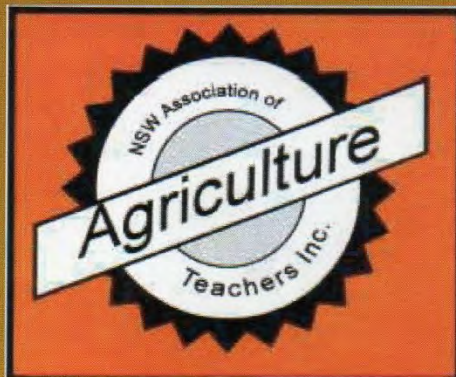




Bulletin of the NSW Association of Agriculture Teachers

BAAT

2007

Hopeful not Hopeless





N.S.W. Association of Agriculture Teachers Inc



www.nswaat.org.au
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CONTENTS

1. Presidents Report
2. Ian Baird: PTC Award
3. Premiers Agriculture Scholarship
4. J.A. Sutherland & Life Membership Nominations
5. NAAE Conference Registration 2008
6. Ben Toll Livestock Article
7. Rural Crisis in Education
8. PI Networking Day & Wodonga Sale
9. Selecting the Perfect Steer
10. World Skills
11. Agriculture Resources
12. Primary Industries HSC Study Day
13. Letter: Assoc Aust Collaboration
14. Australian Collaboration
15. MLA: Beef Cattle

Presidents View Point.....



AGRICULTURE AT THE STATE & NATIONAL AGENDA:

Promotion of Agriculture in Schools:

^ In July I represented the Association at an important 'roundtable' meeting with the NSW Farmers Association to discuss the situation with falling numbers of students entering Agriculture courses at the university level.

^ To discuss a shared strategy aimed at reversing this trend, this meeting involved agriculture related education stakeholders such as:

- | | | |
|---|-----------------------------|-----------------------------|
| - NSW Farmers Association | - Australian Farm Institute | - TAFE |
| - Westpac Agribusiness | - Rimfire Resources | - Twynam Agricultural Group |
| - Australian Institute of Agricultural Science & Technology | | - University of New England |
| - University of Western Sydney | - Cotton Australia | - NSW DPI |

^ The areas for discussion were:

- Key impediments to choosing agricultural vocations as their preferred career.
- Concepts to improve students taking up agricultural vocations as their preferred career
- Defining the key elements of a strategy to facilitate tertiary agricultural studies as a preferred career path for students.

^ Outcomes of the 'Roundtable' were:

- To progress to a formal alliance to address this crisis.
- Develop & execute a strategy to lobby the Federal Government to:
 - Waiver Higher Education Contribution in the first year (HECs)
 - Reducing the cost of HECs fees to students (short term)
- Provide scholarships for Agriculture & related subjects, through the Alliance obtaining sponsorship
- Assist existing programs to promote agriculture in primary & high schools
- Develop promotional campaigns targeted at highlighting agricultural careers.

^ Much discussion was centered on the 'supply' & 'demand' of agriculture students in High Schools, TAFE, University and Industry with avenues of how to address each level to change the trend of declining numbers electing to be involved in Agriculture.

^ This issue has had attention since the 'Roundtable' discussion both at the NSW Farmers Conference in July & through media publications on the issue.

^ You will find various articles outlining this issue in this issue of BAAT.

^ This issue is central to our interest in education & it's vital that the Association be involved in the Alliance that is to be formed.

^ The 'Key Outcomes' from this 'round table' have been included in this issue of BAAT.

PREMIERS AGRICULTURE SCHOLARSHIP:

- The inaugural Visy scholarship in Agriculture was announced in August by NSW Premier Morris Iemma. The recipient was Ian Chapman of TAFE NSW: Western Institute.

- Ian received the \$15000 scholarship from the Premiers Department to undertake a holistic course in sustainable agriculture offered in the USA. Ian will be able to deliver this course to students in the NSW TAFE Western Institute next year.

- At the presentation ceremony Premier Iemma stated that Agriculture is a significant industry to the NSW economy. He outlined the importance of sustainable farming in maintaining the resources farmers have to produce the states food supply for both the local economy & export market. He noted that farmers in NSW have done it tough during the recent drought & that governments need to be sensitive and supportive to farmers otherwise food prices & the economy are affected..

ASSOCIATION MEMBERSHIP:

^ The current membership list to the Association was published in the October newsletter sent to all schools, TAFE campuses and universities throughout NSW. Could you please ensure that your membership is current by checking this list. If you did not receive your newsletter please check with your supervisor or Principal.

^ The current newsletter is available on the Associations web site. If you are not receiving your newsletter from the Association, then please contact me to ensure your copy in future.

^ If you are a new Aggie to the profession or have allowed your membership to lapse, please download the membership form available from the website at: www.nswaat.org.au and send completed details and payment to the Associations treasurer Johana McCarthy 60-80 Moore Street Hillston NSW 2675

^ Any enquiries regarding membership can be directed to Johana.

UPDATE ON: 'AGRICULTURE CLASS SIZES':

^ As mentioned in my last report in the Winter BAAT 2007: the NSW Teachers Federation pursued the issue, that Science be considered as a practical subject and therefore limit class sizes to 20 students. Staffing formulas & all other resources should of course be adjusted accordingly. This concept would assist to attract Science teachers & would also enable adequate supervision for students to ensure their safety.

^ The approach to take was to bring Agriculture classes in line with this proposal & to approach your local federation sub branch & move motions to the effect that:

'Agriculture is included with Science as a practical subject. Teaching Agriculture to class sizes of more than 20 students per class has safety implications particularly with students using various pieces of agricultural machinery such as, plant, animal and agriculture equipment. Students are involved in handling plant and animals in practical classes where the ratio of equipment to students is generally unequitable.'

^ The result is that the issue was to surface at the July Federation Council meeting in Sydney but unfortunately time permitted the item being dealt with at this meeting. The upshot of all this is to go back to the drawing board and commence the process at the local level.

^ The Association is pursuing this important aspect of our profession, but can be assisted by individuals working through your local branch.

REVIEW OF STAGE 6 AGRICULTURE:

^ The BOS conducted meetings at Bathurst and Lismore at the end of term 2 this year regarding the minor review process for the stage 6 Agriculture syllabus.

^ You may recall that the BOS circulated information about the minor changes to the syllabus to schools in the region close to these centres.

^ This was a minimal review of the syllabus and investigated the areas of exam specifications with paper 2 regarding the block question in the elective questions.

^ The second area of the review process investigated; was to bring the Agriculture 'Learn to' & 'Learn about' into line with the format of the TAS syllabus.

^ The outcome of these meetings was as followed:

- i. Attendance at the meetings from Agriculture teachers was disappointing and the results of the areas for investigation were not conclusive to continue with a minor change.
- ii. The elective proposal for the review process was rejected by those in attendance at the meetings.

^ The BOS has postponed any minor changes to the stage 6 Agriculture syllabus and the status quo will remain for the syllabus.

CONGRATULATIONS TO IAN BAIRD:

ASSOCIATION TECHNOLOGY & COMMUNICATION COORDINATOR

^ The Association successfully nominated Ian Baird for the Professional Teachers Council Outstanding Professional Service Awards for 2007. The award was announced on World Teachers Day in October and recognises individual committee member's outstanding professional contribution to education in NSW made through a professional teachers' association.

^ Ian's role as the Association Communication & Technology coordinator for the past four years has ensured that the Associations web site is current, resourced and available to Agriculture teachers.

Tony Butler President Oct. 2007

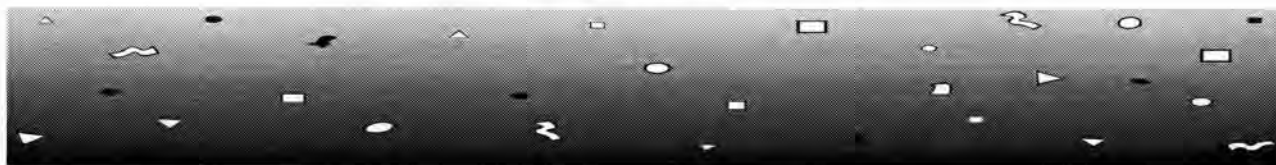


CONGRATULATIONS

TO

IAN BAIRD

**Associations
Communication & Technology Officer**



Outstanding Professional Service Award

^ The Professional Teaching Council (PTC) of NSW introduced this annual award in 2002, in recognition of the voluntary work undertaken by association committees.

^ The NSW Association of Agriculture Teachers is a member of the NSW PTC.

^ This award will be made by the PTC on behalf of professional associations in recognition of the voluntary individual committee member's outstanding professional contribution to education in NSW made through a professional teacher's association.

^ The current Agriculture Association's executive nominated Ian Baird; Communication & Technology Officer of the Association for his four years continued professional work towards the needs of the Associations web site.

^ The award is to be presented to Ian Baird by the Minister for Education & Training, The Hon. John Della Bosca on Tuesday 11th December 2007 at the PTC Annual Presentation Evening at Leichhardt, Sydney

^ Congratulations to Ian on behalf of the Association & all Agriculture Teachers.

Congratulations...



Ian Baird



NSW Association Agriculture Teachers

Mr. Ian Baird **Citation**

Mr. Ian Baird is a dedicated and committed Agriculture teacher who has used his expertise in the field of Agriculture Technology to assist in the development and maintenance of the NSW Association of Agriculture Teachers Website over the past four years.

As Website/ICT co-ordinator, Ian has established a statewide network of current Agriculture resources which is readily accessible by teachers and anyone interested in Agriculture education.

Ian's reliable involvement with the Website facility has enriched the teaching of Agriculture by providing education materials required to deliver quality education to all students.

Evidence of Ian's valuable contribution to Agriculture education can be reflected in the Website hosting statistics which reflect an increasing 'hits' and 'traffic usage' to the Associations Website.



Mr. Ian Baird's
Briefing Notes:



1975-1977:

- ^ Agriculture Teacher at Yanco Agricultural High School.
- ^ Stockmaster in 1977.

1978:

- ^ Agriculture Teacher at Windsor High School.

1979 to 1982

- ^ Agriculture Teacher in charge in New Hebrides (Vanuatu).
- ^ Established a Farm Club and became involved in Curriculum Development.
- ^ Appointed Chairman of the National Curriculum Development Committee.
- ^ Worked closely with Alan Sutherland who was the consultant to the committee.

1983 to 2006

- ^ Agriculture Teacher at Murrumburrah High School.
- ^ Developed the school farm of 13 hectares.
- ^ Involved in sheep breeding (President of Gromark Sheep Society).
- ^ Showing cattle at local and state shows: 1988 to 1999.
- ^ Principal organiser & coordinator of student workshops for the Murrumburrah High School Field Days which was a feature of the school for a 5 year period.
- ^ The school field days led to Murrumburrah High School hosting the 1993 National Treefest.

2007

- ^ Technology teacher including Animal & Plant units in an Agriculture context.

HSC Marker:

1978-2005:

- ^ Marker for HSC Agriculture.
- ^ Participated in programming workshops in Agriculture.

Association of Agriculture Teachers involvement:

^ Association Member: 1975-1978 & 1982-2007

- Member of the NSW Agriculture Teachers Association for 27years.

^ NSWAAAT Executive: 2004-2007:

- Member of the NSWAAAT State Executive.
- State executive role as the Technology & Communications contact responsible for the Associations Website.
- Committee member for organising the 2006 Biennial Conference.

NSW Association of Agriculture Teachers Web-Site Involvement:

^ Website/ICT co-ordinator: 2004-2007:

- Further developed and added enhancements to the website which was initially set up by Graeme Harris.
- Established new web-pages, maintained existing web-pages by keeping the information current and enhancing the pages with colour and graphics.
- Deleting obsolete text.
- Testing the updated web-pages in a browser to check user access.
- Checking links, redoing links.
- Uploading files to the website/ organising PDF's and text documents into folders for webpage access.
- Checking on website traffic on a monthly basis.
- Providing the State Executive with statistical information on member access to the website.
- Troubleshooting technical issues with the website which involves communicating with the web-host, often over extended periods of time.
- Liaising with members of the State Executive to establish what is required to keep members up-to-date.
- Teaching materials, resources, Association newsletters, conference agendas and sponsor articles, agriculture correspondence, various reports, Association bulletins are among some of the information provided by the state executive which is uploaded to the Associations web site.

2007 Premier's Visy Industries Scholarship

*Inaugural
Agriculture
Teachers
Scholarship*

NSW Premier's Teacher Scholarship 2007:

^ Teachers in schools and TAFE NSW Institutes across New South Wales had the opportunity to apply for the NSW Premier's Teachers Scholarships.

Background:

^ The NSW Premier's Teacher Scholarships were introduced in 1999. In the first year five American History Scholarships were offered.

^ In 2007, thanks to the generous support of corporate partners, 36 scholarships in 16 categories across 15 curriculum areas were offered to all teachers in NSW government and non government schools and TAFE NSW Institutes.

^ The scholarships are designed to enhance and enrich the learning experiences of students in the classroom whilst presenting a unique opportunity for teachers to develop skills and knowledge in their chosen field of expertise.

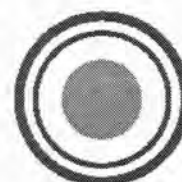
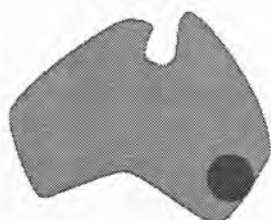
The Agriculture Scholarship Award:

The award supports a five week study tour in Australia or overseas to research teaching methods which promote Agricultural Studies especially in the areas of sustainable Agriculture.

Agricultural Scholarship:

There was one scholarship of \$15,000 on offer and the successful recipient will be able to travel to overseas later this year or early next year.

The scholarship provides a wonderful professional development opportunity for teachers to strengthen their teaching and make a positive contribution to schools and TAFE NSW Campuses.



Congratulations



Ian Chapman NSW TAFE
recipient of the inaugural Premiers
Agriculture Scholarship

Ian Chapman
Western Institute TAFE NSW

TAFE NSW - Western Institute, Wellington Campus, teacher, Ian Chapman was awarded the prestigious NSW Premier's Visy Industries Agriculture Scholarship.

Presented for the first time, the Visy Industries Scholarship is open to teachers currently teaching Agriculture in schools or TAFE NSW Institutes to study any aspect of Agricultural education with a special emphasis on Sustainable Agriculture.

