW Advertiser*...

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Newspapers Browse / The Age (Melbourne, Vic. - 1854 - 1954) / Mon 16 May 1938 / Page 11

Articles from page 11: < >

BRADMAN 257 NOT OUT
 Carrying on though lame almost throughout his innings of 5½ hours on Saturday, against bowling which was creditable until he began to induce despair in the last hour, and playing his highest innings at Lord's... Bradman, by great ... [ILLUSTRATED]
 Article : 562 words

Wicket Was Tricky Early
 Bradman won the toss against Robins, who led the Marylebone side. The weather at Lord's was dull and sultry. The wicket was damp on top, and ...
 Article : 1,600 words

THE SCORES
 (No abstract available)
 Detailed lists, results, guides : 103 words

BRADMAN'S DOUBLE CENTURY
 Bradman's score of 257 not out has already exceeded by three, runs his previous highest score at Lord's—the great 254 made in the second Test on the ... [ILLUSTRATED]
 Article : 195 words

Advertising

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THE AGE, MONDAY, MAY 16, 1938. CABLES 11

BRADMAN 257 NOT OUT
Again Chasing 1000 Runs in May
BROWN'S FAILURE
 Getting on though lame almost throughout his innings of 5½ hours on Saturday, against bowling which was creditable until he began to induce despair in the last hour, and playing his highest innings at Lord's... Bradman, by great ... [ILLUSTRATED]
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 Article : 195 words

Yarker Gets McCain

POINTERS FOR FIRST TEST
 Brown's Place is in Doubt

AIR MINISTER REEKS
 British Cabinet Chide

STILL TIED TO BERLIN AXIS
 Impression from Duce's Speech

MEXICAN ACTION
 Diplomatic Relations Severed

BRITAIN "UNFRIENDLY"
 LONDON, May 15

VON CRAMER FOUND GUILTY
 Imprisoned For One Year

GRAVE CONCERN IN U.S.A.
 Marine Battering May Be Landed

NEW BELGIAN CABINET
 Eleven Non-Party Members

REPLY TO HOTEL
 Pecuniary Obligations

ARE CHINESE ISOLATED?
 Japanese Claim at Hankow

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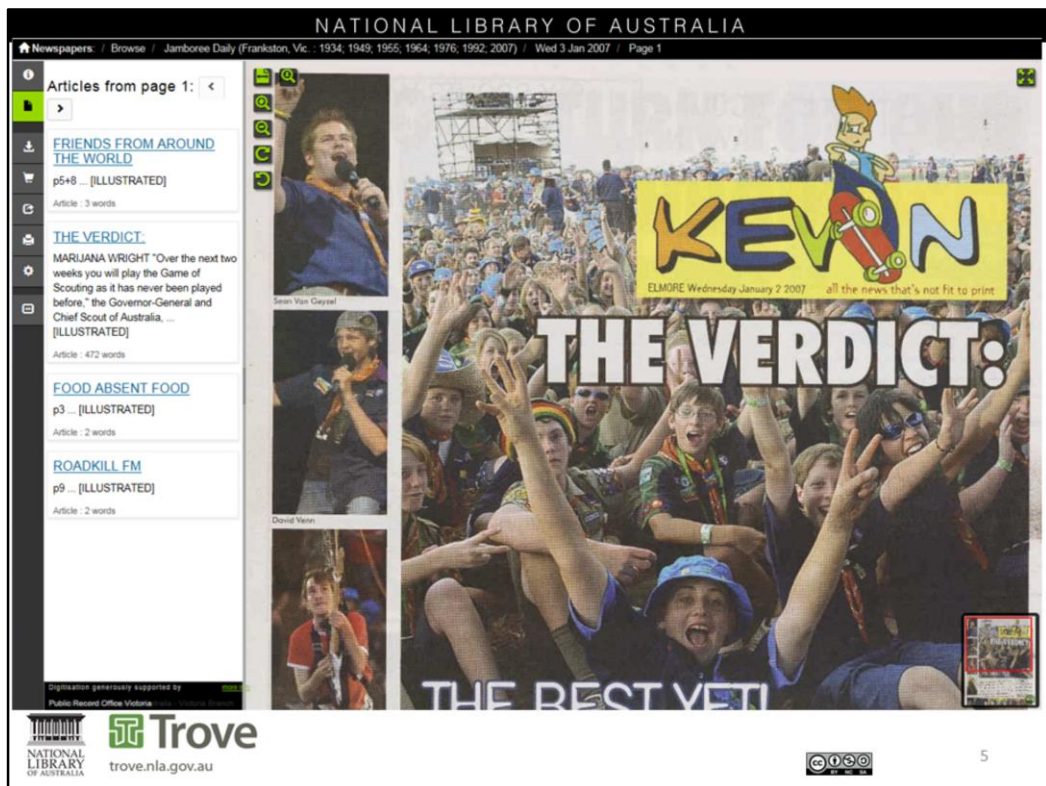
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ARE CHINESE ISOLATED?
 Japanese Claim at Hankow

