E is for Everything: The Extra-Ordinary, Evolutionary [e-] Journal

Gerry McKiernan
Iowa State University Library
Ames, Iowa
gerrymck@iastate.edu

WiLSWorld 2001
The Future's So Bright ...
July 27, 2001
University of Wisconsin, Madison
THANK YOU!

Tom Zillner
Coordinator, New Technologies Information Program
Wisconsin Library Services (WiLS)
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WiLSWorld 2001 Program Committee
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DEALERS OF LIGHTNING

XEROX PARC

and the Dawn of the Computer Age

MICHAEL HILTZIK
THE PROBLEM IS PAPER

EARTH INTERACTIONS

Transcending the Limitations of the Printed Page

by JUDY HOLOVIAK
and KEITH L. SEITTER

The Challenge
"The problem with you publishers is you think you add value. Well, you don't. You force me to reduce the information in my scientific papers so that they will fit on a flat printed page." With those words, or ones very like them, hydrologist James Wallis, then of IBM Watson Labs., threw down the gauntlet at a Top Management Roundtable of the Society for Scholarly Publishing. For one area of science that stinging criticism has now been rebuffed by the online journal Earth Interactions, which began publication January 1997.

From the first conceptual discussions, the founders of Earth Interactions shared a common goal: to remove the limitations of the printed page while delivering a high-quality, peer-reviewed scientific journal that permits scientists to present their results in the most useful manner possible. The subject matter of Earth Interactions begs for this approach. The journal serves researchers
Earth Interactions
http://EarthInteractions.org/

- Supports MPEG, QuickTime™, VRML
- Allows authors to embed audio narratives
- Allows inclusion of datasets
- Supports interactive equations
- Supports interactive modeling
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http://www.public.iastate.edu/~CYBERSTACKS/M-Bed.htm
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A Registry of Embedded Multimedia Electronic Journals

"Words still have ... primacy, but they can be illuminated by images and moving pictures and by numbers and by sounds."
Tom Wilson / "In the Beginning Was the Word ..." / ELVIRA2: 1

ACM Journal of Experimental Algorithmics
http://www.jea.acm.org/

American Communication Journal
http://acjournal.org/

Arteriosclerosis, Thrombosis, and Vascular Biology
http://atvb.ahajournals.org/
"Words still have ... primacy, but they can be illuminated by images and moving pictures and by numbers and by sounds."

Tom Wilson / "In the Beginning Was the Word ..." / ELVIRA2: 1

While e-Journals are still primarily text, in a digital environment text can be connected with other text, media, services, and systems, from other text, media, services and systems, with other ...
ECLECTIC JOURNAL

- A Web-based resource that at its core provides access to e-journals that offer not only access to the conventional content of a digital form of a journal but also provides or permits interaction with novel and innovative features and functionalities (e.g., reference linking, cross-publisher searching, page customization, open peer review, etc.)

AND

- novel and innovative content (e.g., e-books, pre-publication history, electronic discussions, translation services, e-prints, bibliographic databases, etc.)
1eclectic

Pronunciation: e-'klek-tik, i-
Function: adjective
Etymology: Greek eklektikos, from eklegein to select, from ex- out + legein to gather -- more at LEGEND
Date: 1683
1 : selecting what appears to be best in various doctrines, methods, styles
2 : composed of elements drawn from various sources; HETEROGENEOUS
-eclectic/-ti-cal.ly /-ti-k(&-)lE/ adverb
http://www2.yourdictionary.com/index.shtml
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A Registry of Innovative E-Journal Features, Functionalities, and Content
EJI(sm) is a categorized registry of electronic journals, journal services, or 'knowledge environments' that offer or provide innovative or novel access, organization, or navigational features, functionalities, or content.

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In recent years we’ve heard an increasing number of journal authors wishing we could speed up the review and publishing process for the Journal of Food Science. One major new technology to aid this process is the Internet. This new application can speed up not only peer-review functions, but also can serve as a tool for capturing manuscript data and files that can be used later in production.

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Proteolytic processing of Semliki Forest virus-specific non-structural
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- QUANTUM COHERENCE, COMPUTING, AND INFORMATION STORAGE
- ORGANIC-INORGANIC HYBRID NANOSTRUCTURES
- SURFACE AND INTERFACE PROPERTIES
- MISCELLANEOUS

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- Commensurability effects in lateral surface-doped superlattices
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17 July 1997 - 13 April 2001

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Journal Watch Women's Health  
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1 September 1997 - 2 April 2001
Does Estrogen Replacement Therapy Increase Ovarian Cancer Risk?

Although postmenopausal estrogen replacement therapy (ERT) increases risk for endometrial cancer and may be associated with increased risk for breast cancer, there is little information about any relation between ERT and ovarian cancer. This prospective cohort study consisted of 211,581 postmenopausal women (following exclusions from a total cohort of 676,306) who completed a baseline questionnaire in 1982 and were followed until 1996.

There were 944 deaths due to ovarian cancer in the study cohort. Compared with the 689 women who never had used ERT, the 62 women using ERT at baseline had significantly higher risk for dying from ovarian cancer (adjusted rate ratio, 1.51); the 193 former users had very little increase in risk. However, duration of use was associated with increased risk in both baseline and former users, with the adjusted rate ratio reaching 2.20 among 31 baseline users with 10 or more years of use. Increased risk persisted up to 29 years after cessation of use.

Comment: This study has numerous strengths, including its size and prospective design, but our ability to conclude from these data that ERT causes ovarian cancer is limited: The number of women in the study cohort with ovarian cancer represented less than 40 percent of women with ovarian cancer in the total cohort. The level of progestin use and the doses of estrogen used are unknown. Moreover, it is difficult to explain biological plausibility, given the numerous studies documenting markedly reduced ovarian cancer risk in women who use oral contraceptives and the widely held belief that it is the "explosive" nature of ovulation that predisposes women to ovarian cancer.

-- RW Rebar

Published in Journal Watch 13 April 2001

Estrogen replacement therapy and ovarian cancer mortality in a large prospective study of US women.


[Abstract in Medline] [Related Articles in Medline, if available]
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- Accident Analysis & Prevention
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- Accounting, Organizations and Society
- Acta Astronautica
- Acta Materialia
- Acta Oecologica
The MCEER Information Service News, March 2001

This is a monthly newsletter that reviews current events and literature in earthquake hazards mitigation, and related fields. This web version of our newsletter features E-News. E-News allows you to customize your newsletter. You can focus on just those topics of particular interest to you. You can also set up email notification of new issues.

Articles: News of the Profession

- Structures Congress Coming up in May
- EERI Schedules Briefings on Buj, India and Seattle (Nisqually), WA Earthquakes
- ASCE Metro NY Schedules Spring Structures Seminar
- COSMOS Update
- USGS Invites NEHRP Applications
- San Fran RFP’s for Seismic Hazard Assessment
- Congressional Natural Hazards Caucus Examines Risks; Cautions Congress
- USGS Science, Mitigation Helped Preserve Seattle

As always, the newsletter begins with Brief news articles concerning the earthquake engineering profession, important announcements, personnel news, etc.
The MCEER Information Service News, March 2001

This is a monthly newsletter that reviews current events and literature in earthquake hazards mitigation, and related fields. This web version of our newsletter features E-News. E-News allows you to customize your newsletter. You can focus on just those topics of particular interest to you. You can also set up email notification of new issues.

