

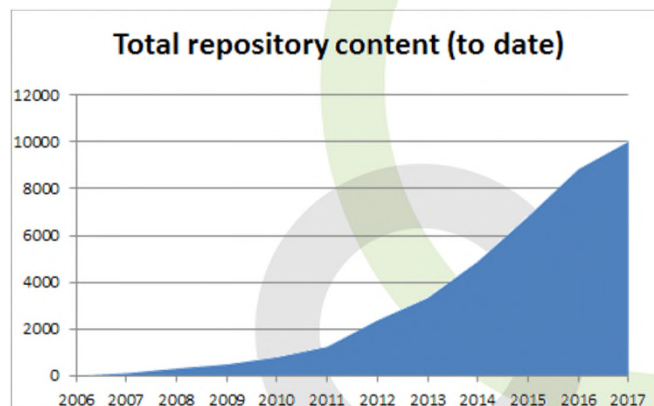


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‘Weather Cloudy & Cool Harvest Begun’ : St Andrews output usage beyond the repository

Kyle Brady, Michael Bryce, Kirsty Knowles, Jackie Proven
Janet Aucock, David Collins



Tool-using Crows



NewScientist “Crows might meet up for big dinners to exchange cutlery tips”



University > Research portal > Research publications > Experimental resource pulses influence social-network dy

Experimental resource pulses influence social-network dynamics and the potential for information flow in tool-using crows



Research output: Contribution to journal > Article

Overview

Citation formats

Funded projects

Author(s)

James St Clair, Zackory Burns, Elaine Bettaney, [Michael Blair Morrissey](#), Brian Otis, Brandt Ryder, Robert Fleischer, Richard James, [Christian Rutz](#)

School/Research organisations

[School of Biology](#)
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DOI

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30 NOVEMBER 2015

Hail Caledonia!

To mark *St Andrew's Day 2015* the Open Access Support team is pleased to publish a guest post by *Janet Aucock*, Head of Metadata and Content Acquisition.

St Andrew's Day is a good day to reflect on Scottish influences on the world. Perhaps it's also a good day to consider alternative Caledonias and one in particular on the other side of the globe.

When crows connect

Wednesday 04 November 2015



An international team led by scientists at the University of St Andrews has studied social networks to understand how information might spread within and between groups of tool-using New Caledonian crows, according to a paper published in [Nature Communications](#) today (Tuesday 3 November 2015).

IRUS ↓ 7 | Altmetric 104 | Blogger 👁 1419



Farming Diary

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Farming in Fife in the 1800s

Monday 13 March 2017

An exclusive glimpse into how local farmers farmed their estate in the early nineteenth century has been made available to read online by the University of St Andrews Library.



Farm and Family in Early Nineteenth-Century Fife the story of a diary written by a farmer between 1824 and 1833 – has been made available to read online by the University of St Andrews Library. The diary records the daily events and life on the farm near Peat Inn, just outside St Andrews.

The fully transcribed recordings of the diary cover a period of 10 years, and include details of the weather, the passing of the British Empire, and the weather with some detail on the farm.



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Farm and family in early nineteenth-century Fife : the diary of Thomas Graham Bonar of Greigston



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- [Cover.jpg \(438.4Kb\)](#)
- [Marie_Robinson.pdf \(26.33Mb\)](#)

Date

17/01/2017

Author

Bonar, Thomas Graham
Robinson, Marie

Abstract

The Greigston diary was written by Thomas Graham Bonar between 1824 and 1833. It is mainly a record of happenings on the small family estate of Greigston in east Fife, which comprised two farms and subsidiary holdings for much of the diary period. Besides farming matters, it records visits and visitors, and a note was kept twice-daily about the weather, including a temperature reading for part of the period. This electronic book comprises an introduction to the diary in four chapters, the transcript of the diary itself (274 pages), and a postscript. There are extensive footnotes, a glossary, maps, tables, photographs and a bibliography. The text is searchable throughout. On the face of it, this farm diary is a rather repetitive account of the mundane practices that characterised the farming and gardening day and year. Though some detail is noted, no explanation or opinions are offered – just bald facts. However, stories emerge. The diarist's daughter Mrs Cowan was the lady of the house at Greigston, staying at home to look after her father as well as her growing family; her husband comes and goes, as he was in the service of the Honourable East India Company. Her friends the misses Bell and Brown were frequent visitors, while others dropped in to see the diarist, en route to Cupar or St Andrews. Dr Graham from Cupar visited often to deal with family ailments; in the period, smallpox, measles and cholera were all present threats. The diarist's son came home to work on the farm, moving into Westmains next door when the family took it over. The reclamation of a moss occupied much time and effort in the early years, many trees were planted, some new-fangled implements were introduced and experimental crops grown – all part of the farming improvements still being made in the early-nineteenth century. The farm