<http://nla.gov.au/nla.news-page19249949>

To major metropolitan dailies like the *Melbourne Age*...

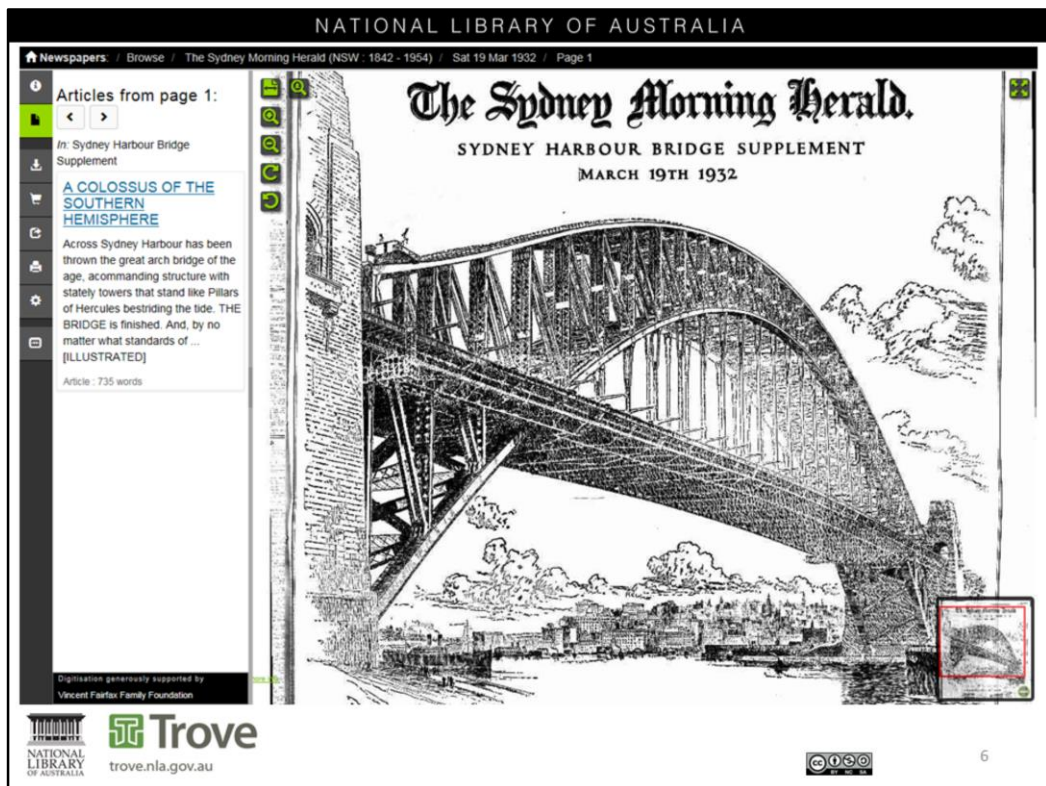


<http://trove.nla.gov.au/newspaper/page/24970088>

As well as small and niche titles like the *Scout's Jamboree Daily* printed every day of the jamboree in 2007.

Generally, digitised newspaper content in Trove covers from that first newspaper title in 1803 up to 1954 when copyright comes into play. There are issues from over 1,000 newspaper titles – big & small.