Bridges

Articles
ASCE Metro NY Schedules Spring Structures Seminar
EERI Schedules Briefings on Bhum and Nisqually
New MCEER Technical Reports
Structures Congress Coming Up in May
USGS Science, Mitigation Helped Preserve Seattle

Calls for Papers
Seventh U.S. National Conference on Earthquake Engineering

Items of Interest
The Science of Structural Engineering

Journal Contents
Civil Engineering, February 2001, V.71, N.2 (page 1)
Civil Engineering, February 2001, V.71, N.2 (page 2)
Journal of Bridge Engineering, March/April 2001, V.6, N.2

Meetings
New York Bridge Conference 2001

Searches
Bridges/Retaining Structures: Retrofit and Structural Control
Font, Format, and Display Control

Internet Journal of Chemistry
Internet Journal of Chemistry - The Peer-Reviewed Electronic Journal for Chemists

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Scope of Coverage
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Editorial Board
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How to Customize and Use the Journal (FAQ)

ISSN: 1099-8292

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We provide our users with a choice of possible page layouts to satisfy everyone's needs and preferences. List of available choices may vary depending on your browser/platform/hardware. In addition to list of choices, **recommended** layout is pointed out - this is the layout which in our opinion would work best with your particular configuration.

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- Automatically show margin notes/annotations when new page is open
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- see [15] for more discussion - Default
- see 15 for more discussion
- see [15] for more discussion
- see [Ref. 15] for more discussion

Journal names in references

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- Use standard ACS journal name abbreviation, for example J. Am. Chem. Soc.

Authors names style:

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- Family name - first name, for example Smith, J. A.; Morgan, S.
References tables:

**references presented without icons (Default)**

2. A. R. Leach and I. D. Kuntz

3. H. Spath,
   *Cluster Analysis Algorithms for Data Reduction and Classification of objects*,
   Ellis-Horwood Ltd.: London, 1985

**references presented with icons**

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3. H. Spath,
   *Cluster Analysis Algorithms for Data Reduction and Classification of objects*,
   Ellis-Horwood Ltd.: London, 1985

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Multimedia resources:
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Footnotes display destination:

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Results go to independent window
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<table>
<thead>
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<th>Temperature</th>
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<td>Keep original units</td>
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- **simple notation** (5000000.0)
- **scientific notation** (5.0x10⁶)
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This map gives access to 15949 articles from Astrophysical Journal. We used the technique of "Self Organizing Maps", where documents are classified in areas on the basis of their keywords. Density of documents is smallest in blue regions, and largest in red regions.

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- If there are more than 30 articles on the selected region, you can access to a more detailed map.
- To submit a keyword query, just type a few letters of an expression you are looking for. All the keywords containing these letters will appear allowing to select one or more of these keywords.

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Cosmology: Dark Matter: 75/129
Methods: Numerical: 62/129
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Hydrodynamics: 18/129
Galaxies: Halos: 14/129

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Keyword query · Bibcode query · Help

This local map gives access to 129 articles from Astrophysical Journal.

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- 1996ApJ...466..614B
  Abundance and Clustering of C iv Absorption Systems in the SCDM, LCDM, and CHDM Models
  Bi Hongguang, Fang L.

- 2001ApJ...547..574D
  Halo Properties in Cosmological Simulations of Self-interacting Cold Dark Matter.
  Davé, Romeel (1) Spergel, David N. Steinhardt, Paul J. Wandelt, Benjamin D. collisionless cold dark matter

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Galaxies: Formation: 9/17
Methods: Numerical: 7/17
Galaxies: Quasars: Absorption Lines: 6/17
Halo Properties in Cosmological Simulations of Self-interacting Cold Dark Matter.

Davé,ROMEEL (1) Spergel, David N. Steinhardt, Paul J. Wandeit, Benjamin D.

Abstract (from ADS): We present a comparison of halo properties in cosmological simulations of collisionless cold dark matter (CDM) and self-interacting dark matter (SIDM) for a range of dark matter cross sections. We find, in agreement with various authors, that CDM yields cuspy halos that are too centrally concentrated as compared to observations. Conversely, SIDM simulations using a Monte Carlo method capture the observed cusp-core transition more accurately.
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Halo Properties in Cosmological Simulations of Self-interacting Cold Dark Matter

Romeel Davé\(^1\),\(^2\) and David N. Spergel\(^3\)

Princeton University Observatory, Princeton, NJ 08544

and

Paul J. Steinhardt\(^4\) and Benjamin D. Wandelt\(^5\)

Department of Physics, Princeton University, Princeton, NJ 08544

Received 2000 June 15; accepted 2000 September 28

ABSTRACT

We present a comparison of halo properties in cosmological simulations of collisionless cold dark matter (CDM) and self-interacting dark matter (SIDM) for a range of dark matter cross sections. We find, in agreement with various authors, that CDM yields cuspy halos that are too centrally concentrated as compared to observations. Conversely, SIDM simulations using a Monte Carlo \(N\)-body technique produce halos with significantly reduced central densities and flatter cores. We introduce a concentration parameter based on enclosed mass that we expect will be straightforward to determine observationally and present predictions for SIDM and CDM. SIDM also produces more spherical halos than CDM, providing possibly the strongest observational constraint on SIDM. In our simulations with SIDM cross sections \(\sigma_{\text{DM}} \approx 10^{-23}\)
Journal of Artificial Intelligence Research

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D.R. Wilson, T.R. Martinez. "Improved Heterogeneous Distance Functions." Volume 6, pages 1-34.

Abstract: Instance-based learning techniques typically handle continuous and linear input values well, but often do not handle nominal input attributes appropriately. The Value Difference Metric (VDM) was designed to find reasonable distance values between nominal attribute values, but it largely ignores continuous attributes, requiring discretization to map continuous values into nominal values. This paper proposes three new heterogeneous distance functions, called the Heterogeneous Value Difference Metric (HVDM), the...

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Applications and Enablers and Scene Systems Understanding
Computer Code

Journal of Artificial Intelligence Research
The purpose of the DISPLAY program is to display, as PostScript(R) images, planar decision trees and data. We found this to be a useful tool in visualizing and understanding the tree-building process.