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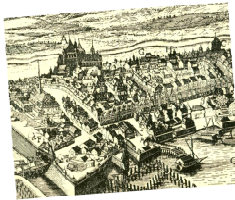
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Studies in French History & Culture

Revisiting Geneva:
Robert Kingdon and the
Coming of the French Wars
of Religion



Edited by
S. K. Barker

St Andrews Studies in French
History and Culture

Hold Still, Madame
Wartime Gender and the
Photography of Women in
France during the Great War



Nicole Hudgins

St Andrews Studies in French
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Castle, class and profession in old regime France: the French army and the Ségur reform of 1781

Blain, David G.; Smith, Jay M.; Blaufus, R. (Centre for French History and Culture of the University of St Andrews, 2010) - Book
First published in French in 1974, David G. Blain's essay on the nature of nobility in old regime France pivoted around the 1781 "Ségur regulation" that required four generations of nobility for most officers entering the ...

"For the salvation of my soul": women and wills in medieval and early modern France

Roll-Holter, Judith; Reyerson, Kathryn L. (Centre for French History and Culture of the University of St Andrews, 2012) - Book
This volume seeks to investigate the testamentary practices of women in medieval and early modern France, examining the experience of a cross-section of the population, from artisans to the elite, in Auvergne-Provence, ...

Hold still, Madame: wartime gender and the photography of women in France during the Great War

Hudgins, Nicole (Centre for French History and Culture of the University of St Andrews, 2014) - Book
This study investigates French images of women during the First World War; the feminine postures and roles captured by photographers; how female images were used in the wartime media and by the state; and how captions and ...

The Legacy of Iconoclasm: religious war and the relic landscape of Tours, Blois and Vendôme, 1550-1750

Nelson, Eric (Centre for French History and Culture of the University of St Andrews, 2013-09) - Book
This study explores the process of spiritually rebuilding, rehashing and reinventing the relic landscape in the regions around Tours, Blois and Vendôme following the widespread iconoclastic damage of the French religious ...

The new enfant du siècle: Joseph de Maistre as a writer

Armenteras, Caroline; Labrun, Richard Allen; Rowlands, Guy (Centre for French History and Culture of the University of St Andrews, 2010) - Book
Joseph de Maistre's reputation as a writer is legendary. His style, unique and alive, moulded the French language anew; it seeped his attempts at anonymous publication and earned him, through the centuries, the praises ...

"Proven patriots": the French diplomatic corps, 1789-1799

Frey, Linda S.; Frey, Marsha L. (Centre for French History and Culture of the University of St Andrews, 2011) - Book
This study analyzes a hitherto unexamined group, the French diplomatic corps during the Revolution (1789 to 1799), and focuses on the question of loyalty and conscience. For some diplomats choice was an illusion as they ...

Revisiting Geneva: Robert Kingdon and the coming of the French Wars of Religion

Barker, Sara K. (Centre for French History and Culture of the University of St Andrews, 2012) - Book
The late Robert Kingdon's Geneva and the Coming of the Wars of Religion in France, 1555-1563 (1956) was not merely an engaging and challenging piece of scholarship; it came to dominate the study of Genevan Protestantism ...