Currently more than 21 million pages have been digitised and all are freely available to the public to view, search, download, print.



<http://nla.gov.au/nla.news-page1157138>

This means a lot of Australia's history, as told at the time, is available in Trove. From big events like this one - the opening of the Sydney Harbour Bridge in March 1932...

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Newsletters / Browse / The Forbes Advocate (NSW: 1911 - 1954) / Fri 20 Mar 1925 / Page 5 / EUGOWRA

Fix this text
Why are there text errors?

EUGOWRA

Wron Our own "Correspondent".

WEDDING BELLS.

On Wednesday, March 4, the Welsh Memorial Church, Eugowra, was the scene of a very pretty wedding of considerable local interest, when Miss "Polly" Douglas, second daughter of Mrs. Douglas, and the late Mr. D. O. Douglas, of "Long Gully," Eugowra, and Mr. William Henry Shields, of Albury, were united in the bonds of holy matrimony. The pretty little church, which was nicely decorated by friends of the bride and bridegroom, was filled with interested spectators and well-wishers. Rev. R. G. Cruikshank (Presbyterian), of Forbes, was the officiating clergyman.

The bride entered the church on the arm of her brother Colin, wearing a handsome gown of ivory morocain, with silver trimmings, long court train of rucked georgette, an embroidered tulle veil and wreath of orange blossoms. She carried a beautiful shower bouquet of carnations and fern, with silver streamers, the gift of the bridegroom. Miss

EUGOWRA

From Our Own Correspondent.

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QUANDIALLA

(From Our Own Correspondent)

ORDER OF ODDFELLOWS.

At a special meeting on Wednesday, the 11th inst., of the Quandialla branch of the Grand United Order of Oddfellows, a warm welcome was extended to District Secretary Bro. Smythe, of Wyalong, and to Inspector Peirce, who is making a tour among the branches of the district.

New members were initiated, the election and installation of officers resulted as follows:—P. Bro. Milton; N.G., Bro. C. Redd; V.G., Sister McEvoy; Fin. Sec., Smith (re-elected); Rec. Sec., O. W. Olsen; Treas., Bro. A. J. Stock; Warden, Bro. F. Chas. (re-elected); Guardian, Bro. J. Olsen.

Addresses given by the visiting officers were much appreciated by members.

BLAND-BIMBIE

It is observed that the Shire Council is doing this centre on the Bland. Of great convenience.

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<http://nla.gov.au/nla.news-article218717184>

To tiny events like descriptions of weddings in country towns.

So why do we think this is important? Well - because it entices users to help build their digital literacy. It's interesting to learn about yourself, the street you lived in, the school you go to, what your grandmother wore to her wedding. People want to find out about themselves, and their own history, and their own interests and personal interest prompts learning and digital literacy.



One of the items that's available in Trove is fifty years of *The Australian Women's Weekly*... which leads to me to my first tale about a community initiative growing from Trove.

The Weekly has always contained patterns – knitting patterns, sewing patterns, crocheting, tatting, the list goes on. This is the cover from the issue dated Wednesday 25th November 1959.

SURE to be a great favorite with the children, this elephant will be a durable toy.

Materials: 5 balls grey Peacock Knit, 2 small buttons; 1 pt. No. 12 knitting needles; 100 yds. of suitable Alling; thread of black wool.

This toy is worked in double-wool and garter-stitch.

TRUNK (Make 2)

Cast on 4 sts.

R 2 rows.

3rd Row: K 2 tog., k to last

st., k twice into last st.

Rep. last 4 rows once.

11th Row: K to last st., k

twice into last st.

12th Row: Knit.

Rep. last 2 rows.

15th Row: K twice into last

st., k to end.

16th Row: Knit.

Rep. last 2 rows.

17th Row: K twice into last

st., k to last 2 sts., k 2 tog.

R 3 rows.

21st Row: K twice into last

st., k to end.

ELEGANT ELEPHANT

22nd Row: Knit.

23rd Row: K twice into last

st., k to last 2 sts., k 2 tog.

24th Row: Knit.

25th Row: K twice into last

st., k to end.

26th Row: Knit.

