

Final Project Report to the Atlantic Philanthropies

Tuesday, August 1, 2006

Application Number: 10008

Organization: Office of the University Faculty,
315 Day Hall, Cornell University, Ithaca, NY 14853

Contact: J. Robert Cooke, 214 Riley Robb Hall,
voice: (607) 255-2480, e-mail: jrc7@cornell.edu

Project: *Creating an Open Access Paradigm for Scholarly Publishing*

Period: October 2002 thru June 2006

Report Prepared by

J. Robert Cooke, Principal Investigator

Kenneth M. King, Project Director

In Memoriam:

Ross Atkinson, Associate University Librarian for Collections

Executive Summary¹

The motivation for our efforts relate primarily to the emergence and maturing of the Internet as a means for convenient and inexpensive worldwide communication. In addition, we are seeking a more satisfactory and less expensive approach to the commercial publishing model. This project has been intentionally faculty and student-centric, rather than library-centric.

We implemented a DSpace system as the core component of the infrastructure for both digital archiving and for a digital publishing. Most of the creative efforts of this project were directed to the creation of an open access scholarly publishing prototype, The Internet-First University Press [IFUP]. We describe the rationale and strategy we followed to establish this low-cost, open-access, online publishing model that includes digital documents, but emphasizes multimedia presentations and that is augmented by print on-demand and higher resolution DVDs.

Our online content is accessible at <http://dspace.library.cornell.edu/handle/1813/62>

and our videos are at <http://ifup.cit.cornell.edu>

The entire DSpace collection at Cornell is at:

<http://dspace.library.cornell.edu/index.jsp>

¹ See Appendix 1 for a listing of the principal project participants.

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Introduction

Our project, *Creating an Open Access Paradigm for Scholarly Publishing*, initiated in October 2002 and continued through June 2006, set out "...to stimulate a fundamental reshaping and enhancement of the way research universities and their faculties function by creating an economical vehicle for openly-shared access to formerly inaccessible, but intellectually-rich digital resources, and by implementing affordable alternatives for more formal scholarly publishing".

The motivation for our efforts relate primarily to the emergence and maturing of the Internet as a means for convenient and inexpensive worldwide communication. In addition, we are seeking a more satisfactory and less expensive approach to the commercial publishing model whereby higher education has outsourced one of its vital support services that now is being exploited as a monopoly by the commercial publishers.

American universities have, in very few years, fully embraced information technologies. Today, one may reasonably assume that every member of the higher education community has access to information technology resources. Students and faculty, especially in the sciences, but to a lesser degree in the humanities, prefer to search for and retrieve scholarly materials via the Internet, rather than by the traditional approach that is reliant upon accessing paper-based content housed in a library building.

Libraries have also embraced information technologies – mainly as a means of expediting their traditional functions, but also to respond to the shifting interest of the faculty and students. However, by and large, the library community has not yet explored how (or even whether) this transforming technology might be used to enable the faculty and staff to be served in a less expensive manner without creating a loss in effectiveness. (This parallels the pattern throughout the university at large – where the priority typically is for higher quality, rather than for cost effectiveness.)

Libraries are facing crippling demands upon their budgets due to their rapidly rising costs. [Although rarely acknowledged as the primary source of their severe financial pressures, libraries (and universities at large) have historically evolved as a very labor-intensive organization. In fact, labor costs are the largest budgetary component – exceeding substantially that of the rapidly rising acquisitions costs that have been the focus of their consternation and political activity.] We believe that the Internet, if suitably exploited, has great promise for reducing costs (even if most existing uses suggest the opposite).

At least one university press has already been reorganized in a manner that uses the Internet to revitalize its publishing. [“New Model for Scholarly Publishing”, *Inside Higher Ed* <http://insidehighered.com/news/2006/07/14/rice> Their approach is consistent with the approach recommended by this project in February 2003 (Appendix 3) for publishing the highly focused, pre-tenure, limited-market manuscripts produced by young humanities faculty. This approach, unfortunately, was too daring to be embraced at Cornell (so far).]

University Provosts have recently joined the political effort to reclaim control of the publishing process: “Rallying Behind Open Access”, Scott Jaschik, July 28, 2006, *Inside Higher Education* <http://insidehighered.com/news/2006/07/28/provosts> The advantages of an open access paradigm for higher education are numerous – not just to resolve the persistent financial crisis that is causing so much anguish, but for society at large beyond the campus. This article provides hope that the open access movement has come of age and that the open access paradigm will become established as the new standard.

This project was organized by and sponsored by the Office of the University Faculty at Cornell University. At Cornell the post of Dean of the University Faculty is filled by direct faculty ballot so that that office is directly responsive to faculty needs much more than would typically be the case for that position. As a corollary, this project, while having joint library sponsorship and collaboration, has consciously attempted to be responsive to the scholarly needs felt by the faculty. That is, this project has been intentionally faculty and student-centric, rather than library-centric.

To illustrate the implications of this perspective shift, consider the digital repository, DSpace² that was chosen to serve the database needs of this project. Its designers came

² DSpace was created at MIT and is openly available, including the source code. Our project acquired the hardware to host this database. Cornell Information Technology (CIT) operates the hardware and the Library manages the software and database content.

largely from the library community so its designed functionality reflects their needs and priorities. Its design was conceptualized as a digital repository for archiving.

Archiving goes to the core of the library's tasks, but occupies a much lower priority for individual faculty – not because this has lesser importance collectively, but because the individual faculty members assign a low priority to this vital function because this role has not been lodged with the faculty. Nor are faculty members eager to assume this responsibility. They are not rewarded for performing an archival function. On the other hand, faculty members are keenly aware of the importance of publishing to their effectiveness and to the reward structure in which they function.

Therefore, we believe this accounts for the relative strong interest in DSpace among librarians across the world, but strikingly less interest in its utilization by the faculties. However, this project did sponsor the implementation and operation of DSpace at Cornell as the database infrastructure to serve the archival needs of departmental faculty, provided the hardware and funded its operational support. We were attracted by its structure and because it provides a basis for forming a shared database spanning all of higher education. The emergence of powerful search engines, such as Google™, makes possible its effective utilization as a highly decentralized database spanning all colleges and universities worldwide. Obviously, this structure can simultaneously serve an archival role for content that has a small, but dispersed audience as well as a publishing platform. For example, content that is not presently being made accessible, such as massive quantities of experimental data, computer code or other supplemental or secondary resources that cannot be published economically now, can be made accessible as appendices for traditionally published articles that contain a link to that resource.

The DSpace system also provides a necessary component of the infrastructure for a publishing function. Thus most of the creative efforts related to this project were directed to the creation of an open access scholarly publishing prototype, The Internet-First University Press [IFUP]. The initial reaction of some librarians was that the IFUP was merely a 'community' within DSpace. Of course, it is that, but our goal has been to have it become a *bona fide* publishing platform and to be populated with high quality content of broad interest.

In contrast with the premise of the *Field of Dreams* movie, building an archive has not immediately attracted faculty interest – either here or on other campuses. Therefore, one of our primary tasks has been to determine by trial and error how to serve the faculty in a manner that will be perceived by the faculty as adding value to their scholarly efforts.

Using the Internet and the indexing engine, Google™, we've created a low-cost publishing model at:

<http://dspace.library.cornell.edu/handle/1813/62>

This makes faculty scholarship widely and quickly accessible worldwide – and does so inexpensively. Further, we wanted to determine conditions under which faculty members would voluntarily contribute their high quality content to this open access venue. We understood that this publishing mechanism could not, at least initially, confer status upon the authors – the coin of the realm in the faculty reward structure.

The traditional mechanism used to transfer status to an author has been via publishing in high value (and high status), peer-reviewed journals. Of course, the open-access approach for distribution technically works whether the content has been peer-reviewed or not. In fact, it is truly remarkable that the Internet could have become so valuable a resource without a governing entity or a review process. We had to deal with the peer-review issue.

We explored, but delayed attempts to create a peer-reviewed journal. Many, many peer-reviewed, open access journals already exist, and one more successful example would be unlikely to significantly further our goals of changing customs in all of higher education. [Note: We are distributing one peer-reviewed, open access journal, CIGR's Ejournal.] We considered various ways to accomplish the peer review process in a more expeditious manner than is presently typical, i.e., using a preliminary screening process based upon author-selected readers to help the author perfect the manuscript before it is submitted. These readers would publicly vouch for the value of the article by associating their names at the end of the article. This would allow new content to be shared expeditiously. The actual peer review could then begin and be associated with the article later without difficulty or inconvenience to the reader – something that can be easily implemented with online distribution, but would have been unworkable in the paper-based paradigm. This could be implemented by posting reviews (anonymous or not) with the article when they become available. This could also be done by commissioning professional societies to select from the database of all participating digital repositories run by universities to create a Table of Contents of high quality content that is relevant to their audience and of high value. Inclusion of an article in that society's 'Contents' would provide status through this 'branding'. [An article could be honored this way by multiple societies.] The professional societies, thereby, would retain their gatekeeper function, but could be relieved of the expense of gathering and editing content if desired. This assumes that universities should assume the expense (not necessarily be the provider) for the peer-review process – assuming that research hasn't been completed until validated and made accessible to the larger academic community.

Another potential form of peer review would be to create links automatically at the time each newer article is submitted. A link could be added from each previously submitted articles referenced in the new article to the more recently submitted article. Faculty members will have an added incentive to publish well-prepared articles if they can be certain that others in their specialty may subject the new article to endless peer review—not just during the brief period after submission for publication. [In contrast with the paper-based publishing, additional links can be associated with the previously published article after the earlier article was published.] Thereby, a reader of any article in the database could be immediately directed to related work and its evaluative remarks as soon as it becomes available. That is, the contents services, now provided after-the-fact, could be made more timely and valuable. And authors could more quickly be made aware of the active interest of other scholars in a related topic, thereby potentially enhancing their own scholarly productivity. {Note: As with libraries, faculty labor costs are the largest recurring component of a university's budget!}

A further issue that influenced our decision to not establish a new peer-reviewed journal at this stage was our (financial) inability to assure sustained funding needed to assure long-term success over many years. Instead, we decided to publish non-serial content.

Our efforts have been to identify high quality materials that are validated by other means and for which the author is not dependent upon a transfer of status by association with an established, high status journal. We solved this in several ways. For example, we collaborated with the Graduate School to structure a mechanism for an ongoing stream of theses and dissertations to be put online. These materials are already subjected to a formal review process under the supervision of the Graduate School. [Note: Cornell comes quite late to the already widely established practice of putting theses and dissertations online. But this step represented a significant break with tradition on campus and after repeated efforts over many years by the Library to implement a digital approach for theses.]

In addition to providing to the interested graduate students a no-charge option for them to replace or to supplement the existing channel that does involve a charge, we arranged with the Digital Services group of Cornell Business Services a print on-demand service that delivers print (\$0.05/page, including the archival quality paper) – at a cost less than the least expensive copying service on campus) and provides both soft and hard bound copies for the student. The student may immediately make the thesis fully accessible worldwide, or may designate some finite period for the content to remain in a closed environment, thereby allowing time for patent filing or for a more formal publication process to play out. [Note: The author retains the copyright and conveys only non-exclusive permission for distribution, eliminating another traditional publishing impediment to using one's own scholarship.]

Another way to attract high quality content submissions was by inviting contributions from established faculty for whom gaining status wasn't an issue. In fact, a majority of the Cornell faculty already have been granted tenure. Further, the most senior and respected faculty have achieved high distinction and status already. Much of our initial content has been solicited from these senior faculty who were willing to give, rather than receive, status from their publications. So these were the faculty from whom we solicited contributions. And they responded!

For example, the world-class scientist and former Cornell President, Dale Corson, provide early content that led to a DVD. A second DVD of his reminiscences and historical documents pertaining to his long and productive career is now in preparation. We've published three DVDs and a website of content pertaining to the legendary physicist and Nobel laureate Hans Bethe – including many of his historically important public lectures and a memorial celebrating his life. We have also received contributions (now under development) from two other Nobel laureates as well. A great many of our contributors are members of one of the National Academies.

We have demonstrated that we can build a collection of high quality content for open access and without paying royalties. We resisted the pressures to quickly 'fill' the archive. See Appendices 2 and 5 for a listing of the metadata for the contents of Cornell's DSpace digital archive.

Unlike the pattern of peer-reviewed journals, our content covers the full range of topics of interest to the diverse Cornell faculty. Of course, the archive of graduate theses necessarily spans that full spectrum too.

The DSpace infrastructure, again reflecting the priorities of libraries, has not yet provided support for online viewing of multimedia materials. Consequently, we created a website for streaming video that has had to be hosted separately:

<http://ifup.cit.cornell.edu>

In fact, most of our effort during our final year of this project has involved commissioning and producing video content – both retrieving historically important video that had been taped, but due to costs had not been made publicly accessible and lectures and conferences video taped explicitly for publication by our project.

