Interpreting cattle vocalisations: A way to revolutionise cattle welfare and production

Alexandra Green

PhD Candidate

Dairy Science Group

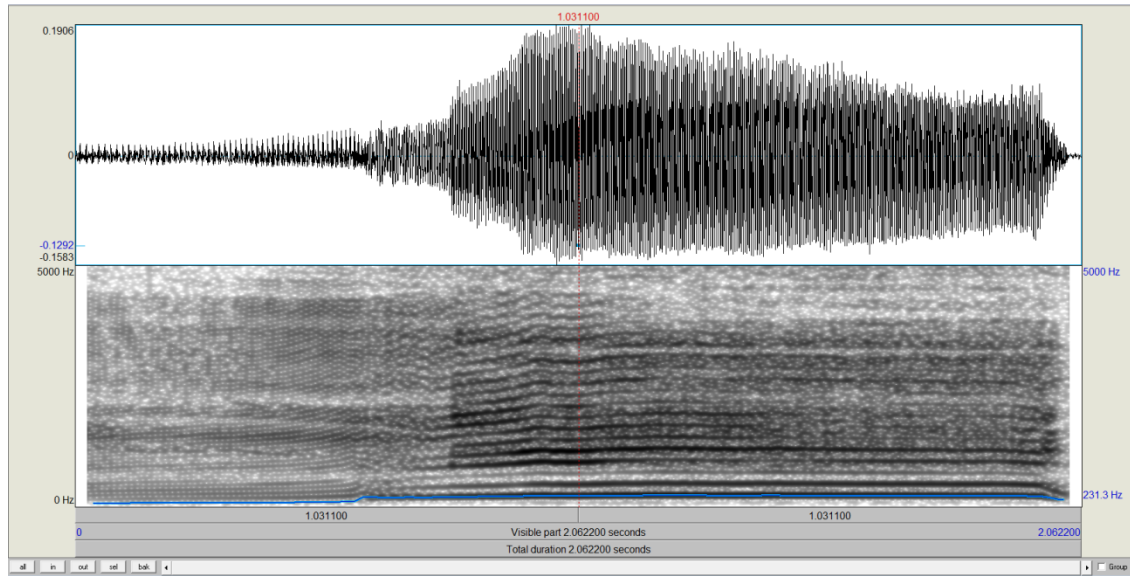a.green@sydney.edu.au

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Aims

