

Australian Newspapers Digitisation Program

Development of the Newspapers Content Management System

Rose Holley – ANDP Manager ANPlan/ANDP Workshop, 28 November 2008



Requirements

- Manage, store and organise millions of digital newspaper pages behind the scenes.
- Manage the entire digitisation workflow from scanning to public delivery.



How?

- Current NLA Digital Content
 Management System cannot cope with volume of digital newspapers or complex structure of newspapers
- No 'off the shelf' product available that meets requirements
- Need the system now (March 2007)



Solution

- NLA team to develop a software solution
- Ensure the system uses open source software
- System to be standalone and not bolted into other systems
- Possibility of sharing system in future/providing as open source to other libraries



Software Development

- Agile method of development used
- Modules designed in stages as required
- Stage 1 Receipt and checking of scanned images
- Stage 2 Quality Assurance Modules
- Stage 3 Sending/receiving items from OCR
- Stage 4 System Administration and Statistics
- Stage 5 Interface Design and Usability of System



Progress

- Software development March 2007 June 2008
- First module in use May 2007
- CMS in use for 18 months
- CMS in final stages of completion (Jan June 2009)
- Further development required to enable acceptance of contributors content
- Simple user interface yet to be designed

Australian Newspapers Digitisation Program System Architecture - August 2008

Public users – Australian Newspapers Beta HTTP Storage SOA HTTP (Other Search & Delivery System System ++ Services e.g. PA) Online Public: JPG's: access Lucene PDF's: access Search HTTP Search Index XML: access My SQL Relational Dbase index ++ Update User \rightarrow Title Reel rsync Mgt System Issue Batch Offline: + Page Tape Lucene Derivative Master tiffs Article Search Generation HTTP Index copy **←** Working **Content Management System** Space: JPG's: QA Digital OCR Quality Tiff's: QA Image Assurance Ingest Ingest XML: QA Tape FTP HTTP robot OCR input Library Digitisation Staff Input



Australian Newspapers CMS

Screenshots of system follow and explanation of workflows.



Workflow Summary

- Preparing for Digitisation
- Creation of digital images
- Adding metadata and Quality Assurance
- Optical Character Recognition
- Quality Assurance
- Statistics and Admin



Preparing for Digitisation

- Identify title to be digitised
- Source master microfilm from owner
- Send master microfilm to scanning contractors
- Add title to Content Management System



CMS - Add Title

Name	The Sydney Gazette and New South Wales Advertiser
ISSN	18336310
Note	
Wiki Link	http://en.wikipedia.org/wiki/Sydney_Gazette
Search match regexp Java regexp	(?:\b(?:the <u>sydney</u> gazette and new south <u>wales</u> advertiser) (?:the <u>sydney</u> gazette) (?: <u>sydney</u> gazette) (?:gazette)\b)
State	ACT New South Wales Northern Territory Queensland South Australia Tasmania Victoria Western Australia
Update	11



Microfilm converted to digital images







Image Reception

- Images received from scanning contractor on LTO2 Tape
- Tapes added to tape robot and extracted
- Reels automatically added to Content Management System
- Reel details are checked
- Images ingested into Content Management System



CMS - Check Reel Details

Reel Details								
Save	Save							
Microfilm reel details								
Title	The Mercury							
Reel No	124							
Dates of coverage	From 1925-10-01 To 1925-12-31							
Filmed by	W & F Pascoe Pty Ltd							
Filmed for	W & F Pascoe Pty Ltd							
Filmed year	1975							
Reduction ratio	18							
Scanning details								
Scanned by	W & F Pascoe Pty Ltd							
Scanned date	2008-10-27							
Checked by	Michael							
Assigned file number range	From 116986 To 117945							
Software used	nextStar v1.02							



CMS - Ingest Reels

2165 The Mercury	117	1004 01 01 1004 00 01 110004	111970 Edit	Ingest
2165 The Mercury	117	1924-01-01 1924-03-31 110294	111270 <u>Edit</u>	Ingest complete
2161 The Mercury	118	1924-04-01 1924-06-30 111271	112200 <u>Edit</u>	Ingest complete
2162 The Mercury	119	1924-07-01 1924-09-30 112201	113271 <u>Edit</u>	Ingest complete
2163 The Mercury	120	1924-10-01 1924-12-31 113272	114271 <u>Edit</u>	Ingest complete
2167 The Mercury	121	1925-01-01 1925-03-31 114272	115173 <u>Edit</u>	Ingest complete
2168 The Mercury	122	1925-04-01 1925-06-30 115174	116079 <u>Edit</u>	Ingest complete
1978 The Mercury	123	1925-07-01 1925-09-30 116080	116985 <u>Edit</u>	Defined <u>Ingest</u>
1979 The Mercury	124	1925-10-01 1925-12-31 116986	117945 <u>Edit</u>	Defined <u>Ingest</u>
2166 The Mercury	125	1926-01-01 1926-03-31 117946	118843 <u>Edit</u>	Ingest complete
2172 The Mercury	126	1926-04-01 1926-06-30 118844	119769 <u>Edit</u>	Ingest complete
2173 The Mercury	127	1926-07-01 1926-09-30 119770	120741 <u>Edit</u>	Ingest complete
2169 The Mercury	128	1926-10-01 1926-12-31 120742	121717 <u>Edit</u>	Ingest complete



CMS - Tasks 1 and 2

- Task 1 Add metadata (dates and page numbers)
- Supervisor reviews marked pages
- Task 2 Define batches
- Task 2 Resolve duplicates
- Task 2 Create missing page targets



Identify title to be worked on

NDP Titles			<u>Titles</u>	Reels	Batches	QAPhase3	<u>Projects</u>
Name	ISSN	Reel	s Batche	s			
The Advertiser (1889)	18356753	<u>101</u>	<u>32</u>	Edit			
The Argus	18339719	<u>514</u>	<u>198</u>	Edit			
The Brisbane Courier	18335551	<u>263</u>	98	Edit			
The Canberra Times	01576925	<u>57</u>	<u>19</u>	Edit			
Colonial Times	18354734	14	<u>5</u>	Edit			
Colonial Times and Tasmanian Advertiser	18354718	<u>1</u>	<u>1</u>	Edit			
The Courier (Brisbane, Qld.)	18335578	<u>5</u>	2	Edit			
The Courier (Hobart, Tas.)	18354769	<u>13</u>	<u>5</u>	Edit			
The Courier-Mail	13225235	<u>5</u>	<u>3</u>	Edit			
The Hobart Town Courier	18354742	<u>5</u>	<u>1</u>	Edit			
The Hobart Town Courier and Van Diemen's Land Gazette	18354750	1	<u>1</u>	Edit			
Hobart Town Daily Mercury	18356729	<u>3</u>	<u>2</u>	Edit			
Hobart Town Gazette	18354777	<u>3</u>	1	Edit			
The Hobert Town Gazette and Southern Reporter	18340046	2	61 2 6	Edit			



