

# How Far can Voyager be Stretched

Our experience at the National Library of New Zealand.

Making Voyager do what you want.....

- Kludges
- kidnapping functionality
- Add ons
- Java
- Perls of wisdom

## NLNZ Voyager services

- New Zealand Libraries' Catalogue

Deep linking <http://nzlc.natlib.govt.nz>

- Subscribers <http://nbs.natlib.govt.nz>

- WebCat

Importing records <http://webcat.natlib.govt.nz>

- SchoolsCat

using languagesto create a split personality <http://schoolscat.natlib.govt.nz>

- Index New Zealand <http://innz.natlib.govt.nz>

- Ranfurly <http://ranfurly.natlib.govt.nz>

- NLNZ Catalogue

DPS links <http://nlzcat.natlib.govt.nz>

- Cadence <http://cadence.natlib.govt.nz>

Deep links

## Providing links from the...

- National Bibliographic Database
- New Zealand Libraries' Catalogue

...to New Zealand library catalogues

## USING

- Form hijacking
- Perl program
- Java script

# Libraries' Catalogue

New Zealand Libraries' Catalogue Display - Windows Internet Explorer provided by National Library of New Zealand

File Edit View Favorites Tools Help

http://nzlc.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?v1=7&ti=1,7&Search%5FArg=kunekune&SL=None&Search%5FCode=GKE Google

WebCat Login New Zealand Libraries' C...

English | Māori

**New Zealand Libraries' Catalogue** beta release

Find which library has what

New Search Headings List Titles List Search History Help Exit

You searched for: Keyword = kunekune  
Displaying: record 7 of 19

Previous Next  
Display More

**Relevance:** ●●●●●

**Title:** Poaka kunekune / Ko ngā kōrero nā Apirana Mahuika ; ko ngā pikitia nā Patsy Bowey.  
**By:** Mahuika, A. T. (Apirana Tuahae)  
**Edition:** Teachers' ed.  
**Publisher:** Whanganui-a-Tara [N.Z.] : Te Rōpū Mahipukapukakura, Te Tari Mātauranga, 1986.  
**Description:** Book  
7 p. : chiefly col. ill. ; 18 cm.  
**Subject:** Maori language -- Readers -- Swine.  
**Series:** Purapura.  
**Other Contributor:** Bowey, Patsy.  
New Zealand. School Publications Branch.

**Libraries that have this item**

**Held by:** National Library of New Zealand, Palmerston North (PSL)  
=>>: Click image to Go to Library

Done Internet 100%

voyager: /opt/u01/app/voyager/nlnzdb/etc/webvoyage.open/en/local/display1.cfg

## Form Hijacking

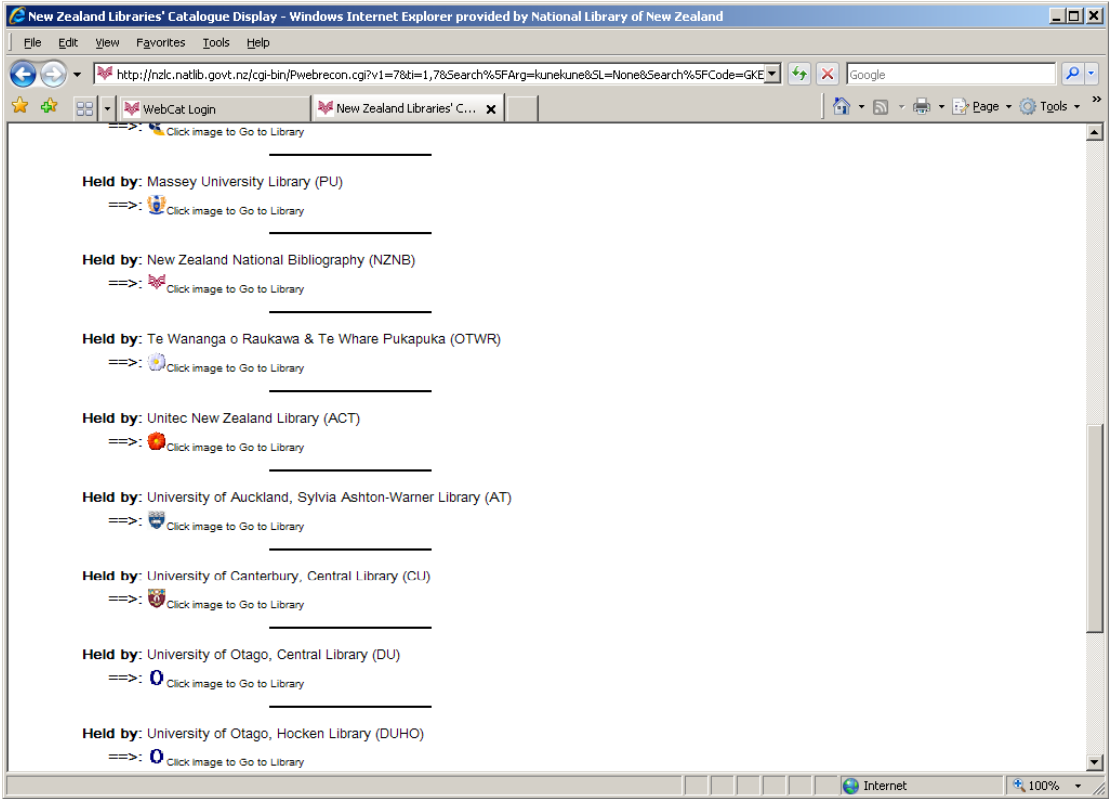
...display1.cfg

```
HTML:001:</form><form name="Catlink" action="/cgi-bin/deeplink.sh" method="GET" autocomplete="OFF"
enctype="application/x-www-form-urlencoded">
  HTML:020||a:<input TYPE="HIDDEN" NAME="ISBN" VALUE="{a}">
  HTML:022||a:<input TYPE="HIDDEN" NAME="ISSN" VALUE="{a}">
  HTML:245||a:<input TYPE="HIDDEN" NAME="Title" VALUE="{a}">
  HTML:245||b:<input TYPE="HIDDEN" NAME="Titleb" VALUE="{b}">
```

