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]


~UNDERGRADUATE SCHOLARSHIP~

The Quad, vol 10(1). Dmitry Berenson, and Billy Tobenkin, Editors-in-Chief.
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).
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 Leeman and Presidents Emeriti Hunter Rawlings and Frank Rhodes.

The video includes speeches by President Leeman 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 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.
The materials on Archive 001 disc are freely accessible over the Internet:
http://dspace.library.cornell.edu/handle/1813/62
THE INTERNET & HIGHER EDUCATION

* CHANGING HOW WE COMMUNICATE. (THE IFUP CONTENT IS AVAILABLE EVERYWHERE THE INTERNET IS AVAILABLE.)

* OPEN ACCESS IS WELL-SUITED TO INTERNET DISTRIBUTION (NO ROYALTY FOR AND NO ACCESS FEE).

* INTERNET-FIRST MEANS ‘DISTRIBUTE, THEN PRINT A PERSONAL COPY IF NEEDED.’
OVERCOME LIMITATIONS

• PRINT-ON-DEMAND WITH BINDING (AND ROYALTY), IF HIGH QUALITY PAPER OR MASS REPRODUCTION IS REQUIRED.

• DVDs, IF HIGHER RESOLUTION VIDEO IS REQUIRED.

• OVERCOME COPYRIGHT LIMITATIONS (AUTHOR RETAINS, BUT LICENSES OPEN ACCESS)
Quality Assurance

- Selection and editing
- Usage record
- Citation linking
- Use as input for established peer-reviewed journals within disciplines
Departmental Repositories
Repositories

- Library manages the DSpace infrastructure and CIT operates the hardware
- Department oversees content and makes submissions
- Open access
- Content is Google indexed and searchable
- Can be informal or formal publication
Repositories

- Can be printed on-demand and perfect bound
- DVDs can be produced
- Data, pre-print, post-prints, teaching, research, outreach, media-rich documents, video, audio, etc.
George Kozak will describe the submission process.