Identify reel

NDP Reel QA Summary

<u>Titles Reels Batches QAPhase3 Projects 2</u>

QA statistics by Reel for a single title

Title	Reel Name	Start Date [sort]	End Date	Start Seq	End Seq	Page Count	QA'ed	Scanning Last Activity Problems
The Mercury	<u>251</u>	1952-09-01	1952-10-31	248550	249747	1198	0 (0%)	null
[Batches]	<u>252</u>	1952-11-01	1952-12-31	249748	250919	1172	0 (0%)	null
	<u>253</u>	1953-01-01	1953-02-28	250920	251975	1056	0 (0%)	null
	<u>254</u>	1953-03-02	1953-04-30	251976	253183	1208	0 (0%)	null
	<u>255</u>	1953-05-01	1953-06-30	253184	254447	1264	0 (0%)	null
	<u>256</u>	1953-07-01	1953-08-31	254448	255695	1248	0 (0%)	null
	<u>257</u>	1953-09-01	1953-10-31	255696	257078	1383	0 (0%)	null
	<u>258</u>	1953-11-02	1953-10-31	257079	258385	1307	0 (0%)	null
	<u>259</u>	1954-01-01	1954-02-27	258386	259642	1257	0 (0%)	null
	<u>260</u>	1954-03-01	1954-04-30	259643	261034	1392	0 (0%)	null
	<u>261</u>	1954-05-01	1954-06-30	261035	262444	1410	0 (0%)	null
	<u>262</u>	1954-07-01	1954-08-31	262445	263877	1433	0 (0%)	null
	<u>263</u>	1954-09-01	1954-09-30	263878	264647	770	0 (0%)	null
	<u>264</u>	1954-10-01	1954-10-30	264648	265464	817	0 (0%)	null
	<u> 265</u>	1954-11-01	1954-11-30	265465	266240	776	0 (0%)	null
	<u>266</u>	1954-12-01	1954-12-31	266241	267024	784	0 (0%)	null
	DO NOT PROCESS	1937-01-01	1937-02-27	165338	166169	832	107 (12%)	2008-12-03 17:21:11
	<u>5</u>	1860-07-02	1860-12-31	1	558	560	560 (100%)	2008-03-06 10:27:18
	<u>6</u>	1861-01-01	1861-12-31	559	1846	1290	1290 (100%)	2008-03-06 10:36:46
	6 7 8 9	1862-01-01	1862-12-31	1847	3536	1705	1705 (100%)	2008-03-06 11:12:31
	<u>8</u>	1863-01-01	1863-12-31	3537	4802	1266	1266 (100%)	2008-03-06 11:01:05
	<u>9</u>	1864-01-01	1864-12-31	4803	6064	1262	1262 (100%)	2008-03-07 10:40:41
	10	1865-01-04	1865-12-30	6065	7319	1255	1255 (100%)	2008-03-07 11:13:44
		1866-01-01	1866-12-31	7320	8559	1242	1242 (100%)	2008-03-07 14:20:04
	<u>12</u>	1867-01-01	1867-12-31	8560	9825	1268	1268 (100%)	2008-03-07 14:00:51



CMS - Adding Metadata

Date and Page Sequence number added

NDP QA v0.2 File seq 126645, la batch	ld 1798365 The Mercury Reel: 1	34 1928-04-02 - 1928-06	-30 Not in <u>Titles List Reel Batches Review</u>
Date 00 00 0000	Page seq 0 Save	Edition seq	
Notes	Section seq Suppleme		Microfilm target: Suppress: not suppressed • Pour Guality: Review: •
H'S ated NA Medicated NA EXONA	Th	e Mer	CUTU. "APRIL 1828 "

THE NEW TRIANGULAR STICK

FURNITURE

JUST OPENED

NEW SHIPMENTS OF SHADOW TISSUES DIRECT PROM THE MANUFAC-

COOGAN'S. SEE THE BEAUTIPUL NEW DE-

IN MEMORIAM.

Vol., CXXVIII. No. 18,847

Though death divides, fond memory ellegs.

Insurted by her loving stater, Mrs. W. Wood, Tolesa Street, Glenorchy.

VINCHNT.—In sad but loving memory of Milits Charence, who passed away April 2, 1922.

A tender chord of memory
Is softly touched to-day:
Loving thoughts of you, dear Millist,
Will never fade away. Interted by his loving father, mother sters, and brother-in-law.

Satisfa remembrance of 'my beloved any son, Millist Circuce, who was called to a higher life April 2, 1922.

STONEY TO AUCKLAN VINCENT In affectionals and ever

SHIPPING

IUNDAY—Is food and loving remem-brance of my dear sister, Charlotte Manday, who departed this life on April I, 1913.

HOBARY TO MELBOURNE. Kowhal-Thursday, April 12.

HOBART TO STRAMAN. Kahariki-Early. HOBART AND HUON PORTS TO SYDNEY AND NEWCASTLE.

Kiwitsa-Wednesday, April 4, from Hobart; Thursday April 6, from

HOBART AND HUON PORTS TO Ngakuta-Tuesday, April 10, from Ho-bart and Huon Perts. MELEGURNE TO WELLINGTON, EYTTELTON, DUNEDIN, AND

5.30 a.s., of Alexandra S. B. Dover, Mon., 18 a.m.; Well, Pri., 5.15 a.m.; Sail, 5 a.m. 25.; Well, Pri., 5.15 a.m.; Sail, 5 a.m. 25.; Sail, 5 a.m.; Sail, 16 a.m.; Farandra S. Birone, Thur, 15 p.m.; Sail, 5 a.m.; Sail, 16 a.m.; Farandra S. Sail, 5 a.m.; Sail, 5 a.m.; Farandra S. Sail, 5 a.m.; S Dover, Yern, Thurn, Sec-STONEY TO AUCKLAND.

EXCURSIONS

SITUATIONS VACANT

A Apply 10 n.m. Heathern's biotel.

HOBART: MONDAY, APRIL 2, 1928

COUK-GENERAL to relieve for a fortnight, two adults; good wages, rets. Mrs. W. Coogan, 3 Luce St., Sandy Bay.

WANTED, General. Sandy Bay.

WANTED, Good, Clean Girl, so wash-ing, cooking. 167 Callins Street.

WANTED, Experienced Cook for Guest House, 441 Mercury, WANTED, Experienced Freemasons' Hotel.

WANTED, Housemaid, sleep home; refs. Alexandra Hotel. WANTED, Women, built day's cleaning.

RITUATIONS WANTED

Registered at General Post Office, Hebert. 12 PAGES—PRICE 1

STEADY Man wanted as useful. GARDENER is available for "york ro- L'OR SALE, Burn's 'Mart, Too quiring skill, taste, etc. 421 Mere.

GIRL, 16, wants Position in Office or Shop, orgent. 347 Mercury.

kind, cheap. Apply 414 Mercury.

WANTED, Washing to do in own home. Apply 423 Mercury.