DISPLAY can produce PostScript(R) displays for datasets alone and data with decision trees (axis parallel or oblique). It can also produce what we call, for lack of a better term, animations. Please note that the animation option is still in a very experimental stage.
/** Copyright 1993, 1994 */
/** Johns Hopkins University */
/** Department of Computer Science */
/** Contact : murthy@cs.jhu.edu */
/** File Name : gendata.c */
/** Author : Sreerama K. Murthy */
/** Last modified : July 1994 */
/** Contains modules : main */
/** Uses modules in : oc1.h */
/** util.c */
/** tree_util.c */
/** classify.c */
/** Is used by modules in : none. */
/** */
#include "oc1.h"

char *pname;
char test_data[LINESIZE], misclassified_data[LINESIZE];
int unlabeled=FALSE, no_of_dimensions=0, no_of_categories=0;
main(argc, argv)
    int argc;
    char *argv[];
{
    extern char *optarg;
    extern int optind;
    int c1,i,j,no_of_samples;
    int *point_count;
    float above,below;
    char decision_tree[LINESIZE];
    struct point **points_array = NULL,**allocate_point_array();
    struct tree_node *root = NULL,*read_tree();
    FILE *outfile;

    strcpy(test_data,\"\0\")
    strcpy(decision_tree,\"\0\")
    above = 0.0;
    below = 1.0;

    pname = argv[0];
    if (argc == 1) usage(pname);
    while ((c1 = getopt (argc, argv, "a:b:c:d:D:n:o:s:t:T:uv\")) != EOF)
Translation Services

Cultivate Interactive
Welcome to Cultivate Interactive

Cultivate Interactive is a Web magazine which is funded under the European Commission's Digital heritage and Cultural Content (DIGICULT) programme.

In the Current Issue
Issue 3 (January 2001)

The current issue contains feature articles on the RENAISSANCE, SCHEMAS and COVAX projects from the DIGICULT Programme. There is also a review of the IST Nice Conference and an introduction to the National Monuments Record thesauri.

Netting Local History

Sidsel Hindal and Tono Moseid on a Norwegian initiative that aims to improve the public's access to records on local history by utilising current digital technologies.

Exploit Interactive

For similar articles see Exploit Interactive Web magazine, which provides a mechanism for dissemination of information about Telematics for Libraries projects.

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The RENAISSANCE Project: a Virtual Journey in a Renaissance Court

By Francesca Tinelli - January 2001

How about experiencing the social life of ancient times, learning about history, but having the same amount of fun as playing a "state of the art" video game? Francesca Tinelli introduces the RENAISSANCE Project.

Introduction

Virtual Renaissance Court [1] is a research and development project funded by the European Commission as part of the framework of the IST programme. Successfully selected during the first call of the programme in 1999, the project officially started on the 1st of January 2000. The project is being directed by Italian electronic publisher Giunti Multimedia, and involves the German virtual community specialists, Blaxxun Interactive, the Swedish game publishers, Iridon Interactive, and the Italian research institute Istituto Trentino di Cultura (ITC-IRST).

Figure 1: The Palazzo Ducale of Urbino
About Iridon

Iridon Interactive AB is a developer and publisher of interactive entertainment products for the PC. We create, direct, and produce computer and video games based on original properties.

About ITC

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For citation purposes:
URL: <http://www.cultivate-int.org/issue3/renaissance/>

If you wish to translate this page choose the preferred language using the WorldLingo icon below.
Le Projet de la RENAISSANCE: un voyage virtuel dans une cour de la Renaissance

Par Francesca Tinelli - Janvier 2001

Que diriez-vous d'essayer la vie sociale des périodes antiques, se renseignant sur l'histoire, mais ayant la même quantité d'amusement que jouant un "state of the art" jeu visuel? Francesca Tinelli présente le projet de la RENAISSANCE.

Introduction

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Randomised controlled trial of \textit{Helicobacter pylori} testing and endoscopy for dyspepsia in primary care

B C Delaney, senior lecturer, S Wilson, senior research fellow, A Roaf, medical statistician, L Roberts, research associate, V Redman, research associate, A Wearn, lecturer, F D R Hobbs, professor of primary care and general practice.

Department of Primary Care and General Practice, Division of Primary Care, Public and Occupational Health, University of Birmingham Medical School, Birmingham B15 2TT

Correspondence to: B C Delaney b.c.delaney@bham.ac.uk

Abstract

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BMJ 2001; 322: 898 [Abstract] [Abridged text] [Full text]
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**See also:**  
Abstract (table of contents link)

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Reader Participation

bmj.com

MRS Internet Journal of Nitride Semiconductor Research
Help us with ELPS

Coinciding with our theme issue on the impact of new technologies on medicine and medical journals, we asked readers' advice on how we should shorten articles for publication in the paper journal. (The full article would continue to be published on the journal's website.)

We believe that this model of publishing, which we call "ELPS" (for electronic-long; paper-short), will address the sometimes conflicting needs of specialist and generalist readers.

To help readers come to their decision, we asked the following questions:

- What matters to you when you read a paper?
- Is it readability or detail on methodology?
- Should we provide as much information as possible to allow critical appraisal, or should we focus on clear presentation?
- When shortening articles for the paper journal, what do you think we should give priority to?

And lest readers thought that combining readability with appraisability was easy, we alerted them to what reports of randomised controlled trials needed to include to be properly appraisable. [click here]

As well as giving readers the opportunity to send us comments we had two questionnaires.
**Questionnaire 2**

Which of nine short versions of the same **long article** do you prefer?

| Version 1: Structured short version, traditional structure [26] |
| Version 2: Traditionally structured short version with emphasis on methods [10] |
| Version 3: Journalistic style with main message in the first sentence and additional information later in the text [19] |
| Version 5: Journalistic style (serious newspaper) [29] |
| Version 6: Enhanced abstract and problem orientated structure of the main body of the text [21] |
| Version 7: Structured according to CONSORT (failed), but with more emphasis on methods and results [7] |
| Version 8: Diary style [4] |
| Version 9: Novelistic approach [0] |

A **separate file** contains the elements common to all the versions: abstracts, full list of authors, and statements on funding and competing interests.

Return to index page
Contributing to the MIJ-NSR reference database

The reference database of the MRS Internet Journal of Nitride Semiconductor Research depends on contributions to make it complete. It started with about 200 recent references, including abstracts, and about 300 older ones, without abstracts. Readers have contributed several hundred, and many more have been submitted in conjunction with papers submitted to the journal. (Although we can search on the abstracts, we cannot make the text available unless we have permission from the copyright holders. (That means the journals, not the authors.))

The data in the database has a number of shortcomings:

- The older items have no abstracts.
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- Only one original item had a citation list available.
- Some items have some idiosyncratic capitalization, (Algän, Inn), and no superscripts or subscripts.
- New items need to be added. This is partly being done by a group of volunteers. To participate, contact the journalmaster.
- There are few books in the database.

You'll probably want to start by making sure your own papers have been properly entered. Start by checking to make sure they're not already there. Do a search on the first three authors' last names. Searching will always be more up-to-date than the listings by author or by journal.