...displayh.cfg

```
Held by:
  1000
==>:
  HTML:852||b:<input type="image" name="{b}" src="/images/{b}_cat.ico" width="18" height="18"
Alt="Go to Library"><FONT size="1">Click image to Go to Library</FONT>
Link to Resource:
  3000
```

# Holdings Display



voyager: /opt/u01/app/voyager/nlnzdb/webvoyage.open/cgi-bin/

## Perl

...deeplink.pl

```
...
if (($AU or $AUAR or $AUEL or $AUEN or $AUL or $AUM or $AT) >= 1) {$returnLocation = "Location:
http://voyager.auckland.ac.nz/cgi-bin/Pwebrecon.cgi?DB=local&Search_Arg=$Vindex+%22$Search%22
&SL=None&Search_Code=CMD&CNT=25\n\n";
}
...
```

- Takes the ISBN and title info from the URL
- Takes the library symbol of the holding clicked
- Based on the symbol formulates an appropriate search using the ISBN or the title for the local library OPAC.
- Does the search

# Library OPAC

The screenshot shows a web browser window titled "University of Canterbury Library Catalogue - Windows Internet Explorer provided by National Library of New Zealand". The address bar contains the URL: <http://ipac.canterbury.ac.nz/ipac20/ipac.jsp?index=ISBN&term=0477041787#focus>. The page features a blue header with the University of Canterbury logo and the text "UNIVERSITY OF CANTERBURY Te Whare Wānanga o Waitānaki CHRISTCHURCH NEW ZEALAND". Below the header, the page is titled "Library Catalogue" and includes navigation links: "UC Home > Library > Library Catalogue". There are buttons for "Search" and "My Account", and a "Login" button next to "My List - 0". The search interface shows "Basic" selected, with "Advanced" and "Previous searches" options. The search criteria are "ISBN" and "0477041787", with a "Refine Search" button. The search results display the title "Poaka kunekune / Ko nga korero na Apirana Mahuika ; ko nga pikitia na Patsy Bowey." and provide the following details:

- Author:** Mahuika, A. T. (Apirana Tuahae)  
Bowey, Patsy.  
New Zealand. School Publications Branch.
- Subject:** Maori language -- Readers -- Swine.  
Maori language -- Readers -- Animals -- Food.
- Edition:** Teachers' ed.
- Published:** Whanganui-a-Tara [N.Z.] : Te Ropu Mahipukapukakura, Te Tari Matauranga, 1986.
- Series:** Purapura
- Series:** He purapura
- Description:** 7 p. : chiefly col. ill. ; 18 cm.
- ISBN:** 0477041787 (pbk.)
- Notes:** Reader for children.