OUNG Our would like children to New Yown. mipé, mornings or afternoons, 43t

WELL-EDUCATED Young Lady dostres position as Showroom Assist-ant, Excellent oredentials, 392 Mercery.

MISCELLANEOU+ WANT:

FOR SALE.

Carpenter's Tools and Sundrie

POR SALE, Prime Hay Chail. a Bantick, Livingain, Berriedah WANTED, Plumbing Repairs, any 1708 SALE, Plane, John Brims

and done, spright grand, got now, cheap. Findings. NOR SALE, Single S.L. Gun (Ster

also Rifle, cheap. 2 Cross S

POR SALE, Pione, Bud. Steins German, Iron frame, splendid detap.

LOB : OR SALE-To Butcheva: Grindstones on Sale, Burn's

[OR SALE, Resards Plane, spl



Supervisor Review

Supervisor reviews pages marked for attention Edit 4 43

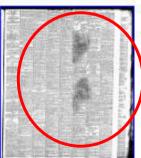
NDP Page Review

Pages awaiting review



The Argus, 1898-05-18, Page 4 Note: Bloch Mark -AW Updated: 2007-08-27 14:37:35.0





The Argus, 1898-05-28, Page 15 Note: Image Bloched -AW Updated: 2007-08-27 14:39:14.0

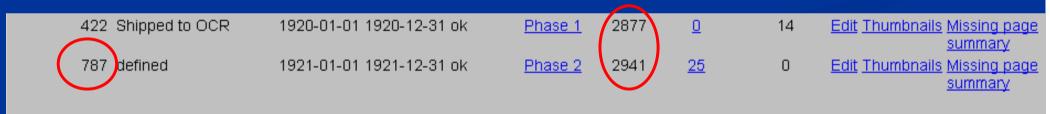


The Argus, 1898-05-30, Page 2 Note: Image Bloched -AW Updated: 2007-08-27 14:39:16.0

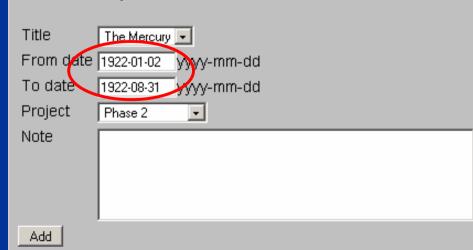


CMS - Define Batches

- Batches defined by date
- Each batch contains 2-3000 images
- Batches are automatically assigned a number



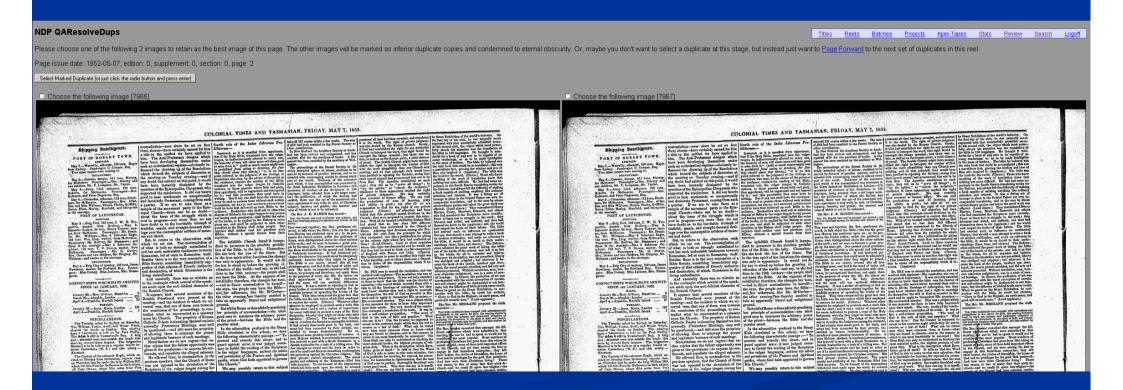
Add a new QA Batch





CMS - Resolve Duplicates

Duplicate pages compared and the best copy is selected





Missing Pages

Missing page targets are generated









NLA generated Missing page target

NLA generated Missir page target

Issue: 1920-09-07 15 pages add missing page



Notes: Filmed with background page visible SELECTED DUPLICATE

Notes: Entire issue filmed with background page visible DISCARDED DUPLICATE WILL BE SUPPRESSED

[238419] <u>Edit</u>





Optical Character Recognition (OCR)

- Complete batches are added to a tape
- Tapes are generated and written
- Tapes sent to OCR contractor
- Contractor completes OCR processes
- OCR data (not images) is returned via FTP



CMS - Tapes Created

Completed batches added to a tape

```
Note:
                         Tape 10 - November 2008
                        ld: 733, Project: Phase 2; The Brisbane Courier, 1926-01-01 - 1926-04-30, 2146 pages 🖂 Remove batch from this tape
Existing batch
                        ld: 734, Project: Phase 2; The Brisbane Courier, 1926-05-01 - 1926-08-31, 2338 pages 🖂 Remove batch from this tape
Existing batch
                        ld: 735, Project: Phase 2; The Brisbane Courier, 1926-09-01 - 1926-12-31, 2467 pages 🖂 Remove batch from this tape
Existing batch
                        ld: 736, Project: Phase 2; The Brisbane Courier, 1927-01-01 - 1927-04-30, 2519 pages 🔲 Remove batch from this tape
Existing batch
                        ld: 737, Project: Phase 2; The Brisbane Courier, 1927-05-02 - 1927-08-31, 2743 pages 🔲 Remove batch from this tape
Existing batch
                        ld: 738, Project: Phase 2; The Brisbane Courier, 1927-09-01 - 1927-12-31, 2728 pages 🔲 Remove batch from this tape
Existing batch
                        ld: 739, Project: Phase 2; The Brisbane Courier, 1928-01-02 - 1928-04-30, 2585 pages 🔲 Remove batch from this tape
Existing batch
                        ld: 740, Project: Phase 2; The Brisbane Courier, 1928-05-01 - 1928-08-31, 2746 pages 🖂 Remove batch from this tape
Existing batch
Select batches to add Id: 741, Project: Phase 2; The Brisbane Courier, 1928-09-01 - 1928-12-31, 2617 pages
                         ld: 742, Project: Phase 2; The Brisbane Courier, 1929-01-01 - 1929-04-30, 2531 pages
                         Id: 743, Project: Phase 2; The Brisbane Courier, 1929-05-01 - 1929-08-31, 2842 pages
                         Id: 744, Project: Phase 2; The Brisbane Courier, 1929-09-02 - 1929-12-31, 2771 pages
                         ld: 745, Project: Phase 2; The Brisbane Courier, 1930-01-01 - 1930-04-30, 2541 pages
                         Id: 746, Project: Phase 2: The Brisbane Courier, 1930-05-01 - 1930-08-30, 2664 pages
                         ld: 747, Project: Phase 2; The Brisbane Courier, 1930-09-01 - 1930-12-31, 2361 pages
                         ld: 748, Project: Phase 2; The Brisbane Courier, 1931-01-01 - 1931-04-30, 2031 pages
                         Id: 749, Project: Phase 2; The Brisbane Courier, 1931-05-01 - 1931-08-31, 2158 pages
                         Id: 750, Project: Phase 2; The Brisbane Courier, 1931-09-01 - 1931-12-31, 2167 pages 🔻
 Update
```



Optical Character Recognition (OCR) of pages and article zoning



HUNTER RIVER GENERAL ADVERTISER.