Ian is planning to use the \$15,000 scholarship to travel to the United States and commence the process of becoming a Certified Educator for Holistic Management(r).

"Currently there are only 11 Holistic Management Certified Trainers in Australia," Mr Chapman said.

"Holistic Management training has been a major force in the development of sustainable agriculture in Australia and with increased debate on managing climate change and carbon trading there is enormous potential in the future."

Holistic Management was started by Alan Savory forty years ago when he set out to provide a new framework for making decisions, based on setting goals that encompassed environmental, personal and economic aspirations, and then making decisions about grazing land management that can be monitored to have positive outcomes for land health and productivity. Mr Savory was awarded the International Banksia Award in Australia in 2003 for his contribution to natural resource management.

Mr Chapman said that TAFE NSW has been working with Holistic Management in Australia to facilitate training throughout TAFE colleges. "Because all training must be done by Certified Educators, my vision and now opportunity to become a Certified Educator will be a great gain to Western Institute," he said.



Ian Chapman speaking to
Education Minister Mr John Delabosca



Nigel Cox, Singleton High, Ian Chapman
& Tony Butler



Some of the recipients of the Premiers Scholarships 2007

Mr Chapman said that TAFE NSW has been working with Holistic Management in Australia to facilitate training throughout TAFE colleges. "Because all training must be done by Certified Educators, my vision and now opportunity to become a Certified Educator will be a great gain to Western Institute," he said.

According to TAFE NSW - Western Institute Director, Adrian Mitchell, Ian's achievement will not only be a benefit to the Institute, but the agricultural industry and local community as a whole.

"Ian's initiative and drive to provide leadership for his industry is outstanding, and an excellent example of the commitment that keeps this Institute to the fore in delivering training with significant outcomes for the community and rural economy," Mr Mitchell said.

His study tour and 'individual learning program' will start at Albuquerque, New Mexico and include farm visits and workshops in a number of states including Montana and California. After he returns to Australia he will be assigned a mentor and work with other Certified Educators. He expects to become a fully Certified Holistic Management Educator in two years.



Tony Butler NSWAAAT, Robyn & Ian Chapman, John Mills
NSW TAFE at Premiers Scholarship presentation.

VISY
PULP & PAPER
PAPER MAKING FOR
A BETTER WORLD.



^ If you are interested in researching teaching methods which promote Agricultural Studies especially in the areas of sustainable Agriculture, then apply for the 2008 Premiers Scholarship.

^ Information about the Premiers Scholarships will be available by the end of this year.

^ Check out the Associations web site at www.nswaat.org.au

Nominations for...

J.A. Sutherland Award



Life Membership Award

^ Its time again to think about someone in your area that may fill the criteria for the award of the above awards which will be announced at the Ag conference in October 2008.

^ Please give it some thought & forward forms to:

Secretary of the Association
Mr David Crick
Barham High School
Gonn Street
Barham NSW 2732

Closing Date:
End of Term 1
11th April 2008

The Criteria

FOR THE AWARDING OF THE



J. A. Sutherland

ARE AS FOLLOWS:-

- i. The Alan Sutherland Memorial Award be presented to an Agriculture teacher judged to have made a significant contribution to the teaching of Agriculture;
- ii. The recipient is a secondary school teacher who is a member of the NSW Association of Agriculture Teachers;
- iii. The award is judged by a committee comprising the executive of four and two members nominated by the committee;
- iv. Nominations for the award are made by any member or group of members in writing at least three months prior to the Biennial Conference;
- v. Nominations or a summary of nominations to be included in the Association Newsletter prior to the Biennial Conference;
- vi. The judging committee reserves the right not to make an award in any Biennial; the award takes the form of -
 - a) a perpetual trophy inscribed with the name and year of the recipient, and
 - b) a personal award to the recipient;
- vii. In the event of the Biennial conference not being funded, the award be made and the members advised in the next edition of BAAT.

A significant contribution should include -

- *A work or event from which many benefit*
- OR*
- *An outstanding worker*
- OR*
- *An innovation*

The J.A. Sutherland Award

**FOR EXCELLENCE / CONTRIBUTION TO AGRICULTURAL EDUCATION IN NSW
SECONDARY SCHOOLS**

✓ **THE MOST PRESTIGIOUS AWARD THAT CAN BE AWARDED TO ANY
TEACHER OF AGRICULTURE IN NSW IS THE:**

▪ **J. A. SUTHERLAND AWARD.**

✓ **THE J.A SUTHERLAND AWARD IS NAMED AFTER ALLAN SUTHERLAND.**

✓ **THE RECIPIENTS OF THE J. A SUTHERLAND AWARD ARE:-**

AAAAAAAAAAAA

1997	Mr. Peter Jones (Chifley College)
1999	Dr Rod Francis. (Prof. at C.S.U.)
2001	Jenni Wilkins (Birrong Girls High School)
2003	Trevor Sewell (retired)
2004	Tony Barnett (retired)
2006	Robyn O'Leary (Finley High School)

AAAAAAAAAAAA

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If you know someone
who you think
should be recognised
for their excellent
contribution to
Agricultural Education
in NSW secondary
schools.....

Then send:

**^ A citation of that
person's outstanding
achievement**

&

**^ Details of person
initiating the nomination
to.....**



**Mr David Crick
Barham High School
Gonn Street
Barham NSW 2732**

.....by 11th April 2008

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The Criteria

FOR THE AWARDING OF



Life Membership

ARE AS FOLLOWS:-

- i) Nomination by present financial members of the Association will be required on the nomination form enclosed in this BAAT.
 - ii) Support materials must be provided together with referees, to enable a full resume to be developed and presented in BAAT.
 - iii) A summary of the resume is to be posted prior to the AGM at the biennial conference.
 - iv) Voting will be decided on a 2/3 majority of the *Members* voting.
 - v) Successful members will become life members as of the date of the meeting, and be invited to receive their life membership at the following Biennial Conference.
-

Life Membership **-- Award. --**

- **NOMINATIONS FOR LIFE MEMBERSHIP OF THE NEW SOUTH WALES ASSOCIATION OF AGRICULTURE TEACHERS ARE NOW BEING ACCEPTED.**
- **THE AWARD OF LIFE MEMBER IS TO BE MADE TO A MEMBER OF THE ASSOCIATION WHO HAS PROVIDED OUTSTANDING AND LONG SERVING CONTRIBUTION TO THE ASSOCIATION AND TO THE TEACHING OF AGRICULTURE.**
- **THE RECIPIENTS OF LIFE MEMBERSHIP ARE:-**



- **Mr. Norm Robinson**
 - **Mr. Don Bartholomew**
 - **Mr. John Lee**
 - **Mr Phil Hurst**
 - **Mr Tony Butler**
-
-



Name: _____

Address: _____

Phone: (H) _____
(W) _____

AAAAAAAAAA

Name of person nominating _____

Signature _____

Address: _____

Phone: (H) _____
(W) _____

AAAAAAAAAA

Name of person seconding nomination:

Signature _____

Address: _____

Phone: (H) _____
(W) _____

Please attach supporting resume of person being nominated which will be published in BAAT as well as a brief resume summary.

Resume to be posted prior to the AGM in October 2008 at the Conference.

PLEASE SEND NOMINATION FOR LIFE MEMBERSHIP TO:

**Mr David Crick
Barham High School
Gonn Street
Barham NSW 2732**



Life Membership Resume

Address:

~ Invitation ~

National Association of Agricultural Educators Conference

NSW Agriculture
Teachers Association
will subsidise NSW
Association members

\$100

to attend the National
Ag. conference

WHEN?

Interested?

Contact:

Johanna McCarthy
Hillston Central School

For
Details

Ph: 02 69672277
Fax: 02 69672385

Deakin University
Geelong Victoria
Sunday 6th January
to
Thursday 10th January
2008



The Changing Climate of Agriculture NAAE Conference Registration 2008

Deakin University (Geelong, Victoria) - Waurm Ponds Campus

Please ensure this form is completed correctly. Failure to do so may cause delays in processing.
Please use BLOCK LETTERS. For multiple registrations please photocopy this form.

Personal Details

Title:	First Name:	Surname:
School/Organisation:		
Address:		
Suburb:	State:	Postcode:
Telephone (wk):	Telephone (AH):	
Email * :		

*** Please ensure you provide your correct email address as ALL correspondence regarding conferences is by email ONLY. Private information will not be passed onto any other entity.** An initial email is sent to confirm that we have received your registration form, then a further email is sent **5 business days prior to the conference** to confirm your session allocations and other relevant conference information.

For further enquiries contact the Andrew Cosby, President of the VAAHE on 0419 500 621 or email: ac@emc.vic.edu.au

Costs

Please send this form and cheque to VAAHE c/o Joanne Wheeler

Refund Policy: Notification of cancellation must be in writing. Cancellations can be made no later than 1 month prior to the conference. People who cancel by this date will receive a refund less 20% administration fee. There will not be any refunds for cancellations made after this date.

TAX INVOICE ABN: 99 859 793 486

Full Package	\$570	or	Part Packages	Qty	@ \$	=
Includes: All accommodation from			Single Night Accommodation	45		
Sunday to Thursday (not including			Individual Breakfast	10		
Thursday			Sunday Night BBQ	15		
night), all meals (except Tuesday Night), and			Monday Dinner	40		
participation in all planned			Monday Activities	110		
activities.			Tuesday Activities	110		
Alternative Full Package	\$330		Wednesday Activities	132		
Doesn't Include: any			Conference Dinner	80		
accommodation, breakfasts or			Thursday Activities	70		
Sunday or Monday night Dinner						
Total: _____		or	Total: _____			

Dietary Requirements:

Accommodation is at Waurm Ponds Campus. Rooms contain single beds. There is a common room which will be shared with others from the conference.

CLOSING DATE for Registrations:

Friday 23rd November 2007

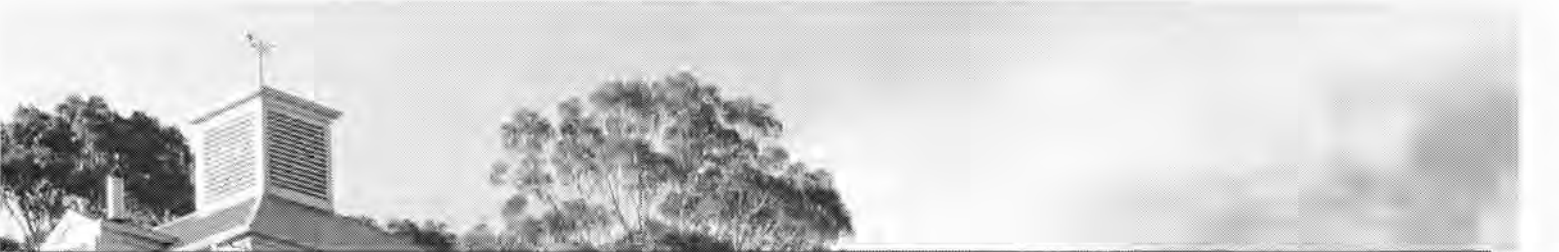
MAIL Registration forms and cheques to

VAAHE Treasurer: Joanne Wheeler,

Woodleigh School,

Golf Links Road, Baxter VIC, 3911

Ph: (03) 5971 1108 • Fax: (03) 5971 1010



NAAE Conference Registration 2008

Deakin University (Geelong, Victoria) - Waurn Ponds Campus

Session Selection

There is a limit to the number of participants in all sessions. Sessions will be allocated on a first come - first served basis. Please indicate your preferences of workshops form 1 (most preferred) to 10.

Workshop Title	Description
CSIRO Exotic diseases	Learn about latest research in emerging infectious diseases, vector-borne diseases, & strategies for outbreak investigation of emerging animal diseases.
Angus Australia Bob Dent	Extension and education opportunities offered to students in the Beef Cattle Industry.
Sheep Feed Lotting Jason Gordon	A practical approach to maximising farm income through the feed lotting of sheep.
Cows Create Careers Deanne Kennedy & John Hutchison	Practical and hands on opportunity for students to learn about the Dairy industry by looking after calves in the school environment. This initiative is expanding from Victoria into other states.
Hydroponics Sage Horticulture – Bob Campbell	Find out about the latest in Hydroponics and it's use in schools.
Aquaponics Wilson Lennard	Learn about this exciting new industry which integrates the growth of both fish and plants in the one system. See a simple working model which can be used in a school program.
LandLearn in the Garden	Introducing LandLearn's resources that support integrating gardens and vegetable patches into the curriculum. Activities include companion planting, food miles and activities investigating the Queensland Fruit Fly.
LandLearn: Balancing Biodiversity and Agriculture	Participate in interactive biodiversity workshop which will offer practical activities and resources to take back to the classroom.
Innovative Irrigation Jessica Small	Hear the latest research in irrigation technology being applied across Australia.
Native Plant Propagation	Learn the latest techniques in the propagation of native plants by seeds and cuttings.
Innovation in Textile and Fibre Technology CSIRO – Heather Forward & Prof Xungai Wang	Visit the Fibre and Technology Precinct to look at the latest innovations in Textile and Fibre Technology, and it's practical application in the Textile industry.
Poultry Industry Education Competition Paul Kent	This project was created to combat misinformation and to make the general public aware of industry practices and products
Drought tolerant Crops and Pastures Heather Brayform	Find out about genetic solutions pertaining to drought tolerance in Crops and Pastures.
GIS Soil & Water Bendigo DPI	Look at the latest research into GIS soil and water.
Farm Safety Victorian Farm Safety Centre	OH&S is a major issue on Australian farms. Find out the most recent ideas to minimise accidents on the farm.
Foodwebs: Ponds & Australian Woodlands Newbyte	Check out the Interactive software for students which enables them to model and simulate different scenarios of Pond and Woodland ecosystems.
Down to Earth: Undercover Minerals Council of Australia	Explore FREE software which makes students environmental engineers which must solve issues to do with ground water salinity and soil erosion.
Lifetimewool Australian Wool Innovation	Improve you teaching of Ewe Management, Lamb Planning, Feed Budgets and Condition Scoring using easy to follow resources produced by AWI and other industry leaders.
Ollies Island Jane Stewart	Interactive Software program that teaches aspects of sustainability through animated adventure and practical case studies.



