‘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

New Scientist “Crows might meet up for big dinners to exchange cutlery tips”
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 diary of Thomas Graham Bonar of Greigston

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 exploration or opinion is offered - just bald facts. However, slowly emerge. The diary'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 came and went, as he was in the service of the Honourable East India Company. Her friends the mistresses Bell and Brown were frequent visitors. While others dropped in to see the dairy, 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 dairy's son came home to work on the farm, moving into Westerheath 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-tangled 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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  - Linda S. Frey
  - Marsha L. Frey

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Back to enmity: Turkey-Syria relations since the Syrian Uprising

Abstract
Examines the drivers of the return of Turkey-Syria relations to enmity, specifically the Turkish response to the Syrian Uprising. It looks at Turkish policy in Syria, notably its support for radical Islamists fighting Assad and its policy towards the Syrian Kurds and 1918. Turkey’s bid for regional hegemony has suffered as a result of its overreach, particularly in the Syria crisis.

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Journal article

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Tribes and tribalism in the Syrian uprising

Abstract
This article attempts to explain the re-emergence of tribalism that has involved Syrian, Iraqi, and Turkish minorities in Syria. It discusses the factors that have contributed to the resurgence of tribalism and the role of the Turkish government.

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

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 toolset 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 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 plugging in this architecture.

Citation
Synesthetic visualization: balancing sensate experience and sense making in digitized print collections

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 (Shauffer, 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 Gilson anthologies of speculative fiction—a unique collection of periodical-based science fiction selectively assembled, annotated, and bound into 588 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
The conservatives' rout: an account of conservative ideas from Burke to Santayana

Impact of Digitisation
“One week later we presented the BBC with four hundred pages of geographical goodness, saving the day by assuring there would be sufficient educational content to match the moody shots of Neil Oliver’s locks flapping about in the wind. Whoever said that library work isn’t glamorous?”
10,000th Item

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 insulin
Stevenson, John Whitford (University of St Andrews, 1929-04) - Thesis

The structure of benzylidene alpha methylglucoside and of 2,3 dimethylglucose
Putves, 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 dimethylglucose, is reviewed. A few...