Vol. II.

SATURDAY, JANUARY 20, 1844.

No. 55.

JOB AND BOOK PRINTING

N extensive addition having been just made to the PLAIN and FANCY JOBBING

"MATTLAND MERCURY" GENERAL PRINTING OFFICE.

Parties requiring Posting or Hand Bills, Books, Pamphiets, Catalogues, Leases, Title Deeds, Circulers, Cards, Bill-heads, Cheques, plain or colored Labels, Baker's Bills, Impounding, Law and other Forms, &c. &c. can have them executed n a superior manner, with great despatch, and at reasonable prices.



For London direct, to follow the "Cuba." HE fine brig "GANNET,"

A 1, 322 Tous, under engagement with the Australian
Agricultural Company, will be ready to receive Wool on or about

the 21st January, 1844, and will meet with immediate despatch, as she will have all her dead weight on bourd on arrival. For freight o passage apply to

F. EBSWORTH, A. A. Company's Agent, Bligh-street, or to J. B. METCALFE, Lower George-street, Sydney

GENERAL MEETING of the SHADE HOLDERS in the HUNTER RIVER AUCTION COMPANY will be held at the Offices of Mr. John Turner, Solicitor, East Maitland, on THURSDAY, February 1st, 1844, at Noon, for the purpose of winding up the affairs of the said Company.

To Printers.

UST RECEIVED, ex Hamlet, and on sale by the undersigned-

News Double Double Crown PRINTING PA-PER, 42 inches by 29, weight per ream 56 lb. News Double Crown ditto, 29 inches by 21, weight 28 lb. Double Crown, 20 lb.

Double Crown, colored (yellow, lilac, and pale

Demy, 17 lb. Demy, 14 lb. Demy, coloured (yellow, green, light blue, pink, and like)

Third-large Cards.

Folio Post, middle vellow wove, 16 lb. Folio Post, thin yellow wove, 13 lb. Small (or common size) Cards Medium (or town size) Cards

O LET, NAPOLEON COTTAGE, L James's-street, West Maitland, late in the occupation of Mr. D. Patterson. The cot-tage contains dining room, parlour, large hall, and two large bed rooms, with detacled kitchen, and two large sed rooms, with detabled kitchen, servants' room, and laundry. A good yard, stable, and a never-failing well of pure water. Rent moderate. Enquire of Mr. J. Connor, ainter, High-street. January 12th, 1844.

Anlaby's Stores, Morpeth.

OHN ANLABY begs respectfully to inform OHN ANLABY begs respectfully to inform parties requiring such accommodation, that he is desirous of Letting his Two large STONE STORES and WHARF adjoining the Marpeth Hotel, for the pupose of a SLAUGHTERING or BOLLING-DOWN ESTABLISHMENT. MENT. The eligibility of the premises, to those acquainted with them, need not be dwelt upon. They will be found replete with every accommodation, and the terms will be moderate.

Wool, Grain, Tallow, and other produce,

stored as usual. Morpeth Hotel, January 10, 1844.

Seap and Candle Works, West Maitland. ILLIAM SKINNER having succeeded Mr. A. Dodds, as Soap and Candle Manufacturer, respectfully informs the inhobitants of Matitand and the Hauter district generally, that he is prepared to send out a superior article in either branch of his basiness, either for cash or by harter for tallow.

Soop and Candle Works, West Maitland,

Muswellbrook Steam Mills.

ECRGE CHIVERS begs to intimate that he has Reduced his charges for Grinding and Dressing Wheat to it. per bushel. No Credit whatever will be given, but Wheat, Wool, or Sheepskins will be taken in payment of

Reduction in the Price of Grinding Wheel and Maize.

OHN PORTUS begs most respectfully to acquaint the public that he has reduced his charge for grinding 25 per cent. for some months back, to those who have regularly paid

their accounts. their accounts.
His charge for Grinding and Dressing Wheat
is now 9d, per bushel, and for Separating and
Smutting 8d., in quantities not less than three
bushels; for small lots a triffe more will be

charged for extra trouble.

Maize Cracked, 6d. per bushel; Twice Ground

Classical and Mercantile Academy, Mayo's Buildings, East Maitland.

R. JAMES S. WHITE, late Teacher of the Philosophical, Classical, and Mer-cantile department in the Australian College, cantile department in the Australian Collège, Sydney, begs to intimate to the inhabitants of Mattland and its vicinity that he Opened the above Academy on Monday, the 8th of January, 1844. Having bal ample opportunities, during a course of several years experience as a public teacher and private tutor, of observing the excellent effect of the tleket system, in the excessent effect of the ticket system, in securing close and unremitting attention to study during the sweete course of the year, Mr. White purposes introducing it. In conducting the above establishment Mr. White pledges himself that the utmost attention shall be paid to the improvement and correct moral discipling of the

improvement and correct moral chainpane or the pupils who may be entrusted to his care.

Most satisfactory references can be procured from the Rev. Mr. M'Intyre, A.M., West Main-land, from his brethren of the Synd of Anstra-lia, and from several of the leading men of

Reading, Grammars, Geography, with use of the Globes, History, English Composition, Writing, Arithmetic, Book-keeping, Latin, Greak, Mathe-matics, French, and Drawing.

Hours of teaching, from R a.m. to 19, and from

Grammer, Geography, with the use of the globes, History, Composition 1 1 Above, including Latin and Greek .. 2 0 0 Above, including Mathematics ... 2 10 0

Painting, &c. 1 0 0 Mr. White will receive one or two Boarders, at the following charges per quarter:—For pupils under 12, £10; above, £12 10s.; including edu-

Fees payable in advance.

Barley! Barley!

HE undersigned, taking into consideration the present scarcity of Cash, begs leave the present searcity of Cash, begs leave to intimate to those parties whose names have figured on the wrong side of his books for a length of time, that he will be willing to take good English or Cape Barley, Makee, Hay, or other Colonial Produce, in payment of his claims, at the fall Market Price, delivered at his residence, Sportsman's Arms, West Maitland.

Maitland, November 14, 1843.

Colonial Tweed Warehouse.

R. P. CHIMMINS.

Affidavits for Proof of Debts in Insolver

Estates.

ORMS of AFFIDAVITS for PROOF of DEBTS in IMPOUNTS for PROOF may be had at the Mercury Office, West Mail DEBTS in INSOLVENT ESTATE:

MAITLAND PRICE CURRENT.