The Changing Climate of Agriculture

NAAE Conference Registration 2008

For Teachers of Years 5 - 12 Agricultural & Horticultural Studies & Science

Sunday 6th January 2008 @ Deakin University - Waurn Ponds Campus

3:00 pm – 6:00 pm Early arrivals with accommodation and registration. BBQ Tea.

Monday 7th January 2008 @ Deakin University - Waurn Ponds Campus

8:15am – 9:00am Registration and trade displays

9:00am – 9:10am Welcome & housekeeping

9:10am – 10:00am Keynote address

Climate change: Australian Agriculture Transformed

Dr Mark Howden: CSIRO Agricultural Sustainability Initiative

10:00am – 10:30am Morning tea and trade displays

10:30am – 12:00pm Forum – Where are we heading?

Expert panel talking on issues related to climate change in all areas of agriculture.

12:00pm – 1:30pm Lunch

1:30pm – 3:00pm Workshop 1

3:00pm – 3:30pm Afternoon Tea

3:30pm – 5:00pm Workshop 2

7:00pm Dinner

Tuesday 7th January 2008 @ Deakin University - Waurn Ponds Campus

9:00am – 10:30am Forum: Issues impacting on the future of Agricultural Education - positive solutions explored.

10:30am – 11:00am Morning tea and trade displays

11:00am – 12:30pm Workshop 3

12:30pm – 1:30pm Lunch

1:30pm – 3:00pm Workshop 4

3:00pm – 3:30pm Afternoon Tea

3:30pm – 5:00pm Workshop 5



NAAE Conference Registration 2008

Deakin University (Geelong, Victoria) - Waurn Ponds Campus

Wednesday 9th January 2008 @ Various Destinations Around Geelong

9:00am – 4:00pm Day Tours

Bus 1: Free Range Piggery, Alpaca and Sheep Properties

Bus 2: Olive Grove, Vineyard & Nursery

Bus 3: Werribee Water Treatment, Market Gardens & Nursery

Bus 4: Werribee DPI & Werribee VET Centre

12:30pm – 1:30pm Lunch on the Road

7:30pm – 11:00pm Conference Dinner – The Waterfront

Keynote Speaker

Entertainment – Bush Dance

Thursday 10th January 2008 @

8:45am – 9:00am Bus From Waurn Ponds Campus to Australian Wool Museum

9:00am – 10:00am AGM of NAAE

10:00am – 10:30am Morning Tea

10:30am – 12:30pm Tour of the National Wool Museum

12:30pm – 1:30pm Lunch

1:30pm – 3:00pm Wool Activities

3:00pm – 3:30pm Plenary Session

**Closing Date for Registrations:
Friday 23rd November 2007**

Late fee of \$50 may apply after this date

For further information contact Andrew Cosby

5 Troedel Street, Pearcedale VIC 3912

Ph/Fax: (03) 5978 6835 •

Mb: 0419 500 621

Email: ac@emc.vic.edu.au •

Website: www.vaahe.org.au



^ If you have not been to a National Agriculture Educators conference then give this conference some serious consideration.

^ Guaranteed a great professional time.

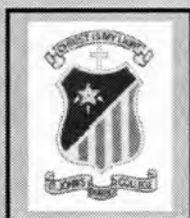
SPECIAL FEATURE

Livestock Exhibition and its True Value

*- An
Educational
Perspective*



**Ben Toll
St Johns College
Dubbo**



Livestock Exhibition and its True Value



- An Educational Perspective

**Ben Toll
St John's College
Dubbo**

It is important from time to time to reflect on the true value of extra-curricula activities such as Led Steer and Junior Judging Competitions as they can be greatly under valued. Some of the major benefits include;

Students and Learning

In terms of the Agriculture Syllabus and components of the Primary Industries Course, skills, competencies and knowledge gained from livestock preparation and exhibition are directly relevant to a number of outcomes including;

- Animal Nutrition
- Pests and disease
- Market Specifications
- New Technology
- Animal Production
- Communicating in the Workplace

The availability of quality livestock on the school farm is essential to allow for an effective and balanced teaching program, as both practical and theoretical learning experiences can be accomplished.



Pictured above is Lauren Amor from St John's College, Dubbo.

Cattle Exhibition develops students' animal handling skills, improves confidence and self-esteem.

Students and Personal Development

Activities such as Junior Judging events are conducted whereby students are presented with a problem; they make ordered assessments and then articulate their responses to an audience in a given time frame. The students then re-evaluate their initial assessments.

This is a very relevant activity, which allows students to effectively learn and communicate while gaining positive feedback in a unique environment.

Students Social Skills



Pictured above is Ned Williams from St Johns College, Dubbo.

Students involved in Junior Judging develop pride in their presentation and improved public speaking skills.

It is very difficult to appreciate all the social benefits of these activities, however, the continued and frequent positive feedback from parents, teachers, students and livestock breeders is invaluable and a true indication of what is achieved by competing in such events.

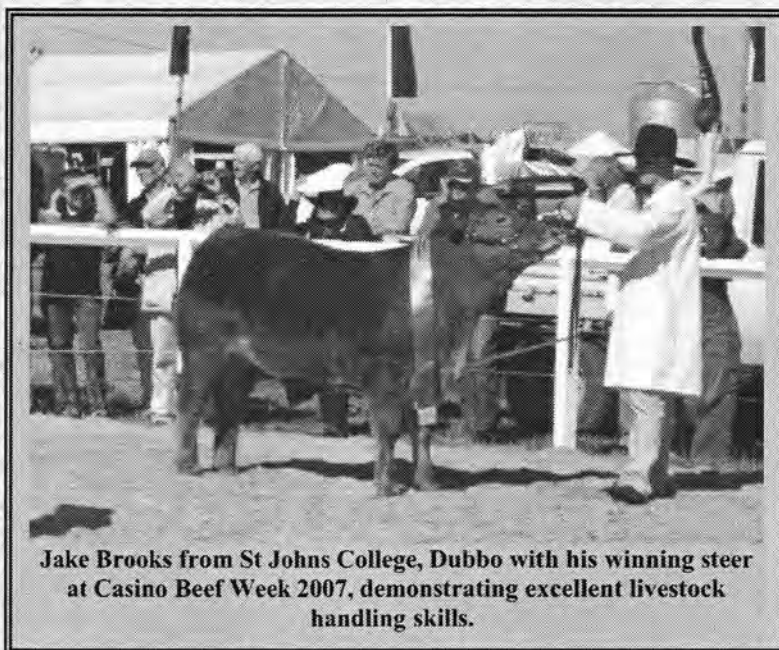
Whilst on livestock exhibition team excursions, students are encouraged to gain an appreciation for respect, responsibility, cooperation, working as part of a team, and efficient use of time. Given the correct learning environment, this can significantly improve a student's confidence and self-esteem.

Students and Employment (Vocational)

By competing in livestock exhibition events, students are exposed to new technology and up-to-date information.

The opportunity to interact with industry leaders in a safe and controlled environment allows students a unique insight into the future direction of the cattle industry, as well as providing them with potential employment opportunities.

Ultimately, students who participate in these events gain a greater appreciation of the Agriculture sector, develop skills and obtain knowledge which will further help them in their studies and make them more employable.



Jake Brooks from St Johns College, Dubbo with his winning steer at Casino Beef Week 2007, demonstrating excellent livestock handling skills.

Contact

The Association thanks Ben Toll for his article on:

"Livestock Exhibition & Its True Value – An Educational Perspective"

Ben is passionate about the cattle industry & is a fine example of an Ag teacher involving students in extra curricula activities such as led steers & junior judging competitions.

(Mr) Ben Toll
Agriculture Coordinator
St Johns College, Dubbo
Email: bentoll@aapt.net.au
Mobile: 0438 843 767
Phone: (02) 6884 3766 BH

AGRICULTURE

ISSUES

*which concern us as
educators*

- ROUND TABLE DISCUSSION:
 - nsw farmers association
- RURAL CRISIS IN EDUCATION:
 - unis need more students
- SURGE IN DEMAND FOR AG
QUALIFICATION:

ROUNDTABLE:

TERTIARY EDUCATION

The NSW Farmers' Association is extremely concerned by reports of dramatically decreasing numbers of tertiary students undertaking agriculture-related degrees. With universities reporting a decrease in enrolments despite strong demand by employers for agriculture and related graduates, the Association has foreseen the issue as a major threat to rural industries.

The Association believes Australia must cultivate the future of agriculture by providing the industry with sufficient graduates from agricultural, rural science and related courses. Graduates are needed to drive excellence in agricultural management and research and to facilitate continuing innovation, so essential to the future of agriculture in this country. This is increasingly important as farming becomes more complex. Furthermore, a future shortfall of a University educated workforce has been identified as a key impediment to increasing the productivity of Australian agriculture.

Therefore the Association held a Roundtable on 2 July 2007 to start a stakeholder conversation about a strategic approach to tackle this issue.

While recognising that this meeting was a starting point, the Roundtable did highlight the crisis Universities are in, due to low student numbers. An urgent campaign response is required in the run up to the federal election.

The general consensus of the Roundtable was to progress a formal Alliance to address this crisis.

The Roundtable recommended several areas for a future Alliance to consider. These are detailed under 'key outcomes'. Broadly they can be summarised as the increasing disconnect between rural and urban Australia putting pressure on the number of people who choose agriculture as their preferred career.

Yours sincerely

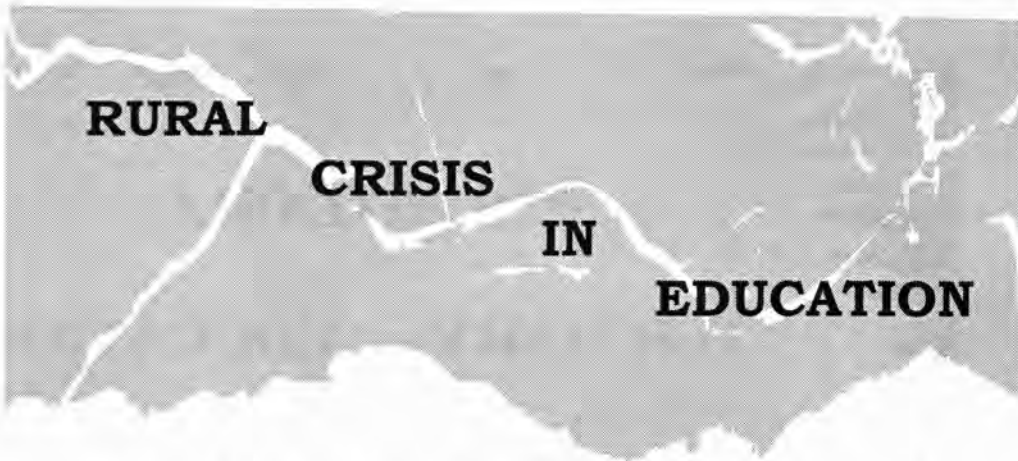
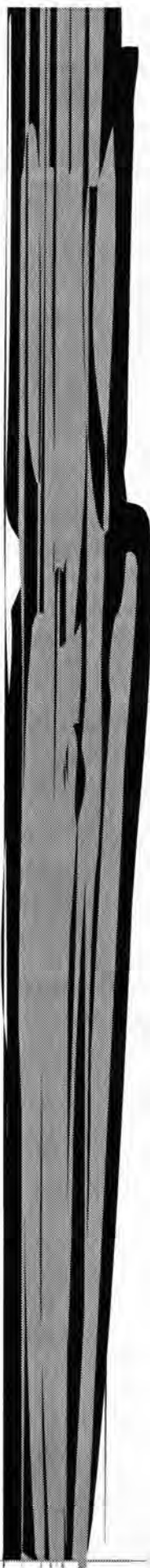
Alan Brown
Chairman Rural Affairs Committee
NSW Farmers' Association

17 July 2007

^ The Association was involved in this 'Round Table' discussion on Tertiary Education.

^ The situation with Agriculture in secondary schools was 'tabled' and discussed throughout the meeting.

Tony



RURAL CRISIS IN EDUCATION

"Rural crisis: Unis need more students"

Rachel Lebihan

**Australian Financial Review (Abstracts)
2 July 2007 (General News, p.3)**

Ten universities have formed the Australian Council of Deans of Agriculture to try to improve student recruitment into agricultural science programs, in the wake of figures showing enrolments in agriculture courses over five years.

The Department of Education predicts a 35 percent shortfall in the number of skilled scientists, including agriculture scientists, in the next five to 10 years.

At the University of Sydney, the Faculty of Agriculture, Food and Natural Resources has not recovered from a 10 percent fall in enrolments in 2005, while the University of Melbourne's Faculty of Land and Food Resources missed its enrolment target of 800 by around 50 this year, having had 822 enrol last year and 1043 in 2005.

Jim Pratley, a professor at Charles Sturt University and secretary-treasurer of the new council, said agriculture was perceived as being in decline, with limited career prospects.



Surge in Demand for Ag Qualifications

Wednesday, 17 October 2007

Demand for people with agricultural and natural resources management (NRM) qualifications is expected to rise by 36pc over the next six years, according to research from the University of Sydney.

The research results come at a time when many tertiary institutions have been severely pruning agriculture course staff numbers.



The research has been carried out by the Faculty of Agriculture, Food and Natural Resources.

The plan is to explore the current and future landscape for graduate employment in the Australian agribusiness and NRM sector.

Sources include interviews with agriculture recruitment firms, agriculture employers, published records and key influencers in Australia's agriculture and NRM sector.

"Australia's agricultural sector is facing seismic challenges from climate change," Professor Les Copeland, Dean of Sydney University's Faculty of Agriculture, Food and Natural Resources, says.

"This has been spurred on by the drive to sustainability and the corrosive effects of the country's skills shortage.

"It is clear that climate change will pose an increasingly complex landscape for the sector.

"That's both from an operational and regulatory standpoint.

"The farming and NRM sector's responses to this complexity will require an infusion of scientific and policy skill.

"In light of these macro challenges, we believe that over the coming decade Australia's agriculture sector will experience an almost unquenchable thirst for graduates from a range of agricultural disciplines," Professor Copeland said.





Surge in Demand for Ag Qualifications

Key findings:

- * A 36pc increase in agricultural jobs equates to another 123,000 agriculture-related jobs added to the

Australian economy over the next six years.

- * The potential of biofuels to reduce greenhouse gas emissions and to provide greater fuel security for Australia, will require the skills of young people with a range of agricultural and natural resource management qualifications.