We created *The Internet-First University Press [IFUP]*. We used the distribution mechanism provided by DSpace, but controlled the postings here – by invitation only. We invited contributions from a diverse group of people on a diverse range of topics. Appendix 2 contains the metadata of our IFUP published content (not the actual content). This name, IFUP, was chosen to emphasize the primary role of digital content and its digital distribution, to emphasize that our publications exist primarily and initially online (and are freely available as is the tradition of the Internet). Subsequently these are additionally available on a user fee basis as printed documents or as individual DVDs (to retain higher resolution and larger image sizes). The name emphasizes the primacy of online publication.

This branding transformed the IFUP from a ‘mere community’ in DSpace, into a publishing venue. We created a collection of high quality content covering the entire spectrum of faculty interests. We did not feel compelled to restrict the scope, but quite the opposite, sought to create a comprehensive collection. And upon reflection, several other characteristics appear.

- It is apparent that we’re publishing content that likely has lower economic value than could be accommodated by commercial publishers. The reality is that much of the faculty and student output is intended for a specialized and narrow, rather than a broad, general interest audience. We’ve secured permission to re-publish or re-distribute numerous out of print materials. We solicited the faculty for nominations of out of print books that they would use in their courses if made readily available, so we posted numerous books. We agreed to provide print on demand copies and to pay a modest royalty from these sales. [Note: No royalty is paid for any of the materials that we distribute online and is distributed without any access fee or user payment required.]

We’ve also published many never before distributed materials. We’ll return to this below.

- Similarly, much of our output has a Cornell-centric flavor – departmental histories, works by and about some of our most famous faculty (Becker, Marcham, Bethe, Corson, etc.). We’re still in the process of developing an Oral History of the Chemistry and Chemical Biology Department via videos of interviews.

- Having decided to emphasize works by the senior faculty, we have provided a home for biographical works. For example, we've nearly completed a comprehensive review of animal reproduction by Robert H. Foote.
- We have also moved to fill a conspicuous publishing vacuum at Cornell – **video** (both online and as DVDs). Neither the Cornell Press nor the Library publishes video. Cornell Cooperative Extension, the one serious provider of video publications, has in recent years disbanded its Educational Television Center and transferred that function into Cornell Information Technologies (CIT). This relocated group provided videotaping services and editing for many of our projects. One of us (JRC) has developed video editing and DVD production skills (Final Cut Pro and DVD Studio Pro) needed to produce our videos. This technology has become quite inexpensive, easier to use and now offers the possibility of providing a publishing venue for materials that previously were too expensive to publish as edited paper volumes, e.g. workshops having a small audience, say of a few hundred.

As an experimental prototype we published a video record of a two and half day Janus Library Conference held at Cornell for a few thousand dollars. Relieved of the expensive editorial work required and expected for printed volumes (but by foregoing some utility associated with print) this could become an effective publishing mechanism for academe.

Some General Observations

We have demonstrated that we can produce videos of lectures for as little as one or two thousand dollars for an hour of content. Similarly, we have found that books can be scanned inexpensively, even when the text is regenerated using optical character recognition with sufficiently high quality to support full text searches (thereby dramatically increasing the accessibility and usability of the content)

To facilitate a national reach for our project, we attended several conferences and organized some ourselves. Our project sponsored several workshops – one at Columbia University to stimulate conversation across campuses and one at Cornell University to stimulate conversation locally.

The widespread usage of DSpace (nationally and internationally) provides an opportunity for numerous campuses to collaborate using a common frame of reference. The indexing services of Google Scholar makes the content of the repositories readily accessible to everyone. These two developments provide vital support that otherwise would have had to be provided for this project. We outlined and reported in one of our progress reports the features required to support a Global Internet Library. See paper by Kenneth M. King at <http://dspace.library.cornell.edu/handle/1813/179>

In due course these ingredients and a replication of our Internet-First University Press could provide a model for such a global, collaborative sharing of academic resources. If this happens, we'd have a model for a dramatically lower publishing and library operation function. That is, each campus might be relieved of trying to acquire and

maintain its own comprehensive collection with an inherent duplication of content with other campuses and costs that now characterize the largely paper-based library.

Our local efforts included a campus-wide faculty forum on scholarly publishing problems and opportunities and a campus-wide debate within the Faculty Senate, which adopted resolutions in support of the library's efforts to extract itself from unsustainable financial pressures and to encourage open access publishing as an attractive new direction for convenience and for costs. An underlying political strategy is to convince the faculty to make its scholarly publications freely available online before third parties can capture the content and secure it behind a high financial fence.

Types of Materials Published

We experimented with low-cost publishing for many different classes of content.

- We secured permission to provide online and print on-demand copies of many text books of specific interest to Cornell faculty. In most cases, the authors and publishers we delighted to have us breathe new life into their content. [Note: We did not ask for a copyright transfer – merely permission to distribute.] For these, the Library's scanning service provided high quality scanning with optical character recognition to generate an approximate copy of the text. To avoid the costs of proofreading, this recovered text is not displayed, but merely used in the background to make full text searching possible. The reader sees only images of the original pages.

Examples include: Carl Ginet's *Knowledge, Perception, and Memory*, Paul Velleman's *Application, Basics and Computing of Exploratory Data Analysis*, ASAE's history *Seven Decades That Changed America*, Jack Oliver's *The Incomplete Guide to the Art of Discovery* and his autobiography, *Shakespeare Got It Wrong: It's Not "To Be," It's "To Do"*, Cullers, *On Puns*, Hertz's *End of the Line*, and David Feldshuh's script of the *Antigone* production by the Department of Theatre, Film and Dance.

Several departmental histories have been placed online: two histories of Animal Science (Turk's and Elliot's), Bandler and Holland's history of Food Science, Hartman's history of Physics. We also published Lara Stanton's *History of Kendal at Ithaca*, a place also referred to as 'the other physics department'. Other departmental histories are being scanned or written.

Several shorter monographs on Immigrants and the Community by Max Pfeffer and colleagues were published.

- In some instances we provided online access to materials that were still available in printed format, e.g. a collection of Cornell Cooperative Extension materials. We expanded the access to these materials, as described below.

- We published many completely new books – online and as print on-demand. The online copies are posted using Adobe's Portable Document Format (PDF) and usually the file size has been reduced (downsampling the images to the 72 dpi limits of a computer display) to minimize the storage and network transfer demands. The full resolution version is used for printing the print on-demand copies. Our publishing paradigm allows a reader to print a personal copy from a downloaded PDF, but not to mass-produce copies or to distribute them. The author of these materials is entitled to a

royalty on multiple printings or on mass distribution copies. Examples include John Rudan's *History of Computing at Cornell*³, John Marcham's editing of his late father's memoirs⁴, *The Guide to the Finger Lakes Trails*⁵, *Reflections on Animal Reproduction* by Robert H. Foote⁶, Jay Orear's *Enrico Fermi: The Master Scientist*, Richard Rand's *Lecture Notes on Nonlinear Vibrations*, Brian Earle's *The First Year Experience*, Arthur Lembo's book on usage of a geographical information system (GPS).

- We published a conference that had not been video taped, but for which audio tapes had been produced (prior to the beginning of our project). These recordings were augmented with the collection of still photos. Had it been feasible at the time of the conference we either could have video taped the conference, or at least have made a more generous collection of still photos. The previously prohibitive cost for publishing video caused this omission. During the life of this project digital video editing has evolved with inexpensive consumer editing and DVD production tools.

- Because publication of videos has been so expensive in the past, many important lectures and other events have been taped, but not published. Consequently we have been given access to several treasure troves of unpublished video tapes of public presentations by notable Cornell faculty, e.g., the late Professor Hans Bethe and a six lectures by eminent scientists at the Cornell-hosted Debye Centennial Symposium. We used these to generate small image streaming videos and larger image DVDs. Another example is the address by the Hon. Mark Kirk, a Cornell graduate in the U.S. Congress who was hosted by Prof. Walter LaFeber. A number of these video projects will be completed after this report has been filed, e.g., the 1984 Symposium celebrating the one hundredth anniversary of the birth of Cornell's first Nobel laureate, Peter J. W. Debye (which included lectures by Linus Pauling, E. Bright Wilson, Mark Kac, Paul Flory and Mark Eigen). Also subsequent to this report we'll publish some lectures given previously by a young Robert C. Richardson (a subsequent Nobel laureate), Messenger Lectures by Sir Martin Rees, and Baker Lectures by another Nobel laureate from Cal Tech, Robert Grubbs. Likewise, interviews recently taped in connection with the Oral History Project of the Department of Chemistry and Chemical Biology (Nobel laureate Roald Hoffman, Harold Scheraga, Simon Bauer, Fred McLafferty, Donald Cooke) are still being processed.

- We provided a platform for several videos produced by Phil and Maddy Handler to salute famous Cornell Alums (Elsie Popkin, Jill Lerner, Richard Meier, and Donald Greenberg).

- Another major project was the scanning of 100+ years of the Cornell Alumni Magazine (beginning April 5, 1899), to serve the needs of our graduates and to expand the value of that historical resource by making it readily accessible. The entire collection has been scanned and the process of posting these into DSpace is underway. See the current status of this list at:

<http://dspace.library.cornell.edu/handle/1813/3157>

<http://dspace.library.cornell.edu/handle/1813/1166>

³ [Cornell Tries a New Publishing Model: Scholarship on Demand](#) Scott Carlson. March 5, 2004. The Chronicle of Higher Education <http://chronicle.com/weekly/v50/i26/26a02901.htm>

⁴ DVD: *The Legacy of Frederick H. Marcham*

⁵ Book: *Guide to the Plant Communities of the Central Finger Lakes Region*

⁶ DVD: *Animal Reproduction: Reflections by Robert H. Foote*

<http://dspace.library.cornell.edu/handle/1813/94>

- We are also publishing online several important undergraduate magazines (*The Quad* and *The Visible Hand*). <http://dspace.library.cornell.edu/handle/1813/94/browse-title>

And are also publishing the abstracts for the undergraduate honors theses in biology, starting with 2002. <http://dspace.library.cornell.edu/handle/1813/94/browse-title>

- “The Research Experience for Undergraduates in Biological and Environmental Engineering” formal report presentations in 2005 were captured on a DVD to support this important undergraduate program.

- The creation of new video tapes was contracted with the Educational Television Center for many significant seminars and lecture series (an A.D. White Professor lecture by Lynn Hershman Leeson, an interview of Steven Squires about the recent success of the Mars Rover project he heads, several seminars by visitors in the American Indian Program, groundbreaking for the new Life Sciences Technology Building, a Cornell Interactive Theatre production, Mike Abrams’ lecture on the James Joyce Collection, etc.

- We have made several existing publications available online, including support for full text searches: The entire collection of the *Cornell Alumni Magazine* (as mentioned above), the entire collection of *The Cornell Chronicle*, the entire collection of *The Cornell Engineering Quarterly*, the Memorial Statements honoring deceased members of the University Faculty, ...

- We demonstrated the archiving of databases with botanical photographs from the Cornell Plantations, when display support for thumbnail images came to DSpace.

- The Global Performing Arts Resource Consortium (GloPAC) has developed templates and created a collection at

<http://dspace.library.cornell.edu/handle/1813/2241>,

which will enable them to continue contributing material to DSpace. Two articles have been contributed: one by Joshua Young entitled “On Metadata: Performing Arts

Materials In Our Digital World” <http://hdl.handle.net/1813/3214>

and another by Rachel Howard et. al. entitled “Documenting a Metadata Standard for the Performing Arts: An Application Profile for the Global Performing Arts Database (GloPAD)” (<http://hdl.handle.net/1813/3215>). A set of Web pages with templates and tutorials on creating subtitled videos for Internet distribution has been posted. They archived a prototype of a Japanese Performing Arts Resource Center; see

<http://hdl.handle.net/1813/2272>).

- Mann Library: Supplemented the completion of the scanning of *New York Food and Life Sciences Bulletin* while *The New York Agricultural Experiment Station Bulletin* (Geneva) (831 issues with 32,705 pages) and *The Cornell Agricultural Experiment Station Bulletin* (Ithaca) (1,031 issues with 44,950 pages) are currently be scanned. Mann Library has contributed staff support to these projects.

- Science Education: The remarkable Prof. Emeritus Verne Rockcastle (Education Department) at age 86 developed a website of teaching resources (experiments) for elementary and middle school (grades 4-9) users. See <http://rockcastle.org/>

- Plant Biology: Prof. M.V. Parthasarathy has developed for this project a rotating stage for a Scanning Electron Microscope and used it to produce videos of user-controlled rotating 3-D images. These are spectacular, but have not yet been posted.

Software Development

The project has funded the development and implementation of two important enhancements for the DSpace code:

- A “Quick Submit” interface to minimize the effort required for submission of materials to DSpace, believing that infrequent users of the system need a reduced time and complexity threshold will appreciate this added convenience, and therefore, be more likely to contribute.
- A display has been added of the number of times each DSpace item has been accessed. This was done to demonstrate to authors that materials published here attract a surprisingly large number of viewers (relative to paper-based publishing) – and hence to encourage faculty interest in this publishing venue.