To characterise the vocalisations of dairy cattle in response to both positive and negative farming contexts
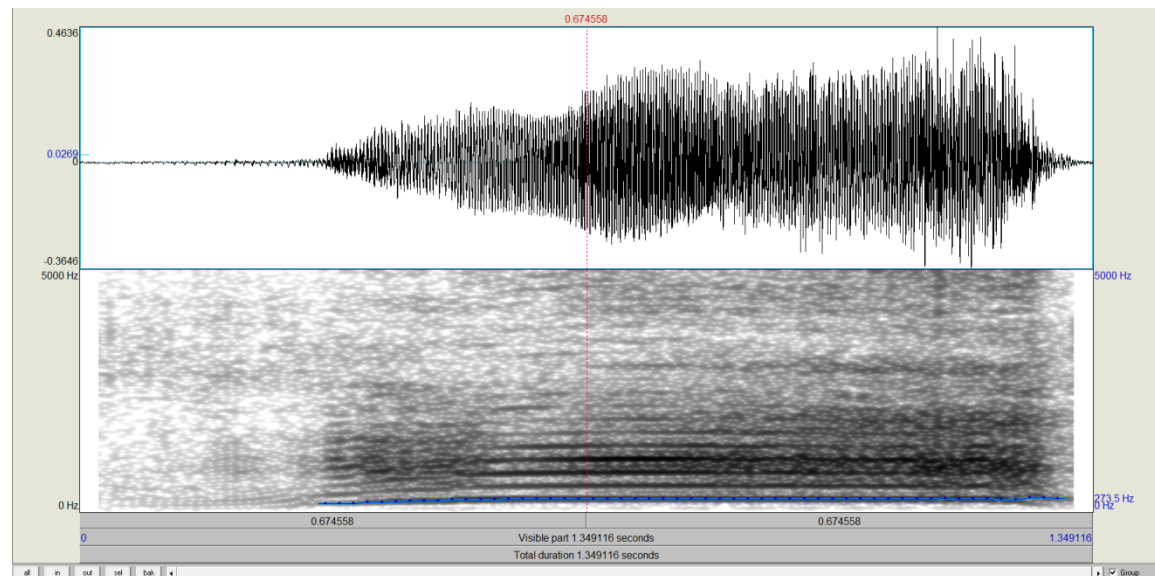
Scientific Output: The individuality of the heifer's voice
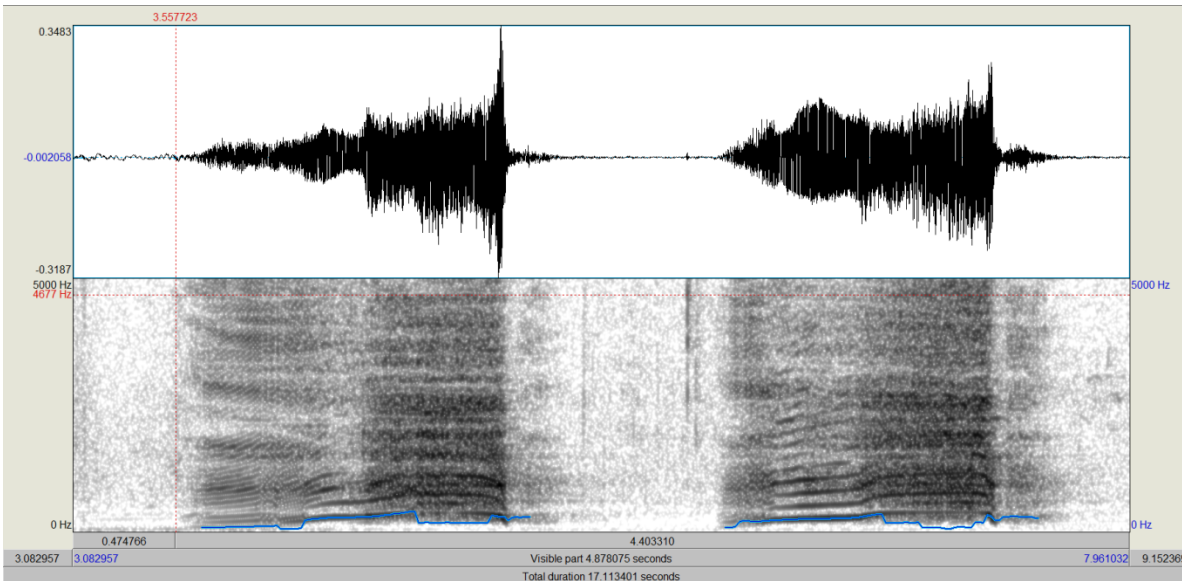