1	Ale and Porter, per hhd £4 10s to	5	0	0
1	Taylor's, ditto	5	0	0
ч	Dunbar's, per dozen	0	9	6
١	Ale, Hunter Brewery, per hogshead	4	0	0
Ц	Annatto, per lb	0.	6	0
ч	Arrowroot, per lb	0	1	0
1	Beer, Hunter Brewery, per hogshead	9	0	0
1	Bottled Fruits, per bottle	0	9	o.
.	Per dozen	1	1	0
ч	Bread, per loaf of 4 lbs6d to	ō	ō	7
٠	Bricks, per 1000 15s to	0	18	ò
:	Butcher's Meat : Beef, per lb	Ö	ö	ĭ
r	Mutton, ditto	ŏ	ŏ	1
	Pork, ditto	ō	ō	3
1	Veal, ditto	.0	0	3
١	Butter, fresh, per lb9d to	0	1	3
١	Calf Skins, each2s to	0	2	6
	Candles, mould, per lb4d to	0	. 0	41
.	Dip, per lb3d to	0	0	4
١	Cheese, per lb5d to	0	0	6
	Coal, per ton	0	13	0
٠	Coffee, per lb	0	1	0.
	Currente, Zante, per lb 6d to	0	. 0	8 -
	Currie Powder, per bottle 2s 6d &	0	3	6
	Eggs, per dozen 6d to	0	0	9
	Firewood, per load	0	3	0
	Flour: (Portus's Mills, for cash on			
	delivery)			
	First quality, per 100 lbs	0	12	0
	Second, ditto	o		Ö
	Ration, ditto	0	9	Ö
Ł	Brun, ditto	o	5	ő
3	(Nicholson's Mills, cash on delivery)			~
	First quality, neg 100 the	0	11	0

Second, ditto 0 1 Ration, ditto Fruit: Oranges, per dozen8d to 0
Peaches, per dozen1d to 0 Pears, per dozen6d to 0 Figs, per dozen......2d to 0 Melons, each.............2d to 0 (Grain: Wheat, per bushel3s to 0 (

Hides, green, each 6s to

HUNTER RIVER AGRICULTURAL

River Agricultural Society was held at the Northumberland Hotel on Thursday last. About ve members were present. Mr. Pilcher was

The Chairman opened the proceedings by

The Chairman opeoed the proceedings by reading the portion of the minutes of the general meeting on Thursday week which had reference to the duties of the committee.

The Rev. Mr. Stack stated that Mr. Wilson was unavoidably absent from the meeting to-day, but he had accepted the office of Secretary, and would enter upon the duties immediately.

would enter upon its dulies immediately.

The secretary was instructed to write to George Wyndham, Eq., to inform him that he had been appointed president of the society for the current year, and to request that he would hold the office. The Secretary was also desired to address letters to those-members of the committee who were not present at the last general meeting, informing them of their appointment; and to the members of the society generally, stating that the society had commenced opera-tions, and requesting them to pay their subscrip-

A conversation ensued upon the necessity and importance of collecting the subscriptions as early as nossible, in order that the committee night be enabled to carry out the instru the general meeting; and with a view to facili-tate the collection of subscriptions the following resolution was adopted:—"That the following gentlemen be appointed to receive subscriptions
—Mr. R. Green (treasurer), Mr. Coates Wilson
(secretary), Mr. G. Yeomans, Mr. P. J. Cohen, Mr. Lipscomb, and Mr. Reynolds; and also the

Bank of Australasia." Several new members were then proposed and

The Rev. Mr. Stack said that since the general meeting he had been endeavouring to devise some plan by which the suggestion of Dr. Scott, relative to the verbal communications of prac-tical agriculturists, might be carried into effect tical agriculturists, might be carried into effect. He though the suggestion a very important one, and if judiciously noted on might be the migans of obtaining a large hold of pasell information. Some plan might be arranged, by which persons coald attend the committee meetings, and after the formal business was disposed of they might enter upon the discussion of points of interest connected with agriculture, of which previous notice had been given. The Secretary could preserve lone notes of the more important portions of the conversations; and these notes might be revised and collated by a sub-committee amondined for that duty, with a view to their appointed for that duty, with a view to their being recorded in a book to be kept for the He had no resolution to propose,



OCR Data Reception

(Automated process)

- OCR contractor advises NLA server that a batch has been completed
- NLA server downloads the batch
- Batch is ingested into Content Management System
- Checks are performed on data validity
- QA Derivatives are generated
- Articles may now be searched, but are not yet publicly accessible



CMS - Batch information

Title The Brisbane Courier

Date Range 1864-04-11 - 1865-12-31

Status Phase 3 accepted

Project Phase 1

Size 3034 pages

- History

Status	Date
Shipped to OCR	Mon 21 Apr 08 20:33
Reception in progress	Tue 8 Jul 08 11:42
Reception complete	Tue 8 Jul 08 12:41
Ingest started	Tue 8 Jul 08 12:41
Waiting to start derivative generation	Tue 8 Jul 08 12:58
Derivatives being generated	Tue 8 Jul 08 12:59
Phase 3 ready for QA	Tue 8 Jul 08 15:53
Phase 3 QA in progress	Tue 8 Jul 08 16:21
Phase 3 QA tentatively accepted	Wed 16 Jul 08 16:40
Phase 3 accepted	Wed 16 Jul 08 16:40

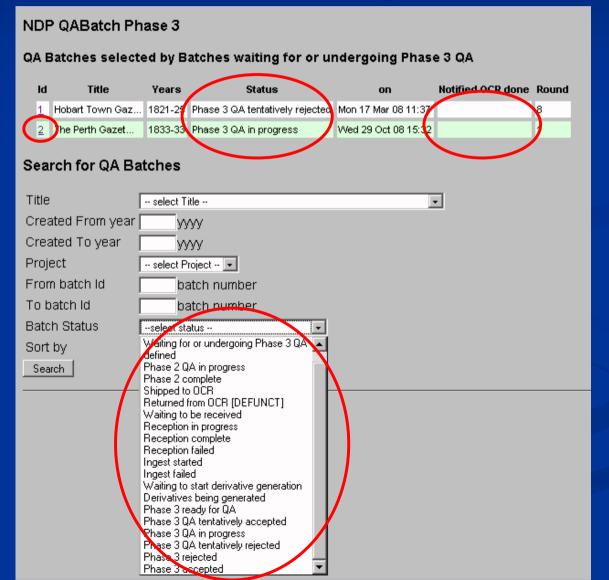


Quality Assurance (QA)

- A random sample of Issues and Articles are checked
- Volume and Issue number are checked for accuracy
- Sample articles are checked against agreed
 Quality Acceptance Criteria (QAC)
- Error rates calculated against QAC on the fly
- Supervisor checks final results

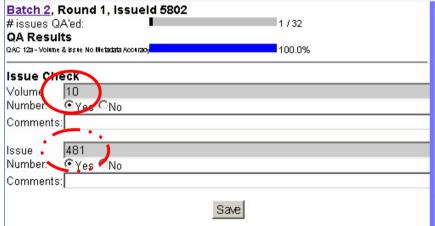


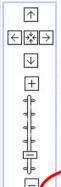
CMS - Selecting the batch





Volume & Issue Number Check





The Gazerres for Provincial Subscribers at the different Townships are sent under Cover, and the different Townships are sent under Cover, and those for Persons realing ou or near the slifterent High Roads, are addressed in like manner, with an open Cores, on which by may of check their Names are written



Countries:—Printed by Andrew Bany, the Original and Sola Proprietor, and Published at his New Printag Office, in Elizabeth-street;— whence it is forwarded (post freet) at all parts of the Island, and to New South Wales, at 164. per Quarter, paid in advance, or la. each.