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"Proven Patriots": the
French Diplomatic Corps,
1789-1799



Linda S. Frey
and Marsha L. Frey

St Andrews Studies in French
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Back to enmity : Turkey-Syria relations since the Syrian Uprising

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Turkey_Syria_Relations_Orient_I_2015_Hinnebusch_1_.pdf (123.0Kb)

Date
01/2015

Author
Hinnebusch, Raymond

Keywords
Syria
Turkey
Foreign policy
International relations
JZ International relations
Social Sciences(all)

Metadata
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Abstract

Examines the drivers of the return of Turkey-Syria relations to enmity, specifically the Turkish response to the Syrian Uprising. Looks also at Turkish policy in Syria, notably its support for radical Islamists fighting Asad and its policy toward the Syrian Kurds and ISIS. Turkey's bid for regional hegemony has flattered as a result of its overreach, particularly in the Syria crisis

Citation

Hinnebusch, R 2015, ' Back to enmity : Turkey-Syria relations since the Syrian Uprising ' Orient, Journal of German Orient Institute , vol 56 , no. 1 , pp. 14-22 .

Version

Publisher PDF

Publication

Orient, Journal of German Orient Institute

Status

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URI

<http://hdl.handle.net/10023/6068>

Type

Journal article

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Tribes and tribalism in the Syrian uprising

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Dukhan_2014_SS_Tribalism.pdf (530.6Kb)

Date
06/06/2014

Author
Dukhan, Haian

Metadata
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Abstract

This article attempts to explain the re-emergence of tribalism in Syria. Arab tribes in Syria have retained their solidarity networks and held on to their "common lineage", as well as to the importance of marriage alliances, that many have been driven from nomadism to sedentary agriculture and settled life on the outskirts of cities. Most of the research conducted on the Syrian uprising has focused on the sectarian element of the conflict. Yet, this dimension to the conflict. This paper will shed light on the resurgence of Arab tribes during this period.

Citation

Dukhan, H. (2014). Tribes and tribalism in the Syrian uprising. Syria Studies, 6(2), pp. 1-28.

Version
Publisher PDF

Publication
Syria Studies

URI

<http://ojs.st-andrews.ac.uk/index.php/syria/article/view/397>
<http://hdl.handle.net/10023/7217>

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TRIBES AND TRIBALISM IN THE SYRIAN UPRISING

Haian Dukhan

ABSTRACT

This article attempts to explain the re-emergence of tribalism in Syria. Arab tribes in Syria have retained their solidarity networks and held on to their belief in the "ideology of a common lineage", as well as to the importance of marriage and alliances. Despite the fact that many have been driven from nomadism to sedentary agriculture and settled life on the outskirts of cities. Most of the research conducted on the Syrian uprising has focused on the sectarian element of the conflict. Yet, there is also a tribal dimension to the conflict. This paper will shed light on the resurgence of tribalism during the Syrian uprising and investigate the role of Arab tribes during this period.

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PDF

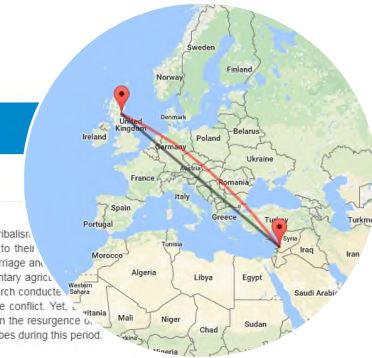
REFBACKS

There are currently no refbacks.

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Interoperability in the OpenDreamKit project : the Math-in-the-Middle approach

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 Dehaye_2016_OpenDreamKit_CICM_AA
M.pdf (3.701Mb)

Date
2016

Author

[Dehaye, Paul-Olivier](#)
[Iancu, Mihnea](#)
[Kohlhase, Michael](#)
[Kononov, Alexander](#)
[Lelièvre, Samuel](#)
[Müller, Dennis](#)
[Pfeiffer, Markus](#)
[Rabe, Florian](#)
[Thiery, Nicolas M.](#)
[Wiesling, Tom](#)