- * In the horticulture industry alone, the opportunities for skilled graduates are extensive and continue to expand.

- * Horticulture, a \$7 billion/year industry, is the fastest-growing sector in the Australian agricultural sector, with 17,273 enterprises.

- * While graduate starting salaries range up to \$55,000 a year, recruitment firms report that graduates often secure higher remunerative packages to relocate to rural and regional areas and enjoy a range of overseas opportunities.

- * Almost all graduates from Sydney University's Faculty of Agriculture, Food and Natural Resources are offered jobs before they complete their course.

The research findings will be presented later this week in Canberra to a meeting of the Australian Council of Deans of Agriculture.

The meeting will represent the Universities of Sydney, Adelaide, Charles Sturt, La Trobe, Melbourne, New England, Queensland, Tasmania and Western Australia.

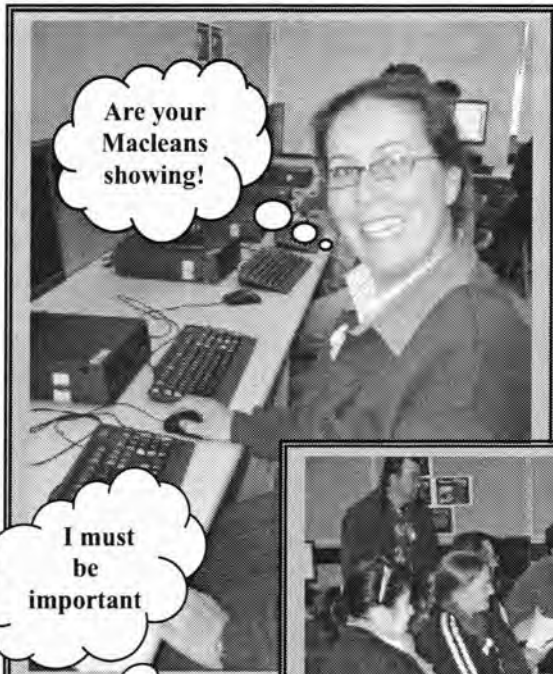
The findings are also supported by the Australian Institute of Agricultural Science which has set up a Special Interest Group on Agricultural Education.

It is actively championing the need for human capital development in Agriculture and natural resource management.

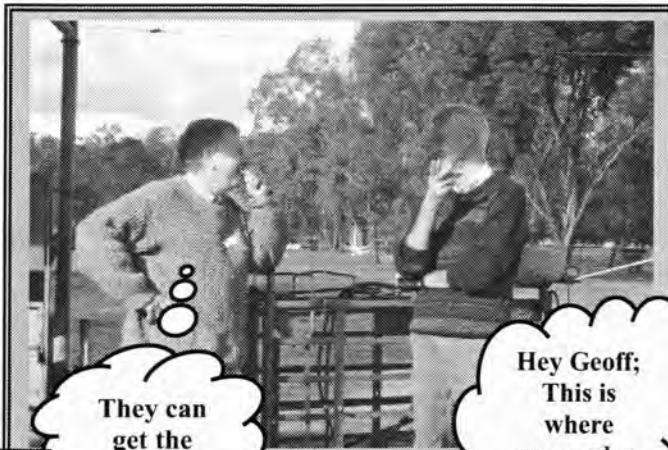
SOURCE: Breaking national news from Rural Press weekly agricultural papers, updated daily on FarmOnline.

Gordon Griffin
Education & Training Adviser -
Victoria
Rural Skills Australia
PO Box 163 Shepparton Vic 3630
Ph: 03 58211522
Mobile: 0417 361632





Are your Macleans showing!



They can get the sheen in

Hey Geoff; This is where we need a dog



I must be important

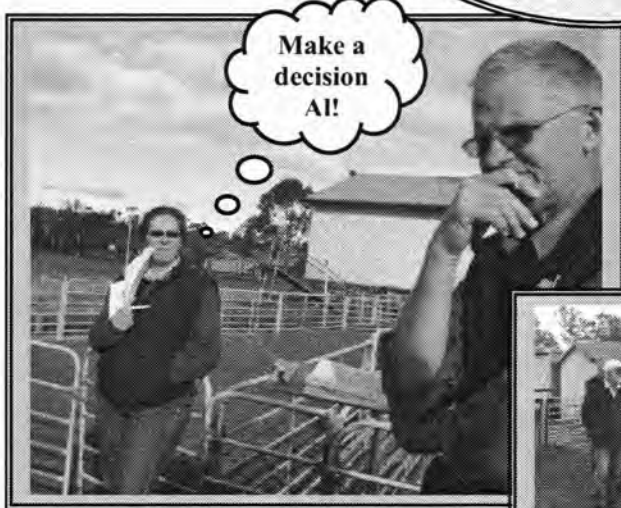


Eh fellas. Where are the sheep?

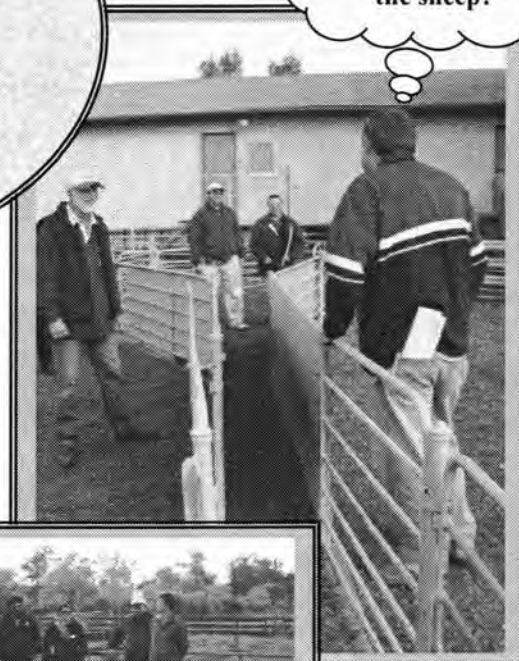


PRIMARY INDUSTRIES NETWORKING DAY

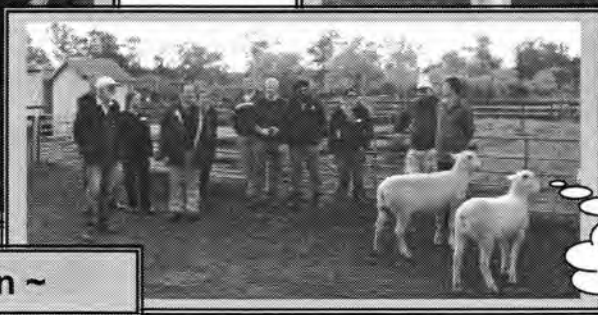
YANCO AG. HIGH SCHOOL
JUNE 2007



Make a decision Al!

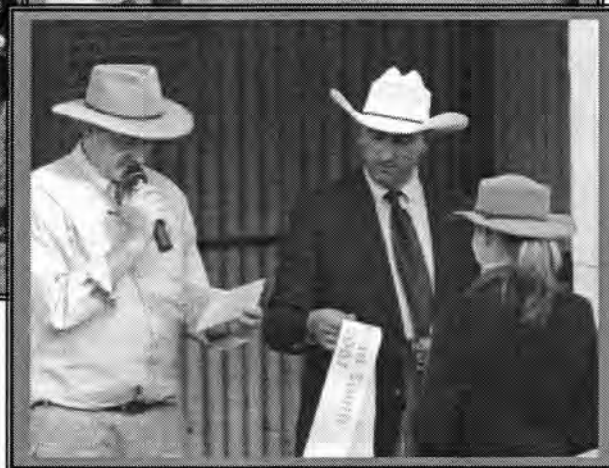
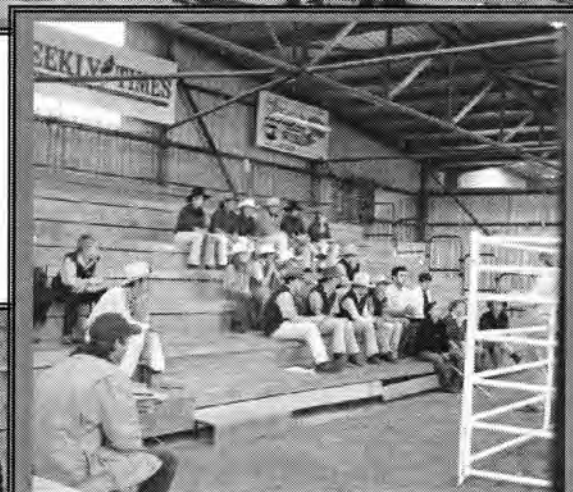


Just like the kids



~ Assessment Validation ~

Junior Judging & Cattle Parading



Wodonga

Primary Industries Showcase Day



Recently the Southern Riverina Plains Local Community Partnership (SRPLCP) in conjunction with BVET ran an introductory day to showcase agricultural careers, skills and technologies to Year 10 students who have elected Primary Industries for next year. Sixty students from Balranald, Tooleybuc, Barham, Finley and Deniliquin gathered at the DPI farm in Deni.

Some of the activities students were involved in included irrigation demonstrations, crutching, career surveys and pathways; GPS guided tractor driving,



rice milling displays and ATV riding. Students then elected to spend the afternoon on various activities including milking at a dairy, vaccinating cattle, auctioneering at the saleyards, working with machinery and visiting forestry.



Representatives from TAFE, universities, Ag colleges, Sunrice, Murray Irrigation and the farming community spoke to the group as did Jon Gatacre from the TV program "Farmer Wants a Wife".

It was a great experience for students and hopefully stimulated their interest and expanded their view of Primary Industries.



Success in Steer Showing



SELECTING THE PERFECT STEER



WRITTEN BY:

Ben Toll

St John's College
Dubbo

Selecting the Perfect Steer

Ben Toll is the man behind the successful St John's College show team. Here he offers a written and visual standard for the perfect exhibition steer.

From an educational perspective the ideal exhibition live steer can be described as requiring six basic components, outlined in the following equation.

Ideal exhibition live steer =
M + F + T + G + S + P
Muscularity + Fatness + Temperament + Growth + Structure + Presence

Led steers can be judged using the above-mentioned components with regards to specific market category specifications. Live steer market categories are determined by weight. The weighting of each of the six components may vary depending on individual judges' preferences, for example, a carcass-oriented judge may place less significance on the structural features of a steer than a judge that breeds stud cattle. Outlined below are guidelines which we have used to successfully select and exhibit champion led steers.

1. Muscularity

A well-muscled steer in the range of B+ to A- generally obtains high scores for meat yield but still can be properly finished with fat cover.

Steers that are thick at the stifle, have a wide and elevated loin region with this degree of thickness extending from the loin through to the shoulders and into the forequarters are preferred.

2. Fatness

Fat Cover: Carcase results have indicated steers which are on the top end of the range for P8 and rib fat generally obtain more points on the hook for eating quality so it is important to allow sufficient time to correctly finish the steer on a suitable ration.

Fat distribution and evenness: Selecting steers which not only scan correctly on the P8 and rib but also feel and look as though they have an evenly distributed layer of fat. Refer to the NSW Department of Primary Industries website for muscle and fat scoring information.

3. Temperament

Avoiding steers that are flighty, stressed, unhealthy or aggressive can avoid poor performance in weight gains, minimise dark cutters and reduce the risk of injury and also makes for easier breaking in.

4. Structure

Much debate has occurred over the importance of structural features of an **exhibition steer**. Given the professionalism involved in the steer competitions and the high quality of the top-end exhibits at the major shows in Australia **to be really competitive and win the major award, you need to have a structurally sound, well balanced, performance steer.**

Some poorly structured can break down in long-term feedlot situations and for than reason may be avoided by feedlot buyers. However, a steer that does not track well in a show ring but has superior carcass attributes to its competitors may pose a dilemma for the judge.

5. Growth

A steer that has superior performance data may be selected above others. For example, if you have two similar steer the same age but one is 40kg heavier, it has performed better. This information may be displayed on the steer's breastplates or in the show catalogue. In the heavier classes, some judges prefer larger frame score animals. However, a larger frame score does not necessarily mean a heavier animal.

6. Presence

As we are talking about showing an exhibition animal **consideration should be given to the presentation and eye appeal of the steer.** Some steers simply walk proud and carry themselves better thereby almost demanding more attention.

Professional fitters can play a significant role in improving the appearance of the animal and this has no doubt been a deciding factor in livestock exhibitions worldwide.

Handlers also greatly influence the presentation of the animal and they should be selected and trained carefully.

Ideal Exhibition Live Steer

Pictorial Standard of Perfection

Muscularity
Well muscled over the whole body particularly the top line.
Ideally B+ to A- muscle score

Presence
Walks Proud.
Alert, well presented.
Has eye appeal.

Growth
Efficient Growth.
Performance in weight for age.
Suitable frame score

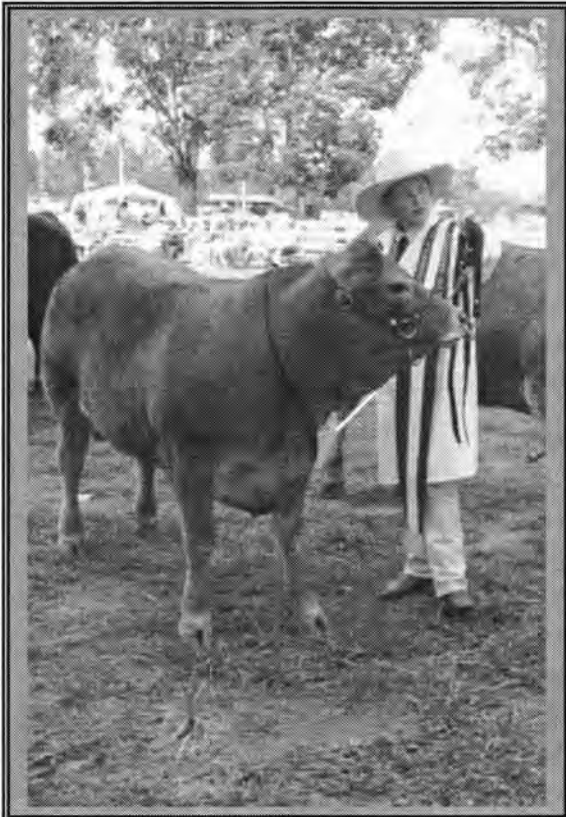


Temperament
Quiet, relaxed and unimpassioned (not lethargic)

Structure
Acceptable mobility.
Free moving, tracks well and correct skeletal angulations.