Hobart Town Gazette, Van Diemen's Land Advertiser.

Vol. 10.

FRIDAY, JULY 22, 1825.

No. 481.

Colonial Secretary's Orrice, Jane 15th, 1824.

EARL BATHUMAT has been placed to appoint William Source, Equitor, of the Supremo Court is Van Diemen's Land.

By Command of His Excellency,
P. Gaulhurk, Cobinial Secretary.

F. Germanian, Colonial Socretic,
Colonial Socretics, 120 ft. June 2004, 1985,

For Stillings, as herefolder; the former forther bring data at which, according to the Government Malifestian of the 21th April Inst. the aid Coin is received in Liquidation of Stream of the Count of the Chousaid Review, on Account of the Chousaid Review and Allievaneurs for count of the Chousaid Review of the Country, on Account of the Chousaid Review of the Country, or April 10 the Country Fried, asserted to be recovered, and aid of Cattles of the Country of the Review of the Country of the Cou

Bant of Pau Diemen's Land-T a General Meeting of the Proprietors of this Establishment, held at the Bank, this 9th Hay of July, 1825,

gales by Auction.

By Mr. J. C. Folorwood, At the Royal Exchange Anction Mari, on Monday arxi, the 25th instant, at 12 of Lieft.

WISTING Paper, Account Books, Control Instant, at 12 of Lieft.

Instant, Account Books, control a general Assortment of Merchandize.

By Mr. J. C. Underwood, At the Boyal Exchange Audion Mart, on Priday next, the 20th Instant, at 12 o'Clock, Twenty fleed of HORNED CATTLE, and on excellent SADDLE HORSE, well worthy the Attention of any Gootlema.

At Launceson, on Friday, the 5th of August next, at 13 o'Clack, precisely, positionly without Reserve. F9FY-Obs Head of very superior GAT-17 T.K. consisting of Cows, Calley, and Spera.—This Berd is particularly renom-mended in the attitution of General Pro-tein Country of Company of Calley.

At the summ from tail Place, if not previously dispused of,
A Pair of very line black CARRIAGE
A HOUSE, about 13 hands high, lately
broughe from Sydney; also, a ment Chaise,
with Outriger for driving a Pair of Harnes,
and 3 Sets of superior Barness.

N.B.—Tompt Payment in Spanish Dollate at the seth.

this fill file of July, 1825,
A. E. Kene, End. Persident, in the Choice,
It was Resided ansessessing—to me appeare of
the fatheurs these produced of the Africa of
the fatheurs these produced of the Africa of
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2.—That a Copy of the state be transmitted

Convenience of a respectable between

At Casplell-atteet, leading from the New Briefly and Days Anneary, having removed from Davey-street, to his mer Store late. The Days Anneary of the fallowing the following the following the fallowing the fall the following the fall the f Athinson's New Stores, In Complete-street, leading from the New Bridge. Freight and Jassage.



Article checked against QAC

Article Image Check Is the image straight? If "No" give comments:	⊙Yes CNo	Errats in last week's feating article : for these abuse gogld not more than other to
Is the article clubbing correct? If "No" give comments: Is the zoning accurate? If "No" give comments: Is the illustration linking correct? If "No" give comments:	•Yes CNo•Yes CNo•Yes CNo•Yes CNo	Texast, "read ought not more than any other, e. ; and for, "which at 1000 at it should ease to independ on the Prices of Articles in lobant Even :— Workly Reducts of the Prices of Articles in lobant Even :—
Is the multi-page article linking correll In Indian give comments:	ct? [⊙] Yes CNo	PRIDAY, MAY 20, 1825.
Is the following information co Article Category: If "No" select correct Article Catego	News ⊙Yes CNo	those who independently advocate the commin- west, to be assained by ransource tradstrins! Who, therefore, are not supprised, nor in any degree affirbed, that the arrelle senior pecase! New Sooth Wales should malignly distort our freedom into Signation annual train four loy- alty, humans: we are not parasites. To he re- viled for performing our important duties, we shall uniformly deem to honour. And so long as we arente so face, except by applying public, explosion follow, are exchanting guild, he it known
Illustration Type: If "No" select correct Illustration Typ	e: ▼es ONo	that entities will graitly us. Gam, we are compelled to observe, is much too fashionable; and distary repersons essection is the during are not up parameter. These truths (and G ! are they not painful!) have of late received most disgusting libertrations? The Spidney Gazelto has fee the fash few months been prospected by the cramble of official beouty; and for what, except licking with a morini tongue the Lapor

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fashionable : is the darilor aths (and G ! late received e Sydney Gaeen pampered and for what, private tue the Larer Freugn



Re-keyed fields checked for accuracy

Compare the following text t	o the article image
Article Title:	No title
Correct Text:	No title
# of wrong chars:	0
Comments:	
Article Subtitle:	
Correct Text:	
# of wrong chars: Comments:	0
Article Authors:	
Correct Text:	
# of wrong chars: Comments:	0
Article Abstract:	Errata in last week's leading article: for "these abuses ought not more than other to to exist," read ought not more than any other, &c. and for "which as soon as it should
Correct Text:	Errata in last week's leading article: for "these abuses ought not more than other to to exist," read ought not more than any other, &c. and for "which as soon as it should
# of wrong chars: Comments:	0
Is the right information in the right field If "No" give comments:	?€ _{Yes} C _{No}

1		- F. In-
← ∳ → +	to exist," read ought a	's leading article: for not more than other to not more than any other, h as soon as it should read cease to be temper-
	Hobart Town:— Wheat, 12s. per bushel Barley, 5s. ditto. Oats, 4s. 0d. ditto. Potatoes, 6s. per cwt.	Eggs, 2s. Od. per doz. Butter, 4s. Od. per lb. Fowls, 3s. Od. a couple. Cheese, 1s. 6d. per lb. Pork, 8d. per lb. Veal, 81d. ditto. Green Forage, £1 10s. per load.
	AND T	E BANK NEXT MONDAY UESDAY.
	Total Control of the last of t	t Town.

It is, and ever has been, the enviable fate of

those who independently advocate the common-

weal, to be assailed by rancorous traduction!

