# Greenstone Publications Online@USP

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**Emalus Campus, Port Vila, Vanuatu**

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# Digitisation @USP Library (Laucala Campus)

- Began in 2001 (AusAid grant).  Aim to provide access by USP's distance students to rare Pacific materials, USP theses, materials that are in demand (e.g. Reserve, Exam papers), and digital resources through commercial online databases.

- Delays due to staffing, copyright and bandwidth problems

- Project gained momentum after problems overcome.

- Now an integral part of the Library operations, fully funded by USP. Two full time staff members who work within the Library Systems team:  professional Librarian and library assistant

- Policies and procedures were developed and put in place. Greenstone was selected as the platform to provide access to the digital collections

# What is Greenstone?

Greenstone Digital Library Software :  a suite of open-source software developed by the New Zealand Digital Library Project at the University of Waikato

- Two interactive interfaces:  the *Reader Interface* and the *Librarian Interface.*

- To access the information, Users use the *Reader Interface* which operates within a web-browser.

- Librarians use the *Librarian Interface,* a Java-based graphical user interface, to create and build the collections.

- Most document formats are supported:  pdf, rtf, html, plain text, zip, excel, ppt, gif, jif, jpeg, tiff, MP3 audio, mpeg, midi, etc. Plug-ins are available for special library formats such as MARC, CDS/ISIS, Pro-Cite, Dspace, etc.

# Why Greenstone?

- Easy to install and relatively easy to use

- No software cost and no licensing fees

- Library friendly searching and browsing features: users can do keyword, author, title, or subject searches; full-text is searchable with OCR

- Training co-sponsored by Unesco (2003, 2005, 2007); also FAO and WHO

- Very good support and service.  The developers were the trainers - we can go direct to them for assistance.  Based in NZ

- Very active international user group (more than 82 countries), including Pacific users such as SPC

# Other Positive Features

- Can be customized/personalised as per user needs (USP Library has only customized the look/brand)

- Can be distributed online or via portable media such as CDs and DVDs (e.g. *PADDLE* and *Directions*)

- Compatible with other library systems and can be linked to library catalogues

- Allows multiple collections, both large and small

- Has a multi-lingual interface:  the Librarian Interface offers 4 languages and the *Reader Interface* 35

- Has good security features;  produces reports, etc.

# Technical Details of Greenstone

- Offered under the GNU General Public Licence and can be downloaded from the Greenstone website http://www.greenstone.org/ or from a CD-Rom distributed by Unesco.

- Runs on all versions of Windows, Unix/Linux and Mac OS-X. USP Library uses the Windows version which is very easy to install.

- No configuration is required for the default Windows configuration but if configuration is required, the Greenstone website provides documentation at http://www.nzdl.org

- Works with standard server software (e.g. Apache)

- Supports OAI-PMH (Open Archive Initiative Protocol for Metadata Harvesting) and METS (Metadata Encoding Standard)

# Some Difficulties

- Maintaining the source code can be complex and requires advanced computing and programming skills

- Support at this level is scarce

- Issues arise if Windows drivers and files are missing

# Work Process@USPLibrary

- Select the document as per TORs and if necessary, clear copyright

- Scan the document using Adobe Acrobat Professional Resolution; Edit (clean, correct, etc.) and Save

- OCR the document using ABBYY Fine Reader Professional. This process allows the full-text of a document to be searched and retrieved.

- Create Greenstone Collection through the "Librarian Interface": Design the collection, Create the Metadata, Create the search indexes, Set up and add browsing classifiers, etc.

- Publish the collection online or on portable media (CD, DVD, etc.)

# Digital Collections@USPL

Greenstone collections at http://www.usp.ac.fj/library:

- *USP Theses* (232 theses - 77,488 pages scanned and OCR'ed)
- *Fiji Parliamentary Papers*, 1970- (more than 2,600 documents)
- *PIMRIS Regional Repository* (371 documents) – Greenstone databases are also being developed with partners (e.g. Ministries of Fisheries) under the ODIN-PIMRIS project sponsored by the IODE (IOC Oceanographic Data Exchange).  Training by USPL.

