

# Cornell Conference on Open Access Scholarship

Philip Lewis Auditorium, Goldwin Smith Hall  
Cornell University  
9 May 2005

Program with bookmarks & links to presentations

# Welcome and Overview

— [ 1. Broad Overview of Open Access

— [ 2. Developing a Specific Digital Archive

— [ 3. Panels & Discussion

# Part 1

— [ Part 1. Moderator: Ross Atkinson, Associate University Librarian

— [ Welcome and Overview

J. Robert Cooke, Professor and former Dean of the University Faculty

— [ The Cornell Library and Its Contributions to Open Access

Sarah E. Thomas, C. A. Kroch University Librarian

— [ Cornell University Library's Publishing Model for Scholarly Literature

Terry Ehling, Director of Electronic Publishing at Cornell University

# Part 1, cont'd

— [ Overview of the Open Access Movement: National and International

Paul Ginsparg, Physics & Computing and Info. Sci. and Founder of arXiv.org e-Print

— [ Trends in Online Theses and Dissertations: National and International

Gail McMillan, Director, Digital Library and Archives, Virginia Tech

— [ Discussion

# Part 2

— [ **Part 2. Moderator: Kenneth M. King**

former VP Computing at Cornell and former President of EDUCOM

— [ **Internet-First University Press and  
Creating Departmental and College Digital Repositories**

J. Robert Cooke, Biol. and Env. Engr.

— [ **Demo of Quick Submit Interface for Digital Repository**

George Kozak, Digital Library Info. Tech of Cornell Library

— [ **BREAK (with coffee)**

# Part 3

— [ Part 3. Moderator: J. Robert Cooke, Chair, Univ. Fac. Lib. Bd

— [ Three Panels and the Audience

Physical and Biological Sciences

Social Sciences

Humanities

# Physical & Biological Sciences

— [ **Steve Vavasis**

**Computer Science**

— [ **Bill Arms**

**Computer Science and Univ. Fac. Lib. Bd.**

— [ **Gary Whittaker**

**Microbiology and Immunology and Univ. Fac. Lib Bd.**

# Social Sciences

— [ **Tim Mount**

Applied Economics and Management, former Dir. of Cornell Inst. for Soc & Econ. Res.

— [ **Tom Bruce**

Co-Director of Legal Information Inst.

— [ **Cynthia Farina**

Law School & Assoc Dean of University Faculty

— [ **James Cutting**

Psychology and Editor of Psychological Sciences



# Humanities

— [ **Barry Adams**

English, former Dir. Rel. Studies program & Pres. C.A.P.E.

— [ **Karen Brazell**

Asian Studies, Goldwin Smith Prof. Japanese Literature &  
Dir. Global Performing Arts Consortium (GloPAC)

— [ **Buzz Spector**

Art and Chairperson of Art Dept.



— [ **Discussion**

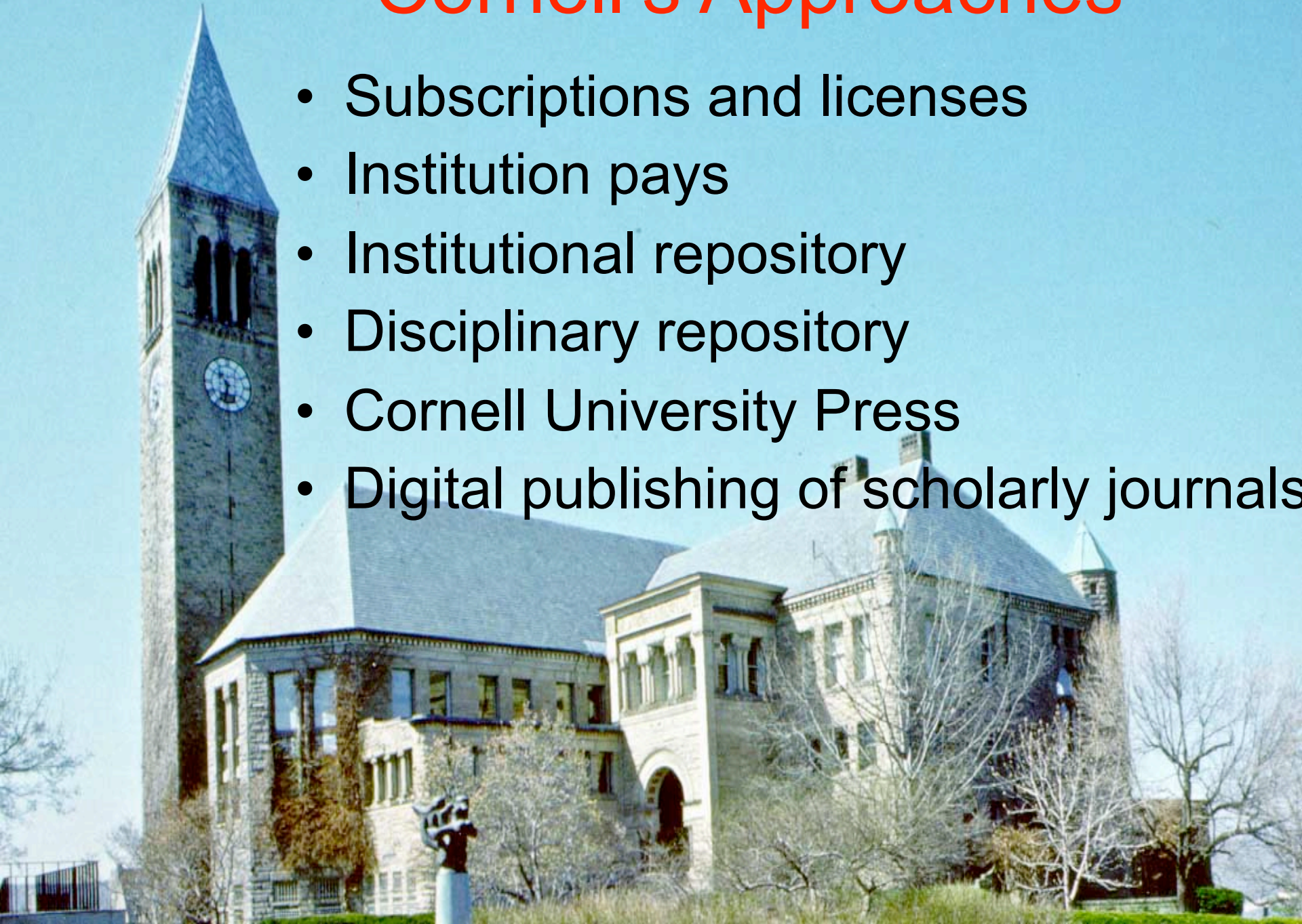
— [ **Box Lunch**

# What is open access?

- Immediate free availability on the public Internet
- Research literature that scholars produce without expectation of payment
- An *access* model, not a *business* model
- Open-access *journals* require alternative business models to replace subscription-based models
- Peer-reviewed *open archives* (e.g., PMC) can exist alongside traditional publishing

# Cornell's Approaches

- Subscriptions and licenses
- Institution pays
- Institutional repository
- Disciplinary repository
- Cornell University Press
- Digital publishing of scholarly journals



# Cornell University Library's Open Access Report

- Open Access “library pays” model would cost CUL significantly more than subscriptions.
- A blanket approach to OA may have unintended consequences on communities it is meant to serve.
- Judiciously implemented, based on need, OA will be a great boon.
- Subscription can serve as an equitable model for disseminating scholarship, particularly when administered by scholarly societies, university presses, and academic libraries.



# CUL Supports OA Journals

- New Journal of Physics
- BioMed Central

The image displays two web pages. The top page is the 'New Journal of Physics' website, featuring a yellow header with the journal's title and a navigation bar. It includes a sidebar with links like 'This Journal', 'Editorial information', and 'Submit an article'. The main content area highlights the 'World Year of Physics—Celebratory Focus' and provides options for 'Articles by subject area' and 'e-mail alerts'. The bottom of this page shows a blue navigation bar with links like 'Home', 'Feedback', and 'Support', along with a date of '27-Nov-2004'.

The bottom page is the BioMed Central website, which has a blue header with the BioMed Central logo and tagline 'The Open Access Publisher'. A large red arrow points from the 'New Journal of Physics' page to the BioMed Central page. The BioMed Central page features a 'Quick Search' box, a 'Register now' button, and a 'Stay up to date' section. The main content area includes a 'Welcome to BioMed Central' message for Cornell University users, a 'New from BioMed Central' section with a 'BioMed Central search plugin for Firefox' announcement, and a 'Research highlights' section with an article titled 'Impact of reduced IL-7 in arthritis'. The right sidebar contains a 'From The Scientist' section with 'Today's news'.

**New Journal of Physics**  
The open-access journal for physics

World Year of Physics—Celebratory Focus

Articles by subject area

Latest volume Vol 6, 2004 (1-183)

Journal archive

Vol 6, 2004

Go

Welcome Cornell University

Home Feedback Support Log on / Register 27-Nov-2004

**BioMed Central**  
The Open Access Publisher

Online Journals  
Scholarly journals for academic research - 400,000+ articles

Chemtracts Journals  
Choose from Organic, Inorganic, or Biochemistry & Molecular Biology

Ads by Google

home journals A-Z journal subject advanced search authors reviewers libraries jobs about my BioMed Central

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Journals A-Z  
Journals by subject  
Faculty of 1000  
Current Controlled

Welcome to BioMed Central

Cornell University users - [access your journals here](#)

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[View published articles](#) from your institution

New from BioMed Central Research highlights Open Access

BioMed Central search plugin for Firefox

BioMed Central has created a [search plugin](#) to make it easier for Firefox users to search the BioMed Central site. [Firefox 1.0](#) is the new open source browser.

Impact of reduced IL-7 in arthritis

Arthritis Res Ther 2005, 7:R80-R92

Lower levels of the cytokine IL-7 in rheumatoid arthritis patients contribute to diminished T-cell reconstitution following

From The Scientist

Today's news

'Brain circulation Hungary

Despite a lack of support from the



*PLoS Medicine* launched on October 19, 2004. Click here for the latest news, and visit [www.plosmedicine.org](http://www.plosmedicine.org) to read the full contents freely online!

The Public Library of Science (PLOS) is a non-profit organization of scientists and physicians, a scientific and medical resource.

## C-Theory Multimedia PLOS Promoting Member





## PLOS Articles from Cornell University

Below is a list of PLOS articles, most recent first, from authors affiliated with Cornell University.

Nielsen R, Bustamante C, Clark AG, Glanowski S, Sackton TB, Hubisz MJ, Fledel-Alon A, Tanenbaum DM, Civello D, White TJ, J. Sninsky J, Adams MD, Cargill M (2005) A Scan for Positively Selected Genes in the Genomes of Humans and Chimpanzees. PLoS Biol 3(6): 10.1371/journal.pbio.0030170 DOI: [10.1371/journal.pbio.0030170](https://doi.org/10.1371/journal.pbio.0030170)

Martinat C, Shendelman S, Jonason A, Leete T, Beal M, Yang L, Floss T, Abeliovich A (2004) Sensitivity to Oxidative Stress in DJ-1-Deficient Dopamine Neurons: An ES- Derived Cell Model of Primary Parkinsonism. PLoS Biol 2(11): 10.1371/journal.pbio.0020327 DOI: [10.1371/journal.pbio.0020327](https://doi.org/10.1371/journal.pbio.0020327).