Keywords

QA75 Electronic computers. Computer science

Abstract

OpenDreamKit - "Open Digital Research Environment Toolkit for the Advancement of Mathematics" - is an H2020 EU Research Infrastructure project that aims at supporting, over the period 2015-2019, the ecosystem of open-source mathematical software systems. OpenDreamKit will deliver a flexible toolkit enabling research groups to set up Virtual Research Environments, customised to meet the varied needs of research projects in pure mathematics and applications. An important step in the OpenDreamKit endeavor is to foster the interoperability between a variety of systems, ranging from computer algebra systems over mathematical databases to front-ends. This is the mission of the integration work package. We report on experiments and future plans with the Math-in-the-Middle approach. This architecture consists of a central mathematical ontology that documents the domain and has a joint vocabulary, or even a language, going beyond existing systems such as OpenMath, combined with specifications of the functionalities of the various systems. Interaction between systems can then be enriched by pivoting around this architecture.

Citation

Dehaye, P-O, Iancu, M, Kohlase, M, Kononov, A, Lelièvre, S, Müller, D, Pfeiffer, M, Rabe, F, Thiery, N M & Wiesling, T 2016, Interoperability in the OpenDreamKit project : the Math-in-the-Middle approach. in M Kohlase, M Johansson, B Miller, L de Moura & F Tompa (eds), Intelligent Computer Mathematics : 9th International Conference, CICM 2016, Bialystok, Poland, July 25-29, 2016, Proceedings. Lecture Notes in Computer Science, vol. 9791, Springer, Cham, pp. 117-131, Conference on Intelligent Computer Mathematics 2016, Bialystok, Poland, 25-29 July. DOI:



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Interoperability in the OpenDreamKit project : the Math-in-the-Middle approach

Dehaye, Paul-Olivier; Iancu, Mihnea; Kohlase, Michael; Kononov, Alexander; Lelièvre, Samuel; Müller, Dennis; Pfeiffer, Markus; Rabe, Florian; Thiery, Nicolas M.; Wiesling, Tom (2016)

Publisher: Springer

Languages: English

Types: Conference object

Subjects: QA75 Electronic computers. Computer science, QA75

Identifiers:  doi:10.1007/978-3-319-42547-4_9

OpenDreamKit - "Open Digital Research Environment Toolkit for the Advancement of Mathematics" - is an H2020 EU Research Infrastructure project that aims at supporting, over the period 2015-2019, the ecosystem of open-source mathematical software systems. OpenDreamKit will deliver a flexible toolkit enabling research groups to set up Virtual Research Environments, customised to meet the varied needs of research projects in pure mathematics and applications. An important step in the OpenDreamKit endeavor is to foster the interoperability between a variety of systems, ranging from computer algebra systems over mathematical databases to front-ends. This is the mission of the integration work package. We report on experiments and future plans with the Math-in-the-Middle approach. This architecture consists of a central mathematical ontology that documents the domain and has a joint vocabulary, or even a language, going beyond existing systems such as OpenMath, combined with specifications of the functionalities of the various systems. Interaction between systems can then be enriched by pivoting around this architecture. Postprint

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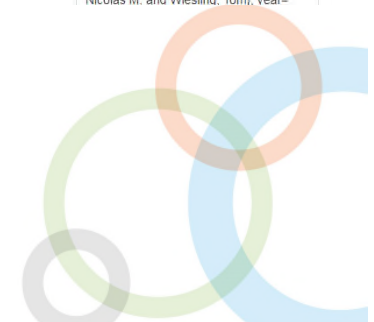
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Florian_Thiery, Nicolas M._Wiesling,
Tom_2016, title={Interoperability in the
OpenDreamKit project : the Math-in-the-
Middle approach}, publisher={Springer},
author={Dehaye, Paul-Olivier and Iancu,
Mihnea and Kohlase, Michael and
Kononov, Alexander and Lelièvre,
Samuel and Müller, Dennis and Pfeiffer,
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Nicolas M. and Wiesling, Tom}, year=
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[Forlini, Stefania](#)
[Hinrichs, Uta](#)

Keywords

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[QA75 Electronic computers. Computer
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Abstract