Appendix 5 lists the metadata for the contents of the Cornell DSpace collection as of this writing. [Note: Many additional items are yet to be posted.] The final field, Visits, reports the data generated by this software enhancement. Because the items have been online for differing amounts of time, a direct comparison among entries likely would be misleading. However, even a cursory glance reveals a surprisingly large interest by users – with thousands of hits being common. One item has attracted more than 10,000 visits. The tribute to Hans Bethe, *I Can Do That*, has attracted more than 8,000 views. [Note: Our streaming videos had to be posted externally to DSpace and many are not yet cross-listed in DSpace.] In the experiment with ten Cornell Cooperative Extension publications, the number of visits ranged between 1,200 and 2,200 – thus expanding the audience of those materials that were otherwise distributed only in printed format and carried a user fee.

White Papers Commissioned

The project has sponsored five research reports - four by Malcolm Getz, a Vanderbilt University economist and the former University Librarian there and one by Raym Crow, an independent consultant who has done significant research in the area of open publications. These reports are contained in the Internet First University Press at <http://dspace.library.cornell.edu/handle/1813/62> and are indexed by Google.

Below is a brief description of each of these reports.

1. Open-Access Scholarly Publishing

An Economic Perspective. by Malcolm Getz June 11, 2004

What is the prospect for migrating scholarly journals from paper to digital formats in a way that lowers university expenditures? Although many journals are published digitally; at least so far, the digital format complements paper, increasing university expenditures. Open-access publications that are free to readers and financed by publication fees paid by authors and their agents may both lower costs and allow scholarship to reach a larger audience. However, gains to universities may depend on open-access being quality assured and controlled by not-for-profit publishers. Potential savings for a typical US research library might be on the order of \$2.3 million per year even if the same level of effort goes to reviewing and editing published articles as at present. To launch the initiative, provosts might adopt policies to support publication fees and not-for-profit publishers might invest in start up funds for editing and

marketing open-access journals.

<http://dspace.library.cornell.edu/handle/1813/190>

2. Three Frontiers in Open-Access Scholarship

by Malcolm Getz June 11, 2004

There are three important frontiers in moving from subscription-based, scholarly publications to delivery of scholarly works to readers without charge via the Internet. First are automated archives of preprints and post prints that do not require formal editorial review before posting. The arXiv service, now at Cornell, is emblematic of this frontier. (arXiv, 2004) Second are the quality-assured journals that are distributed on an open-access basis. The Public Library of Science initiative in launching journals in biology and medicine is emblematic of the second frontier. (Public Library of Science, 2004) Third are open access indices to the scholarly literature. Google Scholar, launched in beta version in November 2004, is emblematic of this frontier. (Google, 2004) Each frontier advances the prospect that the best scholarship will be readily available to all via the Internet.

The success of open journals will come from the greater rate of citation for materials published in quality journals in the open and their greater level of accessibility in open indices. Scholars who publish in the open are then likely to see their work cited more frequently and faster and therefore to build stronger reputations.

<http://dspace.library.cornell.edu/handle/1813/307>

3. Open Scholarship and Research Universities

by Malcolm Getz May 12, 2005

The Internet is changing how scholars work and how universities build their reputations. The movement of academic publications to an open architecture of archive, journal and index is underway. The shift to open scholarship may cause scholarship to be of wider influence in our society and across the planet. Researchers are likely to be more productive and students will learn more by using open scholarship.

The cost of scholarly communication will fall modestly with a shift from paper on library shelves to digital communication via the Internet because much work needs be done only once for the Internet rather than on each campus and also because open publishers need not keep track of transactions with individual readers or libraries. A shift to open publication may also bring control of journals to the universities and recapture some of the rents from scholarship for scholarly purposes.

The initiative is with university leaders. Instead of paying a few individual commercial publishers' very large bills for journals, a university might invest thoughtfully in the infrastructure and in the editors needed to launch open journals. Each of 100 research universities might invest carefully in ten new excellent quality open journals in strategically chosen disciplines. Each might also see another dozen smaller scale journals develop with voluntary editing. As a result of such ventures, the scholarly landscape would show significant results within five years. Within ten years, open journals are likely to dominate scholarly communication.

<http://dspace.library.cornell.edu/handle/1813/1344>

4. Incubating Open Access Journals in Economics

by Malcolm Getz October 20, 2005

As open journals become intellectual successes, they will come to substitute for subscription-based journals. The entry of two new journals specializing in economic theory, one a commercial subscription journal and the other an open journal, stimulates the question: What does a new journal require in order to achieve intellectual impact? Regressing the ISI Impact Factor for 141 journals on attributes of the journals estimates their relative importance. The intellectual reputations of the editors and of the authors' prior work along with the number of libraries that hold the title are positively associated with the journal's Impact Factor. Using the attributes of the new journals in the estimated relationships yields a forecast of the Impact Factor for the new journals. An open journal has the advantage of being immediately as accessible everywhere on the Internet as though held by many libraries. Its forecast impact is comparable to the journals with the highest impact in this specialty. Some open journals are able to attract outstanding editors and authors with the natural advantage of universal access without charge. <http://dspace.library.cornell.edu/handle/1813/2468>

5. Developing an Institutionally-funded Publishing Channel: Context & Considerations for Key Issues by Raym Crow June 1, 2004

This paper explores alternatives for finding a practical publishing mechanism by which to implement open access publication and the viability of direct institutional funding for publishing faculty research.

<http://dspace.library.cornell.edu/handle/1813/188>

Other Projects Still Being Developed

We funded a study to specify how to archive the Cornell University website. A team from CIT recommended an approach (and existing software) and this project has been transferred to the Library for execution. Surprisingly, no one has been capturing this vital and dynamically changing mirror of Cornell's history.

The Cornell Professors Emerti (CAPE) are developing a history of Cornell's international outreach – a segment of Cornell's history that has been little documented. A first chapter by historian Carol Kammen has been deposited in DSpace and several interviews have been audio taped in the Educational Television Center's studios.

We commissioned several white papers to elucidate financial issues affecting a migration to an open access paradigm. We now have an estimate of the magnitude of cost reduction associated with reverting to an entirely not-for profit mode of publishing by higher education. We did not, however, quantify the financial benefits associated with having content communicated freely and accessible anywhere, anytime worldwide. Nor did we quantify the financial benefits that might be associated with sharing a common, open access publishing system with each campus paying the publishing costs of its own faculty, in contrast with the present approach of acquiring (or licensing) a comprehensive collection on each research university campus – with its inherent redundancy in acquisition, storage and management costs. As was pointed out more than two decades earlier by Prof. Fred Schneider, the extrapolated trend is for libraries to no longer to own their collections that can be used indefinitely but to license materials that can be used only so long as the licensing fees are paid. In short, unless higher education finds a way to retain access rights before the individual faculty members transfer the ownership to third parties, our libraries could become content-free.

Notice that this project is exploring ways for permanent access to be retained. We are trying to achieve this end without transgressing the longstanding autonomy held by faculty in deciding when and where to publish. The university cannot (and should not) claim publishing control of the faculty's scholarship because the price would be a loss of academic freedom and an unwinnable dispute with the faculty. Instead, we seek to find an approach in which the faculty members will choose and find it attractive to make their scholarship openly accessible. Our model is to offer the widest possible audience for a faculty member's scholarship and to enhance the prospect that this scholarship will be valued.

Budget Report

The project balance has been reduced to zero. The no-cost extension allowed us to massively extend the work of the project given the large time required to complete all aspects of a project. We have a considerable backlog of projects that have been taped but still require some production work. Note: Both authors (who are retired) are contributing their services without compensation. Remarkably, this prototype of an open access publishing process at no time had any staff employees; all services needed existed on campus on a fee basis and were assembled cooperatively. And we had no dedicated office location. We have been truly dedicated to demonstrating that low-cost, open access publishing could be achieved.

The budgetary summary by years is contained in Appendix 4.

Closing Remarks

The authors are extremely grateful to The Atlantic Philanthropies for its financial and moral support for this project. We hope we have provided insights and a prototype for a workable paradigm that will become widely used at Cornell and, if that happens, will also eventually be adopted throughout higher education.

We did not have the local political support needed to trigger the national discussion of open access publishing we had hoped would be possible. Nor were we able to definitively analyze the financial benefits of having a truly global, open access Internet-First Press that fully benefits from information technologies. But our analyses did illuminate some of the costs issues and revealed some opportunities worthy of exploration.

We were unable to elicit a meaningful degree of cooperation with the Cornell Press – either by making a substantial number of their out of print books accessible, exploring a proposed low-cost approach to publishing online to make limited audience books by young faculty publishable or even for them to handle the distribution of our print on-demand books and DVDs.

We believe that we have demonstrated:

- a) That a massive quantity of valuable content (out-of-print and not previously published) remains inaccessible and under-served by the current paper-based

- approach to publishing and could be published online with rather modest costs.
- b) That Cornell faculty members are willing to contribute high quality materials for open access sharing without expectation of a royalty.
 - c) That the service components needed to formalize an online publishing operation already exist at Cornell but remain administratively disconnected.
 - d) That in only a few instances was the cooperation and support we sought withheld or given grudgingly.
 - e) That we have created a publishing venue of comprehensive scope, in striking contrast with other publishing efforts at Cornell
 - f) That the Land Grant Mission of Cornell to 'reach out and touch the world' has been embraced implicitly by faculty from across the entire campus.

On the Horizon

We have received some funding from the Vice Provost for Research so we can continue working for at least another year. This will give us time to complete the numerous projects still in progress and to undertake some additional important and interesting projects.

Vice Provost Richardson has agreed to work with us to seek external funding to continue our work and to explore additional avenues of open access publishing.

Appendices (The larger files appear as separate PDF files)

Appendix 1: List of participants during some phase of this project

Appendix 2: Metadata for IFUP

Appendix 3 Proposed Online Publishing Model for University Presses

Appendix 4: Budgetary Report

PDF 1

Appendix 5: Contents of Cornell's DSpace Digital Archive on July 27, 2006

Appendix 6: Communities in Cornell's DSpace digital repository

PDF 2

Appendix 7: Sleeves of DVDs published

An Appreciation: We gratefully acknowledge the superb administrative support provided by Diane LaLonde in the Office of the Dean of the University Faculty and the sponsorship of that office as extended by the Dean of the University Faculty, Charles Walcott.

Appendix 1:

List of participants during some phase of this project

Scholarly Publishing Group

J. Robert Cooke. Professor, Department of Biological and Environmental Engineering and immediate-past Dean of the Cornell University Faculty, and July 1, 2004 thru July 2006, Chair of the University Faculty Library Board

Kenneth M. King <kmk7@cornell.edu>, Project Manager, former Cornell University Vice Provost for Computing, former President of EDUCOM and major contributor to the creation of the Internet.

Ross Atkinson, the late Associate University Librarian for Collections and the principal library sponsor of this project.

Richard W McDaniel <rwm2@cornell.edu>, Associate Vice President for Cornell Business Services

Bill Arms <way@cs.cornell.edu>, Professor of Computer Science (digital library focus)

Thomas Robert Bruce <trb2@cornell.edu>, Co-Director of the Legal Information Institute at the Cornell Law School

Paul Ginsparg <Ginsparg@cornell.edu>, Professor of Physics and of Computing and Information Science and founder of the physics arXiv.

Polley A. McClure <Polley.McClure>, Vice President for Information Technologies and Professor in Ecology and Evolutionary Biology

Karl Joseph Niklas <kjn2@cornell.edu>, editor in chief of American Journal of Botany and Liberty Hyde Bailey Professor of Botany

Sarah Elizabeth Thomas <set9@cornell.edu>, University Librarian

H. Thomas Hickerson <hth2@cornell.edu>, Associate University Librarian for Digital Library Info Tech

B. DSpace Working Group

J. Robert Cooke jrc7@cornell.edu (Principal Investigator)

Kenneth M. King <kmk7@cornell.edu> (Project Director)

Ross Atkinson, the late Assoc Univ. Librarian

H. Thomas Hickerson <hth2@cornell.edu>

Marcy Rosenkrantz <mr41@cornell.edu>, Directory of Library Systems

Teresa Ehling <teresa_ehling@cornell.edu>, Director of Electronic Publishing

R David Vernon <rdv2@cornell.edu>, Director of Info Technology Architecture, Cornell Information Technology

Stephan G. Beeusaert <sgb23@cornell.edu>, Cornell Business Services

Kim Barrett <kag6@cornell.edu>, Cornell Business Services CBS Digital Services

Chad O'Shea, <ceo8@cornell.edu> Digital Services, Graphic Designer

Mike Powers <ffp1@cornell.edu>, Assoc Dir, Comstock Group of Communication and Marketing Services and now Director of Operations in Office of VP University Communications

Judith C. Stewart <jcs6@cornell.edu>, Managing Editor, Publications & Marketing.