Ward JR, Lafferty KD (2004) The Elusive Baseline of Marine Disease: Are Diseases in Ocean Ecosystems Increasing?. PLoS Biol 2(4): 10.1371/journal.pbio.0020120 DOI: [10.1371/journal.pbio.0020120](https://doi.org/10.1371/journal.pbio.0020120).



# Disciplinary Repository



**arXiv.org e-Print archive**

Automated e-print archives

13 Dec 2001: Cumulative ["What's New"](#) pages. [Note main site relocation.](#)

**Robots Beware:** [indiscriminate automated downloads from this site are \*not\* permitted.](#)

## Physics

- [Astrophysics](#) ([astro-ph new](#), [recent](#), [abs](#), [find](#))
  - [Condensed Matter](#) ([cond-mat new](#), [recent](#), [abs](#), [find](#))  
includes: [Disordered Systems and Neural Networks](#); [Materials Science](#); [Mesoscopic Systems and Quantum Hall Effect](#); [Soft Condensed Matter](#); [Statistical Mechanics](#); [Strongly Correlated Electrons](#); [Superconductivity](#)
  - [General Relativity and Quantum Cosmology](#) ([gr-qc new](#), [recent](#), [abs](#), [find](#))
  - [High Energy Physics - Experiment](#) ([hep-ex new](#), [recent](#), [abs](#), [find](#))
  - [High Energy Physics - Lattice](#) ([hep-lat new](#), [recent](#), [abs](#), [find](#))
  - [High Energy Physics - Phenomenology](#) ([hep-ph new](#), [recent](#), [abs](#), [find](#))
  - [High Energy Physics - Theory](#) ([hep-th new](#), [recent](#), [abs](#), [find](#))
  - [Mathematical Physics](#) ([math-ph new](#), [recent](#), [abs](#), [find](#))
  - [Nuclear Experiment](#) ([nucl-ex new](#), [recent](#), [abs](#), [find](#))
-

# DSpace

- Computer Science  
Tech Reports
- Internet First  
University Press

The screenshot shows the DSpace Cornell University Library homepage. At the top, the DSpace logo is on the left, followed by the text 'CORNELL UNIVERSITY LIBRARY' and the Cornell University red square logo on the right. Below the header, the page is divided into three main sections. The left section contains a search bar labeled 'Search DSpace:' with a 'Go' button and a link to 'Advanced Search'. Below this is a 'Browse' section with links to 'Home', 'Communities & Collections', 'Titles', 'Authors', and 'By Date'. The middle section features the 'Internet-First University Press' logo and the text 'Community home page'. At the bottom of this section is a search box with a dropdown menu set to 'Internet-First University Press' and a 'Go' button. The right section is titled 'Recent Submissions' and lists several links: 'Being Eisenman', 'Building an E-Publishing Model from the Stakeholders on Up', 'Open-Access Scholarly Publishing', 'Responsible Publishing', 'Developing an Institutionally-funded Publishing Channel: Context & Considerations for Key Issues'.

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**Internet-First University Press**

Community home page

In:  **Go**

**Recent Submissions**

- [Being Eisenman](#)
- [Building an E-Publishing Model from the Stakeholders on Up](#)
- [Open-Access Scholarly Publishing](#)
- [Responsible Publishing](#)
- [Developing an Institutionally-funded Publishing Channel: Context & Considerations for Key Issues](#)



# Project Euclid

mathematics and statistics journals on-line

access

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about

**Project Euclid** is a user-centered initiative to create an environment for the effective and affordable distribution of serial literature in mathematics and statistics. Project Euclid is designed to address the unique needs of independent and society journals through a collaborative partnership with scholarly publishers, professional societies, and academic libraries.

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# DPubS Users

The image is a collage of three university press websites. The top left is the Penn State University Press website, featuring a blue header with the Penn State logo and navigation links like 'Our Books', 'Our Journals', and 'News and Events'. The top right is the Cornell University Press website, showing a book cover for 'RACE & RELIGION' with a portrait of a man and Arabic script. The bottom is the Duke University Press website, which has a dark blue header with the 'DUKE' logo and a sidebar with links to 'Search', 'Journals', 'Books', 'Special features', and 'For booksellers and media'. The main content area of the Duke website highlights 'Landmark Decisions, Landmark Sessions' and includes a 'Shopping bag' icon and a message for librarians.

**Penn State University Press**

SEARCH E-Mail Us About PSUPress

820 North University Drive

Welcome to the Cornell University Library **Race & Religion** Resource Guides

**Cornell University Press**

**RACE & RELIGION**

**DUKE UNIVERSITY PRESS**

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An Important  
Message for  
Librarians



# Transforming Scholarly Communication and Libraries

Copyright Management

Serials Pricing

Affordable Publishing

Open Access

Resources

Contacts

Home

## Scholarly Communication

Scholarly communication—the process used by scholars to share the results of their research—is fast approaching a crossroads. Individual disciplines and the scholarly community as a whole will soon need to make far-ranging decisions about how scholarly information is formally and informally exchanged, because current methods of scholarly communication are increasingly restrictive and are economically unsustainable. The purposes of this Web page are (a) to inform Cornell faculty of some of the key issues that drive the debates over scholarly communication, and (b) to suggest action that faculty might consider to support needed changes.

1. [Copyright of Faculty Publications](#). There is no one reason for—no single approach to—the crisis in scholarly communication. It is perhaps most easily described in terms of access, ownership and compensation. Suppose a scholar writes a paper and submits it to a well known journal. The editors accept the paper and agree to publish it. In many instances it is still the case that the publisher requires that the writer give the ownership (copyright) of the paper to the publisher, in return for publication. Anyone whose library does not subscribe to the journal, or who does not have a personal subscription, can then often only gain access to the article by paying a (frequently significant) copyright fee. Access to such specialized information is in any case highly restricted to ensure that publishers are effectively compensated. One approach to making scholarly information more broadly accessible is for scholars to retain more control over the ownership of their own publications. This Web site will suggest how this can be done by making adjustments to copyright agreements when submitting materials for publication.

2. [The Crisis in Scholarly Publication Prices](#). The prices of scholarly publications, and especially those of serials, have increased at a rate far above inflation and much more rapidly than increases in library budgets. This is especially the case with many commercial publishers—and also a few society publishers. The result is that libraries are now only able to provide their users with access to an increasingly smaller portion of the total needed scholarly output. This is affecting access and services not just in the sciences and technology but in all subject areas. We are

# Libraries as Publishers

## The Cornell Model

**Terry Ehling**  
Cornell University Library

Cornell Conference on Open Access Scholarship  
9 May 2005



Cornell University

# Why libraries?

- Central to the mission and function of the academy
- Have infrastructural resources and curatorial expertise
- Can exploit the synergies among various content taxonomies
- Can offer complete lifecycle services



# The Prototype: Project Euclid

- An electronic publishing initiative of Cornell University Library
- A service designed to support independent & society publishers
- A flexible platform for the delivery mathematics and statistics journals



# Why Project Euclid?


- Promote cost-effective and sustainable models for scholarly communications
- Encourage the design and deployment of alternative publishing models *within* the academy
- Facilitate the transition from analog to digital distribution for independent publishers
- “Return scholarship scholars”

Project Euclid Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <http://projecteuclid.org/Dienst/UI/1.0/Home> Go Links

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The *Annals of Mathematics* is published bimonthly with the cooperation of Princeton University and the Institute for Advanced Study. Founded in 1884 by Ormond Stone of the University of Virginia, the journal was transferred in 1899 to Harvard University, and in 1911 to Princeton University. Since 1933, the *Annals* has been edited jointly by Princeton University and the Institute for Advanced Study.

**Volume 160, Number 1**  
**Publication Date: July 2004**



Table of Contents, Ann. of Math. (2), vol. 160, no. 1 (2004)

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Editorial Staff, Ann. of Math. (2), vol. 160, no. 1 (2004)

[view abstract](#)

[view pdf](#)

Real polynomial diffeomorphisms with maximal entropy: Tangencies

***Eric Bedford, John Smillie***, 1-26

[view abstract](#)

[view pdf](#)

The space of embedded minimal surfaces of fixed genus in a 3-manifold I;  
Estimates off the axis for disks

***Tobias H. Colding, William P. Minicozzi II***, 27-68

[view abstract](#)

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# System supporting Euclid

- DPubS (Digital Publishing System)
  - A publishing system used to organize, navigate, access, and deliver both open access and subscription controlled scholarly publications

# Library Collections Utilizing DPubS

- Computer Science Technical Reports
- Historical Monographs
- International Women's Periodicals

[http://www.library.cornell.edu/about/digital\\_collections.html](http://www.library.cornell.edu/about/digital_collections.html)

# DPubS v.2

- A generalization and enhancement of the extant system
- Will support the delivery of non-serial literature, i.e. grey, monographic, non-textual
- Will provide a publishing supra-structure for OS repositories
- Will support support “communities of common practice” under OA or fee-based models (engineered to be agnostic)
- To be released under an open source license in mid-2006

# Issues

---

- Recruitment
  - Contract and license negotiations – with publishers, not authors; with libraries, not end users.
- Education
  - How to let go of the paper and shift the asset value to the electronic instantiation
- Diplomacy
  - Balancing the sometimes conflicting needs of publishers, librarians, and scholars

# Afterword

"Information Wants To Be Free. Information also wants to be expensive. Information wants to be free because it has become so cheap to distribute, copy, and recombine – too cheap to meter. It wants to be expensive because it can be immeasurably valuable to the recipient. That tension will not go away. It leads to endless wrenching debate about price, copyright, 'intellectual property', the moral rightness of casual distribution, because each round of new devices makes the tension worse, not better."

**Stewart Brand, 1984**



# **OA: Impartial Overview**

**Paul Ginsparg**

**Physics and CIS, Cornell University**

Apolitical perspective on questions raised by Open Access initiatives.

**Cornell Conference on Open Access Scholarship, 9 May 05**

# Open Access (OA)

- inevitable? possible? sensible? promising? threatening?
- OA “supports the principle that the published output of scientific research should be available, without charge, to everyone” (UK House of Commons Science and Technology Committee, 2004)
- self-evident from public policy standpoint?  $\Rightarrow$  legislated?
- endorsed by Nobel laureates, library associations, and US Chamber of Commerce.
- OA  $\neq$  “free access”
  - ▷ OA: authors retain copyright and give license under to permit future uses (frequently prohibited when copyright transferred)
  - ▷ OA: can be deposited in central server, available in searchable “information space” in perpetuity
- published research: share knowledge + author recognition

# Financial Models

- naive? hopeless? obvious?
- Current publishing revenues:  
subscriptions, author fees, advertising
  - ▷ free access undercuts subscription revenue?
- OA shifts burden to authors (and authoring institutions):
  - ▷ author fees, advertising, institutional and grant support
  - ▷ sustainable?
  - ▷ “No author left behind”  
fee waivers for authors w/o financial support
- Why us? Why now?
  - ▷ New technology enables new model for scholarly publication

# What's the problem?

- concern that current system not working (serials crisis?)
- libraries struggle with shrinking budgets and soaring journal prices  
rose more than 3x faster than inflation from 1980–2000
- libraries worldwide canceling journal subscriptions  
libraries in peril  $\Rightarrow$  scientific research dissemination jeopardized?
- commercial publishers have unreasonably large profits?
- publishers: real costs to ensure quality?
- need more competition?