We, therefore, are not surprised, nor in any

degree afflicted, that the servile senior press of

New South Wales should malignly distort our

freedom into licentiousness, and attaint our loy-

alty, because we are not parasites. To be re-

viled for performing our important duties, we

shall uniformly deem an honour. And so long

as we create no foes, except by opposing abuse,

exploding felly, or execrating guilt, be it known

ness in this new and assumption that our ministerial acerbity to out us would passive our present Governm ble persons know th prompter, and furnish ly all our lucubrations with sorrow or reluto be and be consider senger of public opini proves inaccurate! marks be respected. us, but as emanating country at large. from the prolonged enlightened, loyal, Colonists. We know the prompt and cordi: ty's local Representa dent, that in the aggi be any longer safely There are some n men, are of a chara neither praise nor ce

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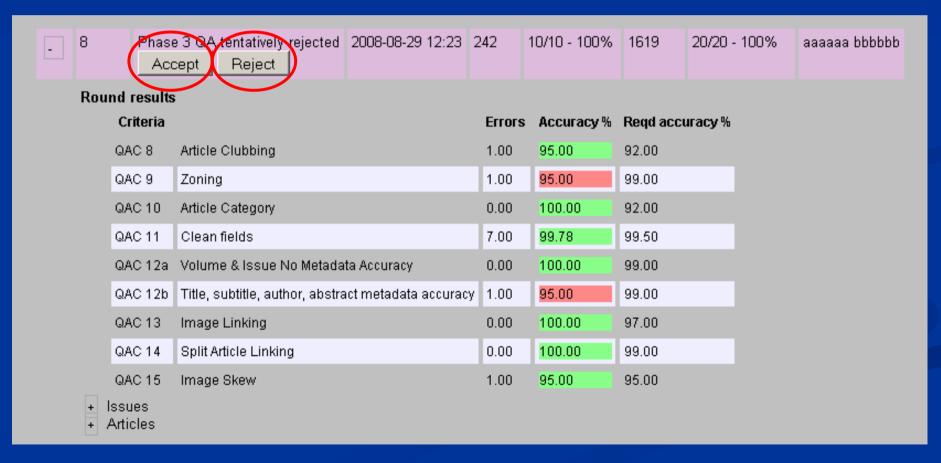
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Supervisor checks results (auto or manual accept/reject)





QA Results

- Automated email sent to supplier advising the result
- Emails for rejected batches include a summary of errors
- Summary of errors saved for all batches
- Accepted batches are immediately accessible in public search system



Batch History and details retained

NDP QABatch Phase 3

<u>Titles Reels Batches QAPhase3 Projects Apex Tapes Stats Review</u>

Details of Batch 248

Title The Argus

Date Range 1920-07-01 - 1920-12-31 Status Phase 3 QA in progress

Project Phase 1
Size 2524 pages

+ History

	Round	Status	Date	Issues	Issues QA'ed	Articles	Articles QA'ed	Notes
+	1	Phase 3 rejected	2008-07-31 18:10	157	32/32 - 100%	35678	500/500 - 100%	
+	2	Phase 3 rejected	2008-10-01 16:19	157	32/32 - 100%	35678	500/500 - 100%	QAC11 - fields not cleaned
E	3	Phase 3 QA in progress	2008-10-19 05:24	157	0/32 - 0%	35678	128/500 - 25%	
					IssueQA3		Article QA3	

Round results

Criteria		Errors	Accuracy %	Reqd accuracy %
QAC 8	Article Clubbing	0.00	100.00	92.00
QAC 9	Zoning	1.00	99.80	99.00
QAC 10	Article Category	0.00	100.00	92.00
QAC 11	Clean fields	44.00	99.95	99.50
QAC 12b	Title, subtitle, author, abstract metadata accuracy	1.00	99.80	99.00
QAC 13	Image Linking	0.00	100.00	97.00
QAC 14	Split Article Linking	0.00	100.00	99.00
QAC 15	Image Skew	0.00	100.00	95.00

+ Issues

+ Articles



Round results

Criteria		Errors	Accuracy %	Reqd accuracy %
QAC 8	Article Clubbing	1.00	99.80	92.00
QAC 9	Zoning	1.00	99.80	99.00
QAC 10	Article Category	0.00	100.00	92.00
QAC 11	Clean fields	79.00	99.90	99.50
QAC 12b	Title, subtitle, author, abstract metadata accuracy	1.00	99.80	99.00
QAC 13	Image Linking	0.00	100.00	97.00
QAC 14	Split Article Linking	0.00	100.00	99.00
QAC 15	Image Skew	0.00	100.00	95.00

+ Issues

- Articles

Article Sample

Show Er	rors			B									
Article	Page	QAC08	QAC09	QAC10 ARTCAT	QAC10 ILLTYPE	QAC11 ABSTRACT	QAC11 AUTHOR	QAC11 SUBTITLE	QAC11 TITLE	QAC12b	QAC13	QAC14 QAC1	15 Userid
574557	438584												user:smcfadd
592068	410027												user:smcfadd
596424	409412												user:smcfadd
579978	438207					1 wrong							user:smcfadd
585480	410958												user:smcfadd
589293	410419		includes characters from adjacent article										user:smcfadde
596538	409410												user:smcfadd
568679	439032												user:smcfadde
579842	438201												user:smcfadde
583186	411237									title is 'Investment Stocks'			user:smcfadde
583486	411197												user:smcfadde
571265	438841												user:smcfadde
579426	438236					2 wrong							user:smcfadde
581610	411361												user:smcfadde
563867	439377												user:smcfadde
588367	410557							1 wrong					user:smcfadde
583324	411213					10 wrong							user:smcfadde
563990	439364					2 wrong							user:smcfadde
578411	438300												user:smcfadde
569438	438986												user:smcfadde
582354	411291												user:smcfadde
579957	438209					1 wrong							user:smcfadde
594011	409756												user:smcfadde
576032	438498												user:smcfadde
563655	439386												user:smcfadde
581249	411373												user:smcfadde
569215	439002												user:smcfadde
565701	439249												user:smcfadde
568540	439050												user:smcfadde
592443	409979												user:smcfadde



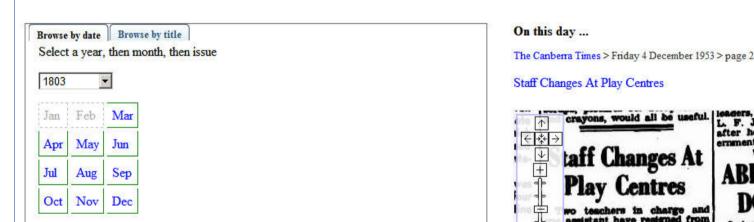
Search or Browse articles within CMS

Australian Newspapers 1803 - 1954

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Search

Try: Halleys comet



Recently added notes

[Your notes]

- Mr. Bradshaw's "petroleum launch" takes goods from Wyndham t... created 2008-12-04 12:10:48.0 by boab
- Toowong Cemetery, Brisbane: Portion 1 Section 10 Grave 12 (W... created 2008-12-04 10:55:08.0 by hilds-maclean
- Typo: 'beet' (or perhaps 'bect'?) for 'best' created 2008-12-04 10:52:51.0 by dougmarmion
- Text has 'Lanceston' for Launceston. created 2008-12-04 10:44:28.0 by dougmarmion

Recently assigned tags

[All tags]

the

ustra-

C Adamson Pomeranian twelve lives lost The garden of Queensland The home rule Bill Estate of John Joseph Lehane J Telford and W T Turner MEETINGS OF CREDITORS Hotel licences Tarrant Steamer

wo teachers in charge and assistant have resigned from berrs, pre-school play centres ake up other appointments, hey are Miss F. Wigmore a Turner, Miss V. Haynes a O'Connor, and Miss M. Sut-from Ainslie. iss Wigmore will transfer to a pre-school centre in Hobart, Miss Haynes hopes to continue her career in Perth, and Miss Sutton will take up office work. New teachers will be announced shortly.