Claudia Wheatley <caw43@cornell.edu>, Editor, Publications & Marketing

George Kozak, gsk5@cornell.edu>Programmer / Analyst, Cornell Library (keeper of DSpace)

Appendix 2

Metadata for The Internet-First University Press Collections

Books and Articles (IFUP)

AU: Bandler, David K.; Holland, Robert F. TI: Food Science at Cornell University: A Century of Excellence, 1902-2002 KW: Cornell University; Cornell; food science; food technology; food science and technology; food science & technology; food engineering; food processing; food safety; food microbiology; sensory; anti-oxidants; milk; cheese; food packaging; food quality; international food science; undergraduate; graduate; university; dairy science; dairy store; pilot plant IssD: 2002 Pub: Publisher: ABS: This publication is a comprehensive look at the evolution of the Department of Food Science at Cornell University from the early years through its centennial celebration in 2002. Collection: Books and Articles
File: Food Science Book online.pdf Desc: Description: Size: 8091478
URI: <http://hdl.handle.net/1813/353> Visits: 924

AU: Becker, Carl L. TI: Cornell University: Founders and the Founding KW: Cornell University; Founders IssD: 1943 Pub: Publisher: ABS: Six lectures delivered at Cornell University on the Messenger foundation in the year 1943, in recognition of the 75th anniversary of the opening of that institution in the year 1868: together with fifteen interesting but hitherto unpublished documents relating thereto. The whole further adduced in explanatory and commentative notes and supported by exact references to the original sources according to the practice of the most eminent historians; with all of which is included an address entitled 'The Cornell tradition,' delivered on April 27, 1940, in recognition of the 75th anniversary of the signing of the charter. Collection: Books and Articles
File: Founders Address.pdf Desc: Description: The Cornell Tradition: Freedom and Responsibility Size: 578176
URI: <http://hdl.handle.net/1813/184> Visits: 2169

AU: Berg, Roy T.; Butterfield, Rex M. TI: New Concepts of Cattle Growth KW: cattle growth; beef production; muscle growth; carcass composition; cattle development; bone growth; muscle distribution IssD: 1976 Pub: Publisher: ABS: The concepts in this book about growth and development of cattle are as new now to most cattle producers and even to many animal scientists as they were when it was first published in 1976. Genetic effects - represented by breed and sex differences - on patterns of growth of muscle, fat, and bone are graphically presented to provide a vivid elucidation of the effect of mature size on changes in body composition with increasing weight. A comprehensive analysis of muscle dissection data shows that historical attempts to select animals for improved muscle distribution, at least as represented by differences among breeds as diverse as Holstein and Hereford, have been futile. Other effects, such as nutrition, on growth of muscle, bone, and fat are covered, and the

effectiveness of indirect methods of predicting carcass composition are summarized. This book is an essential component of the reference collections of agricultural scientists and livestock farmers who rely on data to make decisions about the value of animals for meat. Collection: Books and Articles

File: Cattle Growth v05Apr#169882.pdf Desc: Description: Size: 10586882

URI: <http://hdl.handle.net/1813/1008> Visits: 5901

AU: Bristow, Barbara J. TI: It All Adds Up KW: savings accounts; using credit; checking accounts; understanding advertising; developing consumer skills; shopping at home IssD: 1998-05 Pub: Publisher:

ABS: This manual is a consumer education program for teens. It provides a basic understanding of the responsible handling of money, including savings and checking accounts, shopping, understanding the role of advertising, and using credit. The intended audience is 13- to 19-year-olds. Collection: Books and Articles

File: All Adds Up Desc: Description: Size: 4937816

URI: <http://hdl.handle.net/1813/70> Visits: 1380

AU: Butterfield, Rex M. TI: New Concept of Sheep Growth KW: sheep growth; muscle growth; sheep development; bone growth; wool; muscle distribution IssD: 1988 Pub: Publisher:

ABS: Sheep are one of the most important animal agricultural species and how they grow is a topic of interest to farmers and agricultural scientists world-wide. This book, published in 1988, lays the foundation for an understanding of how tissues grow in relation to each other and to the maturity of sheep. It first describes the growth of a single sheep and then goes on to show how mature size, castration, gender, and breeds affect body composition at given stages of growth. Special emphasis is placed on modern quantitative methods to define the relative maturing rate, Q, of various parts of the body. The author makes use of an extensive data base on the body composition of Australian Merino and Dorset Horn breeds for comparison purposes. Detailed appendices define terminology, techniques for carcass dissection, suggestion indices for describing changes in body composition during growth, and provide detailed data on dissectible muscle weights in sheep. This classical book should be included in the collections of agricultural scientists and livestock farmers. Collection: Books and Articles

File: New Concepts of Sheep Growth.pdf Desc: Description: bitonal and grayscale pages Size: 48413206

URI: <http://hdl.handle.net/1813/2095> Visits: 999

AU: Cathles, Lawrence M. TI: Natural Climate Change:A Geological Perspective KW: Earth and Atmospheric Sciences Department; Cornell University; Departmental History; Global Warming IssD: 2005-03-04 Pub: Publisher:

ABS: If the 4.6 billion years the earth has been in existence is one day of geologic time, all of recorded earth history corresponds to the last one tenth of one second of that day- hardly enough time to form an opinion of what is going on in the room in which you are sitting, and hardly a good basis for forming a perspective on climate change. Geology provides the needed perspective. From direct evidence (glacial striations, ice-rafted drop stones, changes in pollen, ice cover, and sea level) and indirect evidence (changes in the isotopic composition of sediments and ice, and in the dust content of polar ice) geologists infer that the earth may have been alternatively completely frozen

(-50C) and very warm (+50C) in Late Proterozoic time (800-600 million years ago). Thereafter the earth was warmer than present except for "ice ages" in Pennsylvanian and Permian time (~320-250 million years ago) and in the Quaternary (last 4 million years). Before the last decline in global temperature, England had a climate similar to that of Indonesia. Fossils of crocodiles and broad leaf tropical plants are preserved in the Eocene (40 million year-old) clays there. Continental glaciers developed in Antarctica ~34 million years ago and in Greenland ~8 million years ago. Starting about 2 million years ago continental glaciers periodically covered North America and Europe. Each glacial cycle was ~120,000 years in duration: 100,000 years of ice growth (ice-house conditions) and 20,000 years of warmer, interglacial, green-house conditions. The end of each interglacial was abrupt. The last glacial cycle started about 130,000 years ago. Ice reached Ithaca, New York about 45,000 years ago. At its maximum extent the ice reached to Long Island, and there was ~ 1 mile of ice over Ithaca. The ice age ended abruptly ~12,000 years ago and the last ice melted in Canada ~5,500 years ago. Our interglacial has probably been more uniform in temperature than previous interglacials, but non-the-less there have been significant and rapid climate changes within it. It was warmer than present during the Holocene Maximum (7000-4000 years ago) and during the Medieval warm period (1000-1400 AD), but colder than present during the Little Ice Age (1400-1860) when the Dutch skated on their canals and Washington and Jefferson commuted to Washington D.C. by sleigh. Recent geological studies suggest that recent minor climate changes (last 12,000 years) are caused by changes in solar energy output. These natural climate changes provide a context for discussing changes that might be caused by humans and for what can be meant by "sustainable". Of course climate change is real (40 million years ago England had the climate of Indonesia, but in the last few million years it has been subject to ice ages interspersed with interglacials). Human activity may be a factor, but other factors also operate. If we are to take out insurance (by controlling greenhouse gases, for example), we should consider what we wish most to insure against (another ice age or global warming) and how much we are willing to pay. My recommendation is to make commitments deliberately, wait for scientific clarification (which will come quickly), and avoid politicizing science. Objective science will be our best long-term protection.

Collection: Books and Articles

File: Climate_Change-.pdf Desc: Description: Size: 6280978

URI: <http://hdl.handle.net/1813/2487> Visits: 843

AU: Cope, J. A.; Winch, Fred E. Jr.; Cope, E. A. TI: Know Your Trees KW: alternate; blade; chambered pith; compound leaves; deciduous; entire; lanceolate; leaflet; leaf scar; linear; lobed; margin; midrib; node; oblique; opposite; ovate; palmate; persistent; pinnate; serrate; simple leaves; spur; terminal bud; thorn; truncate IssD: 1948 Pub: Publisher:

ABS: This publication describes 50 common trees native to New York State and other parts of the United States. The bark, twigs, winter buds, leaves, fruit, and distinguishing features of each are described in detail. Illustrations enhance the reader's ability to study the trees in their natural settings. Collection: Books and Articles

File: art.pdf Desc: Description: Size: 7573538

URI: <http://hdl.handle.net/1813/86> Visits: 1732

AU: Decker, Daniel J.; Kelley, John W.; Goff, Gary R.; Schneider, Rebecca; Smith, Charles R.; Curtis, Paul D. TI: Enhancement of Wildlife Habitat on Private Lands KW:

benefits of wildlife enhancement; elements of wildlife enhancement; problems of wildlife enhancement; brush shelters; nest structures; living brush piles; den and cavity tree preservation; feeding stations; water projects; planting and plants; creating and maintaining openings; managing odd areas and corridors IssD: 1998-02 Pub: Publisher: ABS: This publication describes methods to enhance wildlife populations on private lands. It includes illustrations and instructions for 10 low-cost to moderate-cost projects to provide desirable habitats. Many of the projects are applicable for urban parks, suburban backyards, and rural areas. It also introduces the concept of protecting biological diversity through ecosystem management. Collection: Books and Articles File: Enhancement of Wildlife on Priv Desc: Description: Size: 8577718 URI: <http://hdl.handle.net/1813/72> Visits: 1389

AU: DeNicola, Anthony J.; VerCauteren, Kurt C.; Curtis, Paul D.; Hyngstrom, Scott E. TI: Managing White-tailed Deer in Suburban Environments KW: deer management; deer-vehicle collisions; deer ecology; nonlethal deer management; deer population reduction; deer damage control IssD: 2000-10 Pub: Publisher: ABS: Deer populations in suburban environments are soaring, resulting in an increase in deer-related conflicts such as property damage, vehicle collisions, and altered forest ecology. This publication describes strategies and methods for controlling deer populations in suburban environments and provides extensive resource contacts and a list of state wildlife agencies. Collection: Books and Articles File: Managing White-tailed Deer Desc: Description: Size: 21265897 URI: <http://hdl.handle.net/1813/65> Visits: 1605

AU: Dietert, Rodney R.; Dietert, Janice M. TI: Compendium of Scottish Silver Volume 2 KW: Scottish silver; book; silver; antique; antiques; gold; Scotland; jewelry; hollowware; British; goldsmith; silversmith; catalog; catalogue; jeweler; museum; auction; photos; compendium; archives; timeline; glossary; history; Edinburgh; Glasgow; Aberdeen; Dundee; miscellaneous; mug; thistle mug; porringer; bleeding bowl; quaich; salver; tea; tea service; tea kettle; waiter; stand; label; coaster; goblet; cup; funnel; stand; tazza; urn; teapot; salt; tankard; ewer; Scottish; National Museums of Scotland; Colonial Williamsburg; Christie's; Sotheby's; coffeepot; heraldry; crest; arms; motto; chasing; engraving; Jacobite; cartouche; rococo; collecting; collectables; collection; master; apprentice; freeman; training; Bonham's; Phillip's; Incorporation of Goldsmiths; Lyon & Turnbull; Woolley & Wallis; Perth; Inverness; Tain; Wick; Peterhead; thistle; Banff; royal; UK; United Kingdom; Elgin; deacon; Stonehaven; St. Andrews; antique silver; decorative arts; marker's mark IssD: 2006-05-18 Pub: Publisher: ABS: The Compendium of Scottish Silver is a comparatively comprehensive catalog of antique, as well as some modern, Scottish silver and gold made between 1320ca and 2004 that has appeared in public and private collections, auction sales and antique shops during the past 50-100 years. It represents an attempt to provide a representative view of Scottish silver production over the centuries as reflected in extant examples. Additionally, the catalog is useful in evaluating the relative rarity of various forms (e.g. Scottish cake baskets or dish crosses) as well as the primary craftsmen producing specific forms (e.g. egg-shaped teapots, dolphin-handled creamboats). The catalog contains over 5,100 listings arranged alphabetically by item (e.g. bowls, candlesticks, flatware, etc.) and presented among items, chronologically. Volume 2 is a continuation from Volume 1. This volume contains the second half of the alphabetical listings from Miscellaneous-Wine as well as a Guide, a Listing of First Appearances and a Glossary of

the terms use in describing the silver as well as its production and decoration. Photographic examples for most categories are also included before each set of listings. The book should be a helpful resource for collectors, museums, antique dealers, auction houses, as well as historians, genealogists and other researchers. Collection: Books and Articles