**Ignorance is bliss:** the average author is much more concerned to discover that per article publication costs might be as high as a few thousand \$\$, than to learn that more than twice that is actually paid.

- Will better educated authors alter their behavior?

# Finances

- globally \$8B/year for 1.5–2M STM articles/year
  - ⇒ ~\$4500/article aggregate revenue (researchers unaware)
- Large hierarchies in revenues (\$1k – \$15k / article)
- and large hierarchies in costs (Jul 04 data):
  - ▷ APS: editorial = \$1000/ published article, + production = minimum \$1800/article
  - ▷ science=\$12000, nature = \$18000, ACS = \$2500
  - ▷ PNAS: 1/6 acceptance rate, \$3600/article, \$2800 w/o print
  - ▷ J Cell Biology = \$8000/ published article, 15–20% acceptance rate (just editorial and production, not print)
  - ▷ selective journals cost more to produce?
  - ▷ Blume: more peremptory editorial rejection to reduce costs

**Will OA reduce costs? or just shift point at which funds enter system?**

# Are all disciplines created equal?

**OA costs  $< 1\%$  of research budget?**

**NIH:  $\sim 60,000$  NIH funded articles, research budget  $\sim \$20\text{B}$**

**$\Rightarrow$  public funding  $> \$300\text{k/article}$**

**Typical “well-funded” discipline:**

**Theoretical HEP: DOE + NSF funding  $< \$40\text{M/year}$ ,**

**$>$  few thousand articles / year (primary US authors)**

**$\Rightarrow$  public funding  $< \$20\text{k/article}$**

**And the rest . . . ?**

**(e.g. J. Ewing:  $> 2/3$  of mathematicians have no grant funding at all)**

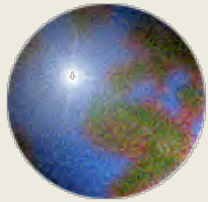
# Initiatives

- **Journals (BMC, PLoS, ...)**
- **Institutional archives (Dspace, CCSD, ...)**
- **Disciplinary archives (arXiv, PMC, ...)**
- **World initiatives**
  - ▷ **HINARI** (Health InterNetwork Access to Research Initiative, [www.healthinternetwork.org](http://www.healthinternetwork.org))
  - ▷ **INASP** (International Network for the Availability of Scientific Publications, [www.inasp.info](http://www.inasp.info))
  - ▷ **AGORA** (Access to Global Online research in Agriculture, [www.aginternetwork.org](http://www.aginternetwork.org))

# Changes?

- **Subscription-based journal publishers relax access restrictions**
- **Some new OA journals accepted by scientists**
- **Gov'ts becoming involved , some may mandate some form of OA.**
  - ▷ **NIH “Draft Proposal for Enhanced Public Access to NIH Research Information”: all NIH-funded research freely accessible 6 months after original publication, deposited in PMC**
  - ▷ **other funding agencies?**
- **lower profit margins?**
- **Priorities: cost or functionality?**
- **Change peer review methodology?**





# *National & International Trends in Electronic Theses and Dissertations*

*Cornell Conference on Open Access Scholarship  
May 9, 2005*

Gail McMillan

[gailmac@vt.edu](mailto:gailmac@vt.edu)

Digital Library and Archives

<http://scholar.lib.vt.edu/>

Virginia Polytechnic Institute and State University



## NETWORKED DIGITAL LIBRARY OF THESES AND DISSERTATIONS

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The Networked Digital Library of Theses and Dissertations (NDLTD) is an international organization dedicated to promoting the adoption, creation, use, dissemination and preservation of electronic analogues to the traditional paper-based theses and dissertations.

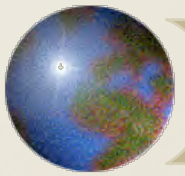
This website contains information about the initiative, how to set up Electronic Thesis and Dissertation (ETD) programmes, how to create and locate ETDs, and current research in digital libraries related to NDLTD and ETDs.

### What's new

- ▶ [Tutorial on Creating ETDs using Adobe Acrobat](#) [February 2005]
- ▶ [Updated membership lists](#) [February 2005]

### Hot topics

- ▶ [ETD 2005 - 8th International Symposium on Electronic Theses and Dissertations, Sydney, Australia](#) [28-30 September 2005]
- ▶ [Greek translation of ETD Guide](#) [11 March 2005]
- ▶ [ETD Guide](#) [2003-12-01]
- ▶ [ETD Union Catalog](#) [2003-12-01]



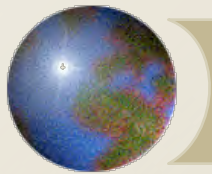
## *ETDs Worldwide: NDLTD*

✚ 194 universities;  
28 associations

- ✚ 47 Europe (6 UK)
- ✚ 29 AustralAsia
- ✚ 94 North American  
(85 USA)
- ✚ 15 South America
- ✚ 9 Africa

68 require ETDs

- 10 Europe
- 15 AustralAsia
- 29 USA
- 7 South America
- 7 Africa



# *NDLTD Board of Directors*

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- Delphine Lewis (ProQuest)
- Joan K. Lippincott (CNI)
- Mike Looney (Adobe)
- Gail McMillan (Secretary, Virginia Tech)
- Joseph Moxley (ETD 2000, USF)
- Eva Müller (U. Uppsala, Sweden)
- Ana Pavani (PUC Rio, Brazil)
- Axel Plathe (UNESCO, Paris)
- Sharon Reeves (National Library Canada)
- Peter Schirmbacher (ETD 2003, Humboldt)
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[lmj@vt.edu](mailto:lmj@vt.edu)  
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22 July 2004

## Search Results

Query :

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### 11. Sur la théorie des équations différentielles linéaires

*Floquet, Gaston.*

- **Abstract** : Thesis (doctoral)--Faculté des sciences de Paris, 1879.
- **Date** : 1879.
- **Institution** : Paris : Gauthier-Villars,
- [ [More Info](#) ] [ [Go To Document](#) ] [ [Find Similar Documents](#) ]

### 11. Sur les invariants différentiels

*1844-1889. Halphen, Georges Henri,*

- **Abstract** : Thesis (doctoral)--Faculté des sciences de Paris, 1878.
- **Date** : 1878.
- **Institution** : Paris : Gauthier-Villars,
- [ [More Info](#) ] [ [Go To Document](#) ] [ [Find Similar Documents](#) ]

### 11. Improved data structures for two-dimensional library management and dictionary problems

*Choi, Ying*

- **Institution** : Hong Kong University
- [ [More Info](#) ] [ [Go To Document](#) ] [ [Find Similar Documents](#) ]

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# Scan Search

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Author

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Collection**

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Search

Welcome to the Networked Digital Library of Theses and Dissertations Union Catalog. This Union Catalog will serve as a repository of rich graduate educational material contributed by a number of member institutions worldwide. Our hope is that this project will increase the availability of student research for scholars, empower students to convey a richer message through the use of multimedia and hypermedia technologies and advance digital library technology worldwide.



This project is a joint development with [NDLTD](#) and [VTLS Inc.](#) Read the press release [here](#).

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Search for words or exact phrases anywhere in the theses and dissertation catalog record. Specify a keyword field such as author, title or subject to narrow that search. Click on "Keyword Search" in the toolbar to begin.

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Create an  
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---

- ❖ Lesson 1: Read an ETD
- ❖ Lesson 2: Create a PDF File
- ❖ Lesson 3: Modify a PDF File
- ❖ Lesson 4: Add Navigation to an ETD
- ❖ Lesson 5: Add Multimedia





ETD  
Process:

1. What is an ETD?

- o Letter of Explanation
- o Definition of ETD
- o Development Process
- o Life Cycle of an ETD
- o Q & A

2. Guidelines

- o Style Guide
- o Title/abstract page template
- o ETD Examples

3. Work on an ETD

- o ETD Workshop
- o Recommended File Formats
- o Software Tutorials
- o PS2PDF Service
- o Copyright Issues
- o Publisher Issues

4. Submit an ETD

- o ETD Timeline
- o Submission Procedure
- o Submission Tutorial
- o Approval Forms
- o Practice Submission Form
- o Submission Form

Other  
Info:



Need Help?



Site Map



VT ETD Library



Search





## Welcome To the VT ETD-db

Welcome to the starting point for all information regarding the VT ETD database. This site will include help files, frequently asked questions, as well as development and implementation resources.

[Carolyn Kletnieks](#)

Technical Director,  
Digital Library and Archives

*Last Modified on:*

## About the ETD-db

The ETD database is a series of web pages and [perl](#) scripts that interact with a [MySQL](#) database. These scripts provide a standard interface for [web users and researchers](#), [ETD authors](#), [graduate school personnel](#), and [library personnel](#) to enter and manage the files and metadata related to a collection electronic theses and dissertations.

The ETD database (ETD-db) was developed at [Virginia Tech](#) as a joint project between the [Graduate School at Virginia Tech](#), the [Digital Library and Archives](#) (a division of the [University Libraries](#)), and the [National Digital Library of Theses and Dissertations](#). The software was developed Anthony Atkins and currently maintained by [Carolyn Kletnieks](#), and is available free of charge to members of the NDLTD.

For more information about the ETD-db, please read the [text for ETD developers](#) below and visit our [ETD developer pages](#).

[\[log in\]](#) [\[Register\]](#)

# Academic Journal Policy Database

[home](#) [search](#) [browse](#) [add](#) [forums](#)

## About this web site...

Experience shows that violating publishers' publication policies is one of the main concerns of faculty and students embarking on electronic submission of a thesis or dissertation (ETDs). It is often difficult to discover the publishers' policies and thus even more difficult to properly inform faculty and students about these policies.

In response to this problem, the University of Cincinnati has developed a database of links to publishers' journal policies called the Academic Journal Policy Database (AJPD). Our goal is to provide a global mechanism for students, faculty, administrators, and publishers to share information and facilitate electronic publishing education.

## Stay up-to-date with the AJPD Newsletter!

Register for our periodic newsletter to receive a summary of journal policy updates and journal policy related news. (all fields required)

First Name

Last Name

Email

## Search

Total Policy Records: 1717

Keyword:

Search in:

Publisher Name:

Country of Journal:

ISSN

Allows ETDs?

Can't find your journal? Consider [a journal policy research request](#).

## Site News...

### APS issues policy statement on ETDs

The University of Cincinnati has received an ETD policy statement from the APS  
*University of Cincinnati - Doug Hott - 04/14/03*

### Academic Journal Policy Database Presentation Available

Added a PowerPoint presentation with an overview of the AJPD.  
*University of Cincinnati (Doug Hott) - 04/09/03*

### Academic Journal Policy Database Launched!

The University of Cincinnati is pleased to announce the launch of the Journal Policy Database  
*ETD Staff - 03/28/03*

[Site News Archive](#)

## Related Links

[Networked Digital Library of Theses and Dissertations](#)

[ETD 2003 Conference](#)

[Project RoMEO](#)

[Scholarly Electronic Publishing - References from the University of Texas System](#)

[Copyright Law and Graduate Research - UMI](#)





# The Guide to Electronic Theses & Dissertations



UNESCO

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☐ ETD Models

☐ ETD Resources

☐ Collaborate

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☐ The ETDGUIDE [Word]

☐ NDLTD

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Welcome to *The Guide for Electronic Theses and Dissertations*. We offer this site as a resource for graduate students who are writing theses or dissertations, for graduate faculty who want to mentor ETD authors, for graduate deans who want to initiate ETD programs, and for IT administrators at universities. *The Guide* is designed specifically for academic researchers and their mentors, yet anyone interested in research and e-publishing will enjoy this resource.