Buttons for "Add to my list" and "Request first available copy" are visible next to the title. The browser status bar at the bottom shows "Internet" and "100%" zoom.



voyager: /opt/u01/app/voyager/nlnzdb/webvoyage.open/html/

## Java

hideform.js...

```
...
if (window.document.body.innerHTML.indexOf("XXXXXXXXXXXX") == -1) {
    var x;
    if (window.document.body.innerHTML.indexOf("There is no bib data attached to this
record.") != -1) {
        x=1;
    }
    else {
        x=2;
    }
    window.document.forms[x].style.visibility = "hidden";
    window.document.getElementsByTagName("CENTER")[7].style.visibility = "hidden";
    window.document.getElementsByTagName("CENTER")[7].style.display = "none";
...

```

WebCat Importing records

A merry mixture of...

- Form hijacking
- Yaz Z39.50
- Perl

...and a smattering of java to tidy up.

voyager: /opt/u01/app/voyager/nlnzdb/etc/webcatalog/zoclc

## Webcat example

Webcat-OCCL Detailed View - Mozilla Firefox

http://webcat.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?v1=12&SEQ=20090113091051&Search\_Arg=trains&Search\_Code=GKE

NATIONAL LIBRARY OF NEW ZEALAND TE PUNA MĀTAURANGA O AOTEAROA

You are here: Te Puna > Subscriber Services > WebCat

Return to NBD New Search Headings List Titles List Search History Login Request Help Exit

Import records from OCLC WorldCat  
Search Request: Simple Search = trains  
Search Results: Displaying 12 of 5000 entries

Previous Next  
Quick View MARC View

*Whale rider South Pacific Pictures, Apollomediamedia, Pandora Film present in...*

This is an OCLC WorldCat record.

Save this record to the NBD

**Record number:** ocm62969575

**Title:** Whale rider [videorecording] / South Pacific Pictures, Apollomediamedia, Pandora Film present in association The New Zealand Film Production Fund, the New Zealand Film Commission, NZ on Air and sponsored by Filmstiftung Nordrhein-Westfalen GmbH ; producers, Tim Sanders, John Barnett, Frank Hübner ; written & directed by Niki Caro.

**Edition:** Special ed.

**Publisher:** Culver City, Calif. : Columbia TriStar Home Entertainment, [2003], c2002.

**Description:** Visual Material  
Videorecording  
1 videodisc (101 min.) : sd., col. ; 4 3/4 in.

**Dewey:** 791.43/72 22

**LC Call Number:** PN1997.2  
PR9639.3.I5  
**ISBN:** 1404943722  
9781404943728

**Performed by:** Keisha Castle-Hughes, Rawiri Paratene, Vicky Haughton, Cliff Curtis, Grant Roa, Mana Taumaunu, Rachel House.

**LC Subject:** Grandparent and child --New Zealand --Whangarei --Drama.  
Whales --Drama.  
Chiefdoms --New Zealand --Whangarei --Drama.

**LC Children's Subject:** Ihimaera, Witi Tame, 1944- --Film and video adaptations.

**Subject:** Rangatira.

**Genre Heading:** Feature films.  
Video recordings for the hearing impaired.

**Summary:** The Whangara people believe their ancestor Paikea was saved from drowning by riding home on the back of a whale. The tribal group has since granted leadership positions to the first-born males, believing them to be descendants of Paikea. But then a young mother dies in childbirth along with her newborn male son. His twin sister survives and the little girl, Pai...

GMT/UTC: Mon 20:12 UK: Mon 20:12 US Eastern: Mon 15:12 US Central: Mon 14:12 US Pacific: Mon 12:12 Sydney: Tue 07:12 Adelaide: Tue 06:42 Perth: Tue 05:12 Done 3.327 s 3.432 s 23.69 KB 1 req

```
voyager: /opt/u01/app/voyager/nlnzdb/etc/webcatalog/zoclc
```

## Form hijacking

```
9000
HTML:001:</form><form name="oclc" action="/cgi-bin/step1.sh" method="get"
autocomplete="OFF" enctype="a
pplication/x-www-form-urlencoded">
HTML:001:<input TYPE="HIDDEN" NAME="RemoteDB" VALUE="OCLC">
HTML:001:<input TYPE="HIDDEN" NAME="uniqueID" VALUE="{001}">
HTML:001:<input TYPE="submit" NAME="SAVEit" VALUE="Save this record to the NBD">
Record number:
001 00 8
Original Language:
880 XX abc
Author:
100 XX abcdefgklnpqtu A abcdq
110 XX abcdefgklnptu A ab
...
```