Rep. last 2 rows 3 times.

Leave on a spare needle.

BODY

Front Leg: Cast on 14 sts.

R 2 rows.

3rd Row: K to last 2 sts., k

twice into last st.

4th Row: Knit.

Rep. last row.

25th Row: K to last st., k

twice into last st.

R 3 rows.

Rep. last 4 rows. Leave on

spare needle.

Back Leg: Cast on 12 sts.

R 2 rows.

3rd Row: K to last 2 sts., k

twice into last st.

4th Row: Knit.

Rep. last row.

50th Row: K to end, pick

up sts. on spare needle for

trunk, k to end.

46th Row: K 2 tog., k to end.

R 3 rows.

50th Row: K 2 tog., k to end.

R 5 rows.

56th Row: K 2 tog., k to

end.

Rep. last row.

58th Row: Knit.

59th Row: K to last 2 sts.,

k 2 tog.

60th Row: Knit.

61st Row: K 2 tog. each end.

62nd Row: Knit.

63rd Row: K to last 2 sts.,

k 2 tog.

Rep. last 2 rows 3 times.

70th Row: Knit.

71st Row: K 2 tog., k to

end.

Rep. last row twice.

74th Row: K 2 tog., k to

end.

75th Row: Cast off 8 sts., k

to end.

Rep. last 2 rows twice.

80th Row: K 2 tog. each end.

Rep. last row twice.

Cast off, k 2 tog. each end.

UNDERBODY (Make 2)

Work same as back, small

4th Row: Knit.

Rep. last row.

K 21 rows.

27th Row: K, inc. 1 st. each

end of row.

28th Row: Knit.

29th Row: K to last st., k

twice into last st.

30th Row: Knit.

31st Row: K twice into last

st., k to end.

Cast on 10 sts. pick up sts.

on spare needle for front leg,

k to last st., k twice into last

st.

32nd Row: K to last st., k

twice into last st.

33rd Row: K twice into last

st., k to end.

34th Row: Knit.

Rep. last 2 rows.

37th Row: K to last st., k

twice into last st.

38th Row: Knit.

Rep. last 2 rows 3 times.

43rd Row: K to end, pick

up sts. on spare needle for

trunk, k to end.

46th Row: K 2 tog., k to end.

R 3 rows.

50th Row: K 2 tog., k to end.

R 5 rows.

56th Row: K 2 tog., k to

end.

Rep. last row.

58th Row: Knit.

59th Row: K to last 2 sts.,

k 2 tog.

60th Row: Knit.

61st Row: K 2 tog. each end.

62nd Row: Knit.

63rd Row: K to last 2 sts.,

k 2 tog.

Rep. last 2 rows 3 times.

70th Row: Knit.

71st Row: K 2 tog., k to

end.

Rep. last row twice.

74th Row: K 2 tog., k to

end.

75th Row: Cast off 8 sts., k

to end.

Rep. last 2 rows twice.

80th Row: K 2 tog. each end.

Rep. last row twice.

Cast off, k 2 tog. each end.

UNDERBODY (Make 2)

Work same as back, small

• He is elegant as elephants go! And he's quickly knitted in plain garter-stitch.

EARS (Make 2)

Cast on 12 sts.

R 2 rows.

2nd Row: K, inc. 1 st. each

end.

3rd Row: Knit.

Rep. last 2 rows 3 times.

10th Row: K to last st., k

twice into last st.

11th Row: Knit.

Rep. last 2 rows twice.

16th Row: K to last 2 sts.,

k 2 tog.

17th Row: Knit.

18th Row: K 2 tog. each

end.

19th Row: Knit.

Rep. last 4 rows 3 times.

Cast off, k 2 tog. each end.

SOLES OF FEET (Make 4)

Cast on 5 sts.

R 2 rows.

2nd Row: K, inc. 1 st. each

end.

3rd Row: Knit.

Rep. last 2 rows twice.

R 3 rows.

13th Row: K 2 tog. each

end.

14th Row: Knit.

Rep. last 2 rows twice.

Cast off.

TAIL

Cast on 7 sts.

R 28 rows.

29th Row: K 2 tog. each

end.