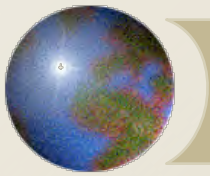
Published by UNESCO, *The Guide* is an international, "living" document, written by ETD (electronic thesis and dissertation) scholars throughout the world (see [About the Authors](#)). *The Guide* will be updated regularly based on submissions by ETD authors and [NDLTD](#) members.

We invite you to contribute essays describing your university's best ETD practices, to suggest [ETD Resources](#), or to nominate ETDs for our [Exemplary ETD Database](#).

This site requires Adobe Acrobat Reader -



[\[ETD Guide\]](#) [\[ETD Models\]](#) [\[ETD Resources\]](#) [\[Collaborate\]](#) [\[About this Site\]](#) [\[Chat\]](#) [\[NDLTD\]](#) [\[About the Authors\]](#)



# *ETD Country Reports to NDLTD*

## ✚ EThOS

- ✚ JISC/UK HE £420,000

## ✚ India

- ✚ 2006: 12,000 legacy
- ✚ IR=DSpace + bepress/ProQuest

## ✚ Theses Canada

- ✚ 5 universities accept
- ✚ 3 pilot projects
- ✚ LAC harvests metadata and ETDs from 4 universities

## Brazil

4,000 ETDs

Cultural challenge for student to initiate, participate ETD\_db

## Germany

67 universities accept

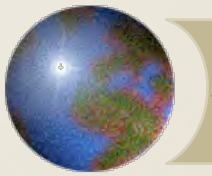
25,000 ETDs = 23% TDs

## Australia

Flexible national program

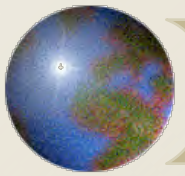
Modified ETD\_db

IR = Fedora + Vital (VTLS)



## *Benefits: Low Margin, High Use*

- ✚ Graduate School no longer stores and ships 2400 copies/year
- ✚ Library: 6,537 (Jan. 1, 1997-May 9, 2005)
  - ✚ Ceased shipping, binding, barcoding, shelving, 2400 TDs yearly
  - ✚ Included ETDs with other activities
  - ✚ Improved services
  - ✚ Saves space and money



# *Digital Library Resources*

*\$0 - \$65,000 (not just ETDs)*

## ✚ Hardware: server

- ✚ Maintenance and security
- ✚ Started small, upgraded as needed

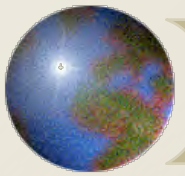
## ✚ Software

- ✚ Local submission and management scripts; surveys
- ✚ Data logged with Apache
- ✚ LOCKSS