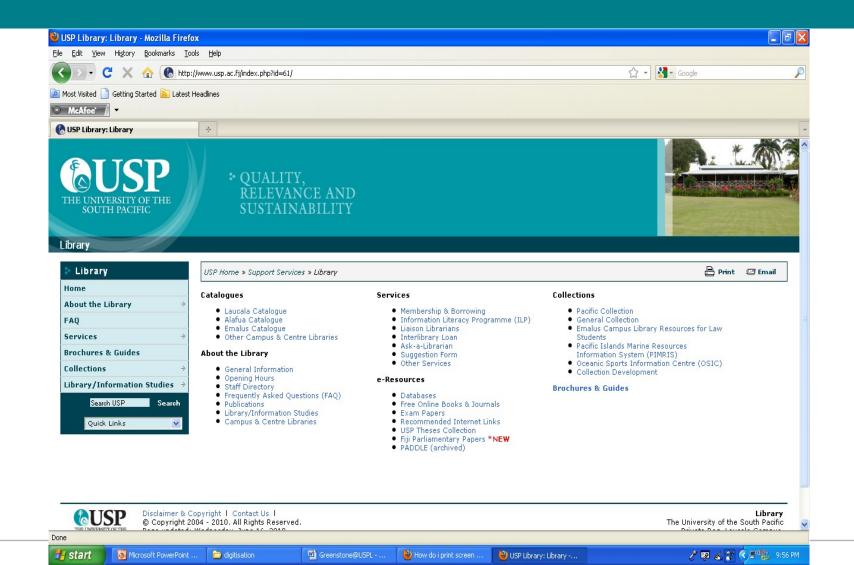Digital collection available through online library catalogue
- *USP Exam Papers*:  5633 papers (34,340 pages) scanned