Perl

- Find the oclc number out of the url sent
- Remembers the PID
- With the oclc number use Yaz Z39.50 to search OCLC and retrieve the record
- Save the record in a file
- Pbulkimport the file (record)
- Wait 4 seconds
- Send url to server to relink WebCat back to NBD using the PID remembered earlier.
- Create search on OCLC number of the record just saved
- Do the search (broken)
  
- All in about 10 seconds

Record saved

Quick View - Windows Internet Explorer provided by National Library of New Zealand

File Edit View Favorites Tools Help

http://webcat.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?Search\_Arg=%22OCOLC+154600989%22&SL=None&Search\_Code=GK

Google

WebCat Login Quick View

NATIONAL LIBRARY OF NEW ZEALAND TE PUNA MĀTAURANGA O AOTEAROA

You are here: [Te Puna](#) > [Subscriber Services](#) > [WebCat](#)

[Import from Gateway](#) [New Search](#) [Headings List](#) [Titles List](#) [Search History](#) [Login](#) [Request](#) [Help](#) [Exit](#)

You are using [WebCat](#) National Bibliographic Database

Search Request: Keyword Relevance Search = "OCOLC 154600989"

Search Results: Displaying 1 of 1 entries

[Previous](#) [Next](#)

[Quick View](#) [MARC View](#)

[Quick View](#) *Poaka kunekune / Ko te kōrero o nā Apirana Mahuika ; ko ngā pikitia...*

Relevance: ●●●●

Record number: 5033205

Creating Library: NZBU

Author: [Mahuika, A. T. \(Apirana Tuahae\)](#)

Title: Poaka kunekune / Ko ngā kōrero o nā Apirana Mahuika ; ko ngā pikitia nā Patsy Bowey.

Edition: Teachers' ed.

Publisher: Whanganui-a-Tara [N.Z.] : Te Rōpū Mahipukapukakura, Te Tari Mātauranga, 1986.

Description: Book

7 p. : chiefly col. ill. ; 18 cm.

Dewey: 499.4 19

ISBN: 0477041787 (pbk.)

LC Subject: [Maori language --Readers --Swine](#).

LC Children's Subject: [Maori language --Readers](#).

Done

Internet 100%

Start Novell-delivered Applic... Control Panel Quick View - Windo... Document1 - Microsoft... 5:46 p.m.

## SchoolsCat

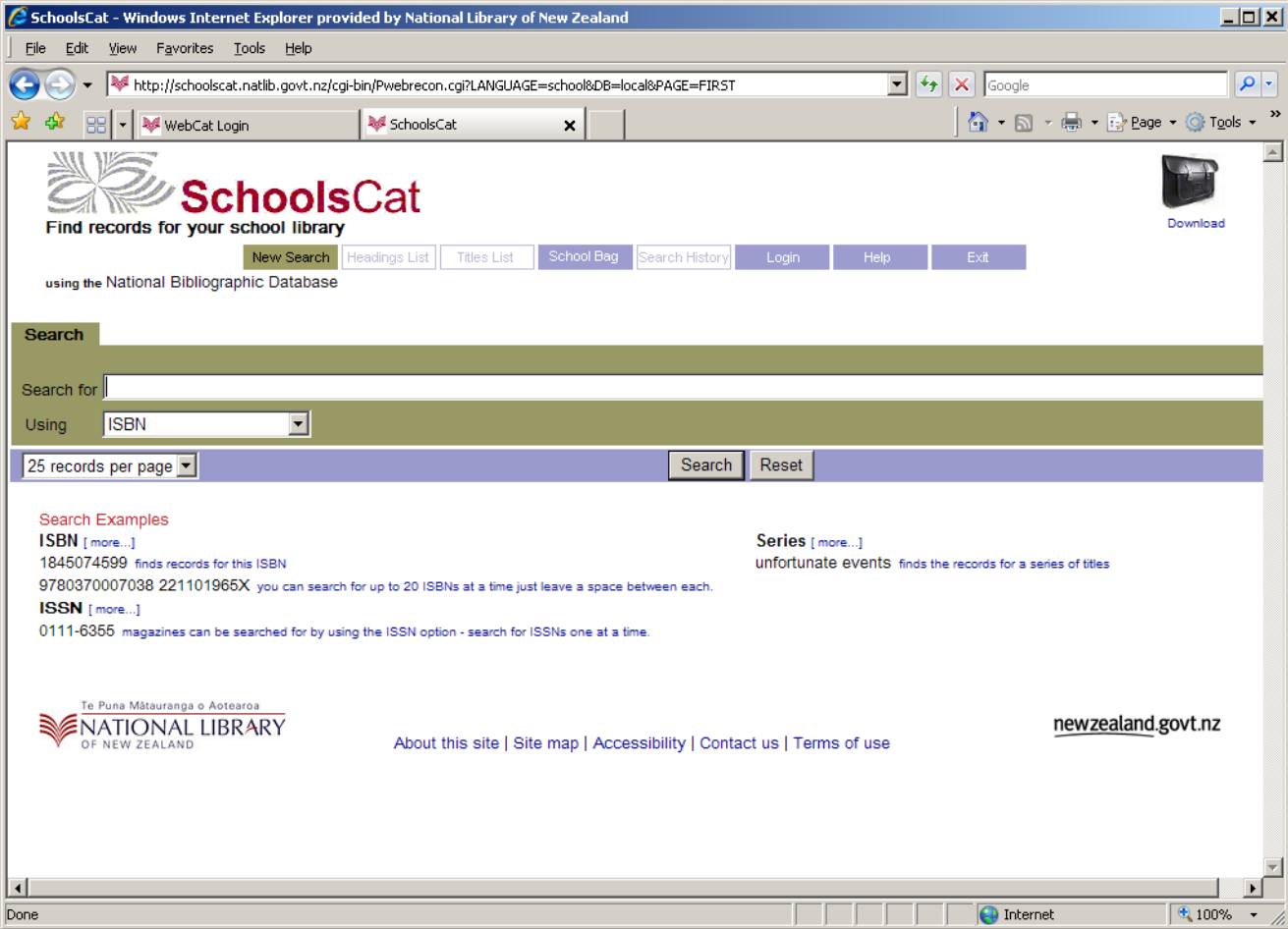
...A webvoyage interface designed for schools to download bibliographic records