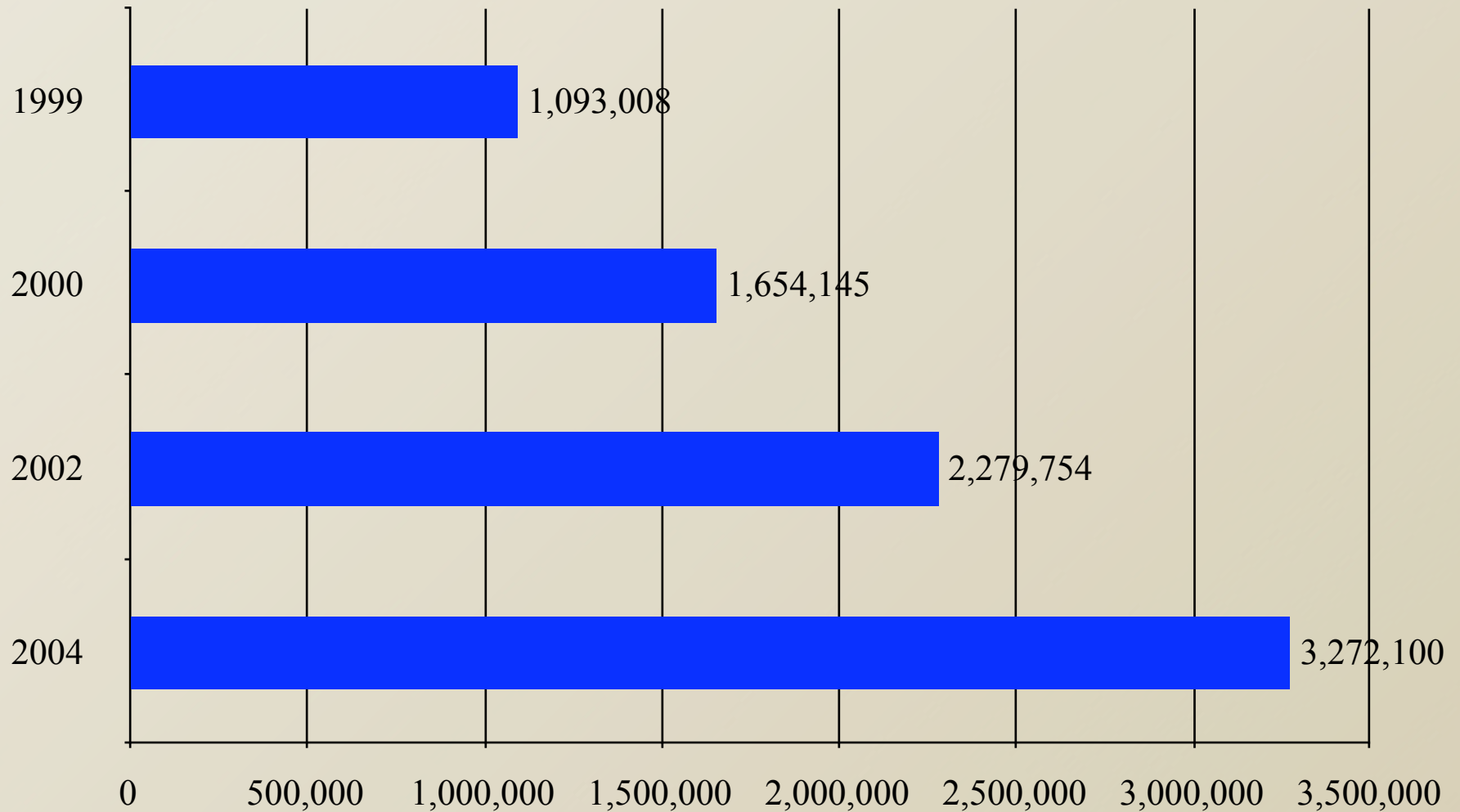
## ✚ Search engine

- ✚ Started small
- ✚ Grew to commercial; index every word

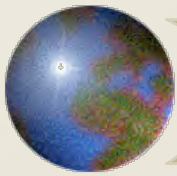




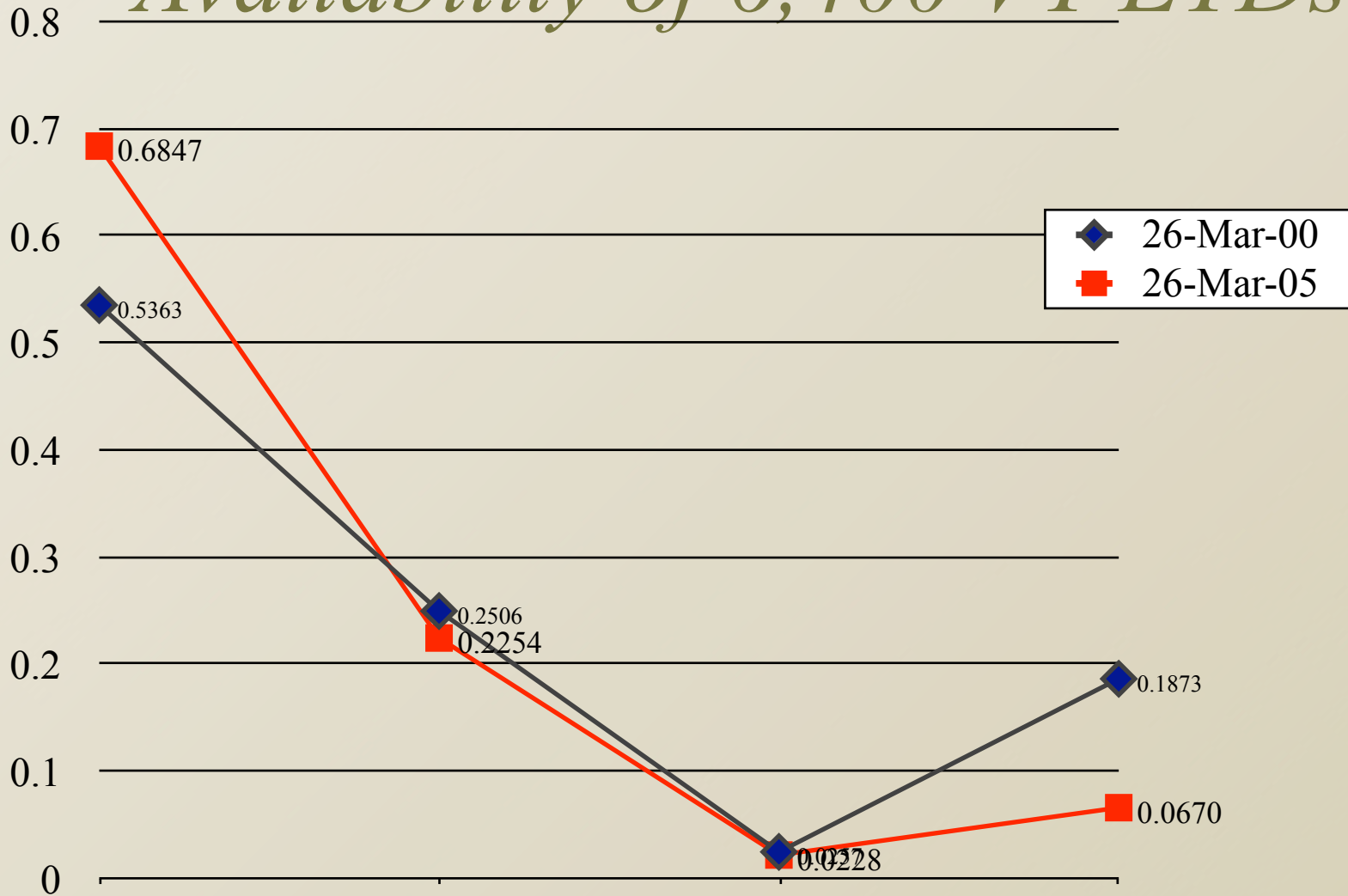
## *Popularity of VT ETDs*



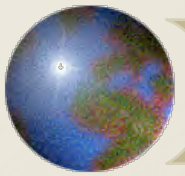




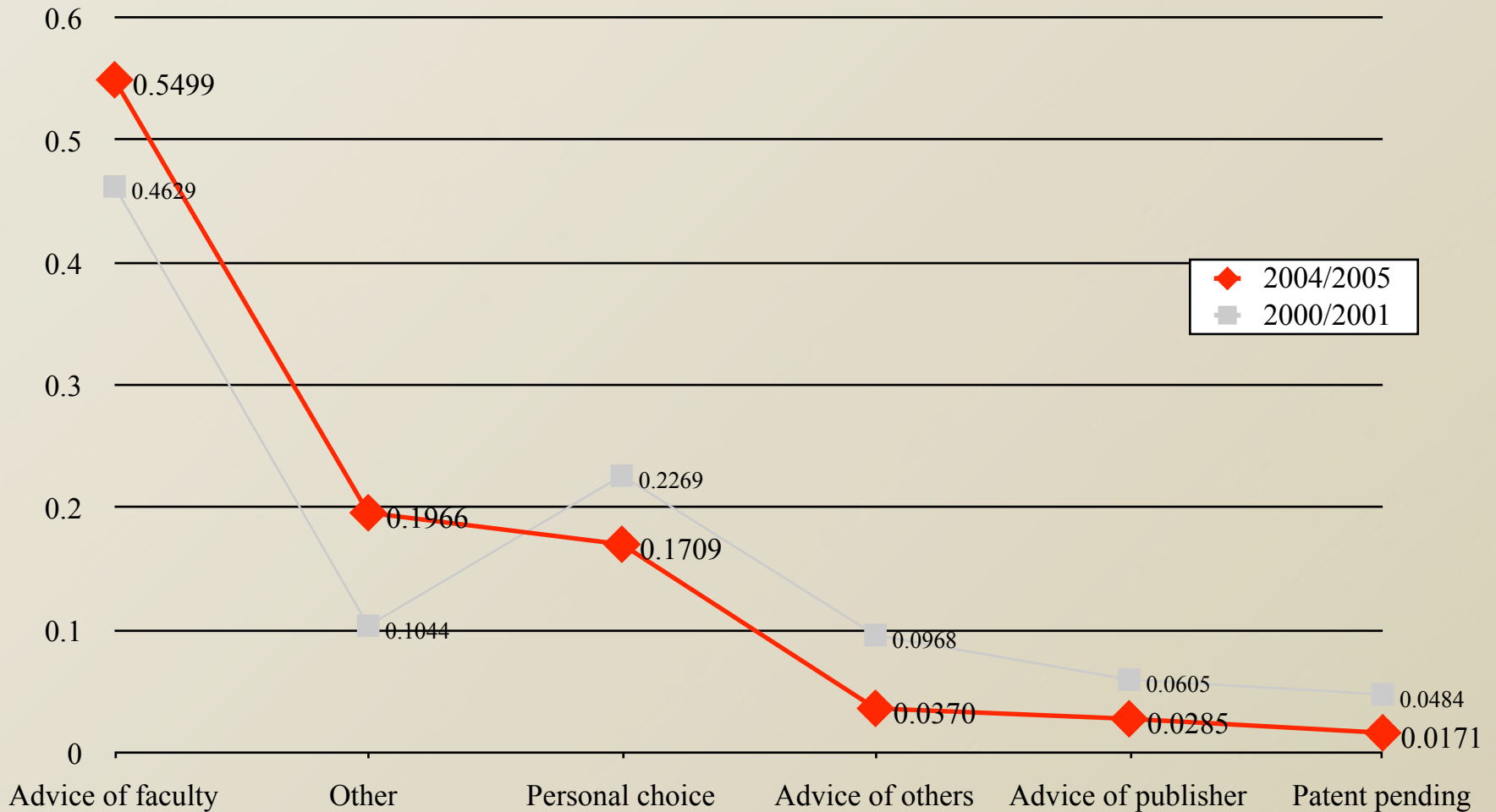
# *Availability of 6,400 VT ETDs*

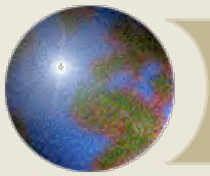


unlimited access   university-only access   mixed levels of access   withhold by authors/chairs



# *Authors' Reasons for Restricting Access*





## *ETDs and Publishing Issues*

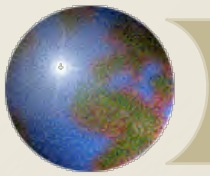
### ✚ Publishers' surveys: no problems with ETDs

- ✚ No specific policies against ETDs
- ✚ Consider submissions individually
- ✚ Chapter greatly rewritten for different audience
- ✚ Peer review

### ✚ Alumni experiences: no problems

### ✚ Copyright

- ✚ Authors retain rights
- ✚ Explicit permission: university stores, provides access



# *Factors Effecting Archiving: Aligning Commitment and Resources*

## ✚ Access

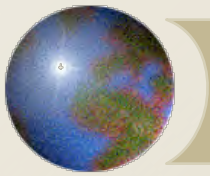
- ✚ Stable server and URIs

## ✚ Security

- ✚ Standard formats, future migration

- ✚ Cooperative Archiving (LOCKSS)

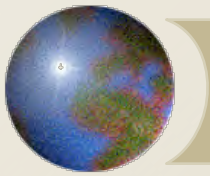
- ✚ Commercial Options



# *Digital Libraries & Institutional Repositories*

- ⊕ University service and resource provider
- ⊕ Acquisitions of materials
  - ⊞ IR: intersection of communities
    - authors and others deposit
  - ⊞ DL: community good
    - Purchased, donated, and deposited
- ⊕ NDLTD: Fedora, DSpace, Eprints

Heery, Rachel, and Sheila Anderson, *Digital Repositories Review*.  
UKOLN: 19 Feb. 2005



## *Lessons from ETDs*

- ✚ Easy and inexpensive to implement and maintain
- ✚ Implementation of new formats
  - ✚ Few are innovative: text and book oriented
  - ✚ Not considering online readers (e.g., navigation)
- ✚ If available, they will be accessed.
  - ✚ Exposure of research exceeds expectations:
  - ✚ Disappointing number are restricted
- ✚ Increasing number and diversity of NDLTD institutions
- ✚ IRs: Easy initial component



A CONTEMPORARY TURKISH COFFEEHOUSE DESIGN  
BASED ON HISTORIC TRADITIONS

by

Timur Oral

Thesis submitted to the Faculty of the  
Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE

in

Housing, Interior Design, and Resource Management

APPROVED:

Jeanette Bowker, Chair  
Muzaffer Uysal  
Eric Wiedegreen

April 16, 1997  
Blacksburg, Virginia

**Keywords:** Turkish, coffee, coffeehouse, tradition, culture, franchising, shop design

<http://scholar.lib.vt.edu/theses/available/etd-2227102539751141/>







# ALL THE KING'S HORSES:

The Delta Wing Leading-Edge Vortex System Undergoing Vortex Breakdown:  
A Contribution to its Characterization and Control under Dynamic  
Conditions.

By  
Norman W. Schaeffler

Dissertation submitted to the Faculty of the  
Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

DOCTOR OF PHILOSOPHY  
IN  
ENGINEERING MECHANICS

APPROVED:

Demetri P. Telionis, Chair

Roger L. Simpson  
Muhammad R. Hajj

Ronald D. Kriz  
Dean T. Mook

April 20, 1998  
Blacksburg, Virginia  
The United States of America

Key Words: Delta Wing Aerodynamics, Vortex Breakdown, High Angle of Attack Control  
Copyright ©1998, Norman W. Schaeffler

## Chapter 1

### Introduction: The shifting paradigm...

Accessibility in landscape architecture and architecture is too often only approached in terms of its formal implications. How can this landscape or this building, we ask, be brought into compliance with the accessibility codes, or be initially designed as 'accessible'?<sup>1</sup> These texts are an attempt to expand the limits of that conception, to engage the social and cultural agencies which influence our concept of accessibility. This is, inevitability, no less of a fiction than the current approaches to accessibility, and it is difficult to propose that what is written here is in opposition to some current way of thinking – as if I, or it, could ultimately transcend the conditions of the 'reality' from which it develops. Nor can I say that I have located all of the 'right' problems, although such an activity is definitely on the agenda – to challenge the complacent and the regressive, to question social conditions, to resist the structures and institutions that serve the powerful and perpetuate powerlessness. But, as author Lynn Tillman says, "I must contribute daily, involuntarily, but in small and big ways toward keeping the world the way it is" (*Critical Fiction* 2-3).<sup>2</sup>

- agency
- fiction
- text.1

<sup>1</sup> Throughout the text, single quotes are used to suggest a questioning of the concept within the quotes. These "scare quotes" as writer Susan Wendell calls them are intended to bring to the reader's attention those concepts or ideas that the 'author' believes are in need of examination and critique. They are many times words used in everyday language which have come to have certain implications that the author intends to challenge and they are many times concepts which can have negative implications associated with them. They are also occasionally used as quotes within direct quotes and unless otherwise noted should be taken as such when they appear within directly quoted material.

<sup>2</sup> This discussion of the positioning of the author is based on a commentary by Tillman in *Critical Fiction / Critical Self*. Says Tillman, "I am wary or shy of proposing my fiction as written in opposition to, or to pronounce that I write differently, as if I – or it – could transcend conditions of birth and development – its and mine -- and was somehow able to escape them. Or even that I knew, and the writing could locate, the right problems. It's certainly on my agenda – to challenge the complacent, to question the nation, familial, racial and sexual arrangements, to resist structures and institutions that serve the powerful and perpetuate powerlessness. But as I wrote of the narrator in my novel *Motion Sickness* – an American moving from place to place in foreign lands – 'I must contributor daily, involuntarily, but in small and big ways toward keeping the world the way it is.' (The question of agency haunts the novel.)" (2-3).



1.1



1.2



## *Participate in the global effort*

- ✚ Join <http://www.ndltd.org>
- ✚ Gain recognition for your students: awards
- ✚ Share your knowledge
- ✚ Attend a conference: network, present
  - ▣ Sydney, Australia: Sept. 2005
  - ▣ Quebec, Canada: Spring 2006
  - ▣ 2007?

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# IFUP BOOKS

☼ Mike Powers

☼ Judy Stewart

☼ Valorie Craven

☼ The Authors



## **~Books~**

***Analytical Elements of Mechanics, Volume 1.***

Kane, Thomas R. 272 pages

***Analytical Elements of Mechanics, Volume 2: Dynamics.***

Kane, Thomas R. 357 pages

***Animal Science at Cornell University 1963 - 2000:  
Observations and Reflections of an Insider.***

Elliot, John Murray. 133 pages

***Applications, Basics, and Computing of Exploratory Data Analysis.***

Velleman, Paul F.; Hoaglin, David C. 380 pages

***Connecticut Yankee in Nisei King Company's Court:  
With the Japanese American 442nd RCT in World War II.***

Foote, Robert H. 24 pages

***Contested Values: Democracy and Diversity in American Culture.***

Kammen, Michael. 328 pages



***Cornell Guide to Growing Fruit at Home.***

Eames-Sheavly, Marcia; Pritts, Marvin; Cramer, Craig; Bushway, Lori; Merwin, Ian; Reisinger, Richard; McKay, Steven. 111 pages

***Cornell University: Founders and the Founding.***

Becker, Carl L. 154 pages

***Designing Child Care Settings: A Child-Centered Approach.***

Maxwell, Lorraine E. 112 pages

***Dynamics, Theory and Applications.***

Kane, Thomas R.; Levinson, David A. 398 pages

***Enhancement of Wildlife Habitat on Private Lands.***

Decker, Daniel J.; Kelley, John W.; Goff, Gary R.; Schneider, Rebecca; Smith, Charles R.; Curtis, Paul D. 46 pages