30th Row: Knit.

Rep. last 2 rows once.

Cast off.

TO MAKE UP

Join underbody, attach can-

off edge.

Join the underbody legs and

legs of body at the sides, leav-

ing an opening at the bottom,

then sew up body, leaving an

opening on back for stuffing.

Sew pads in bottom of legs.

Fold tail in half and sew up,

leaving an opening at cast-on

edge. Turn right side out and

stuff well. Sew up opening.

Sew into position. Sew ears on

the side of head at cast-on edge.

and underbody, attach can-

off edge.



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As a member of H.C.F. you are entitled to Commemorative benefits to help offset your cost of your dependents. You can be benefited up to £27.10 a week. Medical benefits for the cost of almost every kind of operation to ensure your dependents benefit too (£15.10).

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<http://nla.gov.au/nla.news-page-4830472>



On page 63 is a pattern for the 'Elegant Elephant'.

Ravelry.com is a site where knitters gather and share patterns. Users from Ravelry.com have gone through all these digitised issues, found the patterns, tagged and grouped them in Trove and re-shared the old patterns on Ravelry.com.

schaefchensilvia's Elefant

full screen close

view this project: [schaefchensilvia's Elefant](#)<http://www.ravelry.com/patterns/library/elegant-elephant-2/people/slideshow?fullscreen=1&start=48598164> **trove**
trove.nla.gov.au

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Modern day patterns cost money and are in copyright so hard to share.

But the Ravelry users have taken this particular pattern and used it to knit their own elephants.

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BeaBeaKnits' Rhani the Elephant

full screen

close

view this project: [BeaBeaKnits' Rhani the Elephant](#)



<http://www.ravelry.com/projects/BeaBeaKnits/elegant-elephant>






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They share tips and advice amongst their own community on how best to make this item. Like which wool to use, or how to solve a quirk in the original pattern notes.

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KnittingRewound's Abigail's elephant

view this project: [KnittingRewound's Abigail's elephant](http://www.ravelry.com/projects/KnittingRewound/elegant-elephant)



  <http://www.ravelry.com/projects/KnittingRewound/elegant-elephant>



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So that now, there are not one... not two...



but 54 quite spectacular elegant elephants in existence, made by Ravelry.com users.

Now this is an online craft community, they're interested in knitting. When they get online, when they go to Ravelry.com, they're looking for knitting patterns. Members of that community have found useful material in the old *Women's Weekly* issues, and enticed more of their members to come look. Now they are making stuffed toys for their families and friends... but they're also doing something more. They're helping their knitting community to learn about ways to investigate Australian history. How to learn a new skill – to correct the text in an old newspaper – so they can do what they're passionate about which is to share patterns & knit!

Typically it is historians, particularly family historians who are the biggest big users of Trove. Ravelry are not family historians. they're a completely different community, and they've found a way to use Trove for their own needs. And in doing so introduced new people to Trove and a way of finding out about Australian history. The elephant is only 1 of almost 100 knitting patterns this community have identified and remade.

So that's one example of a community-driven initiative using Trove's digitised magazines. Here's another...



ABC Rural reporter Caddie Brain had just moved to the NT and she had a problem. How could she contribute to more informed reporting, better storytelling and broader cultural literacy about the Territory?

Ms. Brain addressed these questions in a unique way - with the support of the NT Government she formed WikiclubNT. WikiclubNT is a monthly meet-up where likeminded Territorians come together to update and create new Wikipedia pages about Northern Territory people, places and histories. Editing Wikipedia can be a solitary task. But by building a social club around the goal, they have established a very close group of people, who love to meet, share stories and recent discoveries about Territory history.

These local stories are then shared with the world through Wikipedia. If you've ever edited Wikipedia yourself you'll know you have to include citations, to prove what you're saying is factually correct, and that's where Trove comes in. Trove enabled this community to track down references in old newspapers and relevant photographs and biographies held in various library collections -Trove allows you to find them in one convenient place. They have created more than 50 new pages about the Territory thus far – such as...