In-Progress:
- *Government Documents (Pacific):*  2991 documents (135,616 pages) scanned
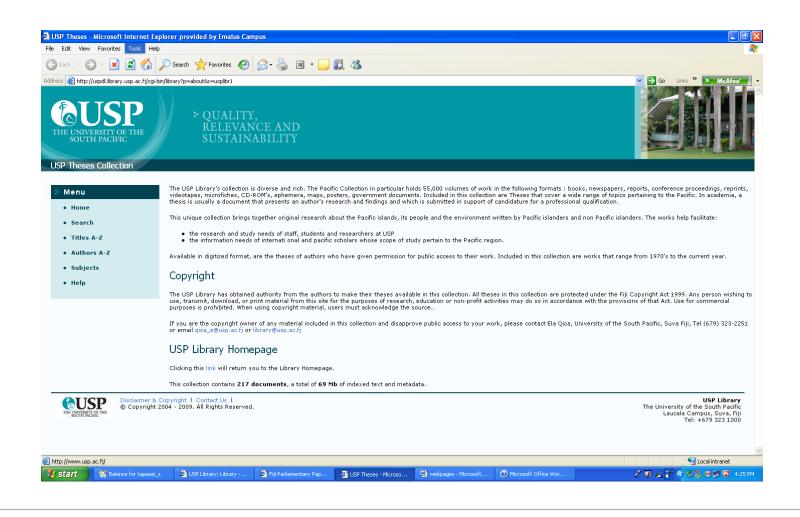- *Pacific Photographs*:  420 images with text
- Miscellaneous: 1642 documents
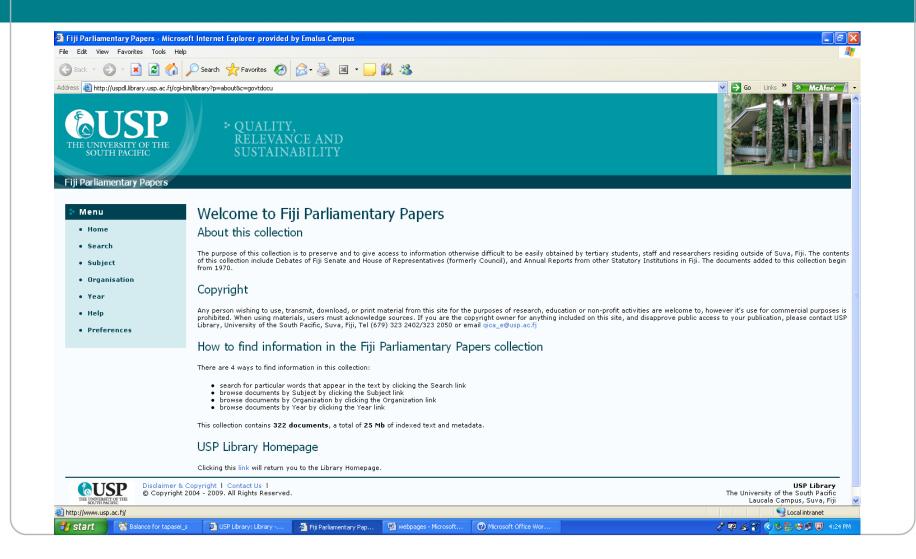