***Enrico Fermi-The Master Scientist.***

Orear, Jay. 171 pages

***Faculty Handbook 2002 Seventh Edition, Cornell University.***

Office of the University Faculty. 216 pages



***Food Science at Cornell University: A Century of Excellence,  
1902-2002.***

Bandler, David K.; Holland, Robert F. 217 pages

***History of Computing at Cornell (through 1979), The.***

Rudan, John W. 98 pages

***History of Kendal at Ithaca, 1990 toward 2000.***

Stanton, Lara K. 126 pages

***How Do I Do This in ArcGIS/Manifold?: Illustrating Classic GIS Tasks.***

Lembo, Arthur J., Jr. 124 pages

***Immigrants and the Community.***

Pfeffer, Max J.; Para, Pilar A. 23 pages

***Incomplete Guide to the Art of Discovery, The.***

Oliver, Jack E. 224 pages

***It All Adds Up.***

Bristow, Barbara J. 227 pages

***Know Your Trees.***

Cope, J. A.; Winch, Fred E., Jr.; Cope, E. A. 80 pages



***Lecture Notes on Nonlinear Vibrations.***

Rand, Richard H. 135 pages

***Managing Canada Geese in Urban Environments.***

Smith, Arthur E.; Craven, Scott R.; Curtis, Paul D. 44 pages

***More Other Homes and Garbage: Designs for Self-sufficient Living.***

Leckie, Jim; Masters, Gil; Whitehouse, Harry; Young, Lily. 387 pages

***New Concepts of Cattle Growth.***

Berg, Roy T.; Butterfield, Rex M. 255 pages

***Prevention of Youth Violence.***

Haugen, Heidi L. 83 pages

***Shakespeare Got It Wrong, It's Not "To Be", It's "To Do". The Autobiographical Memoirs of a Lucky Geophysicist.***

Oliver, Jack E. 246 pages

***Spacecraft Dynamics.***

Kane, Thomas R.; Likins, Peter W.; Levinson, David A. 454 pages

***The Homeowner's Lawn Care and Water Quality Almanac.***

Gussack, Eva; Rossi, Frank S. 28 pages

***Waste Management at the Construction Site.***

Laquatra, Joseph; Pierce, Mark R. 34 pages



## **~VIDEOS~**

### ***A Conversation with Emeriti Professors:***

#### ***Dr. Hans Bethe and Dr. Robert Wilson.***

Bethe, Hans; Wilson, Robert; Gottfreid, Kurt. [1:03:00]

### ***A Conversation with Emeritus Professor***

#### ***Dr. Hans Bethe and Dr. Victor Weisskopf.***

Bethe, Hans; Weisskopf, Victor; Gottfried, Kurt. [56:36]

### ***An Evening with Hans Bethe:***

#### ***The German Atomic Bomb Project.***

Bethe, Hans; Powers, Thomas; Gottfried, Kurt. [1:30:42].

### ***Antigone (script, video segments and commentary).***

Feldshuh, David; Booth, Dan; Rusten, Jeffrey. [8:15]

### ***Artificial Insemination: The First Great Animal Biotechnology.***

Foote, Robert H, narrator. [9:41]

### ***Being Eisenman.***

Handler, Philip; Handler, Maddy. [21:13]

### ***Case For a Primary Diplomatic Relationship with China.***

Kirk, Mark; LaFeber, Walter. [1:08:41]



***Cornell Presidents.***

Reis, Jon; Cooke, J. Robert. [1:44]

***Corson Family.***

Corson, Dale; Goldberg, Sol. [3:38]

***Dale Corson: Cornell's Good Fortune.***

Steblen; Stone; Cummings; Brumley; Hershey. [19:46]

***Dale Corson's Induction into the Cornell Center  
for Materials Research Hall of Fame.***

Ashcroft, Neil; Richardson, Robert C.; Lehman, Jeffrey;  
Corson, Dale. [49:06]

***Groundbreaking Ceremony of the Life Sciences  
Technology Building.***

Lehman, Jeffry S.; Meier, Richard A.; Martin, Biddy;  
Adler, Kraig; Weill, Sanford I.; Meinig, Peter. [41:47]

***Hans Bethe and David Mermin Discuss the Early History  
of Solid State Physics.***

Bethe, Hans; Mermin, David. [31:46]

***I Can Do That! Hans Bethe's First 60 Years at Cornell.***

Rose, David H.; Champlin; Grunberg; Huntley; Shakleton;  
Hershey, Edward. [10:24]



***Nonlinear Dynamics and Chaos: Lab Demonstrations.***

Strogatz, Steven H. [46:37]

***One Vision, Many Voices: First Year Diversity***

***Initiative featuring the Cornell Interactive Theater Ensemble's presentation of Being Antigone.*** Dewey, Martha; Relta, Vivian; Cruz, Dane; Brown, Kimberly. [1:17:46]

***Portrait of a Cornell Artist: Elsie Dinsmore Popkin.***

Handler, Philip; Handler, Maddy. [12:44]



## ~WORKSHOPS AND SYMPOSIA ~

**Corson Symposium.** Speakers: Joseph M. Ballantyne, John Brademas, J. Robert Cooke, Dale R. Corson, Vernon J. Ehlers, Ronald G. Ehrenberg, Jean Gortzig, Donald P. Greenberg, Donald F. Holcomb, Charlotte V. Kuh, Walter LaFeber, Fred Plum, Frank Press, Hunter R. Rawlings III, Frank H.T. Rhodes, Robert C. Richardson, Robert F. Sproull, Steven D. Tanksley, Joe B. Wyatt.

**Workshop on ‘Sustainable Models for University-based Scholarly Publishing’, Columbia University, June 1, 2004.** Speakers: Catherine H. Candee, J. Robert Cooke, Raym Crow, Malcolm Getz, Susan Gibbons, H. Thomas Hickerson, Kenneth M. King, James G. Neal, Charles E. Phelps, John Willinsky, Kate Wittenberg, Karin Wittenborg. .

## ~JOURNALS~

**CIGR E-Journal Volumes 1-6 (International Commission of Agricultural Engineering).** Rosana G. Moreira, Editor-in-Chief.



# **~UNDERGRADUATE SCHOLARSHIP~**

***CALS Undergrad Honors Abstracts, (2001, 2002, 2003) College of Agriculture and Life Sciences.***

***The Quad, vol 10(1).*** Dmitry Berenson, and Billy Tobenkin, Editors-in-Chief.

***The Visible Hand, Vol 11(1&2), 12(1).*** Anna Nesterova and Michael Tang, Editors.



# IFUP VIDEOS

- ✻ Dale Corson
- ✻ Ed Hershey
- ✻ Mike Tolomeo
- ✻ Dan Booth
- ✻ Eric Gasteiger
- ✻ Glen Palmer
- ✻ Chad O'Shea
- ✻ John Miner



DVD SLEEVES  
BY CHAD O'SHEA



**A** Symposium was held in December 1999 to examine fundamental issues at the beginning of a new century facing research universities, such as Cornell, and to honor Cornell's 8th president, Dale R. Corson. This DVD captures that salute, which included an 18-minute video tribute, the speeches at a gala banquet and a luncheon (71 minutes) and the audio for more than 13 major addresses presented at the Symposium - for a total DVD running time of about 10 hours, including thoughtful and provocative presentations by the 9th and 10th Presidents of Cornell University - Frank Rhodes and Hunter Rawlings. In addition to the news stories about the Symposium, we've included photos of the Corson family and many of their friends who attended the Symposium. These presentations are musically enhanced with Cornell presentations by the Glee Club and the chimes masters.

Several of the presentations are organized as slideshows. You may use your DVD player's remote control to adjust the speed of the presentations (pause, skip forward, skip backward).

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*The Corson Symposium*

*Strategy for a Great Research University*

# *The Corson Symposium*

*Strategy for a Great  
Research University*



DECEMBER 6 & 7, 1999  
CORNELL UNIVERSITY





## Three Lectures by Hans Bethe

In 1999, legendary theoretical physicist Hans Bethe delivered three lectures on quantum theory to his neighbors at the Kendal of Ithaca retirement community (near Cornell University). Given by Professor Bethe at age 93, the lectures are presented here as QuickTime videos synchronized with slides of his talking points and archival material.

Intended for an audience of Professor Bethe's neighbors at Kendal, the lectures hold appeal for experts and non-experts alike. The presentation makes use of limited mathematics while focusing on the personal and historical perspectives of one of the principal architects of quantum theory whose career in physics spans 75 years.

A video introduction and appreciation are provided by Professor Silvan S. Schweber, the physicist and science historian who is Professor Bethe's biographer, and Edwin E. Salpeter, the J. G. White Distinguished Professor of Physical Science Emeritus at Cornell, who was a post-doctoral student of Professor Bethe.

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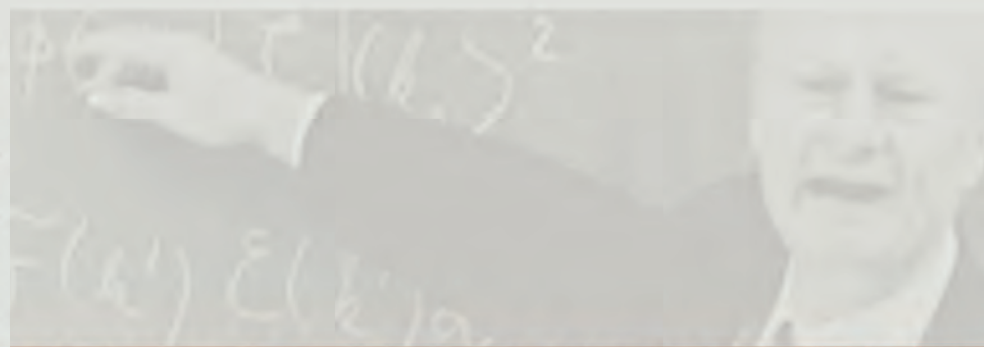
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Quantum Physics  
Made Relatively Simple

Personal and Historical  
Perspectives of Hans Bethe

Personal and Historical Perspectives of Hans Bethe

## Quantum Physics Made Relatively Simple







On December 1, 2004 President Emeritus Dale Corson was inducted as the second member of the new Hall of Fame being created by the Cornell Center for Materials Research in Clark Hall. Corson, who joins the founding Director Robert L. Sproull in the Hall of Fame, was instrumental in the creation of the Center. Also present for this event were President Lehman and Presidents Emeriti Hunter Rawlings and Frank Rhodes.

The video includes speeches by President Lehman and Vice-Provost for Research Robert C. Richardson, whose Nobel Prize work in low-temperature physics was done in the Center. Professor Neil Ashcroft, former Center Director, was moderator for the ceremony.

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**CORSON**

**Cornell Center for Material Research Luncheon**

**1 December 2004**



# Corson

## Cornell Center for Material Research Luncheon

1 December 2004







The Honorable Mark Kirk, Cornell class of '81, presented his thoughtful and provocative views on 'The Rise of China' in a November 8, 2004 lecture in Alice Statler Auditorium at Cornell University. Kirk has been named by the Congressional Quarterly as one of the emerging leaders of Congress.

The Cornell History Department and the East Asia program sponsored this visit. Professor Walter LaFeber, Tisch Distinguished University Professor, introduced the speaker.