Full enrolment for next year is expected to be reached from existing waiting lists. Between 850 and 950 children between the ages of three and five attend the centres in the mornings. Under existing arrangements, those on waiting lists attend on two afternoons, and special groups of two-year-olds are accommodated with their mothers one afternoon a week.

crayons, would all be useful.

Play Centres

wo teachers in charge and

L. F. Johnston, who is retiring after holding the office of Gov. erment Printer since 1929. taff Changes At ABBEY APPEAL

Latest donations to the Westminster Abbey appeal are as follow:-

Previously acknowl. £274 7
Mr. R. P. Gilson £1 0
Mrs. A. J. Hanley £1 1
Mr. and Mrs. T. C. Reeve Liberal Party berra Gen. Brch. .. Australian, Can. Mr. J. J. Cusack Prof.and Mrs. K. H.

Bailey

Donations should be made payshie to The Wetminster Abbey Restoration Fund and addressed to the Appeal Treasurer, Mr. R. by talk about the pos C. Burroughs, Department of devaluation of the Interior, Canberra.

merce, Local Governmen primary and secondary

"Less Capital

Shw of capital from E Australia this year is re the money market edit Financial Times.

His comments were an article reviewing progr the Commonwealth Conference held ear year stressed the impo speeding-up capital der within the Commonwe ling area, with the help ish finance.

The writer said that of private capital from to Australia achieved h in the earlier post-war since the beginning of vestors have been frig by difficulties experience tralian secondary indu



Statistics

- Stats for content received, QA'd and delivered to the public generated by the Content Management System
- (Stats for usage of public search system collected using Google Analytics)



CMS - Content Statistics

NDP QA Stats

<u>Titles Reels Batches QAPhase3 Projects Apex Tapes</u>

Summary

Reels	Pages digitised	Pages Not QA1/2	% Pages Missing	% Issues Missing	Pages Accepted	Articles Accepted
2169	1747388	24291	0.27	0.43	367651	3304825

4405 accepted pages from Northern Territory Times and Gazette not appearing in accepted figures due to reprocessing

Pages ingested from Pascoes by title

Name	Reels	Total Pages	Missing Pages	% Pages Missing	Total Issues	Missing Issues	% Issues Missing
The Advertiser (1889)	101	79627	71	0.08%	5914	1	0.01%
The Argus	<u>514</u>	479900	762	0.15%	33202	143	0.43%
The Brisbane Courier	264	230016	255	0.11%	21745	19	0.08%
The Canberra Times	<u>57</u>	58135	142	0.24%	9586	1	0.01%
Colonial Times	14	13613	16	0.11%	2911	92	3.16%
Colonial Times and Tasmanian Advertiser	1	482	0	0.0%	113	0	0.0%
The Courier (Brisbane, Qld.)	5	4013	2	0.04%	915	15	1.63%
The Courier (Hobart, Tas.)	<u>13</u>	12201	15	0.12%	2979	26	0.87%
The Courier-Mail	5	4533	4	0.08%	211	0	0.0%
The Hobart Town Courier	<u>5</u>	2530	2	0.07%	640	2	0.31%
The Hobart Town Courier and Van Diemen's Land Gazette	1	276	0	0.0%	66	0	0.0%
Hobart Town Daily Mercury	3	3112	8	0.25%	782	16	2.04%



CMS - Work Statistics

Pages complete Phase 1 QA by week/month

Year-Month	Week Ending	Page count
2008-09	2008-09-08	1445
	2008-09-15	6472
	2008-09-22	21671
	2008-09-29	7922
	2008-10-06	8038
	total	45548
2008-10	2008-10-06	4910
	2008-10-13	1776
	2008-10-20	69551
	2008-10-27	54048
	2008-11-03	50558
	total	180843
2008-11	2008-11-10	24801
	2008-11-17	33112
	2008-11-24	16972
	total	74885
total		1729669

Year-Month	Week Ending	Rejected	Accepted	Total
2008-09	2008-09-08	4467	24507	28974
2008-09	2008-09-15	4336	27513	31849
2008-09	2008-09-22	2495	29811	32306
2008-09	2008-09-29	6241	28348	34589
2008-09	2008-10-06	0	28866	28866
	total	17539	139045	156584
2008-10	2008-10-06	2048	2592	4640
2008-10	2008-10-13	12291	37212	49503
2008-10	2008-10-20	0	21651	21651
2008-10	2008-10-27	0	4572	4572
2008-10	2008-11-03	0	7443	7443
	total	14339	73470	87809
total		75112	372301	447413



Access

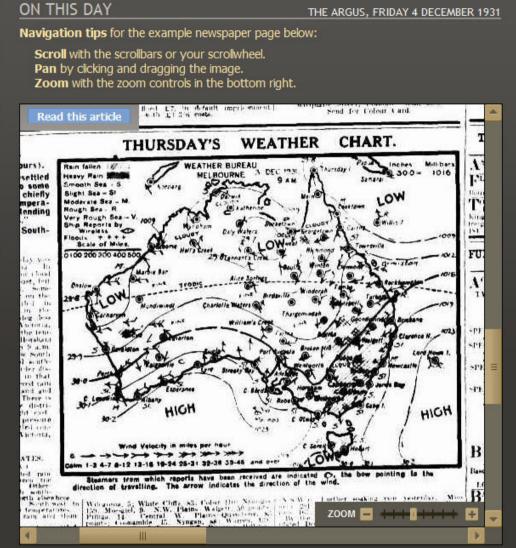
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- Search results can be refined using filters
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TOP TEXT-CORRECTORS

- jhempenstall (69850)
- maurielyn (65642)
- cmdevine (58455)
- mrbh (57549)
- fwalker 13 (57112)

RECENT COMMENTS

Mr. Bradshaw's "petroleum launch" takes ... created 2008-12-04 12:10:48.0 by boab

Toowong Cemetery, Brisbane: Portion 1 Se. In created 2008-12-04 10:55:08.0 by hilda-maclean

RECENT TAGS

Pomeranian twelve lives lost The garden of Queensland The home rule Bill Estate of John Joseph Lehane MEETINGS OF CREDITORS >> All tags