Fat / Finish
Ideally high end of range for P8 and Rib fat measurements with even fat distribution.

Grand champion led steer, Brisbane Royal Show 2004 exhibited by St Johns College, Dubbo. Bred by N and J Medd.



Permission was granted by
'Cattle Country' magazine
for the Association to reprint Ben's
article which appeared in the magazines
autumn 2007 edition.

The Association thanks
Ben Toll
for sharing his expertise and knowledge
in
'Selecting the Perfect Steer'

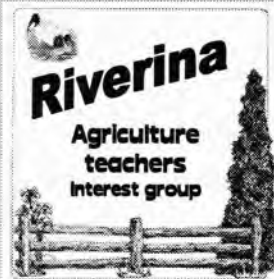
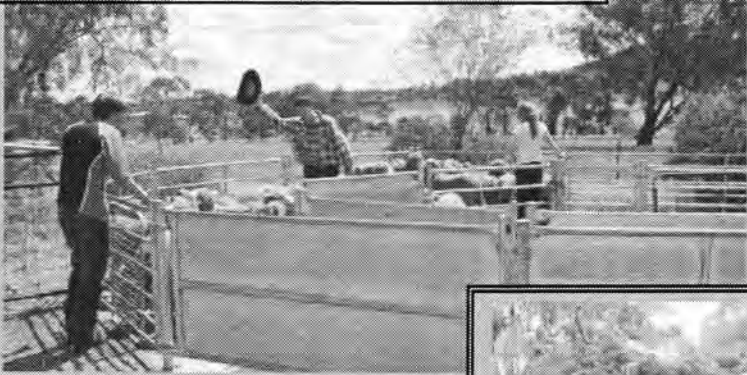
PRIMARY INDUSTRIES

GENERAL AGRICULTURE

RIVERINA



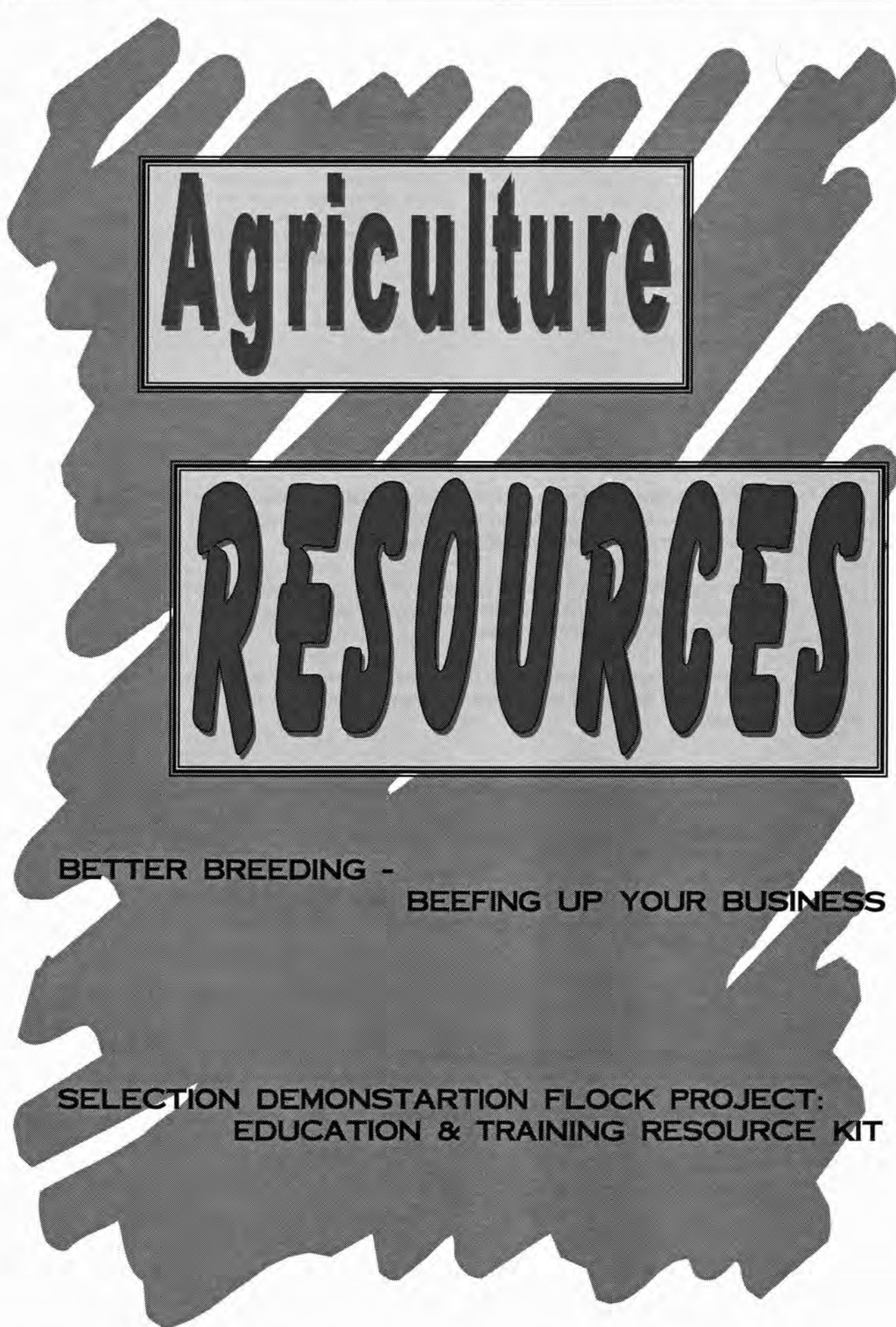
Nail biting stuff!!



Aggies hard at it;
networking & validation of assessment



Basic first aid



Agriculture

RESOURCES

BETTER BREEDING -

BEEFING UP YOUR BUSINESS

**SELECTION DEMONSTRATION FLOCK PROJECT:
EDUCATION & TRAINING RESOURCE KIT**



NSW DEPARTMENT OF
PRIMARY INDUSTRIES

Albury District Office
PO Box 49
Albury NSW 2640
Australia

Telephone (02) 6051 7700
International 61 2 6051 7700
Facsimile (02) 6041 6499
International 61 2 6041 6499
<http://www.dpi.nsw.gov.au>

Mr Tony Butler
Bogong Place
Tumut NSW 2720
16th October 2007

Dear Tony

Re: Better Breeding – Beefing up your Business

NSW DPI has recently released a new DVD package entitled 'Better Breeding – Beefing up your Business'. It is designed to give beef producers and students of the beef industry practical information on managing a beef breeding herd.

The package follows thirteen producers as they discuss the way they select and breed cattle and manage the herd. It covers producers supplying a range of beef markets, and running cattle in a range of environments.

Each producer takes you onto their farm. They discuss their cattle breeding and show the environment they farm in and the cattle they have bred to perform in these environments.

The package contains a DVD Rom of the interviews and written technical information to support what the producers discuss. This disc is playable on a computer.

A second disc is a DVD, playable through a DVD player onto a television or through a data projector onto a bigger screen.

I have included a sample of the package for your information. This contains the DVD Rom, and allows you access to just a few of the producers. It should give you a feel for the package.

The full package is available from the NSW DPI bookshop and can be ordered by telephoning 1800 028 374. The cost is \$29.95 plus postage.

I hope this package is useful to you and your students.

All the best

Brian Cumming
Livestock Officer – Beef Cattle

ORDER FORM

TELEPHONE ORDERS TOLL FREE - 1800 028 374

Have your Mastercard/Visa/Bankcard with you when you phone.

FAX ORDERS

Call our toll free number 1800 642 065 or send the completed form.

POSTAL ORDERS

Fill out the order form and send to:

Bookshop Orange Agricultural Institute, Forest Road, ORANGE NSW 2800

Overseas postage - surface or airmail - will be charged at cost.

VISIT OUR WEBSITE

Email the bookshop at: bookshop@dpi.nsw.gov.au

REFUNDS AND RETURNS

Publications that are faulty or damaged in transit may be returned to the bookshop for replacement or refund. For all other returns the publication must be in original condition and returned within 21 days of despatch.

ORDER FORM (PLEASE PRINT)

Please send me the **'Better Breeding - Beefing up your Business'** multimedia package.

Note: allow 7 to 14 days for delivery.

Quantity	Price (\$) each	Handling, Post and Packing.	Total (\$)
	\$29.95	1-2 items \$6.00 3-5 items \$8.00 More than 5 items \$10.00	
Total Price including postage \$			

FOR 24 HOUR ANSWERING SERVICE RING 1800 028 374 OR FAX 1800 642 065
Customer Enquiries (02) 6391 3994

Payment Details

Enclose cheque/money order in payment (cheque payable to: NSW Department of Primary Industries).

Please charge my: ☐ Bankcard ☐ VISA ☐ Mastercard ☐ American Express

Expiry Date:/...../.....

Card Number

Signature Date

Delivery details: (please print)

Name

Address

Town

Postcode Phone (.....) Fax (.....)



**Rope halter
making**



NSW DPI

SAMPLE PACKAGE

Better Breeding Beefing up your Business

Developing a profitable breeding plan for your beef herd



PROfarm



03 October 2007

Mr Tony BUTLER
Agriculture Teacher
Tumut High School
PO Box 70
TUMUT NSW 2720

Dear Tony

Selection Demonstration Flock Project: Education and Training Resource Kit

As you may be aware, the Selection Demonstration Flock project funded by Australian Wool Innovation and the South Australian Research and Development Institute has concluded.

This landmark project evaluated different breeding methods used in the Merino industry in a large-scale study at Turretfield, SA. It found that while all breeding methods can make good genetic progress, there is one approach that is well out in front in the profitability stakes.

To communicate the results and success of the project to students of agriculture and veterinary science, an education and training resource kit has been produced for inclusion in the teaching syllabus.

Australian Wool Innovation recognises that this project is unique in exploring various breeding objectives and methods over a ten year period, providing an insight into how woolgrowers are using different breeding methods on-farm to improve profits.

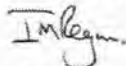
The project provides a particularly interesting insight into the use of technology and tradition in animal breeding and selection.

This kit contains:

- 5 copies of 'Merino Breeding for Profit' a summary brochure of the project
- The final report from the SDF Project
- A CD Rom which includes a set of PowerPoint slides with graphics and images that analyse the project's results as well as the economic gains for particular methods.
- Footage of the project as it progressed at Turretfield.
- An audio interview with Dr Forbes Brien, SARDI's principal research scientist for Livestock, Breeding and Genetics.

The brochure has been distributed nationally to woolgrowers and advisors. If you would like any additional free copies, please call the AWI hotline: 1800 070 099

Yours sincerely,



Ian Rogan
General Manager- Wool Production

Level 5, 16-20 Barrack Street, Sydney NSW 2000 • GPO Box 4177 Sydney NSW 2001

• Tel +61 2 9299 5155 • Fax +61 2 9299 9880 • www.woolinnovation.com.au

ABN 12 005 165 558

CD RM audio and audio-visual files

This kit contains two audio files to complement the presentation

- The first file is audio-visual footage of the project as it progressed at Turretfield. This provides an insight into the site, the environment and conduct of the project.
- The second file is an audio interview with Dr Forbes Brien, SARDI's Principal Research Scientist for Livestock, Breeding and Genetics.

Dr Brien describes how and why the project was established (to investigate an area of industry contention). He also describes the relevance of the project – he says while it was conducted in South Australia, it has implications for woolgrowers across Australia.

(in words) "Yes, the work was done with South Australian animals...
(out words).....as a confirmation.

Duration: 3'11"

Dr Forbes Brien, SARDI's principal research scientist for Livestock, Breeding and Genetics.

If you require further information about the contents of this kit, please contact Suzanne Laing 02 8204 3853 or David Dawson 02 8204 3857

Merino Breeding for Profit



Education Resource



• australian wool
innovation
• limited



From: Yvette Cunningham [Yvette.Cunningham@csiro.au]
Sent: Thursday, November 08, 2007 3:14 PM
To: iltl@bigpond.net.au
Subject: Cotton CRC Industry News



Cotton CRC eNews



[Visit our Website!](#) | [Contact Us](#) | [Whats New](#) | [November 2007](#)

In This Issue:

- [Cotton CRC 2006-07 Annual R...](#)
- [New CEO for the Cotton CRC](#)
- [Visiting Cotton Regions of...](#)
- [Efficient Use of Nitrog...](#)
- [New Cotton & Grain Website](#)
- [Whats on the Web...](#)
- [Highlighting Student Pr...](#)
- [Growth Agriculture Pty ...](#)
- [Cotton in the Burdekin](#)
- [Macquarie Marsh Book La...](#)

Cotton CRC 2006-07 Annual Report Available

Now



The 2006-2007 Cotton Catchment Communities Annual Report highlights the year's achievements, activities and highlights.

New CEO for the Cotton CRC



Philip Armytage has been appointed the new CEO of the Cotton Catchment Communities CRC (Cotton CRC), replacing Guy Roth who recently resigned to take up a key position with the National Program for Sustainable Irrigation.

[more >](#)

Visiting Cotton Regions of West Africa and Brazil



Two of the CRC's senior research scientists recently visited overseas countries which compete with Australia in world cotton markets. Their impressions are given in this story.

[more >](#)

Efficient Use of Nitrogen Fertiliser

One of the cotton industry's goals is to ensure that inputs such as nitrogen (N) fertiliser are used efficiently. Nitrogen fertiliser prices have risen recently, as the cost of N fertiliser manufacture is closely linked to oil prices. N fertiliser manufacture requires a high input of energy; often natural gas is used. Thus, N fertiliser manufacture also contributes to our greenhouse gas emissions. Many growers wonder how efficiently the N fertiliser they apply is used.

[more >](#)

New Cotton & Grain Website

A new website has been launched to improve the creation and transfer of irrigation knowledge to the cotton and grains industries. The new website has been constructed as part of the Cotton Catchment Communities CRC (Cotton CRC) 'Cotton and Grains Irrigation Knowledge Management' project. Visit the exciting new site at www.cottonandgrains.irrigationfutures.org.au

For More Information please contact David Wigginton on (07) 4631-1711 or david.wigginton@usq.edu.au

[more >](#)

Whats on the Web...

