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.


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

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
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
PLoS Medicine launched on October 19, 2004. Click here for the latest news, and visit 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 to create and sustain a scientifically and medically valuable resource.
PLoS Articles from Cornell University

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


Disciplinary Repository

arXiv.org e-Print archive

Automated e-print archives physics Search Form Interface Catchup Help

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
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
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 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.

Mission • News • Partners • Tour Euclid • Advisory Board

Collections & Titles • Terms of Use • Log in for Existing Subscribers

Opportunities for Publishers

107 Olin Library, Cornell University Library • 607 255 4490 tel • 607 254 5419 fax • EUCLID-L@cornell.edu
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

view abstract  view pdf

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  view pdf
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
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)


- 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? ⇒ legislated?

- endorsed by Nobel laureates, library associations, and US Chamber of Commerce.

- OA ≠ “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 ⇒ 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: ~60,000 NIH funded articles, research budget ~$20B
⇒ public funding > $300k/article

Typical “well-funded” discipline:
  Theoretical HEP: DOE + NSF funding < $40M/year,
  > few thousand articles / year (primary US authors)
⇒ public funding < $20k/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 Acess to Research Initiative, www.healthinternetwork.org)
  ▶ AGORA (Access to Global Online research in Agriculture, 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
Digital Library and Archives  http://scholar.lib.vt.edu/
Virginia Polytechnic Institute and State University
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 Guide [2003-12-01]
- ETD Union Catalog [2003-12-01]
ETDs Worldwide: NDLTD

- 194 universities;
  - 28 associations

68 require ETDs

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

- 10 Europe
- 15 AustralAsia
- 29 USA
- 7 South America
- 7 Africa
**NDLTD Board of Directors**

- Suzie Allard (ETD 2004, U. Kentucky)
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- Vinod Chachra (VTLS)
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- Scott Eldredge (Treasurer, ETD 2002, BYU)
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- Peter Schirmbacher (ETD 2003, Humboldt)
- Hussein Suleman (U. Cape Town, S. Africa)
- Shalini R. Urs (U. Mysore, India)
- Eric F. Van de Velde (ETD 2001, Caltech)
11. Sur la théorie des équations différentielles linéaires
Floquet, Gaston.
- **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 ]
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.

Browse the catalog by theses and dissertation author, subject, title and library call number. Click on "Browse Search" in the toolbar to initiate your search.

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.

The Expert search function allows you to use Boolean operators in a command mode. Click on "Expert Search" to get started and follow the helpful search instructions below the data entry box.
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
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

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.
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.

First Name
Last Name
Email

Can't find your journal? Consider a journal policy research request.
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

- 1999: 1,093,008
- 2000: 1,654,145
- 2002: 2,279,754
- 2004: 3,272,100
Availability of 6,400 VT ETDs

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

26-Mar-00  26-Mar-05

0.6847  0.5363
0.2254  0.2506
0.0228  0.0257
0.0670  0.1873
Authors’ Reasons for Restricting Access

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Advice of faculty</td>
<td>0.5499</td>
<td>0.4629</td>
</tr>
<tr>
<td>Other</td>
<td>0.1966</td>
<td>0.1044</td>
</tr>
<tr>
<td>Personal choice</td>
<td>0.1709</td>
<td>0.2269</td>
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<tr>
<td>Advice of others</td>
<td>0.0370</td>
<td>0.0968</td>
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<tr>
<td>Advice of publisher</td>
<td>0.0285</td>
<td>0.0605</td>
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<tr>
<td>Patent pending</td>
<td>0.0171</td>
<td>0.0484</td>
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</tbody>
</table>

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

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

Turan 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 Wiedegeen

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
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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'? 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, inevitably, 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).²

¹ 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.

² 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 contribute 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).
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?
The Internet-First University Press

An Open Access Publishing Effort Utilizing the DSpace and CIT Website Infrastructure
Open Access Project Leadership

- Bob Cooke
- Ken King
- Ross Atkinson
DSpace & Library

- Tom Hickerson
- Marcy Rosenkrantz
- George Kozak
- Oya Rieger
- David Jones
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

Office of the University Faculty. 216 pages
Bandler, David K.; Holland, Robert F. 217 pages

History of Computing at Cornell (through 1979), The.
Rudan, John W. 98 pages

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~


~JOURNALS~

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


*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
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).
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.
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.
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]
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 Cornellites — 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.

The Internet-First University Press
http://dspace.library.cornell.edu/handle/1813/62
cbs digital services www.cbds.cornell.edu

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The Internet-First University Press
Archive 001, 30 Apr 05
The materials on Archive 001 disc are freely accessible over the Internet: http://dspace.library.cornell.edu/handle/1813/62
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- **DSpace at Cornell University**
  - My DSpace - Microsoft Internet Explorer

**Cornell University Library**

**DSpace Digital Repository**

**My DSpace: George Kozak**

- **Unfinished Submissions**

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<td>87-259 A Spiraea trilobata 'Swan Lake'</td>
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- 2005 Student Papers
- 2005 WIW Proceedings
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**Title:** Using DSpace at Cornell University

**Abstract:** This paper describes the uses of DSpace at Cornell University and all of the many possible digital repositories that are needed for work to progress at the University.

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The **DSpace Digital Repository** at **Cornell University** is sponsored by the **Cornell University Library**. **DSpace** is an open-source software package developed by **MIT** and **Hewlett-Packard Company**.

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- **East-Central Europe Sources**
  - **Sources in English**
    - 0700-1400: Migrations, Medieval Kingdoms

- **Internet-First University Press**
  - Books and Articles
  - Multimedia and Videos
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Hotels 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.

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 444 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 to get 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. A six-hour endeavor began at 9 a.m., when volunteers started prepping ingredients in the Hotel School kitchens in South and Southwego halls. At 1 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 head inspector be present 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 spring 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,” said Robert White, chef instructor at the Hotel School.

Squares

Lawler

Lurie

Workshop on new DSpace digital archive options set for May 9

By By Steel

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

Departments can use these repositories for archiving and sharing both formal and informal “publications,” including preprints, manuscripts, conference proceedings, reports, electronic theses and dissertations, audio and video files; out-of-print books for which access is still needed; documents, audio and video of workshops and conferences; departmental histories; image data bases; 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.

By making their data available in repositories, representatives have been invited to a half-day workshop to learn how the DSpace resource will work and to discuss possible uses. Speakers will include Sarah Thomas, university librarian, and Paul Ginsburg, professor of physics and information science and director of the Cornell University Data 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 sustained 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: 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 DSpace in 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>.
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.

Facility 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. Food will be provided for those who pre-register by noon Wednesday, May 4.

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.

Related World Wide Web Sites:

- Internet First University Press: [http://dspace.library.cornell.edu/handle/1813/62](http://dspace.library.cornell.edu/handle/1813/62)
- DSpace communities: [http://dspace.library.cornell.edu/community-list](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 NDLTD
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

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

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