Large-scale digitization appears to put literary collections at one's fingertips, but, as some critical observers warn, the books themselves are increasingly out of reach as libraries continue to shift from being "physical repositories and research spaces" to becoming "access portals" to digitized materials (Stauffer, 2012). The digital surrogates of print books preserve verbal content but not their many meaningful physical features, which are largely obscured in digitization processes. As many critics recognize, with the passing of the age of print we have become increasingly aware of "the assumptions, presuppositions, and practices associated with it" (Hayles, 2012), and by contrast we glimpse the devaluation of materiality that appears to haunt digital culture (Hayles, 1999). What are the best ways to treat print-based collections digitally? How can we harness the potential of digital media to better represent and analyze cultural collections, accentuating their unique aesthetic and material qualities while also allowing for diverse perspectives and rich linking supported by computer-assisted content analyses? In this paper we synthesize perspectives from book history, reception studies, literary studies, information visualization, human computer interaction (HCI) and digital arts to discuss practical approaches to these questions. Working with the Bob Gibson anthologies of speculative fiction—a unique collection of periodical-based science fiction selectively assembled, annotated, and bound into 888 handcrafted booklets by an avid science fiction fan, collector and artist—we explore possibilities for digital synesthesia and multi-modal interaction in sketching how digital representations of print collections can go far beyond typical digital library interfaces. By embracing a synergy between content-related metadata and physical artifactual characteristics (e.g. size, weight, paper texture, typography), we seek to engage multiple sensory modalities and provoke critical and aesthetic engagement with digitized print collections.

<http://stuffofsciencefiction.ca>



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The conservatives' rout : an account of conservative ideas from Burke to Santayana

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[RussellKirkDLittThesis2.pdf \(215.0Mb\)](#)

Date
1952

Author
Kirk, Russell

Metadata
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Abstract

'The conservatives' rout', a study in politics, literature, and philosophy, is an endeavor to trace historically the course of conservative thought in Britain and America from the beginning of the French Revolution to the present day.

URI

<http://hdl.handle.net/10023/4544>

Type

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THE CONSERVATIVES' ROUT:
AN ACCOUNT OF CONSERVATIVE IDEAS FROM BURKE TO SANTAYANA

--Russell Kirk

The Russell Kirk Center
for Cultural Renewal

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The Lewisian and Torridonian geology of Iona

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[FionaFraserPhDThesis.pdf \(37.87Mb\)](#)

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1977

Author

Fraser, Fiona M.

Supervisor

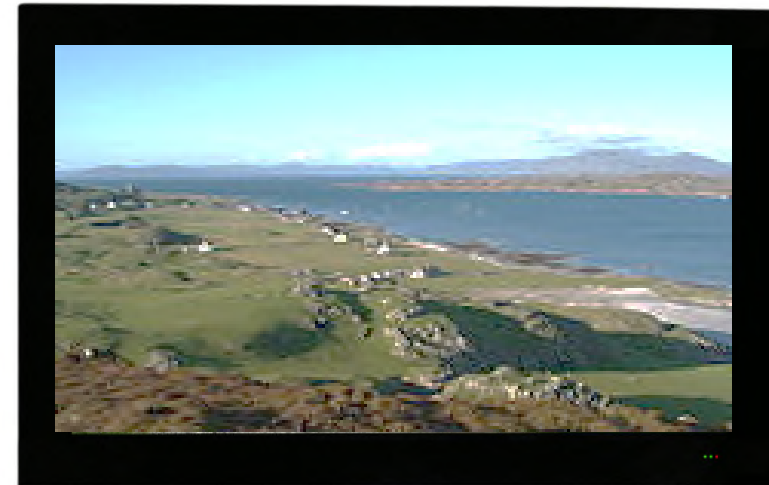
Hopgood, A. M.