Heifer 41

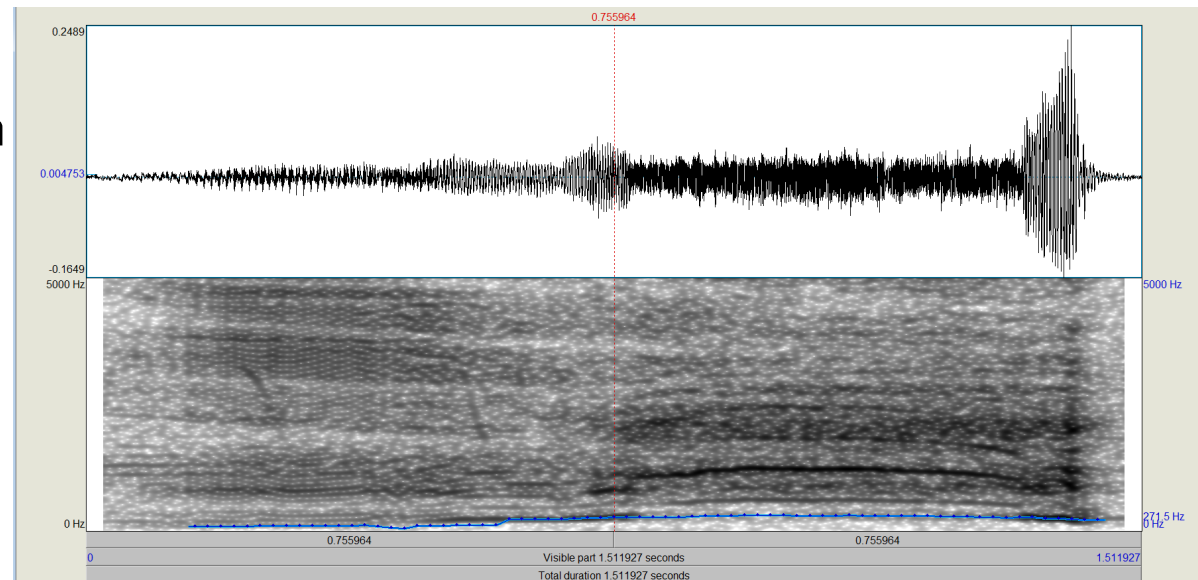Feed anticipation

Heifer 44

Feed anticipation

Scientific Output: Differences in heifer vocalisations across contexts

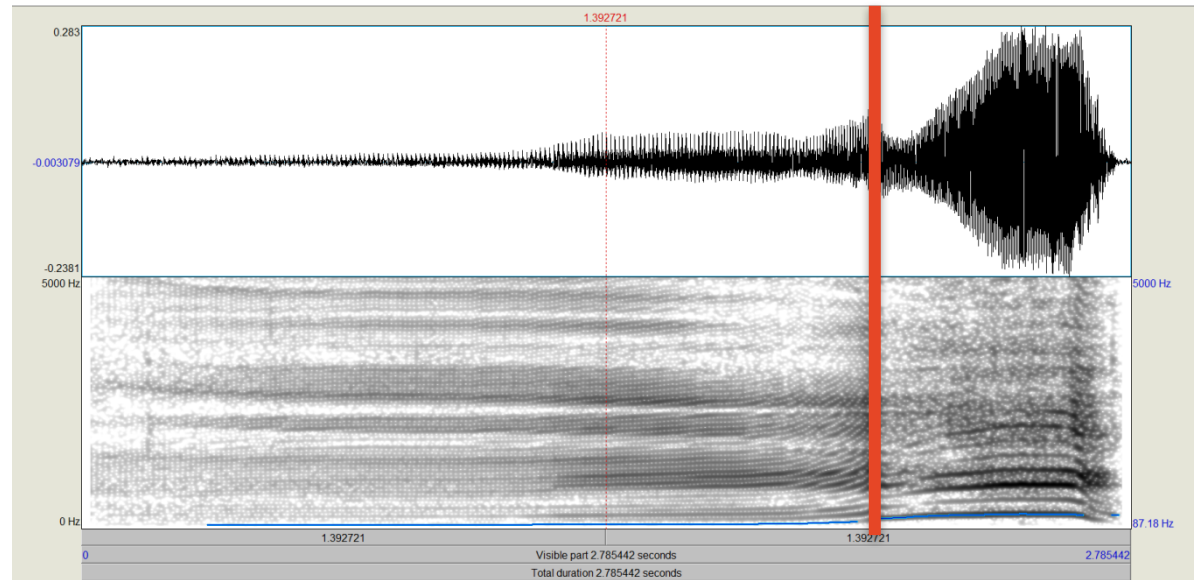Heifer 21 partial isolation

- Negative context

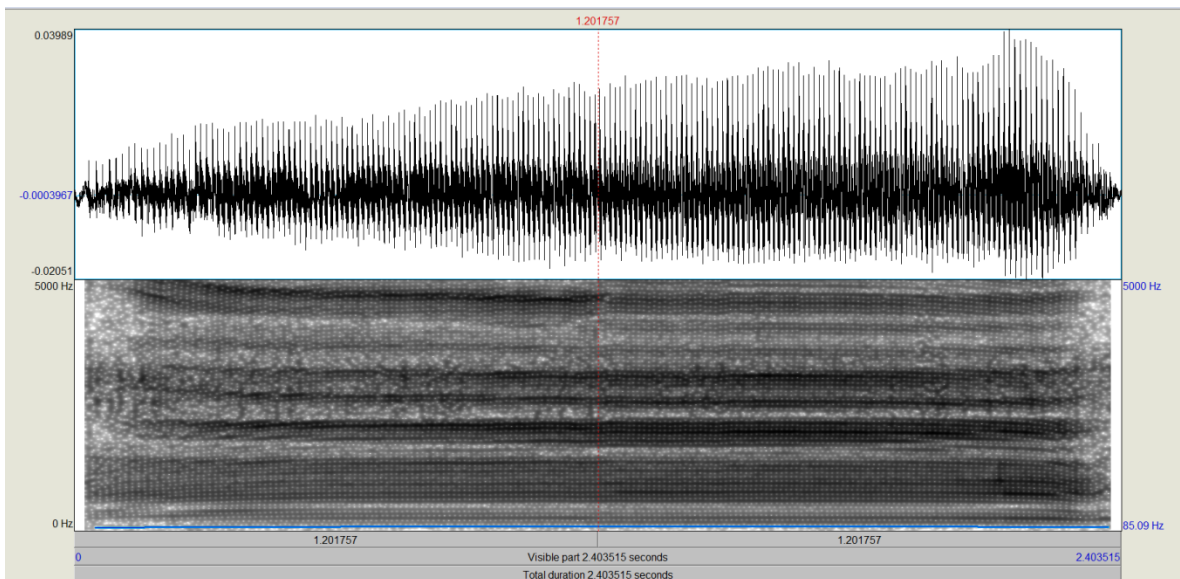Heifer 21 feed anticipation

- Positive context