...an exercise in turning stuff off

USING

- In two Voyager interfaces
- Killing functionality with `<!-- -->`

# SchoolsCat example





Index New Zealand

Display links to permanent url for the record  
and  
Dynamic link to the Libraries' catalogue...

USING

- HTML code in cfg files

# Index New Zealand

The screenshot shows a web browser window titled "Index New Zealand Quick View - Windows Internet Explorer provided by National Library of New Zealand". The address bar contains the URL: <http://innz.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?v1=2&ti=1,2&Search%5FArg=kunekune&Search%5FCode=GKEY%5E%2F>. The browser shows several tabs, including "Index New Zealand Quick View", "http://schoolscat.natlib.govt.nz", and "Novell WebAccess (Andrew ...)".

The main content area displays the "NATIONAL LIBRARY OF NEW ZEALAND TE PUNA MĀTAURANGA O AOTEAROA" logo. Below the logo, a breadcrumb trail reads: "You are here: Te Puna > Subscriber Services > Index New Zealand > Search".

Navigation buttons include "New Search", "Headings List", "Titles List", "Search History", "Help", and "Exit".

Connection information: "You are connected to Index New Zealand".  
Search Request: "Keyword Relevance = kunekune".  
Search Results: "Displaying 2 of 10 entries".

Navigation controls: "Previous" and "Next" buttons with arrows, and a "Quick View" button highlighted in yellow. Other view options are "Detailed View" and "MARC View".

Relevance: Three colored circles (blue, blue, grey) indicating relevance levels.

**Books for kids**

**By :** [Haworth, Dianne](#)

**In :** [Animals' voice](#), Spr 2008:p.72-73  
Journal Article

**Abstract :** Reviews a story of love and friendship with a kunekune pig and the extended version of the Paddy the Wanderer story.

**Genre:** [Book reviews](#)

**About :** [Pumpkin \(Simons, Gail\)](#)  
[Paddy the wanderer \(Haworth, Dianne\)](#)

**Url** of this record - <http://innz.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?BBID=560112>  
[Find library holdings for this journal](#)

The browser status bar at the bottom shows "Internet" and "100%" zoom level.

NLNZ Catalogue

Dynamic link from the catalogue to the item in the DPS  
Plus how the meta data is maintained and kept in sync

...