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A critical review of methodology and interpretation of mirror self-recognition research in nonhuman primates

Monique W. De Veer*, Ruud van den Bos†

*Animal Welfare Centre, Utrecht University
†Institute of Evolutionary and Ecological Sciences, Theoretical Biology & Phylogenetics, University of Leiden, The Netherlands

(Received September 4, 1998; received in revised form November 25, 1998; accepted April 30, 1999; published electronically September 7, 1999)

Abstract

In this paper we critically review conceptual and methodological issues of mirror self-exploration research. We conclude that: (1) mirror self-exploration provides evidence for mirror self-recognition; (2) inter- and intraspecific...
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BREAKTHROUGH OF THE YEAR:
Capturing the Promise of Youth

Gretchen Vogel

Late last year, in a technological breakthrough that triggered a burst of research and a whirlwind of ethical debate, two teams of researchers announced that they had managed to keep embryonic and fetal human cells at their maximum potential, ready to be steered into becoming any cell in the body. Building on that achievement, in 1999 developmental biologists and biomedical researchers published more than a dozen landmark papers on the remarkable abilities of these so-called stem cells. We salute this work, which raises hopes of dazzling medical applications and also forces scientists to reconsider fundamental ideas about how cells grow up, as 1999’s Breakthrough of the Year.
BREAKTHROUGH OF THE YEAR:
Capturing the Promise of Youth
Gretchen Vogel
Science 1999 December 17; 286: 2238-2239. (in News) [Summary] [Full Text]

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This Web version June 1997

Abstract

The most innovative online journals are maturing rapidly and distinctive new features are emerging. Foremost among these features is the hypertext link, popularised by the World Wide Web and which will form the basis of a new, highly integrated scholarly literature. Journal integration in this instance seeks to recognise, extend and exploit relationships at the level of journal content the papers while maintaining some of the familiar contexts, in some cases journal identities, that define the content hierarchy and inform decision-making by readers. Links are a powerful tool for journal integration, most immediately in the form of citation linking. The paper reviews examples of citation linking in practice, and describes a new system, a link service, which is being developed to support novel and flexible linking mechanisms on the Web. One application of this link service is the Open Journal project, which is working with journal publishers to investigate the most effective ways of
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How Dynamic E-journals can Interconnect Open Access Archives

Steve Hitchcock* and Wendy Hall**

IAM Research Group, Department of Electronics and Computer Science
University of Southampton SO17 1BJ, UK
Contact email: sh94r@ecs.soton.ac.uk
Author Web pages and more papers by the authors in the ECS Southampton archive:
*Web page, papers; **Web page, papers

Abstract. Influential scientists are urging journal publishers to free their published works so they can be accessed in comprehensive digital archives. That would create the opportunity for new services that dynamically interconnect material in the archives. To achieve this, two issues endemic to scholarly journal publishing need to be tackled: decoupling journal content from publishing process, defragmentation of the control of access to works at the article level. It is not necessary to wait for publishers to act. It was predicted that, enabled by links, e-journal publishing will become more distributed. (Hitchcock et al. 1998) An editorially controlled new model e-journal that links material from over 100 distributed, open access sources realises that prediction. Perspectives in Electronic Publishing (PeP) combines the functions of a review journal with original materials and access to full-text papers on a focussed topic, in this case on electronic publishing, in a single coherent package that indexes and links selected works. The paper describes the main features of PeP and how it can be used, and considers whether PeP contributes to the scientists' objective of a dynamic and integrated scientific literature.

Presented at the 1CCCP/IP/IP 5th Conference on Electronic Publishing - ELPUB2001, University of Kent at Canterbury, UK, July 2001. This version of the paper is an html copy of that presented in the conference.
EXPLORATIVE

- Database Linking
- Demonstration
- Modeling
Database Linking

*Astrophysical Journal*
Blackwell Science / Synergy
IDEAL Online Library
REFERENCES

- Girardi, M., Borgani, S., Giricin, G., Mardirossian, F., & Mezzetti, M.
Title: RX J0911.4+0551: A new multiple QSO selected from the ROSAT All-Sky Survey.

Authors: Bade, N., Siebert, J., Lopez, S., Voges, W., Reimers, D.


Publication Date: 01/1997

Origin: A&A via CDS

A&A Keywords: QUASARS: GENERAL, QUASARS: INDIVIDUAL: RX J0911.4+0551, GRAVITATIONAL LENSING

Abstract Copyright: (c) 1997: Astronomy & Astrophysics

Oxidized galectin-1 promotes axonal regeneration in peripheral nerves but does not possess lectin properties

Yoshimasa Inagaki¹ ², Yoshiaki Sohma¹, Hidenori Horie³, Risa Nozawa¹ and Toshikiko Kadoya¹

Galectin-1 has recently been identified as a factor that regulates initial axonal growth in peripheral nerves after axotomy. Although galectin-1 is a well-known β-galactoside-binding lectin, its potential to promote axonal regeneration as a lectin has not been reported. It is essential that the process of initial repair in peripheral nerves after axotomy is well clarified. We therefore undertook to investigate the relation between the structure and axonal regeneration-promoting activity of galectin-1. Recombinant human galectin-1 secreted into the culture supernatant of transfected COS1 cells (rhGAL-1/COS1) was purified under nonreducing conditions and subjected to structural analysis. Mass spectrometric analysis of peptide fragments from rhGAL-1/COS1 revealed that the secreted protein exists as an oxidized form containing three intramolecular disulfide bonds (Cys2-Cys130, Cys16-Cys88 and Cys42-Cys60). Recombinant human galectin-1 (rhGAL-1) and a galectin-1 mutant in which all six cysteine residues were replaced by serine (CSGAL-1) were expressed in and purified from Escherichia coli for further analysis; the purified rhGAL-1 was subjected to oxidation, which induced the same pattern of disulfide linkages as that observed in rhGAL-1/COS1. Oxidized rhGAL-1 enhanced axonal regeneration from the transected nerve sites of adult rat dorsal root ganglion explants with associated nerve stumps (5.0–5000 pg·mL⁻¹), but it lacked lectin activity. In contrast, CSGAL-1 induced hemagglutination of rabbit erythrocytes but lacked axonal regeneration-promoting activity. These results indicate that galectin-1 promotes axonal regeneration only in the oxidized form containing three intramolecular disulfide bonds.
1. Nash HH, Borke RC, Anders JJ.
   New method of purification for establishing primary cultures of ensheathing cells from the adult olfactory bulb.
   PMID: 11307137 [PubMed - as supplied by publisher]

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   PMID: 11303746 [PubMed - in process]

3. Woodhall E, West AK, Chuah MI.
   Cultured olfactory ensheathing cells express nerve growth factor, brain-derived neurotrophic factor, glia cell line-derived neurotrophic factor and their receptors.
   PMID: 11295230 [PubMed - in process]
A critical review of methodology and interpretation of mirror self-recognition research in nonhuman primates

Monique W. De Veer*, Ruud van den Bos†

*Animal Welfare Centre, Utrecht University
†Institute of Evolutionary and Ecological Sciences, Theoretical Biology & Phylogenetics, University of Leiden, The Netherlands

(Received September 4, 1998; received in revised form November 25, 1998; accepted April 30, 1999; published electronically September 7, 1999)
1. De Veer MW, van den Bos R.
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   Anim Behav. 1999 Sep;58(3):459-68.
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3. Swartz KB.
   What is mirror self-recognition in nonhuman primates, and what is it not?
   PMID: 9237463 [PubMed - indexed for MEDLINE]
Demonstrations

Interactive Multimedia Electronic Journal of Computer-Enhanced Education

Development (Company of Biologists)
1. Introduction

From January through May 1999, and again in 2000, a computer networked graduate course connected education students from the University of Oulu in Finland with peers from the University of Massachusetts Lowell in a shared, project-centered academic endeavor. The course, Open & Flexible Learning (OFL), was offered...
Due to the asynchronous and "distant" nature of the course, students were urged to sustain regular communication with instructors, tutors and peers. They were also responsible for reviewing online or library-based course materials, and to reflect this research in all written communication. Threaded discussion forums offered a capacity for academically focused conversation among peers and between students and members of the instructional team. Students worked on thematic concentrations of their choice, but were expected to show mastery of the broader substantive context. In order to promote cross-border communication and awareness-building, two or three synchronous ISDN video conferences were conducted at critical points in the two course timetables.