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Ella Stack

From Wikipedia, the free encyclopedia

Ellen Mary Stack (born 1929) was a doctor and the first female Lord Mayor of an Australian capital city. She was the first Lord Mayor of [Darwin, Northern Territory](#) from 1975 to 1980. She is best known for her work following the destruction of Darwin due to [Cyclone Tracy](#).

Contents [\[hide\]](#)

- Early life
- Medical career
- Cyclone Tracy and life in Darwin
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Early life [\[edit \]](#)

Stack was born in Sydney on 4 May 1929, the daughter of William and Elizabeth Stack. She attended Brigidine Convent in Randwick and went on to study piano at the Conservatorium of Music in Sydney^[1]

Stack married Thomas (Tom) Lawler, an agricultural scientist, in 1957.^[2] They have three sons.^[3]

Medical career [\[edit \]](#)

Ellen Mary Stack



Ella Stack

Lord Mayor of Darwin

In office
1975–1980

Preceded by [Harold "Tiger" Brennan](#)

Succeeded by [Cecil Black](#)

Personal details

Born
4 May 1929
Sydney

https://en.wikipedia.org/wiki/Ella_Stack




trove.nla.gov.au



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A profile on Australia’s first female Lord Mayor, Ella Stack who was mayor of Darwin during Cyclone Tracy...

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In other projects

https://en.wikipedia.org/w/index.php?title=Australian_feral_camel&action=edit

Article [Talk](#)

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Australian feral camel

From Wikipedia, the free encyclopedia

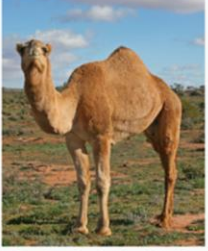
Australian feral camels are *feral* populations consisting of two species of camel: mostly *dromedaries* (*Camelus dromedarius*) but also some *bactrian camels* (*Camelus bactrianus*). Imported into Australia from *British India* and *Afghanistan*^[1] during the 19th century for transport and construction during the colonisation of the central and western parts of *Australia*, many were released into the wild after motorised transport replaced the use of camels in the early 20th century, resulting in a fast-growing feral population.

By 2008, it was feared that Central Australia's feral camel population had grown to about one million and was projected to double every 8 to 10 years. Camels are known to cause serious degradation of local environmental and cultural sites particularly during dry conditions. A A\$19 million management program was funded in 2009 and upon completion in 2013, the feral population was estimated to have been reduced to around 300,000.

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Australian Feral Camel



Dromedary, *Camelus dromedarius*, the dominant species of the Australian feral camel

Scientific classification

Kingdom: *Animalia*

Phylum: *Chordata*

Class: *Mammalia*

Order: *Artiodactyla*

Family: *Camelidae*

https://en.wikipedia.org/wiki/Australian_feral_camel



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and the story of Australia's first (and now feral) camels.

WikiclubNT is a great example of a community using Trove to tell their own stories. They've told us that without Trove, progress would be debilitatingly slow, near impossible. They would be dependent on old physical newspapers and microfilm and wouldn't have access to the range of materials they've discovered.

It also allowed them to reference more direct sources, helping people discover source materials for themselves, rather than merely being referred to books which they may not actually be able to see online. Having a service like Trove has enriched their research and storytelling immeasurably. It's allowed people of the Territory to tell their own stories and make their stories known to the world. And along the way they are learning new skills, to be able to tell their stories online in big global service like Wikipedia. WikiclubNT has now taken their success on the road, with workshops in Alice Springs, Tennant Creek and Katherine.

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Corporate Coles Hand **Search**

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1845, English, Object edition:
Corporal Coles prosthetic hand
 Robert Norman

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Bookmark: <http://trove.nla.gov.au/version/208892762>

Physical Object
 Whale bone, metal spools, catgut pulleys
 small "hand size" approximately L16cm x W8cm x H6.5cm
 1845
 English

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<http://trove.nla.gov.au/version/208892762>

My third and final example relates to Corporal Coles prosthetic hand. It's held by the Health Museum of South Australia, who've put a record describing it into Trove. In Adelaide, 1842, Corporal John Coles was preparing to fire a cannon - the gunpowder exploded and he lost the fingers of his right hand.