[Weather Station](#)

[Crop Development Tool](#)

[Weed identification Tool](#)

[Water Quality Calculator](#)

Highlighting Student Projects



James Quilty, a PhD student at The University of Sydney is looking at the effects of a range of organic amendments on topsoil, with a particular focus on change in soil structure, biology and organic carbon, is underway in the Macquarie and Lachlan valleys.

[more>](#)

Growth Agriculture Pty Ltd & Cotton CRC Join Forces



The Cotton CRC has joined forces with Growth Agriculture Pty Ltd, a Wee Waa based business to commercially develop an exciting new insect management technology.

Research conducted by Dr Robert Mensah and the Semiochemical project team of NSW DPI and funded through the Cotton CRC has led to the discovery of behaviour modifying plant extracts that are capable of managing cotton pests.

For more information please contact Robert Mensah on 02 6799 1525 or Kerry Watts on 02 6795 3787 or 0428 211 113.

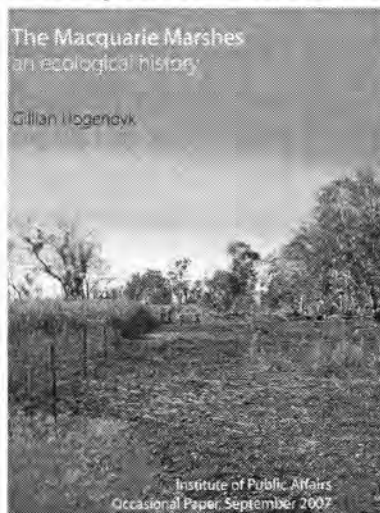
[more >](#)

Cotton in the Burdekin

In the Burdekin is the unbridled enthusiasm amongst an ever increasing pool of cane growers to try cotton growing. Yet due to the lack of basic agronomic information that exists, Dr Paul Grundy has moved to the Burdekin to investigate whether cotton could be integrated with sugar cane. For more information please contact Paul on paul.grundy@dpi.qld.gov.au

[more >](#)

Macquarie Marsh Book Launch



Macquarie River Food and Fibre hosted the launch of the occasional paper 'The Macquarie Marshes: an ecological history' by Gillian Hogendyk at "Burrima" in the Macquarie Marshes on the 26th September.

The paper hopes to raise awareness that the marshes are suffering from a complex range of land degradation issues to which there is no simple solution.

[more >](#)

If you wish to remove yourself from future CottonCRC Industry E- News please click the [Unsubscribe](#) link. Please note this newsletter tracks information for our management team to continuously improve our content.

 [Send to a Friend](#)

14 November 2007

Member Service Centre 1300 794 000

online@nswfarmers.org.au

Holiday break for drought-stricken farmers

NRMA Motoring & Services and the NSW Farmers' Association have announced a joint relief program to give away free holidays to farming families affected by the country's devastating drought.

President Jock Laurie and NRMA Director Graham Blight launched the Helping Farming Families Program in Sydney today, and said NSW and ACT farming families have the chance to escape from the daily grind with 1250 nights of free accommodation available at any one of NRMA's five Holiday Parks. [Click here](#) for more.

Call for Letters to the Editor

Members are encouraged to submit Letters to the Editor of The Farm Post, with the next edition due out in The Land on 6 December.

The Farm Post has a large readership which includes politicians and government, and is an excellent forum to express your views or concerns regarding rural issues.

Please send your letters by next Monday 19 November to Amanda Barwick, PO BOX 22, Warialda 2402, email barwicka@nswfarmers.org.au or fax 67291 960.

Rural Wage Guide

The Industrial Association is receiving a number of queries from Members regarding the recent wage increases contained in the Rural Wage Guide 57.

These rates apply to unincorporated businesses such as sole traders and partnerships only, which the Association estimates is approximately 80-90% of members.

The rates for incorporated businesses are available separately at www.iressentials.com.au or by contacting the Industrial Association on 1300 794 000.

[Click here](#) for more information on the Rural Wage Guide rates.

Call for members to provide feedback on Constitution review

The NSW Farmers' Association's Constitutional Review Taskforce has undertaken a review of the Association's Constitution to bring it into the 21st Century by making it plain English and ensure it complies with relevant legislation and regulations.

The Taskforce is seeking feedback from Members, along with any further matters that would improve the operation of the Association before it reports to Executive Council in March 2008.

Please [click here](#) to review the Constitution, read the revised plain English version or give feedback and suggestions.

North Coast hail damage help

The NSW Farmers' Association is welcoming the NSW Government's announcement of Natural Disaster Relief Assistance for North Coast farmers affected by the recent hail storms in that region.

The assistance comes in the form of loans of up to \$130,000, at 2.85 per cent interest per annum with a two-year interest free and repayment free period. [Click here for more.](#)

Farmbis feedback needed

NSW Farmers' Association members are encouraged to have their say on the business training needs of the industry, with Farmbis now available again in NSW.

Farmbis Networker Gerard McEvilly is based in the NSW Farmers' Association's Sydney office and is keen for feedback from members about the types of training on offer. Email gerard.mcevilly@daff.gov.au.

To check on course availability head to the Farmbis website http://www.farmbis.com.au/approved_courses.asp or for advice regarding the administration and eligibility of training call 1800 195 543.

Association training courses

For information about training, dates and locations, please email training@nswfarmers.org.au. Please note that registration in Chemical Card or Senior First Aid is required 7 days prior to the workshop date to allow for delivery of home study materials.

Upcoming Region Specific Meetings & Events

Region 1 – North West

14 Nov - Pilliga - Centrelink Drought Bus, 9.30am - 4.30pm
17 Nov - Inverell - Goat Field Day, from 9am at the Inverell Showground
20 Nov - Inverell - Centrelink Drought Bus, 9.30am - 4.30pm
21 Nov - Ashford - Centrelink Drought Bus, 9.30am - 4.30pm

For more information contact Alicia Wilson on 6766 9946

Region 2 – New England

14 Nov – Legume - Weeds Identification Day. Legume Hall 10-3pm. In conjunction with DPI.
1 Dec – Wollomombi - Farm Family Gathering BBQ lunch and entertainment (FREE). Great chance to have a Community get together before Christmas.

For more information call Regional Service Manager Gennie Gittoes on 0429180560

Region 3 – Central and North West

16 Nov - Mudgee- Carbon Farming Expo & Conference- Australian Rural Education Centre. Contact Louisa 6374 0329
24 Nov - Coonamble- Farm Family Gathering. Contact Pip 6881 1266
4 Dec - Dubbo – Farm Succession Planning- 9 to 4.00pm. Contact Robyn 6884 8822

10 Dec - Dubbo- Chemical Card, Initial 8.30am & Refresher course 1.30pm. Contact Robyn 6884 8822

For more information contact Rick Bremner on 6845 3842

Region 4 – Lower New England and Liverpool Plains

22 Nov - Tamworth District Council's Christmas Gathering, City Bowling Club, Napier Street, Tamworth. \$18.50 per head for 2 course meal and entertainment. RSVP by 19 November to Laurie Chaffey 6769 7583.

For more information contact Darren Greentree on 0427 411 214

Region 6 – Central West Tablelands

9 Dec - Farm Family Day in Orange. All farmers in Central West and Lachlan invited.

For more information contact Graham Blatch on 6366 9104.

Region 7 – Sydney Basin

3 Dec – Cobbitty - Camden Horticulture Branch Meeting, 5.30 pm tour of Uni Sydney PBI followed by 7.30pm meeting. Contact Glenn Fahey 0408 426 061

3 Dec– Pokolbin - Farm succession planning, NSW Farmers' Association Training PH: 6884 8822

For more information on Region 7 events contact Regional Services Manager Frances Vella on 0428 228 818

Region 8 – Lower Central West and Slopes

For more information on any events in Region 8 contact RSM Geoff Knight on 6369 1701

Region 9 – Southern Murrumbidgee

22 Nov (Confirmed) - Griffith DC - Drought Assistance Meeting. Griffith Exies - Guest Rody O'Grady from Centrelink Rural Team

For more information on any events in Region 9 contact Ben Poynter on 6962 9926

Region 10 - Southern Central

15 Nov – Junee – DPI women's pamper day, St Lukes Church, RSVP essential to Lorraine 6924 1825.

19 Nov – Wodonga - Latest Techniques to Manage Catchments forum, Three Monkey's Tavern, 8:30–4:00, RSVP Paula Charnock 6938 1923.

1 Dec – Coolamon – drought gathering, featuring Graham Connors, local Coolamon shire residents welcome.

For information on any events in Region 10 contact RSM Deb Charlton on 6922 9297.

Region 11 – Southern Tablelands, Monaro, South Coast

15 Nov - Nowra - "Shoalhaven Clean Water, Healthy Community Forum" 5.30pm
RSVP Lyn Desoto-Southwell Ph: 0405 339913

19 Nov- Bega - Free Workcover 'Managing for Safety' workshop, 9.30am-2.00pm

30 Nov- Queanbeyan - Free Workcover 'Managing For Safety', 9.30am-2.00pm

For more information visit the Region 11 Webpage or contact Liz Young on 6453 7111.

Region 12- Western Division

14 Nov – Bourke - Climate Change Forum. For more information call the Western CMA on 0268 722 144.

17 Nov - Hatfield Hall - Grease Lightning Ball. For ticket sale or inquires please contact Amber Croft on 03) 50206873.

30 Nov - Oxley/Booligal Branch Meeting/Farm Family Gathering at the Booligal Hall, 3:30pm. For more information call Helen Morphett on (02) 69 938 157. Farm Family Gathering at the Booligal Pub, with food provided by Danny Byrnes, Drought Support Worker. "Drinks on us" complements of NSWFA for part of the evening.

For more information contact Regional Service Manager Dougall Roberts on 0428 411 221.

Region 13 – North Coast

19 Nov – Casino - Free Financial Skills Workshops for young farmers, 8.30am start, Please contact Robyn at NSWFA training on 68848822

20 Nov – Grafton - Free Financial and Business Skills Training for young farmers, 8.30am start, Please contact Robyn at NSWFA training on 68848822

21 Nov – Wauchope - Free Financial Skills Workshops for young farmers, 8.30am start, Please contact Robyn at NSWFA training on 68848822

22 Nov – Kempsey Chemical Card

For information on any events in Region 13 contact RSM Michael Burt on 6564 2355

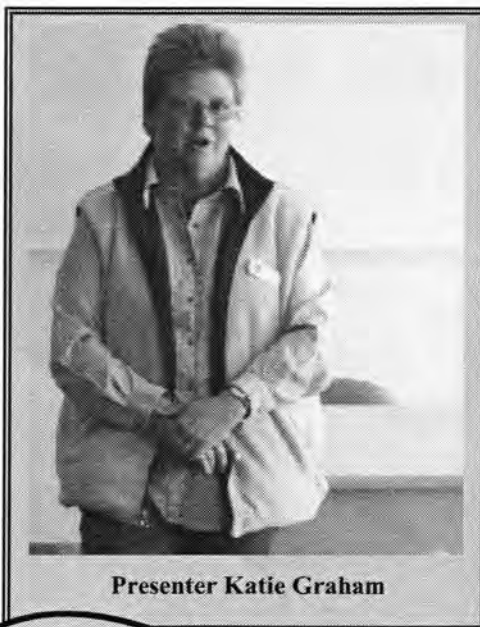
**PRIMARY
INDUSTRIES**

**HSC
STUDY DAY**

RIVERINA

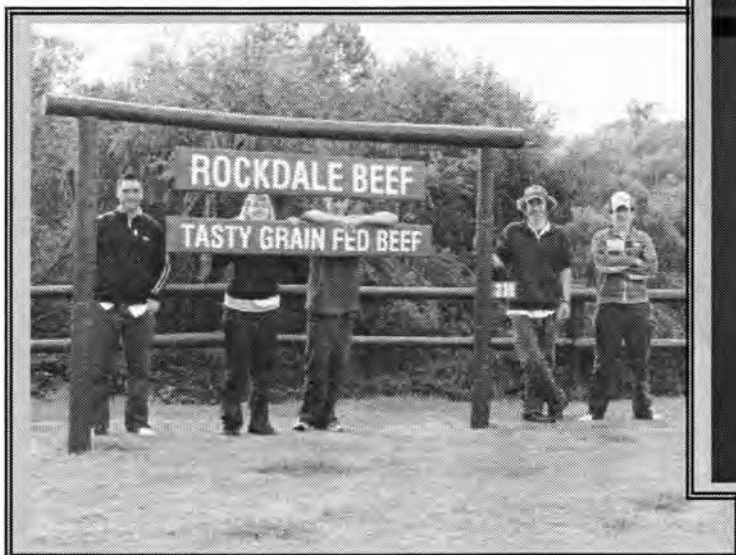


Graham Levitt(DVEC), Katie Graham(Oberon High),
Aaron Flagg(Griffith High), Allan McMillan(Wagga Wagga High)



Presenter Katie Graham

Students of the Riverina are very
appreciative to Katie for
presenting the PI HSC study day



THE AUSTRALIAN COLLABORATION

A Collaboration of National Community Organisations

5 St Vincent Place, Albert Park, VIC 3206 • tel: (03) 9645 7977 • email: enquiries@tya.org.au • www.australiancollaboration.com.au

4 July 2007

Tony Butler
NSW Association of Agriculture Teachers
Tumut High School
Bogong Place Tumut NSW 2720

Dear Tony,

I am writing to draw to your attention a range of free web educational resources prepared by the Australian Collaboration. These materials include:

- Over 30 Fact and Issue Sheets on a wide range of societal and environmental topics;
- Democracy Watch drawing attention to threats to and ways of enhancing democracy in Australia; and
- Reference Sources listing key national and international web sources of statistical and other information related to some 20 different topic areas.
(See: <http://www.australiancollaboration.com.au>)

I enclose copies of the brochure describing the materials. We have had a remarkable response from teachers. Some of the many comments have been:

We would love (more brochures on) the fact sheets – students are working on some now in classes and finding them terrific for higher order thinking.

What a fantastic resource you have developed! I am a secondary school geography teacher in NSW and so many of your themes and so much of your information is relevant to the curriculum I teach. Thank you, thank you, thank you!

I just want to let you know how great your resources are. I've been teaching for ... well for many yrs and am delighted to find concise information re Australian society to support my teaching.