Within the course environment, an online "library" provided a collection of resources developed or selected by the instructors and tutors. This library was divided into five major categories. The first contained pointers to "core readings," which every student was required to examine critically at the earliest possible date. This reading provided common ground for subsequent peer communication. The next three library categories divided resources into the "cornerstone" content clusters described above (Pedagogy, Technology, Management & Social Organization.) The fifth category (General Resources & Information) provided glossaries and other reference tools. The library was rounded out with multimedia resources (e.g., streamed video, PowerPoint slides.)
Movie Index

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      - Clonal analysis of Drosophila embryonic neuroblasts
Fig. 4

Quantitative analysis of Dd-STATa nuclear translocation in prespore cells
Modeling

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Appendix 9. NonPoint

NonPoint is software that accompanies the report by Carpenter et al. (1999). NonPoint models the dynamic interactions between a lake subject to pollution and a society that depends on the lake. Actors in various simulations include scientists, economists, regulators, farmers, soils, lakes and you the game player. The three models described by Carpenter et al. (1999) are Market Manager, Governing Board and Land Manager.

View the Documentation

Download the Program
NonPointInstall.exe
Self-extracting archive, 2.3 Mb
EXPRESSIVE

• Discussion Forums
• Dynamic Articles
• Reactive e-Journals
Discussion Forums

McLuhan Studies
MRS Internet Journal of Nitride
Semiconductor Research
Sociological Research Online
McLuhan Studies : Discussion Forum

Post a Message to McLuhan Studies

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  - correction of message - AB YB 15:30:10 8/05/99 (0)
- new technologies... - Alistair B. Fraser 11:48:56 6/13/99 (0)
  - global village essay - burrough 07:36:11 4/12/99 (1)
    - Re: global village essay - Salil 21:29:33 7/6/99 (0)
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- discussing human rationality - berblo 11:38:39 3/6/99 (0)
  - Szasz - david herman 03:10:30 2/13/99 (1)
    - Re: Szasz - david herman 00:32:28 6/10/99 (0)
  - the medium is not the message - dimitri 00:48:00 9/27/98 (1)
    - Re: the medium is not the message - Joseph Porrovecchio 15:28:11 9/27/98 (0)
- Web Links - Peter Montgomery 16:13:15 7/21/98 (0)
  - disappointed - a. humber 13:38:54 7/9/98 (2)
    - Re: disappointed - Joseph Porrovecchio 15:36:42 9/27/98 (0)
The Discussions

Discussion Demo (5 messages)
For you to test the posting process.

Grab Bag Discussion Forum (0 messages)
Anything related to nitride semiconductor research.

Substrates Discussion Forum (8 messages)
A discussion of alternative substrates for GaN epitaxy. (Even sapphire is fair game!)

Open Forum Discussion on the Nichia Blue Laser (0 messages)
What the Nichia laser diode means for the rest of us.

Properties of Nitride Semiconductors (14 messages)
An interactive reference section.

Discussion on Doping of III-V Nitride Semiconductors (4 messages)
Doping and conductivity, ohmic contact technology, doping and growth technologies, doping and defects, doping and thermal annealing,

Highlights of the Nitride Symposium at the 1996 Fall MRS Meeting (0 messages)
Review and discussion of Symposium N

Discussions of MIJ-NSR Articles

Discussion of Article 1 in Volume 1 (1 messages)
ScAlMgO₄: an Oxide Substrate for GaN Epitaxy

Welcome to MIJ-NSR Discussions
Sociological Research Online

Pinboard

Dear Editor

yours sincerely

Professional issues in Sociology

Notes & Queries

Announcements
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projects
calls
books

Reports

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directory
Dynamic Articles

Cochrane Library

Science's stke: Signal Transduction

Knowledge Environment
Abstracts of New and Updated Cochrane Reviews

The Cochrane Library Issue 2, 2001

The full text of these reviews and protocols is available in [The Cochrane Library].

New indicates the review is new in the current release of the Library. Update indicates the review has been substantially amended since the last issue of the Library. Note: 'Protocols' are the introduction, objectives, materials and methods for reviews currently being prepared.

New Reviews

- **New** A comparison of speech and language therapy techniques for dysarthria in Parkinson’s Disease (Cochrane Review)
- **New** Aciclovir for Bell’s palsy (idiopathic facial paralysis) (Cochrane Review)
- **New** Advanced trauma life support training for ambulance crews (Cochrane Review)
- **New** Antibiotic prophylaxis for mammalian bites (Cochrane Review)
- **New** Antibiotics versus placebo for prevention of postoperative infection after appendicectomy (Cochrane Review)
- **New** Antidepressant drug treatment for postnatal depression (Cochrane Review)
- **New** Antidepressant versus placebo for depressed elderly (Cochrane Review)
- **New** Antidepressants using active placebos (Cochrane Review)
- **New** Antihypertensive drug therapy for mild to moderate hypertension during pregnancy (Cochrane Review)
- **New** Biphasic versus monohasric oral contraceptives for contraception (Cochrane Review)
Updated Reviews

- Aerosolized diuretics for preterm infants with (or developing) chronic lung disease (Cochrane Review)
- Amantadine and rimantadine for preventing and treating influenza A in adults (Cochrane Review)
- Antibiotic prophylaxis for intrauterine contraceptive device insertion (Cochrane Review)
- Antibiotics for asymptomatic bacteriuria in pregnancy (Cochrane Review)
- Antidepressant plus benzodiazepine for major depression (Cochrane Review)
- Antipsychotic medication for those with both schizophrenia and learning disability (Cochrane Review)
- Colloid solutions for fluid resuscitation (Cochrane Review)
- Compression for venous leg ulcers (Cochrane Review)
- Conservative interventions for treating distal radial fractures in adults (Cochrane Review)
- Conservative management for post prostatectomy urinary incontinence (Cochrane Review)
- Continuous electronic heart rate monitoring for fetal assessment during labor (Cochrane Review)
- Corticosteroid therapy for nephrotic syndrome in children (Cochrane Review)
- Dehydroepiandrosterone (DHEA) supplementation for cognitive function (Cochrane Review)
- Delayed (>3 weeks) postnatal corticosteroids for chronic lung disease in preterm infants (Cochrane Review)
- Diuretics for respiratory distress syndrome in preterm infants (Cochrane Review)
- Effects of nonsteroidal anti-inflammatory drugs on post-operative renal function in normal adults (Cochrane Review)
- Efficacy and safety of Nicotine on Alzheimer's disease patients (Cochrane Review)
- Elective caesarean section versus expectant management for delivery of the small baby (Cochrane Review)
- Elective delivery in diabetic pregnant women (Cochrane Review)
- Erythromycin for feeding intolerance in preterm infants (Cochrane Review)
- Extramedullary fixation implants for extracapsular hip fractures (Cochrane Review)
- Gamma-aminobutyric acid agonists for neuroleptic-induced tardive dyskinesia (Cochrane Review)
**STKE Reviews** address timely topics of broad interest and of relevance to signal transduction. Unlike conventional reviews, they are updated by their authors as developments warrant. Most Reviews are solicited by the editors, but we welcome your suggestions of potential topics and authors.