File: Silver Rev vol two smaller REV6-063.pdf Desc: Description: Size: 2578754

URI: <http://hdl.handle.net/1813/3027> Visits: 918

AU: Dietert, Rodney R.; Dietert, Janice M. TI: Compendium of Scottish Silver Volume 1 KW: Scottish silver; book; silver; antique; gold; Scotland; jewelry; hollowware; British; goldsmith; silversmith; catalog; catalogue; jeweler; museum; auction; photos; compendium; archives; timeline; glossary; history; Edinburgh; Glasgow; Aberdeen; Dundee; basket; beaker; badge; broach; bowl; cream; creamboat; tea; candlestick; caster; dinnerware; flatware; spoon; fork; knife; dish; plate; church; parish; communion; flagon; laver; cup; tongs; scoop; National Museums of Scotland; Colonial Williamsburg; Christie's; Sotheby's; coffeepot; heraldry; crest; arms; motto; chasing; engraving; Jacobite; cartouche; rococo; collecting; collectables; collection; master; apprentice; freeman; training; Bonham's; Phillip's; Incorporation of Goldsmiths; cruet; Lyon & Turnbull; Woolley & Wallis; Perth; Inverness; Tain; Wick; Peterhead; thistle; Banff; royal; UK; United Kingdom; Elgin; deacon; Stonehaven; St. Andrews; antique silver; decorative arts; marker's mark IssD: 2006-05-18 Pub: Publisher:

ABS: The Compendium of Scottish Silver is a comparatively comprehensive catalog of antique as well as some modern Scottish silver and gold made between 1320ca and 2004 that has appeared in public and private collections, auction sales and antique shops during the past 50-100 years. It represents an attempt to provide a representative view of Scottish silver production over the centuries as reflected in extant examples. Additionally, the catalog is useful in evaluating the relative rarity of various forms (e.g. Scottish cake baskets or dish crosses) as well as the primary craftsmen producing specific forms (e.g. egg-shaped teapots, dolphin-handled creamboats). The catalog contains over 5,100 listings arranged alphabetically by item (e.g. bowls, candlesticks, flatware, etc.) and presented among items, chronologically. Volume 1 contains the alphabetical listings from Baskets-Ink Pots as well as a Guide, a Listing of First Appearances and a Glossary of the terms use in describing the silver as well as its production and decoration. Photographic examples for most categories are also included before each set of listings. Note that Volume 2 is a continuation of the alphabetical categories beginning with "M". The book should be a helpful resource for collectors, museums, antique dealers, auction houses, as well as historians, genealogists and other researchers. Collection: Books and Articles

File: Silver Rev vol one smaller R6-06.pdf Desc: Description: Size: 2123702

URI: <http://hdl.handle.net/1813/3026> Visits: 1266

AU: Eames-Sheavly, Marcia; Pritts, Marvin; Cramer, Craig; Bushway, Lori; Merwin, Ian; Reisinger, Richard; McKay, Steven TI: Cornell Guide to Growing Fruit at Home KW: tree fruits; grapes; strawberries; brambles; blueberries; currants; gooseberries; elderberries; kiwi fruit; pruning; pest management IssD: 2003-05 Pub: Publisher:

ABS: Growing fruit at home can be an enjoyable activity that provides nutritious food for your family. This publication describes how to choose the best varieties; select sites; prepare soil; plant, prune and train shrubs and trees; and deal with diseases and pests. Collection: Books and Articles

File: Cornell Guide to Growing Fruit Desc: Description: Size: 1932023
URI: <http://hdl.handle.net/1813/67> Visits: 2219

AU: Earle, Brian O. TI: The First-Year Experience: A Guide to Best Practices at Cornell University KW: first-year students; welcome letters; faculty advising; peer advising; student orientation IssD: 2004-01-20 Pub: Publisher:

ABS: A survey of Cornell University students indicated that many feel isolated and are dissatisfied with their interactions with faculty and with other students. This paper looks at current best practices at Cornell in order to make the first-year experience more enjoyable for Cornell students. Collection: Books and Articles

File: The First-year Experience Desc: Description: Size: 126511
URI: <http://hdl.handle.net/1813/73> Visits: 1612

AU: Elliot, John Murray TI: Animal Science at Cornell University 1963 - 2000: Observations and Reflections of an Insider KW: animal science; Cornell University; Agriculture; Department History; 1963 thru 2000; Teaching; Research; Extension; Facilities; Academic Highlights; Faculty; Courses; Degrees Awarded IssD: 2001 Pub: Publisher:

ABS: This is an update to the 1987 book by Kenneth L. Turk, Animal Husbandry at Cornell University: A History and Record of Development from 1868 to 1963 prepared by a retired (1991), succeeding Department Chair, J. Murray Elliot. Former chairs provided suggestions of what they considered significant items during their administrations. From the beginning it was agreed that this volume would be relatively brief, without some of the detail that characterized Ken Turk's history. Some additional information has been made available on the department web site (www.ansci.corne) Collection: Books and Articles

File: AnimalSciAtCU_1963_2000 online.pdf Desc: Description: Size: 2598493
URI: <http://hdl.handle.net/1813/318> Visits: 1072

AU: Foote, Robert H. TI: A Connecticut Yankee in Nisei King Company's Court: With the Japanese American 442nd RCT in World War II KW: Nisei; Japanese American; 442nd RCT; World War II; freedom IssD: 2005-04-04 Pub: Publisher:

ABS: This is the story of a country boy raised on a dairy farm in Gilead, CT who, like many others, was caught up in the struggle to stop the onslaught led by the tyrannical dictators who started World War II. It is a story of how the horrors of war and the experience with the brave, bright, loyal Americans of Japanese ancestry taught me a great deal about the meaning of life -- a meani Collection: Books and Articles

File: A Connecticut Yankee-4-4-05.pdf Desc: Description: Size: 239723
URI: <http://hdl.handle.net/1813/676> Visits: 729

AU: Ginet, Carl TI: Knowledge, Perception, and Memory KW: knowledge; truth; confidence; justification; external conclusiveness; perceptual facts; perceptual knowledge; memory knowledge; senses; memory IssD: 1975 Pub: Publisher:

ABS: This book attempts a general definition of what it is to know that a thing is so. The book gives accounts of two fundamentally important kinds of knowledge: that based on perception and that based on memory. Regarding the justification of claims to know, it takes a fundamentalist approach. Collection: Books and Articles

File: license.txt Desc: Description: Size: 1786
URI: <http://hdl.handle.net/1813/81> Visits: 1544

AU: Gussack, Eva; Rossi, Frank S. TI: The Homeowner's Lawn Care and Water Quality Almanac KW: weed control; core aeration; grass selection; lawn equipment maintenance; lawn fertilization; growing grass in shade; growing grass in sun; lawn insect pests; lawn diseases; proper pesticide use; lawn watering; lawn mowing; water quality assessment; yard waste; identifying pollutants IssD: 2000-08 Pub: Publisher:

ABS: All land is in a watershed. Therefore, lawn care practices have a direct impact of the quality of water in a watershed. This publication provides a month-by-month plan for lawn care that results in a healthy lawn while preventing environmental damage. Collection: Books and Articles

File: Lawn Care and Water Quality Alm Desc: Description: Size: 4640196

URI: <http://hdl.handle.net/1813/68> Visits: 1427

AU: Hartman, Paul L. TI: The Cornell Physics Department: Recollections and a History of Sorts KW: Physics Department; Cornell University; Departmental History; Academic Highlights; Faculty IssD: 1993 Pub: Publisher:

ABS: The late Paul Hartman chronicled in his delightfully unique writing style the growth and development of one of the strongest departments at Cornell. "The Physics Department of Cornell has had a long and illustrious history which is nowhere written down in any complete way. It was suggested that the present writer, now on a part time "retirement" appointment in the Physics Department, with which he has been associated during a period going back forty-five years, put together a history of the department." This is an updating of the 1984 manuscript in 1993. Collection: Books and Articles

File: Cornell Physics Dept online.pdf Desc: Description: Size: 23141897

URI: <http://hdl.handle.net/1813/2093> Visits: 764

AU: Haugen, Heidi L. TI: Prevention of Youth Violence KW: children at risk; risk factors; resiliency factors; violence prevention strategy; selecting prevention programs; risk assessment; anger management; conflict resolution; crisis intervention; dating violence; gang violence; mentoring programming; self-esteem programming; social skills programming IssD: 2000-02 Pub: Publisher:

ABS: This publication is designed to to assist those who provide programs aimed at preventing violence among young people. In an analysis of the problem and literature review, it discusses risk factors that lead to violence, strategies for preventing violence, implementing prevention programs, and categories of prevention programs. An extensive annotated bibliography lists and describes books, videos, and other programs that serve as resources for those implementing a program to prevent youth violence. Collection: Books and Articles

File: Prevention of Youth Violence Desc: Description: Size: 1437829

URI: <http://hdl.handle.net/1813/71> Visits: 1222

AU: Howard, Rachel; Brazell, Karen; Ferguson, Ann; Young, Joshua TI: Documenting a Metadata Standard for the Performing Arts: An Application Profile for the Global Performing Arts Database (GloPAD) KW: metadata; performing arts; application profile; database; standards IssD: 2006-06-20 Pub: Publisher:

ABS: This paper explains the implementation of the metadata standards for the Global Performing Arts Database, a database of digital objects related to the performing arts worldwide. The paper discusses how the controlled vocabularies were developed, the

existing metadata standards used, and how to read the GloPAD Application Profile, a version of which is attached to this record. Collection: Books and Articles

File: GloPAD_AppProfile_article.pdf Desc: Description: Main article Size: 58994

URI: <http://hdl.handle.net/1813/3215> Visits: 106

AU: Kammen, Michael TI: Contested Values: Democracy and Diversity in American Culture KW: diversity; American culture; society; values; American history; social reform IssD: 1995 Pub: Publisher:

ABS: Because of their diversity, Americans have differed historically about the optimal way to achieve democratic goals in their society and culture. How can the reform impulse best be realized, for example. Temperance? Birth control? Teaching evolution? The merits of internationalism versus isolation? Environmentalism? Improving race relations and the role of women in the workplace? Disagreements have been overcome even as new ones emerge. What results is an on-going dialogue about the quality and character of American culture itself. Ultimately, that dialogue has been about conflicting and competing values. Collection: Books and Articles

File: Contested Values 13Jun05.pdf Desc: Description: Size: 18925413

URI: <http://hdl.handle.net/1813/1009> Visits: 876

AU: Kane, Thomas R. TI: Analytical Elements of Mechanics, Volume 1 KW: mechanics; mechanical engineering; vector algebra; centroids; static equilibrium; vector analysis IssD: 1959 Pub: Publisher:

ABS: This book is the first of two volumes for use in courses in classical mechanics in which students are taught to solve physically meaningful problems arising in a variety of fields. The content and format are based on the author's approach to teaching mechanics. Collection: Books and Articles

File: Analytical Elements M#5308D.pdf Desc: Description: Size: 14891835

URI: <http://hdl.handle.net/1813/640> Visits: 1058

AU: Kane, Thomas R. TI: Analytical Elements of Mechanics, Volume 2: Dynamics KW: mechanics; vector analysis; mechanical engineering; dynamics IssD: 1961 Pub: Publisher:

ABS: This book is the second of two volumes intended for use in courses in classical mechanics. This volume deals with dynamics. The symbolic language used is vector analysis. More than 100 illustrative examples and problems are presented, and practice problems are provided as problem sets. Collection: Books and Articles

File: Analytical Elements M#530D9.pdf Desc: Description: Size: 18198844

URI: <http://hdl.handle.net/1813/641> Visits: 960

AU: Kane, Thomas R.; Levinson, David A. TI: Dynamics, Theory and Applications KW: dynamics; mechanical engineering IssD: 1985 Pub: Publisher:

ABS: This textbook is intended to provide a basis for instruction in dynamics. Its purpose is not only to equip students with the skills they need to deal effectively with present-day dynam Collection: Books and Articles

File: Dynamics-Theory and A#5314D.pdf Desc: Description: Original Document Size: 194388989

URI: <http://hdl.handle.net/1813/638> Visits: 1391

AU: Kane, Thomas R.; Likins, Peter W.; Levinson, David A. TI: Spacecraft Dynamics
KW: space vehicles; aerodynamics; aeronautical engineering; aerospace engineering;
spacecraft dynamics IssD: 1983 Pub: Publisher:

ABS: This book is an outgrowth of courses taught at Stanford University and at UCLA,
and of the author's professional activities in the field of spacecraft dynamics. It is
intended for use as a textbook in courses of instruction at the graduate level and as a
reference work for engineers engaged in research, design, and development in this field.