# http://www.usp.ac.fj/library
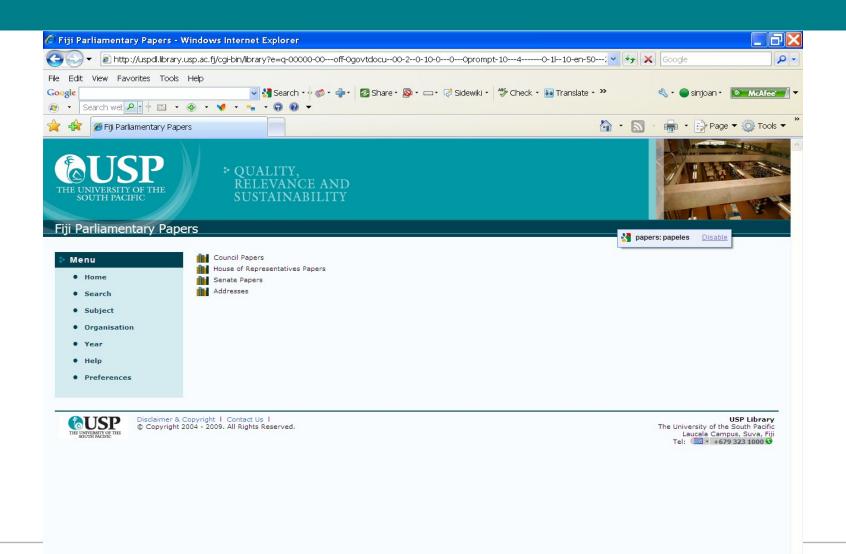
# USP Theses Collection
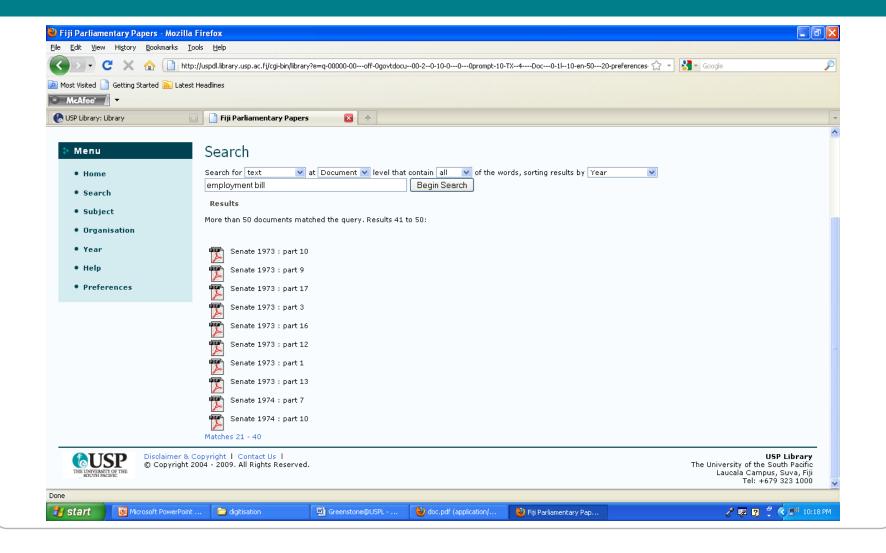
# Fiji Parliamentary Papers, 1970-
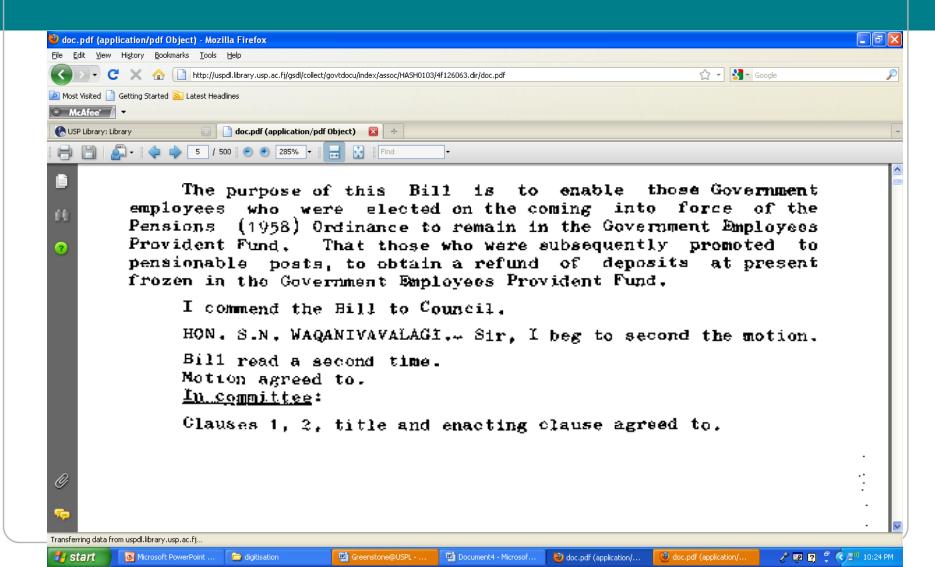
# Fiji Parliamentary Papers, 1970-   cont'd