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*Science's STKE:* http://stke.sciencemag.org/cgi/content/full/OC_sigtrans;2001/7/rel1  
[Gloss] [Abstract] [Full Text]

**Jose M. Alonso and Joseph R. Ecker (20 Feb 2001)**  
**The Ethylene Pathway: A Paradigm for Plant Hormone Signaling and Interaction**  
*Science's STKE:* http://stke.sciencemag.org/cgi/content/full/OC_sigtrans;2001/70/rel1  
[Gloss] [Abstract] [Full Text]

**Malcolm Whitman and Mark Mercola (9 Jan 2001)**  
**TGF-β Superfamily Signaling and Left-Right Asymmetry**  
*Science's STKE:* http://stke.sciencemag.org/cgi/content/full/OC_sigtrans;2001/64/rel1  
[Gloss] [Abstract] [Full Text]
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Conservation Ecology

Internet Journal of Chemistry

Journal of Interactive Media in Education
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Authors: Walters et al

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Abstract

in the article

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Georgios V. Gkoutos\textsuperscript{a}, Philip R. Kenway\textsuperscript{b}, Peter Murray-Rust\textsuperscript{c}, Henry S. Rzepa\textsuperscript{a}, Michael Wright\textsuperscript{a}

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Contact IJC
Updated 14 April, 1999

Submission to Journal of Interactive Media in Education

WebGuide: Guiding Collaborative Learning on the Web with Perspectives

Gerry Stahl

Center for LifeLong Learning & Design
and Institute of Cognitive Science
University of Colorado
Boulder, CO, USA

Originality & Importance of Ideas
Re: Originality & Importance: Who leads the debate?
Re: Importance/Originality: Who will win?
Re: Originality & Importance of Ideas
Methodology - teach as you preach
Hans van der Meij's technical issues
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User-based scenarios: use - in - action & refraction
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EDITORIAL (Gary Boyd), 8 Nov 2000

Clarity of Goals
Re: Clarity of Goals (Gary Boyd), 15 Sep 2000
Re: Clarity of Goals collaborative space or tool
What are the strengths and weaknesses?

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- Title listing of each reference by journal (349K)
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(password-protected - for committee members only)

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The Ave Valley, northern Portugal: an archaeological survey of Iron Age and Roman settlement

Martin Millett, Francisco Queiroga, Kris Strutt, Jeremy Taylor and Steven Willis

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Ave Valley Data Sets - Data Help

All the following data sets have been made available through Internet Archaeology for query online (many are interconnected so that you do not need to keep returning to this page). Some basic help on searching the data online has been provided, and tips on searching have also been inserted by individual search boxes in the query forms.

All of this data (as well as the underlying geospatial data) can also be downloaded (as comma delimited text files) for import into your own database and GIS software from the digital archive of this publication available via the ADS website.

<table>
<thead>
<tr>
<th>Data set</th>
<th>Data Description</th>
<th>Number of records</th>
</tr>
</thead>
<tbody>
<tr>
<td>First walk</td>
<td>Attribute data for known settlement locations excluding settlements identified during the course of fieldwork. Map search.</td>
<td>61 records</td>
</tr>
<tr>
<td>Known locations prior to survey</td>
<td>Details relating to the conditions under which individual fields were walked. Map search.</td>
<td>855 records</td>
</tr>
<tr>
<td>Fieldwalking record</td>
<td>With links to images</td>
<td>17 records</td>
</tr>
<tr>
<td>Geophysical survey details</td>
<td>Pottery quantities per field, broken down by fabric - first walk only.</td>
<td>655 records</td>
</tr>
<tr>
<td>Quantities of pottery</td>
<td>Detailed pottery attributes (core dataset) - first walk only.</td>
<td>5537 records (9871 sherds)</td>
</tr>
<tr>
<td>Pottery details</td>
<td>Pottery from pit disturbance close to Field 823 - not in core pottery dataset.</td>
<td>38 records</td>
</tr>
<tr>
<td>Pottery from 823a</td>
<td>Not in main pottery dataset.</td>
<td>5 records</td>
</tr>
<tr>
<td>Pottery quantities per hectare</td>
<td>Grouped by fabric.</td>
<td>855 records</td>
</tr>
<tr>
<td>Quantities of brick</td>
<td>First walk only.</td>
<td>12 records</td>
</tr>
<tr>
<td>Quantities of tile</td>
<td>Quantities tile fabrics per field - first walk only.</td>
<td>855 records</td>
</tr>
</tbody>
</table>
Ave Valley Survey: Known Site Locations Query Form

Use this form to query attributes of known sites in the region prior to survey. View map of region.
Select the fields you wish to view, enter qualifiers in the fields to define your search, then select the 'Search' button.

Return a maximum of 100 records per page from this query.

- Site Name: Vila Boa
- Site Type: Cemetery

Insert number of visible Castros/Roman settlements within 6km e.g. <>0, >2 etc.
Matches: 1.

<table>
<thead>
<tr>
<th>Map Number</th>
<th>340</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site Name</td>
<td>Vila Boa</td>
</tr>
<tr>
<td>Parish Town</td>
<td>Guilhábreu</td>
</tr>
<tr>
<td>District</td>
<td>Vila do Conde</td>
</tr>
<tr>
<td>Longitude</td>
<td></td>
</tr>
<tr>
<td>Latitude</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>530774</td>
</tr>
<tr>
<td>Y</td>
<td>4572210</td>
</tr>
<tr>
<td>Altitude (metres ASL)</td>
<td>140</td>
</tr>
<tr>
<td>Geology</td>
<td>Granite</td>
</tr>
<tr>
<td>Site Type</td>
<td>Cemetery</td>
</tr>
<tr>
<td>Period</td>
<td>Roman</td>
</tr>
<tr>
<td>References</td>
<td>Coelho da Silva 1980, Almeida 1969</td>
</tr>
<tr>
<td>Data Source</td>
<td>Alarcão 1988</td>
</tr>
<tr>
<td>Situation</td>
<td>River Valley Terrace</td>
</tr>
<tr>
<td>Aspect Of Slope</td>
<td>south-west</td>
</tr>
<tr>
<td>Immediate Gradient (degrees)</td>
<td>4-8</td>
</tr>
<tr>
<td>Surrounding Gradient (degrees)</td>
<td>16-20</td>
</tr>
<tr>
<td>Visible Castros</td>
<td>1</td>
</tr>
<tr>
<td>Visible Roman settlements</td>
<td>0</td>
</tr>
</tbody>
</table>
Map 1: Map of known settlements prior to survey
Select site to retrieve database entry

Red square = Castro (based on Queiroga 1992); blue circle = Other site (based on Alarcão 1988)
Supplemental Data

The list below highlights the items from *Science* which have additional online-only components. This area presents material which extends beyond the coverage of the print product to include information such as extended tables of data, explanatory figures, and details of experimental methods. In accordance with the membership policies of AAAS, the summaries and abstracts are available free to registered users, the full text is available to online subscribers, but the supplementary material is freely available to all who are interested.