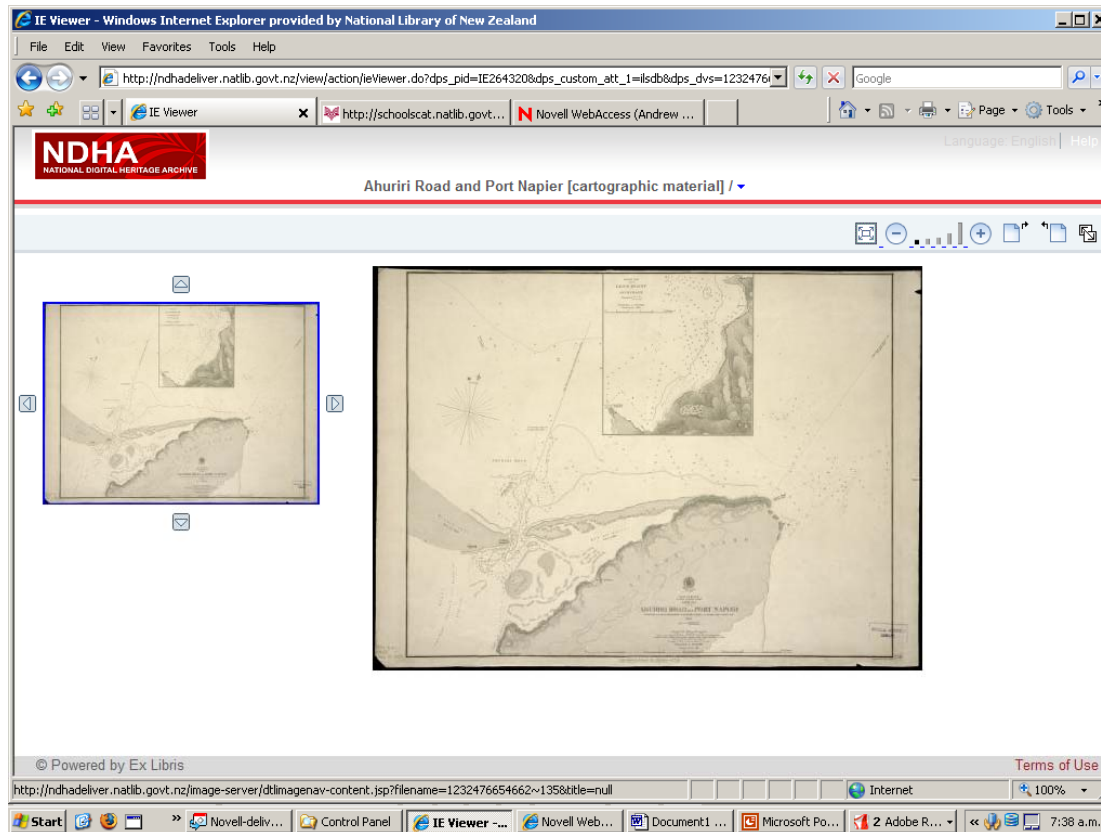
USING

- **sru/srw**
- **omi/pmh**

Link to DPS

The screenshot shows a Windows Internet Explorer browser window displaying the National Library of New Zealand Catalogue Quick Record View. The browser's address bar shows the URL: <http://nlncat.natlib.govt.nz/cgi-bin/Pwebrecon.cgi?v1=1&ti=1,1&Search%5FArg=napier&Search%5FCode=GKEY%5E%2F>. The page header includes the text "NATIONAL LIBRARY OF NEW ZEALAND TE PUNA MĀTAURANGA O AOTEAROA". Below the header, there are navigation links: "New Search", "Headings List", "Titles List", "Search History", "Login", "Request", "Help", and "Exit". A search request is displayed: "Search Request: Keyword Relevance = napier" and "Search Results: Displaying 1 of 321 entries". Navigation buttons for "Previous" and "Next" are visible. The record is shown in "Quick View" mode, with options for "Detailed View" and "MARC View". The record details include: "Relevance: 5 stars", "Title: Ahuriri Road and Port Napier [cartographic material] / surveyed by B. Drury, 1855.", "Author: Great Britain. Hydrographic Office.", "Publisher: London : Hydrographic Office of the Admiralty, 1857.", "Description: 1 map ; 49 x 61 cm. Scale 1:7,296.", "Subject: Nautical charts --New Zealand --Napier. Harbors --New Zealand --Napier --Maps. Napier (N.Z.) --Maps.", "Link to: Archived copy", "Location: Alexander Turnbull Library, Cartographic Collection", "Call Number: MapColl Digital Copy Available", and "Number of Items:". The browser's taskbar at the bottom shows the Start button and several open applications, including "Novell-delivere...", "Control Panel", "National Libra...", "Document1 - Mi...", "Microsoft Power...", and "2 Adobe Read...". The system clock shows 7:34 a.m.

Link to DPS



Not Solved Yet?

- Context sensitive language navigation
- Sensible search promotion

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