# Fiji Parliamentary Papers 1970- Cont'd

# Fiji Parliamentary Papers 1970- Cont'd



The purpose of this Bill is to enable those Government employees who were elected on the coming into force of the Pensions (1958) Ordinance to remain in the Government Employees Provident Fund. That those who were subsequently promoted to pensionable posts, to obtain a refund of deposits at present frozen in the Government Employees Provident Fund.

I commend the Bill to Council.

HON. S.N. WAQANIVAVALAGI.— Sir, I beg to second the motion.

Bill read a second time.
Motion agreed to.
In committee:

Clauses 1, 2, title and enacting clause agreed to.
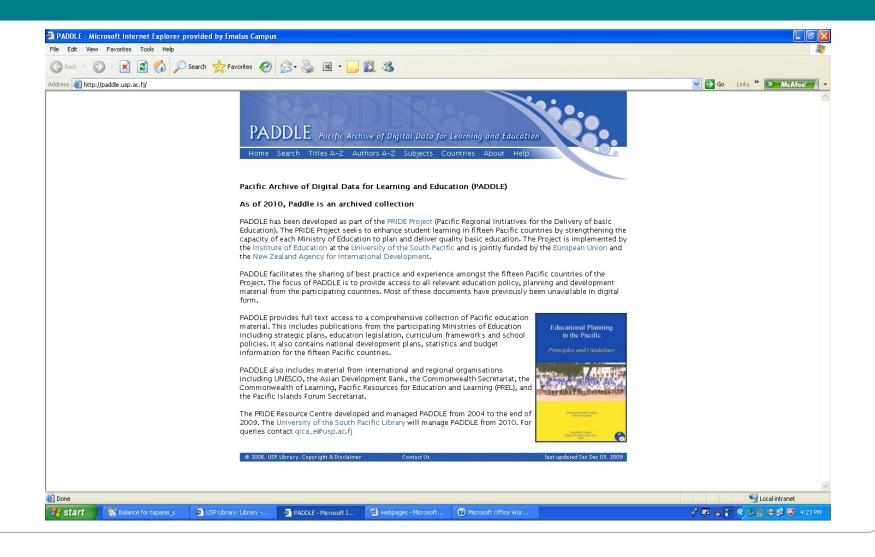
# PRDE Collections

PRIDE (Pacific Regional Initiatives for the Delivery of Basic Education):
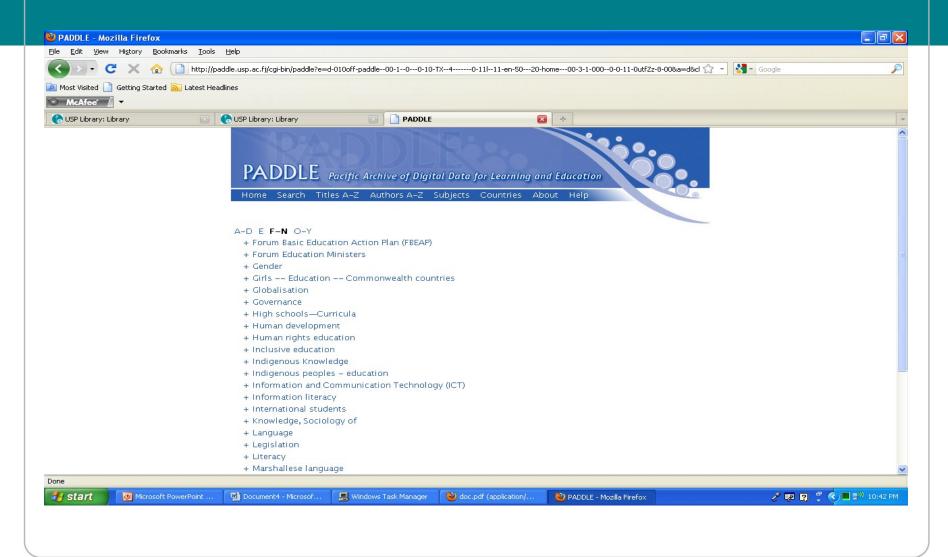
- PADDLE (Pacific Archive of Digital Data for Learning and Education)

- Directions: Journal of Educational Studies 1978-2008

# PADDLE

# PADDLE CONT'D

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**CHAPTER 3.**

**EDUCATION ACT**

**ARRANGEMENT OF SECTIONS**

Section
**PART I - PRELIMINARY**
§301. Short Title.
§302. Policy.
§303. Interpretation.

**PART II- DEPARTMENT OF EDUCATION**
§304. Department of Education Established.
§305. Minister and Secretary of Education;
   Duties and Functions.
§306. Staff.

**PART III- NATIONAL AND LOCAL BOARDS OF EDUCATION.**
§307. National Board of Education.
§308. Membership; Terms; Vacancies;
   Compensation.

Section
§324. Secondary Education.
§325. Student Conduct.

**Division 4 - Student Health and Supplementary Services**
§326. Student Health and Safety.
§327. School Transportation.
§328. Residence Assistance.
§329. Nutrition.
§330. School Meal Program.