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Abstract

The island of Iona is composed predominantly of Lewisian gneisses with Torridonian sediments outcropping on the east side. The Lewisian gneisses include a wide range of lithological types. The prevalent quartzfeldspathic gneisses are biotite-hornblende-bearing, potash-rich and potash-poor varieties and hypersthene-biotite-garnet gneisses. Metasediments outcrop in two associations (i) within a sequence of basic and ultrabasic rocks (the 'Amphibolite Group') and (ii) in the NW of Iona (the NW Paragneisses). The Amphibolite Group contains concordant marble and iron-rich horizons which delineate the major fold structures in south and west Iona. Chemical analyses of the metasediments and basic rocks in the Amphibolite Group indicate that the sequence was probably originally a supracrustal group composed of tuffs, lavas, impure limestone and iron-rich chemical deposits. The NW paragneiss group may be a younger group of metasediments comprising graphite-quartz marbles, calc-silicate layers, graphitic schists, and garnet schists. The tectonic history of the gneisses divides into six main deformations. The first (D_1) is represented by isoclinal intrafolial hinges with a penetrative S_1 foliation. The second deformation produced isoclinal folds with rounded hinges deforming the S_1 foliation. D_2 generated tight asymmetrical folds accompanied by a hornblende granulite facies metamorphism with syntectonic mineral growths defining S_2 and L_2 , and axial planar pegmatite veins. The axial planes are generally at low angles to the foliation, which typically trends NE or E. D_3 folds are mostly large close folds with shallow short limbs and axial planes trending NE with NW dips, whilst D_4 formed open folds with N-trending axial planes, and accompanied by a high amphibolite facies metamorphism. Basic dykes were intruded at various stages of the tectonic sequence: before D_1 , between D_1 and D_2 , D_2 and D_3 , and D_3 and D_4 . The dykes can be divided into distinct



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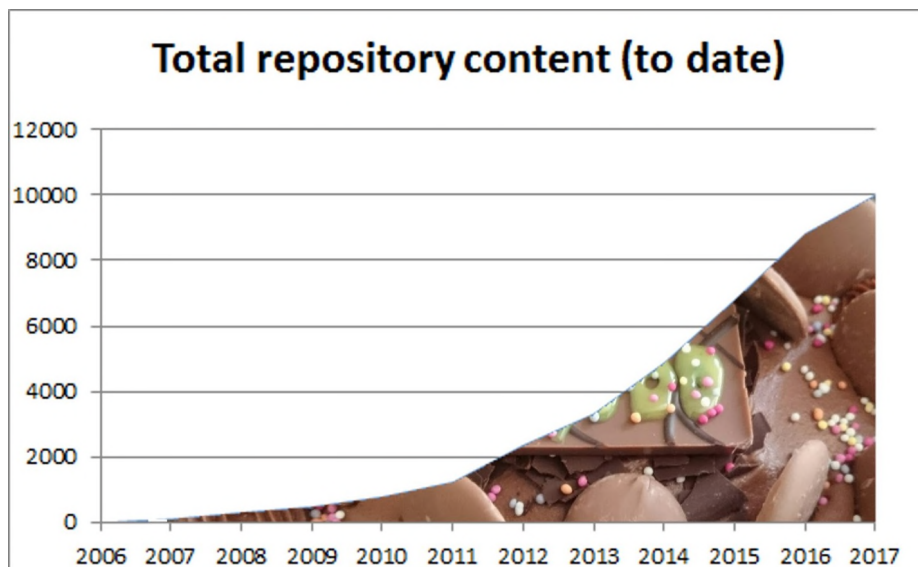
Every student to pass through St Andrews leaves a legacy in one form or another, and for our postgraduates this often takes the shape of a thesis. The university requires students to submit a copy of their thesis to the library in order to graduate, but who is it that might end up reading your precious creation, years or even decades after you have gone?

IRUS ↓ 248

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A rare exception to Haldane's rule: are X chromosomes key to hybrid incompatibilities?

Moran, Peter; Ritchie, Michael Gordon; Bailey, Nathan William (2017) - Journal article

The prevalence of Haldane's rule suggests that sex chromosomes commonly have a key role in reproductive barriers and speciation. However, the majority of research on Haldane's rule has been conducted in species with ...

The molecular structure of inulin

Stevenson, John Whiteford (University of St Andrews, 1928-04) - Thesis

The structure of benzylidene alpha methylglucoside and of 2:3 dimethylglucose

Purves, Clifford B. (University of St Andrews, 1929-02) - Thesis

After discussing the condensation portion of methylglucoside with benzaldehyde and the chemistry of the product, the structure of benzylidene methylglucoside, together with that of the dimethyl glucose, is reviewed. A few ...