We are keen to let your members know about these free web resources. Some possible actions might be:

- To send you further copies of the brochure for your general use or for distribution together with other material you may be circulating;
- To prepare an article for your newsletter; and
- To send you batches of brochures for distribution at any conferences you may be holding.

If these options are of interest please let me know.

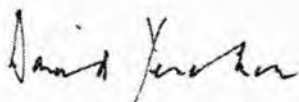
Over the next six months we will also be developing work sheets for the Fact and Issue Sheets to extend their use.

The Australian Collaboration

The Australian Collaboration is a consortium of seven national community (nonprofit) organizations. The member bodies are:

- Australian Council of Social Service (ACOSS);
- Australian Conservation Foundation (ACF);
- Australian Council for International Development (ACFID);
- Choice (Australian Consumers Association);
- Federation of Ethnic Communities' Councils of Australia (FECCA);
- National Council of Churches in Australia (NCCA); and
- Trust for Young Australians (TYA).

Yours sincerely



Professor Emeritus David Yencken AO
Chair, Australian Collaboration
5 St Vincent Place Albert Park
Victoria 3206
Tel 61 3 9696 7223 Fax 61 3 9690 9740
email: dyencken@ozemail.com.au

Free Educational Resources on the Web

➤ FACT SHEETS

Containing some thirty concise Fact Sheets dealing with societal and environmental issues of significance to Australia *(See following page for list of topics.)*

➤ DEMOCRACY WATCH

Describing key characteristics of an open and democratic society and threats to democracy in Australia.

➤ REFERENCE SOURCES

Providing a list of significant web references related to a wide range of topics *(See following pages for list of topics.)*

.....
"... the knowledge base for a sustainable future. Essential reading for every teacher, tertiary and senior student and committed citizen."

Professor John Fien, educationalist and UNESCO advisor
.....

These free information and educational resources have been prepared by the Australian Collaboration. The Australian Collaboration is a consortium of national community (nonprofit) organisations.

The Australian Collaboration also carries out research and publishes books and reports.

T H E A U S T R A L I A N C O L L A B O R A T I O N

A Collaboration of National Community Organisations

➤ FACT SHEETS AVAILABLE FOR DOWNLOADING

.....
 "These fact sheets are an invaluable resource for teachers and students in a range of studies and a wonderful supplement to current texts and materials." Lynn Broadway, Deputy Principal, Melbourne Girls Grammar

Overarching issues

- Environmental, social and economic sustainability
- The long term
- Australian societal values

Characteristics of Australian society

- Population - facts and issues
- Migration – facts and issues
- A multicultural Australia
- Religion in Australia

Culture

- The role of the arts
- The heritage of Australia

Economics

- Living standards, economic growth and environmental pressure
- Behavioural economics

Climate change

- Climate change: basic science and background
- Common misconceptions about climate change
- Climate change: recent scientific findings
- Energy issues in Australia
- Future clean energy alternatives

Biodiversity, land degradation and water

- Biodiversity
- Rural water
- Urban water supply and use

Government and business

- The role of Government
- The rule of law
- Regulation
- Accountability

Human wellbeing and fairness

- Causes of poverty
- A fair Australia

Indigenous Australia

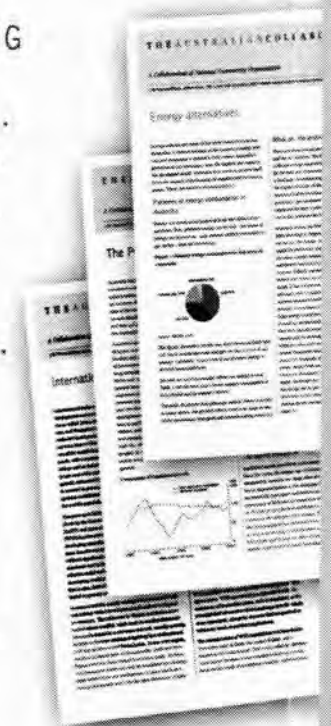
- Indigenous Australians
- Misconceptions about Indigenous people

International priorities

- Global poverty
- International Trade Justice
- Peace, armed conflict and violence
- Climate change (see fact sheets above)

The fact sheets are written and peer reviewed by highly qualified researchers and are regularly updated.

<http://www.australiancollaboration.com.au>



► DEMOCRACY WATCH

- sets out characteristics of an open and democratic society that are of critical importance to protect and further develop;
- lists current threats and persistent issues affecting civil liberties, human rights and other freedoms in federal and state jurisdictions; and
- includes measures for deepening and strengthening democracy in Australia.

Democracy Watch seeks to stimulate debate about democracy and to make a constructive contribution to the enhancement of democratic life in Australia. Democracy Watch is regularly reviewed and brought up to date.

W... the strong and vibrant democracy we have inherited should never be taken for granted.¹¹ Sir William Deane, former Governor General of Australia, speech on the Centenary of the Australian Parliament, May 2001.

► REFERENCE SOURCES

Reference Sources lists key web national and international sources of statistical and other information related to the themes shown below. The sources for each topic are accessed by clicking on the topic chosen.

General sources

- Overall trends in Australian society
- United Nations social development and environmental goals

Specific sources

- Armed conflict and peace – international
- Consumer information – national and international
- Crime and criminal justice – national and international
- Economy – national and international
- Environmental material and statistics - national
- Environmental material and statistics - international
- Indigenous statistics - national and international

- International aid – Australia and international
- Media and public broadcasting – national
- Migration – national and international
- Multicultural sources – national
- Opinion polls – trends in national priorities
- Population – national and international
- Refugees – national and international
- Religions and ecumenical – national and international
- Social statistics (jobs, education, health, housing, inequality and poverty) – national
- Social statistics (poverty, health, education) – international
- Youth information – national and international

<http://www.australiancollaboration.com.au>

RESEARCH

The Australian Collaboration's research includes 'Success in Aboriginal Organisations', a study of a diverse group of successful Indigenous organisations across the nation.

The purpose of the research is to focus attention on successful organisations and to draw out lessons that can be of use to other Indigenous organisations and to policy makers.

The Collaboration is working with the Australian Institute of Aboriginal and Torres Strait Islander Studies.

PUBLICATIONS

Books, essays and reports published by the Australian Collaboration include:

Books: *A Big Fix: Radical solutions for Australia's environmental crisis* by Ian Lowe; *How Ethical is Australia? An Examination of Australia's Record as a Global Citizen*, by Peter Singer and Tom Gregg; and *Into the Future: The Neglect of the Long Term in Australian Politics* by Ian Marsh and David Yencken.

Essays: *In Love Again? Economists and Environmentalists* by economist Richard Denniss.

Reports: *Which Direction? A review of monitoring and reporting in Australia*, by Andrew Macintosh and Debra Wilkinson and *A just and sustainable Australia* by David Yencken and Libby Porter.

THE AUSTRALIAN COLLABORATION

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Australian Council of Social Service (ACOSS);

Australian Conservation Foundation (ACF);

Australian Consumers' Association (ACA);

Australian Council for International Development (ACFID);

Federation of Ethnic Communities' Councils of Australia (FECCA);

National Council of Churches in Australia (NCCA); and

Trust for Young Australians (TYA).

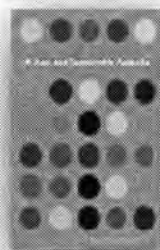
5 St Vincent Place, Albert Park, Victoria, Australia 3206

Tel: 61 3 9645 7977 / Fax: 61 3 96909740 / E-mail: enquiries@tya.org.au

This brochure has been prepared with the assistance of The Sidney Myer Fund.

A full description of the work of the Collaboration can be found on its web site:

<http://www.australiancollaboration.com.au>





Mr Tony Butler
NSW Assoc of Agriculture Teachers Inc
Tumut High School
Bogong Place
Tumut NSW 2720

Dear Mr Butler,

A guide to best practice husbandry in beef cattle – Branding, castration and dehorning

Enclosed for your reference are copies of the MLA publication, *A guide to best practice husbandry in beef cattle – Branding, castrating and dehorning*.

The national guide represents a proactive initiative by the Australian beef cattle industry to support and encourage widespread use of best practice on-farm with three common beef cattle husbandry procedures.

In addition, the national guide was developed to be technically robust, practical and adhere to the requirement of the *Australian Model Code of Practice for the Welfare of Animals: Cattle, 2nd Edition*. The Model Code of Practice is designed to ensure industry meets its duty of care under the various State and Territory animal welfare legislations.

The guide is aimed at promoting current best practice for both new industry entrants and experienced cattle producers.

The production of this guide has been a collaborative effort involving extensive consultation with a broad section of industry stakeholders including cattle industry bodies, veterinary schools, agricultural colleges and universities, experienced cattle producers, state government agriculture departments and the RSPCA.

Additional copies of the guide are available on request and it is also available electronically from www.mla.com.au/cattlehusbandry.

I trust you will find this guide provides practical, easy-to-follow advice to help your business. Feedback, comments and suggestions are welcome. If you have any queries relating to this guide please call MLA on 02 9463 9288.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Ian Johnsson', with a stylized flourish at the end.

Ian Johnsson
General Manager
Livestock Production and Innovation



A guide to best practice husbandry in beef cattle

Branding, castrating and dehorning



MEMBERSHIP LIST

	Sally	BANNERMAN	SACEC Support Officer	3A Smalls	Road Private Bag 3	RYDE	NSW	2112	SACEC
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Mr	John	KENT	School of Agriculture	Charles Sturt University		WAGGA WAGGA	NSW	2650	
Mr	John	HARPER	School of Agriculture	Charles Sturt University		WAGGA WAGGA	NSW	2650	
Title	Christian	Surname	School		Address	Town	State	Postcode	
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		Teacher of Agriculture	Dapto High School		Cleveland Road	DAPTO	NSW	2530	
		Teacher of Agriculture	Goulburn High School		132 Goldsmith St	GOULBURN	NSW	2580	
		Teacher of Agriculture	Hay Memorial High School		Pine St	HAY	NSW	2711	
		Teacher Of Agriculture	Monaro H. S.		P.O. Box 5316	COOMA	NSW	2630	
		Teacher of Agriculture	Albion Park High School		Church Street	ALBION PARK	NSW	2527	
		Teacher Of Agriculture	John Paul College		P.O. Box 1334	COFFS HARBOUR	NSW	2450	
		Teacher of Agriculture	St Paul's Grammar School		Locked Bag No 16	PENRITH	NSW	2751	
		Teacher of Agriculture	James Ruse A. H.S.		Felton Rd.	CARLINGFORD	NSW	2118	
		Teacher of Agriculture	Kingscliff H.S.		33 Oxford St.,	KINGSCLIFF	NSW	2487	
		Teacher of Agriculture	Mudgee H.S.		Douro St.,	MUDGEE	NSW	2850	
		Teacher of Agriculture	Narooma High School		7181 Princes Highway	NAROOMA	NSW	2546	
		Teacher of Agriculture	St. Joseph's		P.O. Box 12	ABERDEEN	NSW	2336	

	Teacher Of Agriculture	Tomaree High School	Salamander Way	Salamander Bay	NSW	2317
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	Bryon ADAMSON	Corowa High School	Redlands Road	COROWA	NSW	2646
Mr.	Peter ALCORN	Shoalhaven High School	PO Box 4041	EAST NOWRA	NSW	2541
Mr.	Bob ANDERSON	Knox Grammar School	Pacific Highway	WAHROONGA	NSW	2076
Mr	Charles ANDERSON	Xavier Catholic College	2 Redford Drive	SKENNARS HEAD	NSW	2478
Mr.	Graeme ANDERSON	TAFE Nth Wagga	P.O. Box 2144	WAGGA WAGGA	NSW	2650
Mr.	Phil ARMOUR	Yass H.S.	Locked Bag 1.	YASS	NSW	2582
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Mr.	Robert CAIN	Hay War Memorial H. S.	349 Leonard St	HAY	NSW	2711
Mr.	Carolyn CARDEN	St. Johns Park H.S.	24 Holliday AVE	BEROWRA HEIGHTS	NSW	2082
Mr	Charles CASTLES	Richmond High School	Lennox St.,	RICHMOND	NSW	2753
Mr.	Dale CHADWICK	Gundagai High School	Clarendon Cottage	GUNDAGAI	NSW	2722
Ms.	Megan CHANDLER	Narara Valley High S.	Fountaains Rd.,	NARARA	NSW	2250
Mrs.	Sue CHALLACOMBE	Clarence Valley Anglican S.	P.O. Box 500	GRAFTON	NSW	2460