[1 hour 8 minutes duration]

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The Case for a Primary Diplomatic Relationship with China  
The Honorable Mark Kirk, Introduced by Professor Walter LaFeber  
8 Nov 2004, Alice Statler Auditorium, Cornell University



## The Case for a Primary Diplomatic Relationship with China

The Honorable Mark Kirk, Introduced by Professor Walter LaFeber  
8 Nov 2004, Alice Statler Auditorium, Cornell University





This is the first archival disc of material published online by the Internet-First University Press as an open access resource and contains about 6,000 pages of formatted text in portable document files, more than 11 hours of small image QuickTime video and more than 8 hours of lectures. Requires a DVD-capable computer with QuickTime Player and Acrobat Reader – both of which are available for Macintosh and Windows computers via the Internet. (Version 7 of each was used to test the disc.)

The disc contains 33 both new and reprinted books intended for the classroom or for outreach that deal with the sciences, technologies, humanities and histories – especially history related to Cornell. The working papers for a workshop on scholarly publishing are included as well as six volumes of an open access journal (CIGR's).

The videos feature famous Cornellians – including tributes to President Emeritus Dale Corson and the late Nobel Laureate Hans Bethe. In addition to the tribute, the Corson Symposium materials include a Gala Banquet and audio for three half days of lectures concerning the future of the research university. In addition to the tribute to Bethe, more than 4 hours and 22 minutes of lectures and conversations on topics ranging from the German Atomic Bomb Project to the early history of solid state physics. Discussants included Robert Wilson, Victor Weisskopf, Thomas Powers, Kurt Gottfried and David Mermin. Corson was named to the Cornell Center for Materials Research Hall of Fame, an event graced by the four living Presidents of Cornell University.

Other videos deal with Antigone, as part of a freshman experience, a public lecture about China by the Honorable Mark Kirk '81, the March 2005 dedication of the Life Sciences Technology Building and instructional materials on chaos by Prof. Strogatz and on the early history of artificial insemination narrated by Prof. Robert Foote.

The collection is completed by two undergraduate journals (The Visible Hand and The Quad) and the abstracts of the CALS undergraduate honors theses for three years.

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# The Internet-First University Press

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# Hotelies roll out record for charity: 1,424-foot-long spring roll

By Courtney Potts '06

Efforts to raise money for charity were on a roll Saturday afternoon, April 30, in Barton Hall: a spring roll, or Southeast Asian-style egg roll, that is.

Under the guidance of Howard Ho '05 and Garnie Nygren '05, both students in Cornell's School of Hotel Administration, over 60 Cornell volunteers set a new record by creating the world's longest spring roll, officially measuring 434 meters (about 1,424 feet). Part of an event called Roll for Relief that raised more than \$20,000 for tsunami relief in Southeast Asia, the spring roll beat the old Guinness record, held since last June by Changi General Hospital in Singapore, by more than 200 meters (656 feet).

Ho and Nygren came up with the idea of a world record attempt shortly after the devastating tsunami hit Indonesia and other parts of Southeast Asia on Dec. 26. "We wanted a way to bring Hotel School students together behind a charitable cause, and we know that Hotel School students like to do things with a lot of flair," said Ho. They decided on making a spring roll because of the food's Asian origins, as well as its feasibility.

Creating this masterpiece required preparation almost as lengthy as the spring roll itself. The seven-hour endeavor began at 9 a.m., when volunteers started prepping ingredients in the Hotel School kitchens in Statler Hall and ended just before 4 p.m., when the last section of roll was finally put into place in Barton Hall. "In order to get the Guinness record, everything has to be

done in one day, so nothing was done prior to today [April 30]," Nygren explained.

They also followed Guinness requirements stipulating that the length of the roll had to be measured by a certified surveyor, and that a health inspector be on hand to verify that the roll was, in fact, edible. "We're being very sensitive to time and temperature," said Robert White, chef instructor at the Hotel School and the faculty adviser for this project. "That's something we're constantly monitoring."

All of the ingredients for the mammoth roll – including more than 4,500 spring roll wrappers and almost 2,000 pounds of carrots, cucumbers, lettuce, bean sprouts and cilantro – were donated by Wegmans supermarket in Ithaca. Several volunteers from Wegmans also were on hand to help with assembly, including Bob Langkammerer, MMH '90, regional executive chief for the Syracuse division of the supermarket chain.

"Wegmans is a natural for this kind of thing," Langkammerer explained. "One of our credos is caring for our community, and this is part of our commitment to the community."

The excitement built as the afternoon progressed and volunteers in red aprons and white chef hats raced to finish on time. Cheers went up from volunteers and onlookers as the last two pieces came together, and dozens of people turned out to sample the end result and listen to local bands. Servings of the roll were sold for \$5 and came with a commemorative wristband inscribed with the event's slogan: "Let Love Roll."

Ho and Nygren were pleased with the event's success. "We had three goals going



Nicola Kountoupes/University Photography

**Jin Hae Shon '06, left, and Katherine Lee '07, both Hotel School students, participate in the making of the world's longest spring roll April 30 in Barton Hall. The Roll for Relief event raised more than \$20,000 to benefit victims of the tsunami that devastated Southeast Asia last December.**

into this," explained Nygren. "One, to build the world's longest spring roll; two, to raise at least \$15,000 for tsunami relief; and three, to bring Hotel School students together. We've done all three of those things. We're beyond happy. We're ecstatic."

Having raised more than \$20,000 in donations, Nygren and Ho say they are committed to raising at least another \$5,000 before the end of May. The money is being donated through the Tzu Chi Foundation, a worldwide charity based in Taiwan that provides medical care, supplies and housing to people affected by the tsunami. Representatives from Tzu Chi were on hand at the event, distributing literature and giving out

chocolate-covered strawberries.

One of the foundation's representatives, Huei-Ju Lin, was impressed with everyone involved in the event. "Their brains are very bright, and their hearts are very bright, too," she said.

Linda Canina, associate professor at the Hotel School, also came out to offer her support to the students involved. "I think the whole idea of trying to bring the student body together to raise money is wonderful," she explained. And the spring roll? "Delicious!"

*Courtney Potts is a student intern with Cornell News Service.*

## Three CU professors elected to American Academy of Arts and Sciences

By Franklin Crawford

Three Cornell faculty members are among the 213 new fellows elected to the American Academy of Arts and Sciences in honor of their distinguished contributions to their professions.

The three Cornell honorees, to be inducted in October, are Gregory Lawler, professor of mathematics; Mars rover scientist Steven Squyres, Goldwin Smith Professor of Astronomy; and novelist Alison Lurie, F.J. Whiton Professor of American Literature Emerita.

Lawler specializes in probability, specifically Brownian motion random walks, with a particular emphasis on processes that arise in statistical physics. He joined the Cornell faculty in 2001 after 22 years at Duke University, where he rose to prominence in the field. Much of Lawler's work concerns random walks with self-avoidance constraints – mathematical metaphors that describe movement processes in space where the length and direction of each step are random and must avoid entering the same place twice. Lawler's latest book, "Conformally Invariant Processes in the Plane," focuses on his recent work with collaborators Oded Schramm and Wendelin Werner. Lawler was one of the founders of the Electronic Journal of Probability, a highly regarded peer-reviewed journal in probability available free on the Web. He was a Sloan Fel-



Lawler

low and is a fellow of the Institute of Mathematical Statistics.

In his spare time, Lawler plays guitar and related stringed instruments in two music groups: Svra and Mockin'bird.

By now almost everyone within earshot of a news broadcast has heard of Squyres, the principal scientific investigator for NASA's Mars rover mission. In January 2004, "ABC News/World News Tonight" named Squyres "Person of the Week." In December 2004, Science magazine chose the discoveries of the Mars rover mission as Breakthrough of the Year.

Squyres received his Ph.D. from Cornell in 1981 and spent five years conducting postdoctoral research with NASA before joining the Cornell faculty in 1986. His research focuses on the large solid bodies of the solar system: the terrestrial planets and the satellites of the Jovian planets. Squyres has participated in a number of planetary spaceflight missions. From 1978 to 1981, he was an associate of the Voyager imaging science team, participating in analysis of imaging data from space probes of Jupiter and Saturn. He was a radar investigator on the Magellan mission to Venus, a member of the Mars Observer gamma-ray spectrometer flight investigation team and a co-investigator on the 1996 Russian Mars mission. He is also a member of the Mars Express mission, the Mars Reconnaissance Orbiter's High Resolution Imaging Science Experiment, the Gamma-Ray Spectrometer Flight Investigation Team for the Mars Odyssey mission and the



Lurie

imaging team for the Cassini mission to Saturn.

Lurie is a widely celebrated novelist and winner of the 1985 Pulitzer Prize in fiction for "Foreign Affairs," about the adventures of two American academics abroad. A graduate of Radcliffe College, she joined the Cornell faculty in 1968.

A revered teacher and academic, she is probably best known for her nine novels and book of short stories, which are full of shrewd psychological insights and often described as social satire. Lurie also has published a collection of ghost stories, "Women and Ghosts" (1994), a book on fashion, "The Language of Clothes" (1981), and a collection of essays on children's literature and folklore, "Don't Tell the Grownups" (1990).

Her first novel, "Love and Friendship," was written in 1962. She became a household name with "The War Between the Tates" (1974), a story about a professor, his distressed wife, and the graduate student he is having an affair with. The setting, a fictional Corinth University, bore an unsettling – for some readers – similarity to Cornell and caused a local stir in its time. Lurie's 10th novel, "Truth or Consequences," is due out in the fall of 2005.

The American Academy of Arts and Sciences, which has more than 4,000 fellows and over 600 foreign honorary members, was founded in 1780 by John Adams, George Washington and James Bowdoin and is based in Cambridge, Mass.



Squyres

## Workshop on new DSpace digital archive options set for May 9

By Bill Steele

Cornell's DSpace, an online digital archive administered by Cornell University Library to make university scholarship freely available, is offering new options for the university's scientists and scholars with the creation of "communities" for every department on campus.

Departments can use these repositories for archiving and sharing both formal and informal "publications," including preprints and post-prints; data files; out-of-print books for which access is still needed; documents, audio and video of workshops and conferences; departmental histories; image databases; teaching, research and outreach resources;

and special events, such as public lectures, according to J. Robert Cooke, Cornell professor of biological and environmental engineering and chair of the University Faculty Library Board, who has for several years been an advocate of open-access publishing.

Faculty and department representatives have been invited to a half-day workshop to learn how the DSpace repositories will work and to discuss possible uses. Speakers will include Sarah Thomas, university librarian, and Paul Ginsparg, professor of physics and information science and founder of the arXiv.org e-Print Archive. Separate faculty panels will discuss open-access publishing in the physical and biological sciences, social sciences and humanities. The workshop runs from 8:30 a.m. to 12:30 p.m. Monday, May 9, in Philip Lewis Auditorium (formerly called Lecture

Hall D), Goldwin Smith Hall.

Traditionally, university scholars and scientists have submitted their work for free to professional journals, which publish the work and charge universities a fee to have copies in their libraries. Since the advent of the Internet, a number of academics, including Cooke, have argued that there might be a better system: have universities bear the fairly small cost of publishing their own faculty's work online and make it freely available to everyone. As an early step, Cooke created the Internet First University Press, which currently makes available in DSpace a variety of books and multimedia presentations created by Cornell faculty and staff.

For further information on the workshop, contact Sandie Sutfin at <sbp1@cornell.edu>.





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Digital archive expands with 'communities' for open-access publishing  
[By Bill Steele](#)

ITHACA, N.Y. -- Cornell's DSpace, an online digital archive administered by Cornell University Library to make university scholarship freely available, is offering new options for the university's scientists and scholars with the creation of "communities" for every department on campus.