Robert Norman (1845), *Corporal Coles prosthetic hand*,
Picture courtesy of the Health Museum South Australia



Two years later a Surgeon Dentist named Robert Hasting Norman arrived in Adelaide to establish the colony's first dental practice. Norman was particularly interested in carving and the practical applications of it. The Governor of South Australia sponsored the dentist to construct a prosthetic hand for Corporal Coles and Corporal Coles used the hand for 42 years until his death in 1886.



<http://www.npr.org/sections/health-shots/2013/06/18/191279201/3-d-printer-brings-dexterity-to-children-with-no-fingers>



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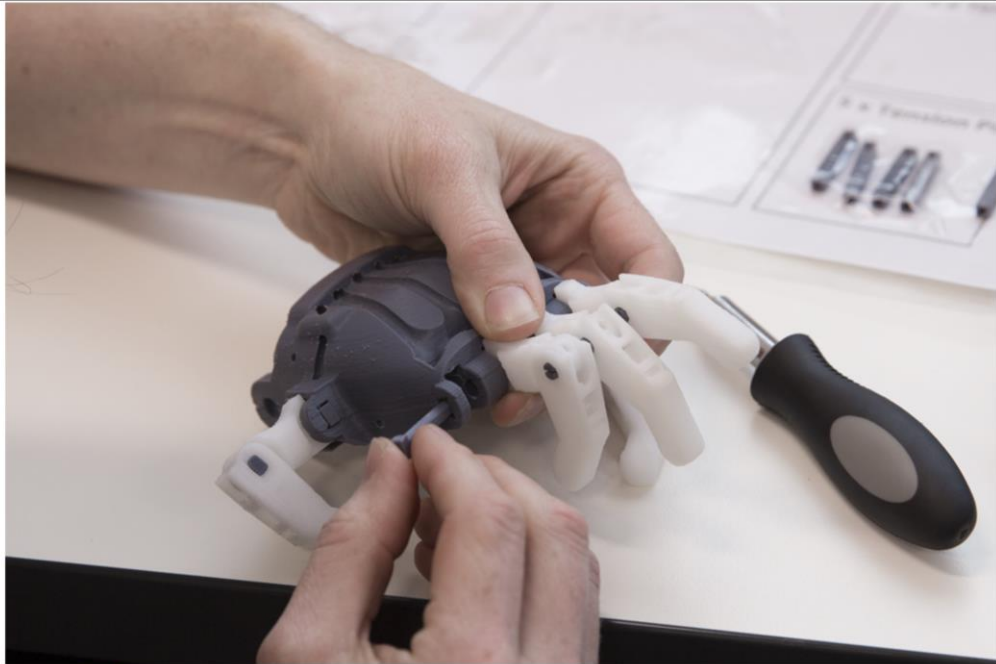
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Fast forward and more than a century later a special effects artist and engineer named Ivan Owen, is working away in his garage building a mechanical hand for a monster costume. He creates a YouTube video of the hand that

catches the eye of a carpenter in South Africa. That carpenter lost fingers from one of his hands in an accident and has been working to rig up artificial fingers. The Carpenter suggests they work together to build a mechanical prosthetic based on Ivan's design.

With some crowd-funding and support from a 3D printing company they begin work, long distance across continents. Their project soon comes to the attention of a South African woman whose son Liam had been born without fingers on his right hand. At this stage I should mention that prosthetic devices are expensive to make and not often made for children, as their rapid growth means the prosthetic would need to be regularly re-made. The American special effects designer and South African carpenter are struck by an idea. Could cheap prosthetics be made using the work they've been doing with modern technologies like 3D printers? Could they help Liam?

Ivan searched Google for historic examples of body-powered hand designs. His research lead him to the Health Museum of South Australia's story of the Coles Hand. This story, while useful, lacked the detail he needed to complete the design. Further searching ensued and he found the record in Trove, which included crucial details about the materials used and how the mechanism worked – 'Catgut pullies and whalebone fingers crafted at just the right angle'. Particularly useful was the description that the hand was 'beautiful in its mechanism and accurate in its working that Corporal Coles could pick up a button or a sixpence with pleasing facility'. Ivan and the Carpenter succeeded in building a prototype hand, based on their own work and refined by the descriptions of the Corporal Coles hand. It's body powered. Strap it on, twist your wrist in one way and the fingers contract. Twist another way and they release. They shared their work on an open source platform called Thingiverse.