Mr	Colin	HAWTHORN	Red Bend Catholic College	PO Box 312	Forbes	NSW	2340
Mr	Stuart	HEMMINGS	New England Regional Office	155-157 Marius St	TAMWORTH	NSW	2653
Miss	Belinda	HENDERSON	Tumbarumba High School	54 King St	TUMBARUMBA	NSW	2315
Mr	Robert	HENDERSON	Tomaree H.S.	PO Box 710	NELSON BAY	NSW	2530
Mr	Ian	HEFFERNAN	Dapto High School	Cleveland Rd	DAPTO	NSW	2580
	Jayne	HOFFMAN	Alstonville High School	Cawley Close	ALSTONVILLE	NSW	2477
Ms	Janet	HOLMES	Mulwaree High. School.	Mc Dermott Dr.	GOULBURN	NSW	2390
Mr	Peter	HOOD	Narrabri High School	2 Gibbons St.,	NARRABRI	NSW	2580
Ms	Sue	HOPE	Goulburn High School	Goldsmith St.,	GOULBURN	NSW	2630
Mr	Mark	Hopkins	Monaro H. S.	P.O. Box 5316	COOMA	NSW	2710
Mr	Peter	HUMPHRIES	Deniliquin H.S.	341 Henry St.,	DENILIKUIN	NSW	2360
Mr	Stuart	IRWIN	Inverell High School	Brae Street	INVERELL	NSW	2337
Mr.	Lachlan	JAMES	Scone Grammar school	P.O. Box 332	SCONE	NSW	2641
Mr.	David	JOHNSON	James Fallon High School	642 Briandale Rd.	LAVINGTON	NSW	2792
Mr.	Kennedy	JONES	Blayney H.S.	"Friarfields", Burn Yards	MANDURAMA	NSW	2453
Mr	Ian	JUDD	Dorrigo High School	Fernbrook Rd	DORRIGO	NSW	2620
Ms	Joan	KEIGER	Karabar High School	Donald Street	QUEANBEYAN	NSW	2541
Mr	Howard	KENNEDY	B.O.S.	GPO Box 5300	SYDNEY	NSW	2380
Ms	Pru	KESBY	St Mary's College	151 Bloomfield St	GUNNEDAH	NSW	2330
Mr.	Graeme	KIDD	St Catherines Cath. Col.	40 Queen St.	SINGLETON	NSW	2176
Mr	John	KILLEN	Bossley Park H.S.	Prairievale Rd	Bossley Park	NSW	2630
Mrs	Kristina	KING	Monaro H.S.	P.O. Box 5316	Cooma	NSW	2550
Mr	Terry	KIRBY	Bega H.S.	Upper St	BEGA	NSW	2590
Ms	Ilka	KLEPPER	Cootamundra High School	Poole Street	COOTAMUNDRA	NSW	2830
Mr	Owen	KNIGHT	Dubbo Christian School	PO Box 1216	DUBBO	NSW	2148
Mr	Mykel	KOLLER	Nagle College	58a Orwell St	BLACKTOWN STH	NSW	2800
Mr	David	LAMROCK	Orange Field Days Co-op	P.O.Box 2150	ORANGE	NSW	2650
Mr	Steve	LANGMAN	The Riverina Anglican College	Farrer RD	WAGGA WAGGA	NSW	2586
Mr	Abdul	LAWAL	Boorowa Central School	Pudman St	BOOROWA	NSW	2656
Mrs	Judy	LAWSON	Lockhart Central School	Halliday Street	LOCKHART	NSW	2159
Mrs.	Lynne	LEOTTA	Northholme Grammar S.	76 Cobah Rd	ARCADIA	NSW	2829
Mr.	Adam	MACRAE	Coonamble H.S.	Aberford St.,	COONAMBLE	NSW	2560
Mr.	Greg	McALPIN	St Gregory's College	100 Badgally Rd	CAMPBELLTOWN	NSW	2877
Ms	Lisa	McCALLUM	Condobolin High Scholl	Innes St	CONDOBOLIN	NSW	2336
Ms	Lynda	McCALLUM	St. Joseph's H.S.	Segenhoe St.,	ABDERDEEN	NSW	2110
Mrs	Angela	McCANN	St Josephs College	Mark Street	HUNTERS HILL	NSW	2110

	Caroline CLATWORTHY	Macquarie Fields High School	2 Harold St.,	MACQUARIE FIELDS	NSW	2564
Mr	Lloyd CLEAVER	All Saints College		BATHURST	NSW	2795
Ms.	Caroline COLEMAN	Nothholme Grammar S.	79 Cobah Rd.	ARCADIA	NSW	2866
Ms	Helen COLMAN	Molong Central School	Phillip St.,	MOLONG	NSW	2340
Mr.	Ben COOMBES	Peel High School	88 Gunnedah Rd.	TAMWORTH	NSW	2330
Mr	Nigel COX	Singleton High School	York Street	SINGLETON	NSW	2620
Mr	Ian CRABB	Queanbeyan High School	Agnes Avenue	QUEANBEYAN	NSW	2732
Mr	David CRICK	Barham High School		BARHAM	NSW	2795
Mr	David CROFTS	The Scots School Bathurst	Oberon Rd	BATHURST	NSW	2176
Mrs	Elena DAGHER	Bossley Park H.S.	Prairievale Rd	BOSSLEY PARK	NSW	2705
Mrs	Alison DAHLENBERG	St Francis College	Yanco Ave.	LEETON	NSW	2777
Mr	Gerard DELANY	St Columba's High School	168 Hawkesbury Rd	SPRINGWOOD	NSW	2672
Miss	Erin DENNIS	Lake Cargelligo Central School	65 Canada St	LAKE CARGELLIGO	NSW	2541
Mrs	Anita de la MOTTE	Bomaderry High School	P.O. Box 146	BOMADERRY	NSW	2799
Ms	Michelle DOWSETT	Blayney High School	Water Street	BLANEY	NSW	2261
Mr	Cameron DUSTINE	TLSC- The Entrance Campus	the Entrance Road	The ENTRANCE	NSW	2640
Mr	Guy FAHEY	Albury High School	Kiewa Street	ALBURY	NSW	2452
	D FERRIS	Toormina High School	Armstrong Drive	TOORMINA	NSW	2680
Mr.	Aaron FLAGG	Griffith H. S.	C/- Unit 2 36-38 Griffin /	GRIFFITH	NSW	2110
Mr	Rob FORSBERG	St Josephs College	Mark Street	HUNTERS HILL	NSW	2703
Mr	Greg FULLJAMES	Yanco Agricultural High School	Yanco Ave.	YANCO	NSW	2456
Mr	John EGGLESTON	Woolgoolga High School	Centennial Drive	WOOLGOOLGA	NSW	2329
Mr	Ivan GANT	Merriwa Central School	Bow St	MERRIWA	NSW	2869
Mr	Cliff GEORGE	Peak Hill Central School	Caswell St.,	PEAK HILL	NSW	2834
Mr	Simon GRAHAM	Lightning Ridge C. S.	P.O. Box 424	LIGHTNING RIDGE	NSW	2351
Miss	Susanna GREIG	UNE	AGGS University of New	ARMIDALE	NSW	2650
Mr	David GILLARD	Wagga Wagga High School	Coleman Street	WAGGA WAGGA	NSW	2570
Mr	Milton GOWER	Macarthur Anglican School	PO Box 555	CAMDEN	NSW	2751
Mr.	Clinton GRIBBLE	St Paul's College	Locked Bag 16	PENRITH	NSW	2476
Mr.	Neil GRIFFITH	Irrawong High School	61 Lockyer Street	ADAMSTOWN	NSW	2289
Mr.	Stewart GRIMMETT	Woodenbong Central School	Unumgar St.	WOODENBONGNSW	NSW	2380
Mr	Andrew HARRIES	Quirindi High School	Hill Street	QUIRINDI	NSW	2486
Mr	J HARRIS	Tweed River High School.	Heffran St.,	Tweed heads	NSW	2575
Ms	Leonie HARRIS	Frensham	Range Rd.,	Mittagong	NSW	2560
Mr	Adrian HARRISON	St Gregory's College	100 Badgally Rd	CAMPBELLTOWN	NSW	2800
Mr.	Ian HATHERLY	Kinross Walaroi School	Locked Bag 4	ORANGE	NSW	2871

Mr Patrick McCANN	St Josephs College	Mark Street	HUNTERS HILL	NSW	2675
Miss Johana McCARTHY	Hillston Central School	62-80 Moore St.	HILLSTON	NSW	2830
Mrs Melinda Mc COLL	Dobbo College Sen Camp	Daraabah' 7R Jons Cre	DUBBO	NSW	2357
Mr Terry Mc GOLDRICK	Baradine Central	Bimbadeen	COONABARBRAN	NSW	2167
Mr Ross McGREGOR	Hurstone Agriculture High School	Roy Watt Road	GLENFIELD	NSW	2583
Mrs Jacquelin McINTOSH	Crookwell High School	1 Crown Street	CROOKWELL	NSW	2804
Mr Owen McLAUGHLAN	Canowindra H.S.	Brown's Ave	CANOWINDRA	NSW	2650
Mr Allan McMILLAN	Wagga Wagga High School	Coleman Street	WAGGA WAGGA	NSW	2594
Ms Maryann McRAE	Hennessy Catholic College	Melrose Milvale Rd.	YOUNG	NSW	2337
Mr Bruce MANKTELOW	Scone High School	Gundy Road	SCONE	NSW	2066
Dr. Jennifer MANNA	St Ignatius, Riverview	18 Wangalla Rd	Lanecove	NSW	2754
Ms Diana MARTIN	Murwillumbah High School	Riverview Street	MURWILLUMBAH	NSW	2484
Mr Philip MATAR	Colo H.S.	218 Bells Line of Road	NORTH RICHMOND	NSW	2795
Mr Peter MATUS	The Scots School Bathurst	Oberon Rd	BATHURST	NSW	2480
Mr Mike MELINO	St Johns College	PO Box 6	LISMORE	NSW	2541
Ms Christina MIKAN	Bass High School	Arundle Road			
Mr Tim MINEHAN	Young High School	Campbell Stret			
Mr David MULLER	St John Evangelist Catholic H.S.	P.O. Box 1046	NOWRA	NSW	2800
Mr Kevin MULLER	University of Western Sydney	135 Shoal Bay Road	NELSON BAY	NSW	2325
Mr Peter NAPIER	Orange H. S.	92 Lords Place	ORANGE	NSW	2261
Ms Simone NEVILLE	Tuggerah Lakes Secondary College	Berkeley Rd	BERKELEY VALE	NSW	2340
Mrs Bronwyn NIELSEN	Calrossy Girls School	Brisbane Street	TAMWORTH	NSW	2541
Mr Trevor NEWMAN	Nowra High School	90 Moss Street	NOWRA	NSW	2577
Mr Craig O'BRIEN	Mossvale High School	20 Thwaites Dr.	MOSS VALE	NSW	2340
Ms Lisa O'BRIEN	Farrer Memorial Agricultural High Sch	Calala Lane	TAMWORTH	NSW	2198
Mr Phillip OLIVER	Bankstown Grammar	P.O. Box 278	GEORGE'S HALL	NSW	2198
Mr Graham PAGDEN	Glen Innes High School	Lot 4 Surray Park	GLEN INNES	NSW	2370
Mr Adrian PALMER	Wauchope High School	Nelson Street	WAUCHOPE	NSW	2388
Miss Belinda PINE	Wee Waa H. S.	5/20 Maitland St.,	WEE WAA	NSW	2119
Mr Graham QUINTAL	Pennant Hills H.S.	16 Finlay Ave	BEECROFT	NSW	2101
Mr. Renato RAMSAY	Sydney Distance Education High	Locked Bag 5000	POTTS POINT	NSW	1335
Mr Stephen RAWLINSON	Pittwater H. S.	Mona St.	MONA VALE	NSW	2717
Miss Leisl REDMOND	Coomealla H.S	Silver City Hwy	DARETON	NSW	2640
Ms Rosemai REILLY	Student CSU	4 Murray View Rd.	ALBURY	NSW	2441
Mr Ian RICHARDSON	Coffs Harbour Christian Community	226 Bonville Station Rd	BONVILLE	NSW	2160
Mrs Gail ROBERTS	James Ruse Ag. High School	52 Clarence St.,	MERRYLANDS	NSW	2546

Mr Peter	ROBINSON	Narooma H. S.	Princes Hwy.	NAROOMA	NSW	2422
Mr Dave	ROBINSON	Gloucester H.S.	Ravenshaw St.,	GLOUCESTER	NSW	2477
Mr. Warwick	ROLFE	Kadina H.S.	P.O. Box 250	ALLSTONVILLE	NSW	2251
Mr Brian	SAWYER	Kincumber H.S.	Bungoona Rd.	KINCUMBER	NSW	2567
Mr Brett	SHAROCK	Mount Annan Christian College	P.O.Box 384	Narellan	NSW	2476
Mr Warwick	SHAW	Woodenbong Central School	P.O. Box 66	WOODENBONGNSW	NSW	2420
Mr. Alex	SLEADNEV	Dungog High School	Eloiza St.,	Dungog	NSW	2823
Mr Jade	SMITH	Trangie Central School	1/15 Maclean Drive	TRANGIE	NSW	2794
Mr. Paul	SMITH	Cowra High School	Dowell St.,	COWRA	NSW	2473
Mr. Peter	SMITH	Evans River K-12 S.	Cypress St.	EVANS HEAD	NSW	2257
Mr Geoff	SPENCE	Brisbane Waters Secondary College	Veron Rd	UMINA	NSW	2671
Ms Mandy	STATHAM	West Wyalong high School	P.O. Box 324	WEST WYALONG	NSW	2530
Mr. Maxwell	STEWART	Bombala High School	Candlebark Joseph Stre	BOMBALA	NSW	2632
Ms. Cathy	STIMSON	Chiefly College Mt Druitt Campus	10 John Street	THE OAKS	NSW	2570
Ms Janet	SWAN	Dapto High School	Cleveland Rd	DAPTO	NSW	2580
Ms. Vanessa	TAYLOR	Muwaree H.S.	Mc Dermott Drive	GOULBURN	NSW	2101
Mr Leigh	THATCHER	Pittwater H. S.	Cnr Pittwater and Mona	Mona Vale	NSW	2650
Mr. Brian	THOMAS	Koorinal H.S.	Ziegler Ave.	WAGGA WAGGA	NSW	2703
Mr Ian	THOMPSON	Yanco Agricultural H.S.	Private Mail Bag	YANCO	NSW	2660
Mr Stephen	TRICKETT	Billabong High School	Gordon Street	CULCAIRN	NSW	2450
Mr W.	VANRYSWYK	John Paul College	P.O. Box 1334	COFFS HARBOUR	NSW	2150
Mr Peter	WEARNE	The King's School	P.O.Box 1.	PARRAMATTA	NSW	2710
Mr Gary	WEBB	Finley High School	Rannoch RMB 142	DENILQUIN	NSW	2357
Ms Michelle	WEBB	Coonabarabran High School	Newell Hwy	COONABARABRAN	NSW	2574
Miss Nicholet	WESTERHOF	Elizabeth Macarthur H.S.	31Kader St.,	BARGO	NSW	2659
Mr Wayne	WHALE	St Paul's College	Klemke Ave	WALLA WALLA	NSW	2340
Mr Rick	WHEATON	Oxley High School	Piper Street	TAMWORTH	NSW	
Mr Doug	WHITE	Manilla Central School	Wilga Ave	MANILLA	NSW	2715
Mr Richard	WHITE	Balranald Central School	104 Balandella St	BALRANALD	NSW	1335
Mr Gary	WINTER		Locked Bag 5000	POTTS POINT	NSW	2480
Mr Paul	WITHERS	Nimbin Central School	23a Thorburn St	NIMBIN	NSW	2550
Ms Beth	WORTHY	Sapphire Coast Anglican College	P.O.Box 994,	BEGA	NSW	2264
Mr Ron	VICTOR	Morisset High School	Bridge St.,	MORISSET	NSW	2587
Mrs Jan	YOUNG	Murrumburrah High School	Smith Street	HARDEN	NSW	