Departments can use these repositories for archiving and sharing both formal and informal "publications," including preprints and post-prints; data files; out-of-print books for which access is still needed; documents, audio and video of workshops and conferences; departmental histories; image databases; teaching, research and outreach resources; and special events, such as public lectures, according to J. Robert Cooke, Cornell professor of biological and environmental engineering and chair of the University Faculty Library Board, who has for several years been an advocate of open-access publishing.

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For further information on the workshop, contact Sandie Sutfin at [sbp1@cornell.edu](mailto:sbp1@cornell.edu).

Related World Wide Web Sites:

- o Internet First University Press: <http://dspace.library.cornell.edu/handle/1813/62>
- DSpace communities: <http://dspace.library.cornell.edu/community-list>

# **Cornell Conference on Open Access Scholarship**

Philip Lewis Auditorium (formerly called Lec Hall D), Goldwin Smith Hall

Monday, May 9, 2005, 8:30 a.m. -12:30 p.m.

8:30-9:00 Gathering (Bagels and Coffee)

## **I. Moderator: Ross Atkinson, Associate University Librarian**

9:00-9:03 J. Robert Cooke, Professor, Biological and Environmental Engineering  
*Welcome and Conference Overview*

9:03-9:15 Sarah Thomas, University Librarian  
*The Cornell Library and its Contributions to Open Access*

9:15-9:30 Terry Ehling, Director of Electronic Publishing at Cornell Library  
*Cornell University Library's Publishing Model for Scholarly Literature*

9:30-9:45 Paul Ginsparg, Physics, Founder of arXiv.org e-Print archive & University  
Faculty Library Board member  
*Overview of the Open Access Movement: National and International*

9:45-10:00 Gail McMillan Director, Digital Library and Archives,  
University Libraries, Virginia Tech., Secretary of ND LTD  
*Trends in Online Theses and Dissertations: National and International*

10:00-10:15 Discussion

## **II. Moderator: Kenneth King (former VP Computing at Cornell and former President of EDUCOM)**

10:15-10:30 J. Robert Cooke, Biological and Environmental Engineering, Chair of  
University Faculty Library Board  
*Internet-First University Press and Creating Departmental and College Digital  
Repositories at Cornell*

10:30-10:45 George Kozak, Digital Library Info Tech of Cornell Library  
*Demo of Quick Submit Interface for Digital Repository*

10:45-11:00 Break (with coffee)

## **III. Moderator: J. Robert Cooke, Chair, University Faculty Library Board**

11:00-11:20 **Physical and Biological Sciences Panel**  
Eberhard Bodenschatz, Physics & University Faculty Library Board member;  
Steve Vavasis, Computer Science; Bill Arms, Computer Science & University  
Faculty Library Board member; Gary Whittaker, Microbiology & Immunology &  
University Faculty Library Board member

11:20-11:30 Discussion

11:30-11:50 **Social Sciences Panel**  
Tim Mount, Applied Economics & Management; Tom Bruce, Legal Information  
Institute; Cynthia Farina, Law, Assoc Dean University Faculty & University  
Faculty Library Board member; James Cutting, Psychology & Editor of  
Psychological Science

11:50- Noon Discussion

12:00- 12:20 **Humanities Panel**  
Barry Adams, English; Karen Brazell, Asian Studies; F. M. 'Buzz' Spector, Art &  
University Faculty Library Board member

12:20 - 12:45 Discussion

12:45-1:30 Box lunch (provided)

## **~Books~**

***Analytical Elements of Mechanics, Volume 1.***

Kane, Thomas R. 272 pages

***Analytical Elements of Mechanics, Volume 2: Dynamics.***

Kane, Thomas R. 357 pages

***Animal Science at Cornell University 1963 - 2000:  
Observations and Reflections of an Insider.***

Elliot, John Murray. 133 pages

***Applications, Basics, and Computing of Exploratory Data Analysis.***

Velleman, Paul F.; Hoaglin, David C. 380 pages

***Connecticut Yankee in Nisei King Company's Court:  
With the Japanese American 442nd RCT in World War II.***

Foote, Robert H. 24 pages

***Contested Values: Democracy and Diversity in American Culture.***

Kammen, Michael. 328 pages



***Cornell Guide to Growing Fruit at Home.***

Eames-Sheavly, Marcia; Pritts, Marvin; Cramer, Craig; Bushway, Lori; Merwin, Ian; Reisinger, Richard; McKay, Steven. 111 pages

***Cornell University: Founders and the Founding.***

Becker, Carl L. 154 pages

***Designing Child Care Settings: A Child-Centered Approach.***

Maxwell, Lorraine E. 112 pages

***Dynamics, Theory and Applications.***

Kane, Thomas R.; Levinson, David A. 398 pages

***Enhancement of Wildlife Habitat on Private Lands.***

Decker, Daniel J.; Kelley, John W.; Goff, Gary R.; Schneider, Rebecca; Smith, Charles R.; Curtis, Paul D. 46 pages

***Enrico Fermi-The Master Scientist.***

Orear, Jay. 171 pages

***Faculty Handbook 2002 Seventh Edition, Cornell University.***

Office of the University Faculty. 216 pages



***Food Science at Cornell University: A Century of Excellence,  
1902-2002.***

Bandler, David K.; Holland, Robert F. 217 pages

***History of Computing at Cornell (through 1979), The.***

Rudan, John W. 98 pages

***History of Kendal at Ithaca, 1990 toward 2000.***

Stanton, Lara K. 126 pages

***How Do I Do This in ArcGIS/Manifold?: Illustrating Classic GIS Tasks.***

Lembo, Arthur J., Jr. 124 pages

***Immigrants and the Community.***

Pfeffer, Max J.; Para, Pilar A. 23 pages

***Incomplete Guide to the Art of Discovery, The.***

Oliver, Jack E. 224 pages

***It All Adds Up.***

Bristow, Barbara J. 227 pages

***Know Your Trees.***

Cope, J. A.; Winch, Fred E., Jr.; Cope, E. A. 80 pages



***Lecture Notes on Nonlinear Vibrations.***

Rand, Richard H. 135 pages

***Managing Canada Geese in Urban Environments.***

Smith, Arthur E.; Craven, Scott R.; Curtis, Paul D. 44 pages

***More Other Homes and Garbage: Designs for Self-sufficient Living.***

Leckie, Jim; Masters, Gil; Whitehouse, Harry; Young, Lily. 387 pages

***New Concepts of Cattle Growth.***

Berg, Roy T.; Butterfield, Rex M. 255 pages

***Prevention of Youth Violence.***

Haugen, Heidi L. 83 pages

***Shakespeare Got It Wrong, It's Not "To Be", It's "To Do". The Autobiographical Memoirs of a Lucky Geophysicist.***

Oliver, Jack E. 246 pages

***Spacecraft Dynamics.***

Kane, Thomas R.; Likins, Peter W.; Levinson, David A. 454 pages

***The Homeowner's Lawn Care and Water Quality Almanac.***

Gussack, Eva; Rossi, Frank S. 28 pages

***Waste Management at the Construction Site.***

Laquatra, Joseph; Pierce, Mark R. 34 pages



## **~VIDEOS~**

### ***A Conversation with Emeriti Professors:***

***Dr. Hans Bethe and Dr. Robert Wilson.***

Bethe, Hans; Wilson, Robert; Gottfreid, Kurt. [1:03:00]

### ***A Conversation with Emeritus Professor***

***Dr. Hans Bethe and Dr. Victor Weisskopf.***

Bethe, Hans; Weisskopf, Victor; Gottfried, Kurt. [56:36]

### ***An Evening with Hans Bethe:***

***The German Atomic Bomb Project.***

Bethe, Hans; Powers, Thomas; Gottfried, Kurt. [1:30:42].

### ***Antigone (script, video segments and commentary).***

Feldshuh, David; Booth, Dan; Rusten, Jeffrey. [8:15]

### ***Artificial Insemination: The First Great Animal Biotechnology.***

Foote, Robert H, narrator. [9:41]

### ***Being Eisenman.***

Handler, Philip; Handler, Maddy. [21:13]

### ***Case For a Primary Diplomatic Relationship with China.***

Kirk, Mark; LaFeber, Walter. [1:08:41]



***Cornell Presidents.***

Reis, Jon; Cooke, J. Robert. [1:44]

***Corson Family.***

Corson, Dale; Goldberg, Sol. [3:38]

***Dale Corson: Cornell's Good Fortune.***

Steblen; Stone; Cummings; Brumley; Hershey. [19:46]

***Dale Corson's Induction into the Cornell Center  
for Materials Research Hall of Fame.***

Ashcroft, Neil; Richardson, Robert C.; Lehman, Jeffrey;  
Corson, Dale. [49:06]

***Groundbreaking Ceremony of the Life Sciences  
Technology Building.***

Lehman, Jeffry S.; Meier, Richard A.; Martin, Biddy;  
Adler, Kraig; Weill, Sanford I.; Meinig, Peter. [41:47]

***Hans Bethe and David Mermin Discuss the Early History  
of Solid State Physics.***

Bethe, Hans; Mermin, David. [31:46]

***I Can Do That! Hans Bethe's First 60 Years at Cornell.***

Rose, David H.; Champlin; Grunberg; Huntley; Shakleton;  
Hershey, Edward. [10:24]



***Nonlinear Dynamics and Chaos: Lab Demonstrations.***

Strogatz, Steven H. [46:37]

***One Vision, Many Voices: First Year Diversity***

***Initiative featuring the Cornell Interactive Theater Ensemble's presentation of Being Antigone.*** Dewey, Martha; Relta, Vivian; Cruz, Dane; Brown, Kimberly. [1:17:46]

***Portrait of a Cornell Artist: Elsie Dinsmore Popkin.***

Handler, Philip; Handler, Maddy. [12:44]



## ~WORKSHOPS AND SYMPOSIA ~

**Corson Symposium.** Speakers: Joseph M. Ballantyne, John Brademas, J. Robert Cooke, Dale R. Corson, Vernon J. Ehlers, Ronald G. Ehrenberg, Jean Gortzig, Donald P. Greenberg, Donald F. Holcomb, Charlotte V. Kuh, Walter LaFeber, Fred Plum, Frank Press, Hunter R. Rawlings III, Frank H.T. Rhodes, Robert C. Richardson, Robert F. Sproull, Steven D. Tanksley, Joe B. Wyatt.

**Workshop on ‘Sustainable Models for University-based Scholarly Publishing’, Columbia University, June 1, 2004.** Speakers: Catherine H. Candee, J. Robert Cooke, Raym Crow, Malcolm Getz, Susan Gibbons, H. Thomas Hickerson, Kenneth M. King, James G. Neal, Charles E. Phelps, John Willinsky, Kate Wittenberg, Karin Wittenborg. .

## ~JOURNALS~

**CIGR E-Journal Volumes 1-6 (International Commission of Agricultural Engineering).** Rosana G. Moreira, Editor-in-Chief.



# **~UNDERGRADUATE SCHOLARSHIP~**

***CALS Undergrad Honors Abstracts, (2001, 2002, 2003) College of Agriculture and Life Sciences.***

***The Quad, vol 10(1).*** Dmitry Berenson, and Billy Tobenkin, Editors-in-Chief.

***The Visible Hand, Vol 11(1&2), 12(1).*** Anna Nesterova and Michael Tang, Editors.