Collection: Books and Articles

File: Spacecraft Dynamics.pdf Desc: Description: Size: 62144523

URI: <http://hdl.handle.net/1813/637> Visits: 1151

AU: Laquatra, Joseph; Pierce, Mark R. TI: Waste Management at the Construction Site
KW: waste management; construction debris IssD: 2002-04 Pub: Publisher:

ABS: The construction of a single-family home typically produces more than two tons of
debris. This material is becoming increasingly difficult and expensive to discard. This
publication assists builders in determining both cost-effective and environmentally
sound methods for handling and disposing of construction waste. Collection: Books and
Articles

File: Waste Management at the Constr Desc: Description: Size: 4005408

URI: <http://hdl.handle.net/1813/64> Visits: 1535

AU: Leckie, Jim; Masters, Gil; Whitehouse, Harry; Young, Lily TI: More Other Homes
and Garbage: Designs for Self-sufficient Living KW: renewable energy; solar energy;
wind energy; microhydropower; sustainability; alternative architecture; methane
digesters; self-sufficient living; appropriate technology IssD: 1981 Pub: Publisher:

ABS: Population growth, resource depletion, unstable ecosystems, and economic strains
are some of the interlinked and uncertain hazards that deteriorate the life experiences of
people. Conservation of resources and greater reliance on renewable energy systems
sized to the home and perhaps even constructed by the homeowner can provide part of
the solution. This book, written by engineers but accessible to anyone with a good
calculator, shows how to design and manage technologies that are small-scale,
decentralized, conservative, and environmentally gentle. Collection: Books and Articles

File: More Other Homes v05#169521.pdf Desc: Description: Size: 35725307

URI: <http://hdl.handle.net/1813/1006> Visits: 1475

AU: Lembo, Arthur J. Jr. TI: How Do I Do This in ArcGIS/Manifold?: Illustrating
Classic GIS Tasks KW: database management; database creation; database manipulation
and analysis; data display and presentation IssD: 2004-07-29 Pub: Publisher:

ABS: In 1988, the United States Geological Survey (USGS) created a classic document
titled "The Process for Selecting Geographic Information Systems" (Guptil, et. al., 1988).
The document provided an overview of the process for selecting geographic
information systems, in addition to a checklist of functions that a GIS should include.
The functions were broken into five separate categories: user interface, database
management, database creation, data manipulation and analysis, and data display and
presentation. The document became required reading for those involved in the
selection of GIS, and was often used as a supplementary checklist in competitive
benchmarks of GIS software. Although the document is over 15 years old, many of the
functions listed are still relevant today, and represent some of the most commonly used

features within GIS. In fact, the document was so forward thinking that most GIS software produ

Collection: Books and Articles

File: license.txt Desc: Description: Size: 1796

URI: <http://hdl.handle.net/1813/165> Visits: 10692

AU: Maxwell, Lorraine E. TI: Designing Child Care Settings: A Child-Centered Approach KW: child care environment; child care developmental goals; evaluating child care settings; child care site selection IssD: 1998-05 Pub: Publisher:

ABS: This manual is designed to help child care providers (including directors and staff of day care centers, Head Start centers, nursery schools, and family child care) design indoor and outdoor settings for infants, toddlers, preschoolers, and younger school-age children. It stresses the importance of the physical environment on influencing children's experiences. The manual also contains information on designing a new center and working with an architect. Collection: Books and Articles

File: Designing Child Care Settings Desc: Description: Size: 1718100

URI: <http://hdl.handle.net/1813/69> Visits: 1841

AU: Oliver, Jack E. TI: The Incomplete Guide to the Art of Discovery KW: about discovery; strategy for discovery; tactics for discovery; personal traits and attitudes for discoverers IssD: 1991 Pub: Publisher:

ABS: Cornell emeritus professor Jack Oliver draws on his nearly 50 years as a scientist to explore the strategies, tactics, and personal traits and attitudes necessary for fruitful scientific discovery. Collection: Books and Articles

File: license.txt Desc: Description: Size: 1796

URI: <http://hdl.handle.net/1813/83> Visits: 2209

AU: Oliver, Jack E. TI: Shakespeare Got It Wrong, It's Not "To Be," It's "To Do." The Autobiographical Memoirs of a Lucky Geophysicist. KW: IssD: 2000 Pub: Publisher:

ABS: Cornell Emeritus Professor Jack Oliver reflects, often quite humorously, on his life and career. Includes stories of his boyhood in Ohio, his college days at Columbia, and his years teaching and conducting research at Cornell. Also includes discussions of his breakthrough work in plate tectonics. Collection: Books and Articles

File: license.txt Desc: Description: Size: 1797

URI: <http://hdl.handle.net/1813/75> Visits: 1599

AU: Orear, Jay TI: Enrico Fermi-The Master Scientist KW: IssD: 2004-01-27 Pub: Publisher:

ABS: Cornell Emeritus Professor Jay Orear discusses his relationship with his former professor and mentor Enrico Fermi. The book also includes discussions of Fermi by other scientists, most of whom presented their papers at various symposia honoring Fermi's career. Collection: Books and Articles

File: Enrico Fermi?The Master Scienti Desc: Description: Size: 3918747

URI: <http://hdl.handle.net/1813/74> Visits: 2718

AU: Rand, Richard H. TI: Lecture Notes on Nonlinear Vibrations KW: phase plane; Duffing oscillator; van der Pol oscillator; forced Duffing Oscillator; forced van der Pol oscillator; Mathieu's Equation; Ince's Equation; two coupled conservative oscillators; two coupled limit-cycle oscillators; center manifolds; N coupled limit-cycle oscillators;

continuum of coupled conservative oscillators; Melnikov's Method for predicting chaos
IssD: 2004-01-28 Pub: Publisher:

ABS: Cornell engineering professor Richard Rand has collected his lecture notes covering 13 topics related to nonlinear vibrations. Collection: Books and Articles

File: license.txt Desc: Description: Size: 1796

URI: <http://hdl.handle.net/1813/79> Visits: 1873

AU: Rudan, John W. TI: The History of Computing at Cornell KW: The early days of punched card systems; The beginning and increasing use of computers in instruction; Use of computers to support university research activities; statistical programs; Use of computers for data processing for university business systems; Operating system and programming language software developed at Cornell; Computer Science Department and use of computers in instruction; Microcomputers/Personal computers on campus; sales and support; Text and Word Processing Developments, Desktop Publishing; Supercomputing at Cornell; Library use of Information Technology (Mass Storage and Printing Technologies); The transition from Computing to Information Technology; Telecommunications and telephone systems; NSFNet and its evolution to the Internet; Network developments and systems at Cornell; Electronic Mail developments and use at Cornell; CUINFO, CU-SeeMe, Project Mandarin, Bear Access; Cornell leadership activities in computing/IT and networking applications and technology; Y2K - the year 2000 transition at Cornell; P2K - Project 2000 (the transformation of business systems at Cornell); Time lines of computing/IT activities at Cornell (Appendix) IssD: 2004-01-29 Pub: Publisher:

ABS: John W. Rudan, Director Emeritus of the Office of Information Technologies at Cornell University, describes the development of computing at Cornell, from the earliest punchcard tabulating equipment used in the 1920s to the establishment of the Supercomputing Center in the late 1980s and subsequent activities in the 1990s. Collection: Books and Articles

File: license.txt Desc: Description: Size: 1786

URI: <http://hdl.handle.net/1813/82> Visits: 1707

AU: Smith, Arthur E.; Craven, Scott R.; Curtis, Paul D. TI: Managing Canada Geese in Urban Environments KW: Canada goose management; Canada goose biology; Canada goose habitats; Canada goose reproduction management IssD: 2000-09 Pub: Publisher:

ABS: In many areas of the United States and Canada, the Canada goose has adapted to urban landscapes, foraging on mowed lawns and nesting near ponds and reservoirs. Geese may congregate at parks, golf courses, and athletic fields and create nuisance situations. This manual helps wildlife professionals, turfgrass managers, and homeowners select appropriate management strategies for alleviating problems caused by resident, nonmigratory geese. Collection: Books and Articles

File: Managing Canada Geese Desc: Description: Size: 389606

URI: <http://hdl.handle.net/1813/66> Visits: 1641

AU: Stanton, Bernard F. ("Bud") TI: Agricultural Economics at Cornell: A History, 1900-1990 KW: Agricultural Economics; Applied Economics and Management; Cornell University; Agriculture; Department's History by Decades; 1900 thru 1990; Teaching; Research; Extension; Facilities; Academic Highlights; Faculty; Courses; Degrees Awarded; Farm Management; Great Depression; Role of Government; Impact of World

War and Technology; Computing; Resource and Environmental Economics; Warren Hall IssD: 2001 Pub: Publisher:

ABS: This 292-page picture-filled book, first-ever history of the department chronicles the major contributions made by its faculty and students to research, teaching, and extension in the field of agricultural economics during the twentieth century. The book's chapters focus on the key people and events of each decade and describes the transitions and celebrates the accomplishments of a department noted for its commitment to people and finding solutions to real economic problems. Collection: Books and Articles

File: Stanton Agr Econ History online.pdf Desc: Description: Size: 24430051

URI: <http://hdl.handle.net/1813/2094> Visits: 814

AU: Stanton, Lara K. TI: History of Kendal at Ithaca, 1990 toward 2000 KW: Kendal at Ithaca; History 1990 toward 2000; continuing care retirement community; life care community; www.kares.kendal.org IssD: 2000 Pub: Publisher:

ABS: Lara K. Stanton, a resident of Kendal at Ithaca, provides a history of the development of New York State's first continuing care retirement community. Collection: Books and Articles

File: Kendal_History_all.pdf Desc: Description: Size: 10826597

URI: <http://hdl.handle.net/1813/356> Visits: 973

AU: Turk, Kenneth TI: Animal Husbandry at Cornell: A History and Record of Development from 1868 to 1963 KW: Animal Husbandry; Cornell University; Agriculture; Animal Culture; Study and Teaching IssD: 1987 Pub: Publisher:

ABS: Animal husbandry at Cornell is as old as the university itself. It is hoped that those that study this early history will grasp the significance of the evolutionary growth and development of the College's functions in educating and training men and women for leadership, the contributions to animal agriculture through research, and the transfer of knowledge and technology to livestock producers, industries, and consumers. Progress and development of animal husbandry at Cornell from the beginning through 1963 provided a firm foundation for even greater accomplishments in the future in the animal science. Collection: Books and Articles

File: Animal Husbandry at Cornell 16Jun05.pdf Desc: Description: Size: 38564497

URI: <http://hdl.handle.net/1813/1519> Visits: 1064

AU: Velleman, Paul F.; Hoaglin, David C. TI: Applications, Basics, and Computing of Exploratory Data Analysis KW: stem-and-leaf displays; letter-value displays; boxplots; x-y plotting; resistant line; smoothing data; coded tables; median polish; rootograms; computer graphics; utility programs; programming conventions; minitab implementation IssD: 1981 Pub: Publisher:

ABS: Collection: Books and Articles

File: A-B-C_of_EDA_040127.pdf Desc: Description: Size: 7073134

URI: <http://hdl.handle.net/1813/78> Visits: 1883

AU: Young, Joshua TI: On Metadata: Performing Arts Materials In Our Digital World KW: performing arts; theatre; metadata; databases; Internet access IssD: 2006-06-20 Pub: Publisher:

ABS: This paper is intended to describe the development of the Global Performing Arts Database (GloPAD) system for performing arts materials, in particular to describe for

non-information technology people the metadata structure on which this system is based and how this structuring relates to the study of performing arts. After a brief introduction to the workings of the database system, this paper discusses the crucial information structures for the study of performing arts histories, focusing in particular on how to describe performance productions, pieces that are performed, and Collection: Books and Articles

File: On_Metadata_v3.pdf Desc: Description: Main article Size: 2186728

URI: <http://hdl.handle.net/1813/3214> Visits: 113

Multimedia and Videos (IFUP)

AU: Bethe, Hans TI: Quantum Physics Made (Relatively) Simple: Personal and Historical Perspectives of Hans Bethe KW: IssD: 2004 Pub: Publisher:

ABS: In 1999, the legendary theoretical physicist Hans Bethe delivered three lectures to his neighbors at the Kendal of Ithaca retirement community. The lectures are presented with Dr. Bethe's notes and archival material. An introduction and appreciation is provided by Professor Silvan S. Schweber, the noted science historian who is also Dr. Bethe's biographer, and Edwin E. Salpeter, the J. G. White Distinguished Professor of Physical Science Emeritus at Cor Collection: Multimedia and Videos

File: bethe.html Desc: Description: Size: 2948

URI: <http://hdl.handle.net/1813/80> Visits: 2751

AU: Dewey, Martha; Relta, Vivian; Cruz, Dane; Brown, Kimberly; [CITE], Cornell Interactive Theatre Ensemble TI: "One Vision, Many Voices: First Year Diversity Initiative" featuring the Cornell Interactive Theater Ensemble's presentation of "Being Antigone." KW: diversity; Antigone; Cornell University; vision; voices; Cornell Interactive Theater Ensemble; CITE; first-year orientation IssD: 2004-04-02 Pub: Publisher:

ABS: This video documents "One Vision, Many Voices", Cornell's annual orientation program for first year students, which augments the Provost's First Year Reading Project. CITE's interactive scenario, "Being Antigone", contemporizes themes and relationships from Sophocles' Antigone, the text for the '03 Reading Project. The interactive theatre medium stimulates dialogue from multiple points of view about how to listen to and learn from one another when we profoundly disagree. All first year students attend the program during the first three weeks of the semester. For more information about the scenario and the program's "learning points", see the Collection: Multimedia and Videos

File: license.txt Desc: Description: Size: 1797

URI: <http://hdl.handle.net/1813/96> Visits: 2434

AU: For Rose Films, Inc. TI: "I Can Do That!" Hans Bethe's First 60 Years at Cornell KW: Hans Bethe; biography; Cornell University; Dale Corson; Robert Wilson; John Bachall; Sylvan Schweber; Edwin Salpeter IssD: 1995 Pub: Publisher:

ABS: This video provides a brief overview of Hans Bethe's life and career, from his childhood and early career in Germany to his 60 years at Cornell. Colleagues Dale Corson, Robert Wilson, John Bachall, Sylvan Schweber, and Edwin Salpeter reflect on Bethe's role in putting Cornell's Physics Department on the international physics scene, his Nobel Prize, his days at Los Alamos and later anti-weapons stance, his involvement in Cornell politics, and his rema Collection: Multimedia and Videos

File: license.txt Desc: Description: Size: 1802

URI: <http://hdl.handle.net/1813/84> Visits: 8058

AU: Handler, Philip; Handler, Maddy TI: Portrait of a Cornell Artist: Elsie Dinsmore Popkin, BFA'58 KW: Elsie Dinsmore Popkin; Pastel Artist; Cornell College of Architecture, Art, & Planning; Cornell Department of Art; Dragon Day; Cornell Plantations; Herbert F. Johnson Museum of Art; Cornell Views through the Seasons exhibition; Cornell campus views; Cayuga Lake views; Cornell Plantations views; Cornell Class of 1958; NYC Uptown Gallery IssD: 2003-06 Pub: Publisher:

ABS: This video about pastel artist, Cornell alumna Elsie Dinsmore Popkin, BFA '58, is an entertaining narrative by the artist of her life while an art student at Cornell in the mid-1950's. This video has the artist describing how she creates her art, and shows her current work displayed in the NYC Uptown Gallery as well as her recent exhibition at the Herbert F. Johnson Museum of Art created from the 5th floor of the Museum while looking up Lake Cayuga, as well as looking down upon the beautiful Cornell campus as the seasons changed. Created in 2003, on the occasion of her 45th Reunion, this video includes vintage photos from her years at Cornell, as well as recent video taken of Popkin creating her floral pastels in the Cornell Plantations. Collection: Multimedia and Videos

File: popkin.html Desc: Description: Size: 2118

URI: <http://hdl.handle.net/1813/229> Visits: 1704

AU: Producer: Fly on the Wall Productions; Handler, Philip; Handler, Maddy TI: Being Eisenman KW: Being Eisenman; Institute of Architecture and Urban Studies; Architecture; Cornell Architecture; Richard Meier; Colin Rowe; New York Five; The Whites; Deconstructivism; Eisenman Architects; Charles Gwathmey; Robert AM Stern; Mark Wigley; Werner Seligman; Kenneth Frampton; Oppositions; Alan Plattus; Fred Koetter; Stanley Tigerman; Michael Graves; Jaquelin Robertson; Rafael Vinoly; Cornell Cheerleading; Cornell Swimming; Scottie Little; Michael McKinnell; Arthur Drexler; Burnham Kelly; Wexner Center; Arizona Cardinals Stadium; Cornell Class of 1954 IssD: 2004-06 Pub: Publisher:

ABS: This video is a highly personal account of Eisenman's life and work told by alumnus Peter Eisenman'54, created in celebration of his 50th Cornell Reunion. Vintage pictures from Eisenman's years at and right after Cornell, as well as recent video taken of Professor Eisenman teaching at Yale, overlay the narration by Eisenman. Brief comments by nine of his well-known colleagues and friends in the architectural field, including Cornell architect and friend Richard Meier'56, are interspersed throughout the riveting story he shares about his Cornell years, the years following Cornell, and his current work as head of his NYC firm, Eisenman Architects. Collection: Multimedia and Videos

File: eisenman.html Desc: Description: Size: 1873

URI: <http://hdl.handle.net/1813/197> Visits: 1909

AU: Strogatz, Steven H. TI: Nonlinear dynamics and chaos: Lab demonstrations KW: Steven Strogatz; Howard Stone; John Dugundji; Irving Epstein; Kevin Cuomo; Diana Dabby; nonlinear; dynamics; chaos; oscillator IssD: 1994 Pub: Publisher:

ABS: This v Collection: Multimedia and Videos

File: Strogatz commentary.pdf Desc: Description: Notes on the Video Size: 223097

URI: <http://hdl.handle.net/1813/97> Visits: 6917

AU: Videography: Brian Steblen TI: Dale Corson-Cornell's Good Fortune KW: Dale Corson; Cornell University History; Cornell University Physics Department; College of Engineering; Provost; University President IssD: 1999 Pub: Publisher:

ABS: This video chronicles the life of Cornell President Emeritus Dale Corson, from his boyhood and college years in Kansas to his distinguished career at Cornell. Commentary by various Cornell colleagues includes discussion of Corson's roles as Chair of the Physics Department, Dean of the College of Engineering, Provost, and President. The program also looks at Corson's very active post-retirement life, including his role in the creation of the Kendal at Ithaca retirement community. A streaming media version of this file is available

<http://streaming1.video.cornell.edu:8080/ramgen/corson/corson.rm>. Collection: Multimedia and Videos

File: CORSON.RM Desc: Description: Size: 34127922

URI: <http://hdl.handle.net/1813/85> Visits: 2137

NOTE: Additional videos not listed here are at
<http://ifup.cit.cornell.edu>

EJournal CIGR (IFUP)

AU: Abu-Khalaf, N.; Agus, F.; Alkan, S.; Alvarez, C.; Ampratwum, D.; Atiku, A.; Audu, I.; Aviara, N.; Bakker-Arkema, F.; Bennedsen, B.; Bjerg, B.; Bjorn, G.; Blackmore, B.; Bober, J.; Bodria, L.; Bot, G.; Bravo, C.; Cancela, J.; Carreno, A.; Clemente, R.; Cosandey, C.; Crecente, R.; Cuesta, T.; Cui, Y.; Dasylva, S.; Davies, B.; De Montis, A.; De Montis, S.; Demirci, A.; Deng, W.; Dewangan, K.; Di Marco, M.; Diaz, J.; Dominguez-Dominguez, J.; Dorvlo, A.; Eko, R. Medjo; El-Fadel, M.; Fadel, M.; Fountas, S.; Fragoso, R.; Galletero, P.; Gieling, Th.; Gonzalez-Valadez, M.; Gupta, P.; Hansen, A.; Haque, M.; Harms, H.; Have, H.; Hermiyanto, B.; Irudayaraj, J.; Islam, M.; Jacobsen, L.; Kai, P.; Kalbasi-Ashtari, A.; Kazama, F.; Keener, H.; Khazaei, J.; Kipkurui, L.; Kithyo, I.; Korfali, S.; Korir, J.; Kumar, P.; Lammers, P. Schulze; Lance, J.; Lester, J.; Li, S.; Li, Y.; Lin, Y.; Mann, D.; Mao, Z.; Marks, B.; Massoud, M.; McCartney, A.; Michel Jr., F.; Monteny, G.; Montero, J.; Morsing, S.; Moshou, D.; Munoz-Hernandez, G.; Musy, A.; Muta, S.; Nakano, Y.; Neira, X.; Neumeister, C.; Nielsen, O. Frosig; Noeme, C.; Oberti, R.; Okemwa, P.; Oloso, A.; Opara, L.; Orange, D.; Pappalardo, G.; Pathak, B.; Pedersen, S.; Pena, A.; Perez, J.; Picuno, P.; Ramon, H.; Ranamukhaarachchi, S.; Rosentrater, K.; Russo, P.; Sakhamuri, S.; Salokhe, V.; Sambou, S.; Sangha, M.; Santamarina, M.; Saptomo, S.; Schafer, A.; Scrimshaw, M.; Seber, N.; Setiawan, B.; Sica, C.; Singh, G.; Sousa, P.; Sun, H.; Takai, H.; Tang, L.; Thapar, V.; Tomaselli, G.; Toshiaki, I.; Umar, B.; Valera, D.; Valles, J.; Vejasit, A.; Verma, S.; West, J.; Xin, H.; Yuan, Y.; Yuwono, A.; Zhang, Q.; Zoebisch, M.; van Straten, G.; van Wagenberg, A. TI: CIGR E-Journal Volume 6 KW: Power Tiller Tyre; Modeling; Single-stage Hydrocyclone; Potato Starch Separation; Water Supply; HCID; Yellow River Basin; China; Ventilation; Air Exchange; Poultry Houses; Carrots; Near Infrared (NIR) Reflectance; Multivariate Data Analysis; Nisin Fermentation; FTIR Spectroscopy; Climate; Simulation; Pigs; Agricultural Plastic Films; isotropic Stress State Framework; Suction; Sainte-Rosalie Clay; Temperature; Sea Buckthorn Berries; Dust Collection; Odor Detection; Land Use; Abou Ali River; Lebanon; Lactococcus lactis subsp. lactis; Biofilm Reactors; Axial Flow Thresher; Soybean; Closed Growing Systems;

Post-harvest Pre-cooling Processes; Cyclical Heat Treatment; Red Haven Peaches; Shahmiveh Pears; Cold Storage; Small Autonomous Tractor; Terra Cha Irrigators Community; Geographic Information System; Spain; Bambara Ground Nut Sheller; Concentric Cylinder Locust Bean Dehuller; Livestock Buildings; Densification; Rigid Frames Structures; Truss Steel Structures; Runoff; Soil Loss; Nutrient Loss; Watershed; Indonesia; Sheep Breeding; Goat Breeding; Sicily; Biodiesel Fuels; Sardina; Italy; Rainwater Infiltration; Groundwater Management; Dakar; Foliar Disease; Optical Sensor Fusion; Nahr-Ibrahim; River Sediments; Floodplain; Perforated Benches; Stress-Relaxation Behavior; Plant Oils; Methyl Esters; Ear-Corn Dryers; Tropical Paddy; Nitrogen; Thailand; Alentejo; Farms; Irrigation; Carbon Dioxide; Goats; VRT-based Granular Fertilizer Broadcasting Systems; Tidal Peatland Agriculture; Oman; Kenya; Ammonia; Greenhouse Gas IssD: 2004 Pub: Publisher:

ABS: (1.) P. Kumar and K. Dewangan. Deflection and Contact Characteristics of a Power Tiller Tyre. (January 2004). ...(2.) S. Li and Y. Lin. Modeling a Single-stage Hydrocyclone for Potato Starch Separation.(February 2004). ...(3.) Y. Cui, Y. Li, Z. Mao, J. Lance and A. Musy. Strategies for Improving the Water Supply System in HCID, Upper Reaches of the Yellow River Basin, China . (March 2004). ...(4.) S. Mutaf, S. Alkan and N. Seber. The Effects of Natural Ventilation Air Exchange on Psychrometric Results in Poultry Houses in Hot Environment - Design Characteristics. (March 2004). ...(5.) N. Abu-Khalaf, B. Bennedsen and G. Bjorn. Distinguishing Carrot???s Characteristics by Near Infrared (NIR) Reflectance and Multivariate Data Analysis. (March 2004). ...(6.) S. Sakhamuri, J. Bober, J. Irudayaraj and A. Demirci. Simultaneous Determination of Multiple Components in Nisin Fermentation Using FTIR Spectroscopy. (March 2004). ...(7.) A. van Wagenberg, B. Bjerg and G. Bot. Measurement and Simulation of Climatic Conditions in the Animal Occupied Zone Collection: CIGR

File: Invited overview Pedersen 24August2004.pdf.txt Desc: Description: Extracted text Size: 33119

URI: <http://hdl.handle.net/1813/896> Visits: 1920

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URI: <http://hdl.handle.net/1813/2626> Visits: 957

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File: IndiaEducation.PDF Desc: Description: Gajendra Singh. Agricultural Engineering Education in India. Vol. II, October 2000. Size: 51319

URI: <http://hdl.handle.net/1813/119> Visits: 2063

AU: Munack, A.; Nova, A.; Pozeliene, A.; Sawamura, A.; Sumorek, A.; Zairi, A.; Raoult-Wack, A-L.; Kakou, B.G.; Stout, B.; Nimmuntavin, C.; Shitanda, D.; Bulanon, D.M.; Bresci, E.; Yamaji, E.; Preti, F.; Best, G.; Riskowski, G.; Srzednicki, G.; Slatni, H. A.; El Amami, H.; Horino, H.; Shimizu, H.; Speckmann, H.; Naas, I.; Buenger, J.; De Baerdemaeker, J.; Hahn, J.; Krahle, J.; Teixeira, J. L.; Li, J.; Imou, K.; Maertens, K.; Matsumoto, K.; Cortez, L.; Pereira, L. S.; Wiset, L.; Gaderer, M.; Gebreselassie, M.; Horynski, M.; Ishida, M.; Rao, M.; Reyniers, M.; Bricas, N.; Shimizu, N.; Sumida, N.;