**Division 5 - Teacher Certification**
§331. Teacher's Certificates required.
§332. Revocation.
§333. Penalty for Teaching without Certification.
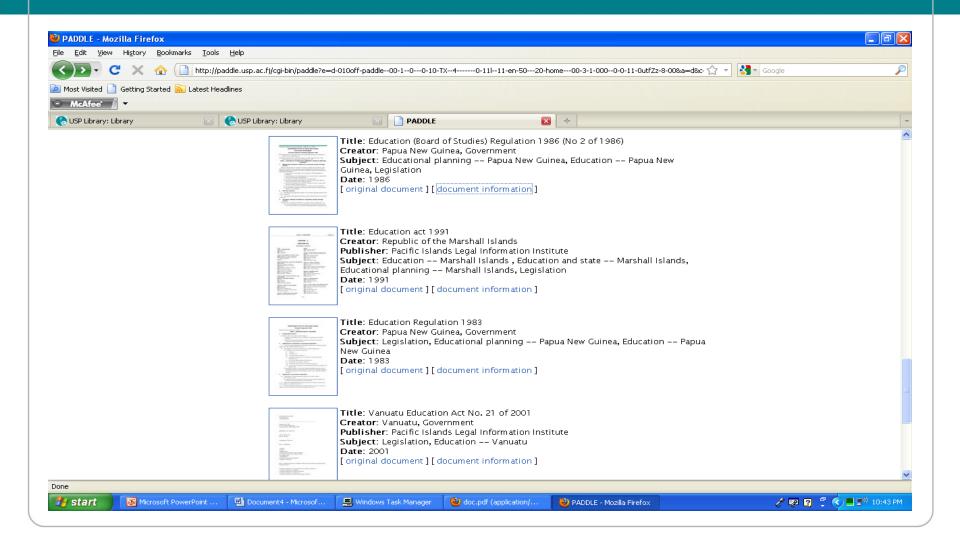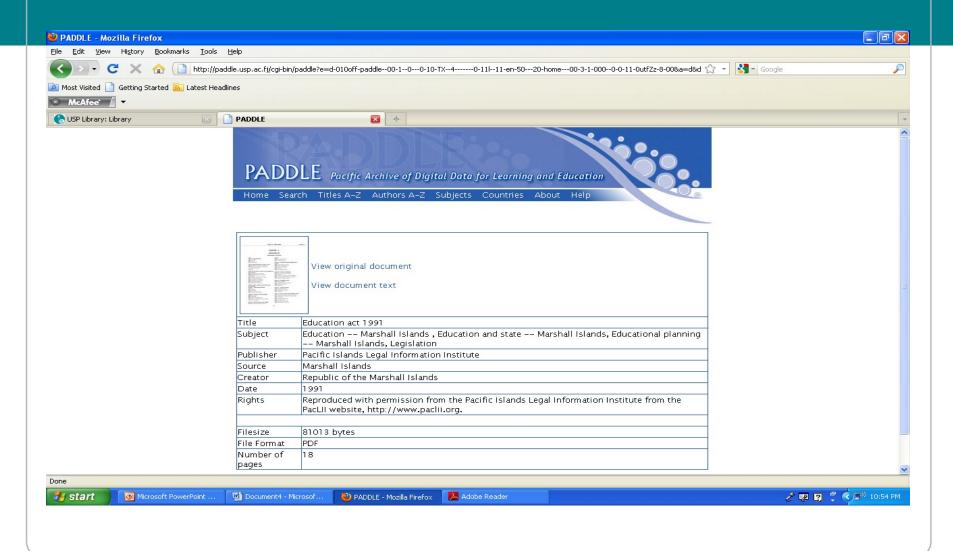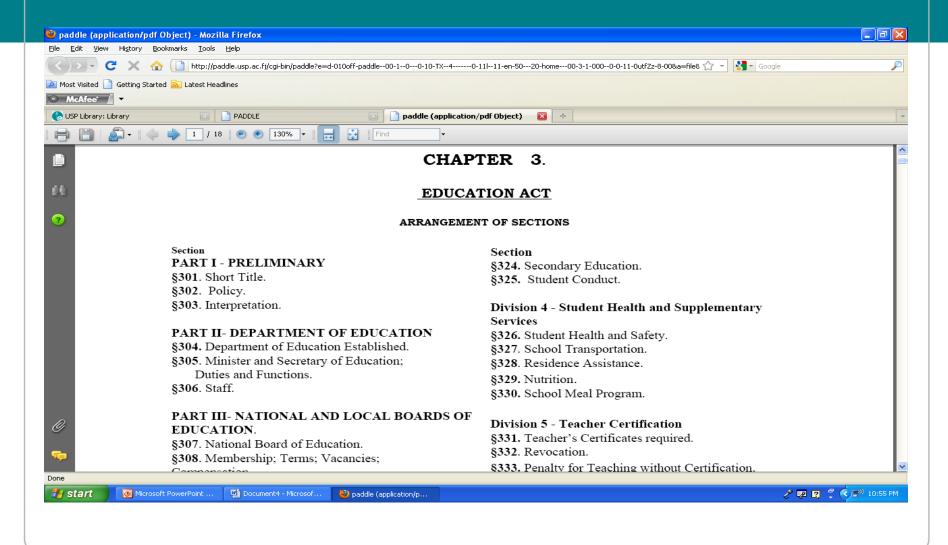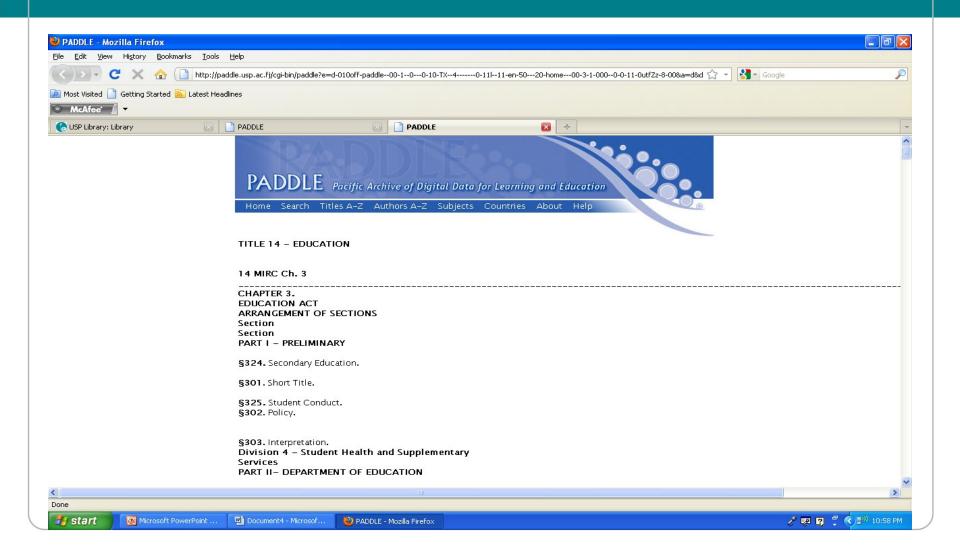
# PADDLE CONT'D

# Conclusion

- USP Library is satisfied with Greenstone as the platform for our online digital collections.  We are using the standard configuration and have found it relatively easy to use to provide access to our digital collections.

- However,  the IODE has suggested that we migrate the *PIMRIS E-Repository* to D-Space (developed by Hewlett-Packard as a non-commercial package in conjunction with MIT Libraries).  IODE has expert support for DSpace.

  Migration between Greenstone & D-Space (either way) can be done smoothly through a "bridge" called StoneD.

- *USP Research e-repository*: USP Research Office has decided to use EPrints, another open-source software developed by the School of Electronics and Computer Science, University of Southampton.

# Thank You