This means anyone can download the pattern for this hand and if they have access to a 3D printer, create the parts for their own prosthetic hand. A number of parents of children in need of prosthetics have done just that. Instead of paying tens of thousands of dollars for a prosthetic the child will quickly grow out of. They pay less than a dollar for the plastic to 3D print the parts, buy some hat elastic and Velcro, screws and fishing line and voila – a prosthetic.

It's an activity that the parent and the child can do together – to fine tune the design to just that child's size, to change the colours, to learn how to use a 3D printer, to create and build their own hand, they often get done in amazing colours to look like Superman, or Captain America, or Ella from 'Frozen'. The fabulous team at Questacon in Canberra have a 3D printer and printed off the parts for the Trove team. Which we then assembled...



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Trove and Questacon's version of [The Raptor](#).

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Into Trove's very own 3D printed Raptor hand. We spent an afternoon building our own Raptor Hand – it was very easy and much like putting together Lego. The designers intentionally made the plans public domain with the hope that not only could the hands be made at very low cost, but that others would enhance the design. This is exactly what happened.



<http://enablingthefuture.org/2016/11/05/cams-3d-printed-hand-journey/>



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A community called Enabling the Future has grown around the design with a view to using 3D printing to literally give the world a helping hand. They get later primary school kids involved in building the hands, which involves downloading the plans, tweaking them to the right size for someone who needs one, finding the accompanying YouTube video and printing out the parts and assembling them. So that, 168 years after Corporal Coles first used his prosthetic hand, Liam in South Africa and hundreds of other children are able to pick up coins with their body-powered three dimensional hand.

They've even used the existence of the 1840s Corporal Coles hand to defeat a patent challenge in the US. Its existence proved that the design was historical and therefore couldn't be patented. Meaning the publicly available design could remain open source, for anyone to download and use.

Did Trove set out to establish a platform that would allow 3D printing designers to create prosthetics for children? No. But by making information available and findable, you never know what people will do with it. It sparks creativity and empowers communities to pursue their own interests.

So – in summary – that's three initiatives driven by communities growing from Trove...

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craftygreenrabbit's Painted Elephant

view this project: [craftygreenrabbit's Painted Elephant](http://www.ravelry.com/projects/craftygreenrabbit/elegant-elephant)



<http://www.ravelry.com/projects/craftygreenrabbit/elegant-elephant>

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Ravelry – who want to be able to do more of the craft they love...



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Ella Stack

From Wikipedia, the free encyclopedia

Ellen Mary Stack (born 1929) was a doctor and the first female Lord Mayor of an Australian capital city. She was the first Lord Mayor of [Darwin, Northern Territory](#) from 1975 to 1980. She is best known for her work following the destruction of Darwin due to [Cyclone Tracy](#).

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Early life [\[edit \]](#)

Stack was born in Sydney on 4 May 1929, the daughter of William and Elizabeth Stack. She attended Brigidine Convent in Randwick and went on to study piano at the Conservatorium of Music in Sydney^[1]

Stack married Thomas (Tom) Lawler, an agricultural scientist, in 1957.^[2] They have three sons.^[3]

Medical career [\[edit \]](#)

Ellen Mary Stack



Ella Stack

Lord Mayor of Darwin

In office
1975–1980

Preceded by [Harold "Tiger" Brennan](#)

Succeeded by [Cecil Black](#)

Personal details

Born
4 May 1929
Sydney

https://en.wikipedia.org/wiki/Ella_Stack




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WikiclubNT - who are documenting and sharing their local stories with the world...



and the Raptor Hand – from people who are innovating and creating to enable others to pick up a coin.

These are just three groups who are using parts of Trove for their very different needs. A platform like Trove helps to enable digital literacy and learning. It is a shared space where users and communities can meet to find and share resources, to pursue their own interests in the way they want to, to build a community of interest, to learn, educate and innovate and build digital literacy and inclusion along the way.