**Volume 292 -- April - June 2001**

- [Expanding the Genetic Code of *Escherichia coli*](#)
  - L. Wang, A. Brock, B. Herberich, P.G. Schultz
  - [Supplementary Information](#)

- [Enlarging the Amino Acid Set of *Escherichia coli* by Infiltration of the Valine Coding Pathway](#)
  - [Supplementary Information](#)

- *astray*, a Zebrafish *roundabout* Homolog Required for Retinal Axon Guidance
  - C. Fricke, J.-S. Lee, S. Geiger-Rudolph, F. Bonhoeffer, C. B. Chien
  - [Supplementary Information](#)

- Fast Backprojections from the Motion to the Primary Visual Area Necessary for Visual Awareness
  - A. Pascual-Leone and V. Walsh
  - [Supplementary Information](#)
Supplementary Material

Lipophilic dye labeling

Retinal projections were anterogradely labeled by mounting paraformaldehyde-fixed larval zebrafish in agarose, and pressure-injecting a 1% chloroform solution of DiO, DiI, or DiD (Molecular Probes) between the lens and neural retina to label the entire RGC layer. In some cases, labeled eyes were dissected off shortly before imaging. Confocal projections were then taken with appropriate filters on an Olympus Fluoview microscope. 3D datasets were edited in ImageJ and NIH Image to remove background and fluorescence from the labeled eye(s), flattened using a maximum-intensity projection, and montaged in Adobe Photoshop. For penetrance analysis, both eyes were injected, then scored in a dorsal view using a conventional epifluorescence microscope.

Antibody staining

The zn-5 antibody (also known as zn-8, Developmental Studies Hybridoma Bank) was diluted 1:500. Phenylthiourea-treated embryos were staged by age and morphology [C. B. Kimmel, W. W. Ballard, S. R. Kimmel, B. Ulmann, T. F. Schilling, Dev Dyn 203, 253 (1995)] and processed using standard protocols for antibody staining and the Vectastain ABC-kit (Vector Laboratories).

Eye transplants

Age-matched embryos were collected from wildtype or ti277z incrosses, and donors labeled at the one-cell stage with the lineage marker rhodamine-dextran (RhDx). At 5-10 somites (12 hpf), host and donor embryos were mounted in droplets of 1.2% low-melt agarose in fish Ringer's. A small window was opened in the epidermis above their right eye primordia using a drop of mineral oil [G. A. Hyatt, et al., Development 122, 195-204 (1996)]. The host eye was removed and the donor eye inserted using sharpened tungsten microneedles and a wire microloop. The resulting
EXTENDED

- Intelligent e-Journals
- Knowledge Bases
- OpenURL Framework
Two weeks before Christmas last year, I submitted the posting below to several e-lists and received great interest but no candidates. As it is about Two Before Spring [and a week before St. Patrick's Day [Go Irish!], I am once again soliciting nominations of Intelligent E-Journals.

/Gerry McK

I am interested in learning of *any* and *all* e-journals [or e-magazines or e-newsletters or e-newspapers] that monitor the interaction of a reader with the publication and based on such implicit behavior(s) customizes the publication to match these 'expressed' interests so that the reader is provided with (more) content that is similar / related to the content that he/she had previously selected/read. [Whew, What a sentence! :-)]

[Update: It's kinda like the PageYouMade feature in Amazon.com ] [?]
Adaptive Personalization

The core of the Adaptive Information Server is our adaptive recommendation engine, which uses content-based user profiles to provide automatic information prioritization. This powerful engine learns quickly and adapts vertical application information to individual user preferences. Users intuitively create their own personalized profiles by using the system. It's that simple. There are no keywords to specify, no dialog boxes, no checklists, and no mandatory web questionnaires.

Personalization is clearly the key to improving the user experience, but the term is loosely used by many vendors to describe very rudimentary functionality. On the "wired" web, personalization can refer to everything from specifying the color scheme of a web site to recommending items to purchase. Carriers on the wireless web often use the term for functionality that allows users to put their favorite wireless sites on a customized start page. Content providers, such as news organizations, restaurant guidies, and advertisers use the term personalization to refer to the process of selecting a subset of relevant items. The Adaptive Information Server is a unique solution to content personalization. It allows individuals to intuitively receive personalized information that is tailored to their specific interests and preferences. Small screens and slow connections of wireless devices make true personalization critical to user acceptance of mobile applications.
Recommendations

Our Recommendations service is a way of making sure that you don't miss the perfect item. We determine your interests by examining the items you've purchased, items you've told us you own, and items you've rated. We then compare your activity on our site to that of other customers. Using this comparison, we are able to recommend other items that you may be interested in.

Your recommendations will change when you purchase or rate a new item. Changes in the interests of other customers may also affect your own recommendations. Because your list will fluctuate, we suggest you add items that interest you to your Wish List or Shopping Cart. We wouldn't want you to miss something you may enjoy!

How Do I Refine My Recommendations?

You can refine items in your recommendation lists by using the I Own It and Not Interested buttons to indicate your likes and dislikes. You can also click the "Why was I recommended this" link to display exactly which purchases and ratings we used to make a recommendation and rate or exclude those items.

What Happens to My Recommendations When I Tell You I Own an Item or That I'm Not Interested?

Clicking the I Own It button for a recommended item tells us that we shouldn't recommend that item to you anymore. If you choose to rate the item you told us you own, we will update your recommendations and display items more or less like it depending on your feedback. Clicking the Not Interested button for a given item will fine-tune your lists so that you will see products less like the recommended item.
Databases - The Journals of the 21st Century

Contribution from:
Stephen R. Heller
NIST, SRD
Gaithersburg, MD 20899 USA

Keywords: Electronic Publishing, Copyright, Databases, Publishing Economics, Libraries, Archiving

Outline

- Abstract
- Introduction and Background
- User Requirements
- The New Database Journal
- Database/Journal Pricing
- Unresolved Issues
- Conclusions
- Acknowledgments
- References

Abstract

This manuscript will describe what is now happening in electronic publishing in chemistry and predict what much of scientific publishing in chemistry is likely to look like in 20-30 years from now. As chemists become more interested in and need factual data (chemical and physical properties, chemical structures, and reactions, and so on), the ability to easily submit, retrieve, use, and correct data in a database will prove much more attractive and valuable than the current model of publishing a scholarly manuscript as a separate and independent entity.
The New Database Journal

What I am proposing in this article is the structure of a new model and form of scholarly communication. In many ways its structure, organization, and staffing is similar to that of the current journal publication, but there are some critical differences. Besides a number of technical issues, there are serious political and financial issues that will have to be solved.