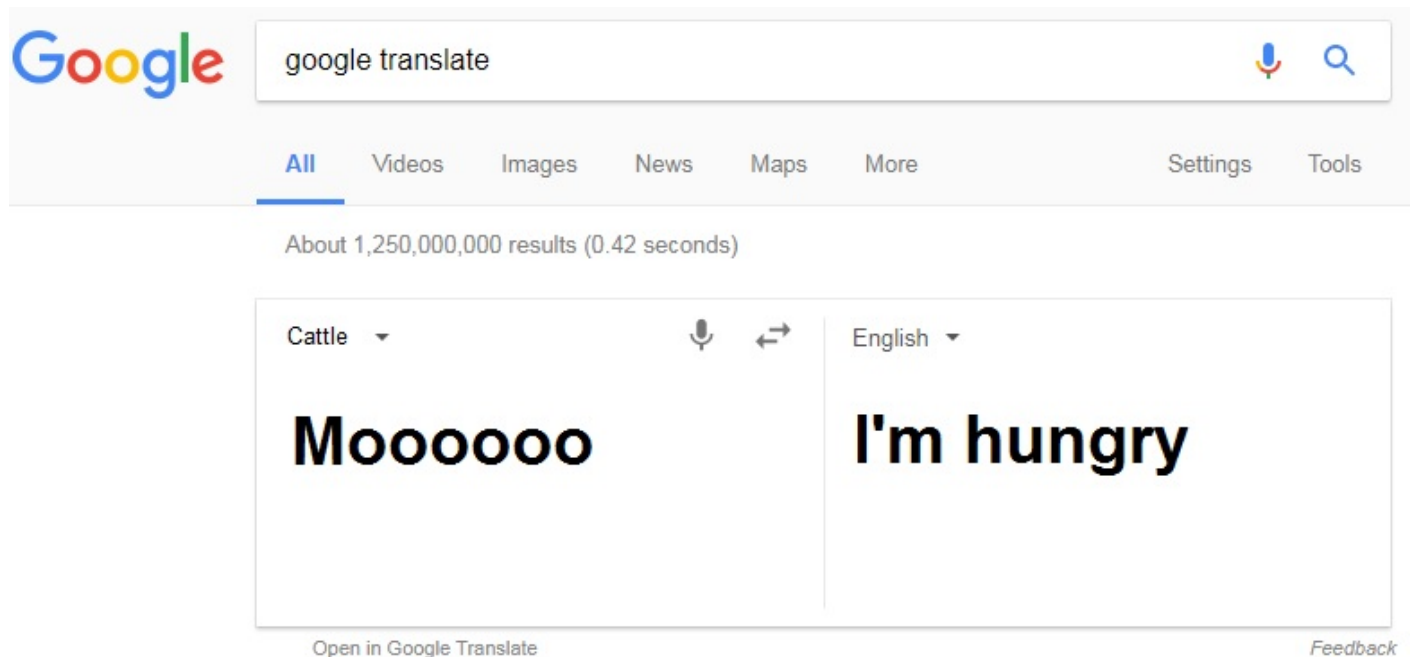
Scientific output: Cattle call types

Open mouth vocalisation

Closed mouth vocalisation

Industry Impact

- Acoustic monitoring tool
  - Welfare and animal condition

- Complement existing animal technologies
  - Increase accuracy of heat detection

Increasing connectivity

Questions?

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