What I envision as the main future repository of scientific information in this new model is a collection of databases, all linked together, wherever useful and feasible. Certainly having direct hyperlinked access to a reference or piece of data is much more useful and valuable than just a bibliographic citation. Certainly these hyperlinks will make the life of a librarian considerably easier and more productive in that there will be fewer requests for locating and obtaining journals and other sources of information, thus leaving more time for problems that require a trained librarian. I definitely believe and realize that not all scholarly chemistry endeavors will fit into this database scheme, since there will always be a need for theories and high-level discussions and overviews of different areas of chemistry, and science in general. Certainly this article is one example of a manuscript that does not fit this new concept, being an all-text article. There will also be a need for articles with various forms of multimedia, and publications such as the Internet Journal of Chemistry (IJC) (14) will be ideal for these. However, in chemistry and molecular biology, databases, which have become so important in the past 10-15 years, will be even more important and valuable resources and commodities in the 21st century.

As a specific example of how the new journals could work and look, I will consider the Journal of Physical and Chemical Reference Data (JPCRD) (15). JPCRD, a joint venture of the American Institute of Physics (AIP), the American Chemical Society (ACS), and the National Institute of Standards and Technology (NIST), was first published in 1972. The participation of these organizations is a recognition of the key roles that the federal government, the scientific community, and professional societies play in the endeavor to provide high quality reference data.

JPCRD is currently a bimonthly print journal. In 1996 its ISI impact factor (11) was 5.82. The crucial requirements for publication are that articles assess the quality of the published information and contain full documentation as to the source of the original measurements and the criteria used for selection and evaluation of the data. Monographs and supplements to the Journal, which are articles too lengthy for a typical print issue, are published separately. The
Proteome, Inc. Merges with Incyte Genomics
Proteome, Inc. provides knowledge resources combining information on the proteins and genes of human, mouse, and rat, and several model organisms. Proteome’s expert curators review the scientific literature to produce a proteome database of unparalleled depth and the highest quality annotation.

Subscription products: The BioKnowledge™ Library consists of Proteome Survey Databases for the mammals human, mouse, and rat and Proteome Databases for model organisms and pathogens. Each species is treated in a ‘volume’ of the Library.

BioKnowledge™ Library Volumes:

- HumanPSD™ - A Proteome Survey Database for the mammals human, mouse, and rat
- YPD™ - Yeast Proteome Database: *Saccharomyces cerevisiae*
- CaIPD™ - Candida albicans Proteome Database
- WcrmPD™ - Worm Proteome Database: *Caenorhabditis elegans*
- PompexPD™ - Pombe Proteome Database: *Schizosaccharomyces pombe*
- GPCR-PD™ - G Protein-Coupled Receptors & associated signaling proteins in human, mouse, and rat

Users of Proteome’s BioKnowledge™ Library can follow connections seamlessly across all volumes, thus moving easily between species. Data from all species is incorporated into a single relational database schema. The Web interface for each of the component volumes follows the same proven Proteome Database format. Subscribers have access to an expanding set of information content and software tools, including:
Creating a global knowledge network

Paul Ginsparg
Los Alamos National Laboratory, Los Alamos, NM


- Abstract
- Some arXiv background
- The real lesson of the electronic distribution format
- The near future?
- References

Abstract: If we were to start from scratch today to design a quality-controlled archive and distribution system for research findings, would it be realized as a set of “electronic clones” of print journals? Could we imagine instead some form of incipient knowledge network for our research communications infrastructure? What differences should be expected in its realization for different scientific research fields? Is there an obvious alternative to the false dichotomy of “classical peer review” vs. no quality control at all? What is the proper role of governments and their funding agencies in this enterprise, and what might be the role of suitably configured professional societies? These are some of the key questions raised by the past decade of initial experience with new forms of electronic research infrastructure. In the below, I will suggest only some partial answers to the above, with more complete answers expected on the 5-10 year timescale.

Some arXiv background
“Knowledge”

info
data

A Future with a View
KBL(sm):

A Registry of Library Knowledge Bases

For a new registry, I am greatly interested in identifying library-created or library-related Knowledge Bases. A Knowledge Base / Knowledgebase may be defined viewed as a database with a focus on empirical or practical knowledge. In recent years, Knowledge bases have become common components for many businesses and services. The RealNetworks "RealSystem Knowledge Base"

http://service.real.com/kb/

is an excellent example of a technical support knowledge base.

I am interested in library-created OR library-related Knowledge Bases

Excellent examples of library-created knowledge bases are the "VID Knowledge Base 2000-2001" for the Virtual Information Desk of the Pennsylvania Inter-Library Online Library (PILOT):

http://libweb.mnsfld.edu/vid/vid-kb.asp

AND
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Open Linking in the Scholarly Information Environment Using the OpenURL Framework

Herbert Van de Sompel
Cornell University
herbertv@cs.cornell.edu

Oren Beit-Arie
Ex Libris (USA) Inc.
oren@exlibris-usa.com

Abstract

This paper provides insights into the concepts underlying the OpenURL framework for open reference linking in the web-based scholarly information environment. The discussion starts by briefly reiterating the problems with reference linking that were initially described and later addressed as part of the SFX research. Some notions crucial to the understanding of the issues at stake are briefly described: extended service-links, closed and non-context-sensitive linking, open and context-sensitive linking. Then, the paper details the OpenURL framework and reports on its current deployment in the scholarly information environment. As an illustration of the penetration of the OpenURL framework, special attention is accorded to a prototype in which the...
Imagine a search result page containing links to hundreds of related items, regardless of location, media format, and language. (Well, OK, maybe not language quite yet.) Your initial item is cross-referenced via hypertext links to other materials using descriptors such as:

- Full text materials <free or as document delivery>
- Author searches <of books and/or articles>
- Journal article subject searches (by controlled subject terms or 'find similar' techniques)
- OPAC book catalog searches
- Citation analyses
- ISI related records (citation cluster analysis)
- Movies
ARTICLES

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Generalizing the OpenURL Framework beyond References to Scholarly Works

The Bison-Futé Model

Herbert Van de Sompel
Cornell University
herbertv@cs.cornell.edu

Oren Beit-Arie
Ex Libris (USA), Inc.
oren@exlibris-usa.com

Abstract

This paper introduces the Bison-Futé model, a conceptual generalization of the OpenURL framework for open and context-sensitive reference linking in the web-based scholarly information environment.
Weaving the Web
TIM BERNERS-LEE
THE ORIGINAL DESIGN and ULTIMATE DESTINY of the WORLD WIDE WEB BY ITS INVENTOR
The vision I have … is about anything being connected with anything. It is a vision that provides us with new freedom, and allows us to grow faster than we ever could when we were fettered by the … systems into which we bound ourselves.

DEDICATION
The Broadway Revival production of *Damn Yankees* has ended its worldwide engagements.

Official *Damn Yankees* souvenirs are still available for sale online (now collectors pieces!) in partnership with Theatre.com.

Relive the memories! take a look at the original website elements.

Fly to Theatre.com

THEATRE.COM
{->->} FOR FREE NOW!

License *Damn Yankees* now for your own production with MTI!

[site developed courtesy of Broadway Online Inc.]
SEIZE THE E!

With Apologies to
Saul Bellow
THANK YOU FOR YOUR ATTENTION
The Static and the Dynamic: Embedded Multimedia in Electronic Journals

Technicalities 20(4): 1, 11-14
July/August 2000
E is for Everything: The Extra-Ordinary, Evolutionary [e-]Journal

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