Braunbeck, O.; Kaufman, O.; Schroeder, O.; Bruscoli, P.; Lamp, P.; Rodrigues, P. N.; Siwapornak, P.; Driscoll, R.; Eko, R. Medjo; Ziegler, R.; Koide, S.; Lynikiene, S.; Manmoto, S.; Nishimura, S.; Fischer, T.; Friedrich, T.; Hiroma, T.; Kataoka, T.; Machado, T.; Mitsuno, T.; Mizukami, T.; Nagano, T.; Nishizu, T.; Okamoto, T.; Tomson, T.; Umehara, T.; Anbumozhi, V.; Chancellor, W.; Pietrzyk, W.; Schoelkopf, W.; Ikeda, Y.; Kaizu, Y.; Nishiyama, Y.; Ota, Y.; Torikata, Y. II: CIGR E-Journal Volume 3 KW: Irrigation; Andes; Cotton; Colluvium; Analysis; Farmland; Cereal; Horticulture; Drought; Wind Turbines; Estonia; Rice; Rye; Pneumatic Pressure; Dielectric Constant; Carrot Seed; Corona Discharge Field; Agriculture; Biodiesel Fuel; Diesel Fuel; Gas Emissions; Grain; Combine Harvester; Impellor; Rubber Roll Husker; Helmholtz Resonator; Food Volume Measurement; Electric Field; Energy Consumption; Drying Process; Surface Runodd; Niger; Sprinkler; Crop Yield; Doppler; Speed; Apple Harvesting; Soil; Cement; Sugar Cane; Flaxseed; Fodder-Straw; Syria; Animal Production; Brazil; Farm Machinery; Food System; Climate Change; India IssD: 2001 Pub: Publisher:

ABS: TECHNICAL ARTICLES: (1) P. Bruscoli, E. Bresci and F. Preti. Diagnostic Analysis of an Irrigation System in the Andes Region. Vol. III, February 2001. (2) T. Fischer, M. Gaderer, P. Lamp, W. Schoelkopf, and R. Ziegler. Processes and Economics for Energetic Use of Cotton Plant Residues. Vol. III, February 2001. (3) B. G. Kakou, H. Shimizu and S. Nishimura. Residual Strength of Colluvium and Stability Analysis of Farmland slope. Vol. III, March 2001. (4) P. N. Rodrigues, L. S. Pereira, A. Zairi, H. El Amami, H. A. Slatni, J. L. Teixeira, and T. Machado. Deficit Irrigation of Cereals and Horticultural Crops: Simulation of Strategies to Cope with Droughts. Vol. III, March 2001. (5) H. El Amami, A. Zairi, L. S. Pereira, T. Machado, A. Slatni, and P. Rodrigues. Deficit Irrigation of Cereals and Horticultural Crops: Economic Analysis. Vol. III, March 2001. (6) T. Tomson and A. Nova. Geographically Dispersed Wind Turbines on the West-Estonian Coast. Vol. III, April 2001. (7) L. Wiset, G. Srzednicki, R. Driscoll, C. Nimmuntavin, and P. Siwapornak. Effects of High Temperature Drying on Rice Quality. Vol. III, May 2001. (8) M. Horynski. The Effects of Field Intensity and Pneumatic Pressure on the Dielectric Constant of Rye Kernels. Vol. III, May 2001. (9) S. Lynikiene. Carrot Seed Preparation in a Corona Discharge Field. Vol. III, July 2001. (10) V. Anbumozhi, K. Matsumoto, and E. Yamaji. Sustaining Agriculture through Modernization of Irrigation Tanks: An Opportunity and a Challenge for Tamilnadu, India. Vol. III, August 2001. (11) A. Munack, O. Schroeder, J. Krahel, and J. Buenger. Comparison of Relevant Exhaust Gas Emissions from Biodiesel and Fossil Diesel Fuel. Vol. III, August 2001. (12) K. Maertens, M. Reyniers, and J. De Baerdemaeker. Design of a Dynamic Grain Flow Model for a Combine Harvester. Vol. III, September 2001. (13) D. Shitanda, Y. Nishiyama, and S. Koide. Performance Analysis of Impellor and Rubber Roll Husker Using Different Varieties of Rice. Vol. III, September 2001. (14) T. Nishizu, Y. Ikeda, Y. Torikata, S. Manmoto, T. Umehara, and T. Mizukami. Automatic, Continuous Food Volume Measurement with a Helmholtz Resonator. Vol. III, October 2001. (15) A. Sumorek and W. Pietrzyk. The Influence of Electric Field on the Energy Consumption of Convective Drying Processes. Vol. III. October 2001. (16) T. Nagano, H. Horino, T. Mitsuno, and N. Shimizu. Changes in Surface Runoff Due to Crust Formation and Land Conservation Techniques: The Case of On-Farm Study in Niger, West Africa. Vol. III, October 2001. (17) J. Li and M. Rao. Crop Yield as Affected by Uniformity of Sprinkler Irrigation System. Vol. III, October 2001. (18) K. Imou, M. Ishida, T. Okamoto, Y. Kaizu, A. Sawamura, and N. Sumida. Ultrasonic Doppler Sensor for Measuring Vehicle Speed in Forward and Reverse Motions Including Low Speed

Motions. Vol. III, October 2001. (19) D.M. Bulanon, T. Kataoka, Y. Ota, and T. Hiroma. A Machine Vision System for the Apple Harvesting Robot. Vol. III, December 2001. (20) R. Medjo Eko and G. Riskowski. A Procedure for Processing Mixtures of Soil, Cement, and Sugar Cane Bagasse. Vol. III, December 2001. (21) A. Pozeliene. Influence of Electric Field on the Quality of Flaxseed. Vol. III, December 2001. (22) Y. Kaizu, T. Okamoto and K. Imou. System for Automatic Separation of Ex Vitro Micropropagated Sugarcane. Vol. III, December 2001. (23) M. Gebreselassie, O. Kaufman, and J. Hahn. Optimization of Transport Capacity for Fodder-Straw in Syria. Vol. III, December 2001...INVITED ARTICLES: (1) A-L. Raoult-Wack and N. Bricas. Food Sector Development: Multifunctionality and Ethics. Vol. III, January 2001. (2) I. Naas. Precision Animal Production. Vol. III, January 2001. (3) W. Chancellor. Synergistic Cooperation in the Food System. Vol. III, February 2001. (4) L. Cortez, I. N??s and O. Braunbeck. Agricultural Engineering Education Programs in Brazil. Vol. III, April 2001. (5) A. Munack and H. Speckmann. Communication Technology is the Backbone of Precision Agriculture. Vol. III, May 2001. (6) T. Friedrich. Agricultural Sprayer Standards and Prospects for Development of Standards for other Farm Machinery. Vol. III, May 2001. (7) W. Chancellor. Global Energy Flows and their Food System Components. Vol. III. December 2001. (8) B. Stout and G. Best. Effective Energy Use and Climate Change: Needs of Rural Areas in Developing Countries. Vol. III. December 2001. Collection: CIGR

File: Stout invited paper from Mexico Dec01.pdf Desc: Description: B. Stout and G. Best. Effective Energy Use and Climate Change: Needs of Rural Areas in Developing Countries

<Submissions\Stout%20invited%20paper%20from%20Mexico%20Dec01.pdf>. Vol. III. December 2001. Size: 250320

URI: <http://hdl.handle.net/1813/120> Visits: 2485

Sustainable

AU: Cooke, J. Robert TI: Workshop on 'Sustainable Models for University-based Scholarly Publishing' KW: Models; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: Agenda for the Workshop on 'Sustainable Models for University-based Scholarly Publishing' from June 01, 2004. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Workshop_Agenda_01Jun04.pdf Desc: Description: Size: 101157

URI: <http://hdl.handle.net/1813/175> Visits: 937

AU: Cooke, J. Robert TI: Workshop on Sustainable Models for University-based Scholarly Publishing KW: Open Archives; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: The purpose of this presentation is to explore financially sustainable and effective approaches to scholarly communications for and by Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Cooke.ppt Desc: Description: Size: 4861952

URI: <http://hdl.handle.net/1813/186> Visits: 1102

AU: Cooke, J. Robert TI: List of Attendees for the Workshop on 'Sustainable Models for University-based Scholarly Publishing' KW: Attendees; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: List of Attendees for the Workshop on 'Sustainable Models for University-based Scholarly Publishing'. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Workshop_Attendees_01Jun04.pdf Desc: Description: Size: 47652

URI: <http://hdl.handle.net/1813/176> Visits: 1001

AU: Crow, Raym TI: Developing an Institutionally-Funded Publishing Channel: Context and Considerations for Key Issues KW: Institutional Funding; Scholarly Publishing IssD: 2004-06-31 Pub: Publisher:

ABS: Cornell's Internet First University Press (IFUP) seeks to explore the practical viability of direct institutional funding for serial and monographic publication of an institution's faculty research. To effect fundamental change, such an institutional funding model must not simply shift the costs from the library to other budgets within the institution. It must disaggregate and restructure the academic publishing value chain to separate the services that facilitate publication from monopolistic control of the material published. To attain this goal in practical terms, the IFUP must demonstrate a sustainable economic model and guarantee author autonomy in the choice of publishing venue. This report reviews past and current academic publishing initiatives that provide context and practical insight into how an institutionally sponsored publishing model might be designed and implemented to satisfy these essential requirements. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: license.txt Desc: Description: Size: 1797

URI: <http://hdl.handle.net/1813/178> Visits: 858

AU: Crow, Raym TI: Developing an Institutionally-funded Publishing Channel: Context & Considerations for Key Issues KW: Open Access; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: The purpose of this presentation is to explore the viability of direct institutional funding for publishing faculty research, and to define a practical publishing mechanism by which to implement the model. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Crow.ppt Desc: Description: Size: 142848

URI: <http://hdl.handle.net/1813/188> Visits: 878

AU: Getz, Malcolm TI: Open-Access Scholarly Publishing KW: Open Access; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Getz.ppt Desc: Description: Size: 2070528

URI: <http://hdl.handle.net/1813/190> Visits: 1676

AU: Getz, Malcolm TI: Incubating Open Journals in Economics KW: electronic publishing; open journals; digital scholarship IssD: 2005-10-20 Pub: Publisher:

ABS: As open journals become intellectual successes, they will come to substitute for subscription-based journals. The entry of two new journals specializing in economic

theory, one a commercial subscription journal and the other an open journal, stimulates the question: What does a new journal require in order to achieve intellectual impact? Regressing the ISI Impact Factor for 141 journals on attributes of the journals estimates their relative importance. The intellectual reputations of the editors and of the authors? prior work along with the number of libraries that hold the title are positively associated with the journal's Impact Factor. Using the attributes of the new journals in the estimated relationships yields a forecast of the Impact Factor for the new journals. An open journal has the advantage of being immediately as accessible everywhere on the Internet as though held by many libraries. Its forecast impact is comparable to the journals with the highest impact in this specialty. Some open journals are able to attract outstanding editors and authors with the natural advantage of universal access without charge. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: OpenJournalsOct20.doc Desc: Description: Size: 1293312

URI: <http://hdl.handle.net/1813/2468> Visits: 786

AU: Getz, Malcolm TI: Open-Access Scholarly Publishing in Economic Perspective KW: Open-Access; Scholarly Publishing IssD: 2004-06-11 Pub: Publisher:

ABS: What is the prospect for migrating Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Getz_11Jun04.pdf Desc: Description: Size: 193706

URI: <http://hdl.handle.net/1813/177> Visits: 1173

AU: Getz, Malcolm TI: Open Scholarship and Research Universities KW: Open Access; Scholarly Publishing IssD: 2005-05-18 Pub: Publisher:

ABS: Compare the cost per article for publication in commercial journals, not-profit journals, and open-access journals. For universities that support open-archives and open-access journal management software as part of standard university infrastructure, the financial cost of hosting an additional journal is quite low. Scholars who commit to editing and promoting a journal need to focus primarily on the intellectual tasks with little concern for finances. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: GetzOpenScholarship18May05.pdf Desc: Description: Size: 301656

URI: <http://hdl.handle.net/1813/1344> Visits: 945

AU: Gibbons, Susan TI: Building an E-Publishing Model from the Stakeholders on Up KW: Open Access; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: Develop a business model to adapt DSpace for e-publishing.. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Gibbons.ppt Desc: Description: Size: 62976

URI: <http://hdl.handle.net/1813/191> Visits: 1289

AU: Hickerson, H. Thomas TI: Project Euclid and the ArXiv: Complimentary and Contrasting Elements for Sustainability KW: electronic publishing; project Euclid; arXiv; sustainability IssD: 2005-01-10 Pub: Publisher:

ABS: New models of sustainability are evolving for the development and dissemination of scholarly information, but viable options are dependent on stable organizational foundations and sound managerial and financial models. My remarks today are not designed to provide an overarching vision for the future of scholarly publishing, but are

intended to elucidate factors critical to the success of such visions. I am pleased to have this opportunity to review with you strategies presently being employed by the electronic publishing program of the Cornell University Library. I will focus on two particular research publishing endeavors, Euclid and the physics, mathematics, and computer science e-print arXiv. These two alternative publishing instances offer us a lens through which to analyze elements critical to sustainability. Their very different operational models illustrate differences in sustainability strategies, and yet there are important similarities between the two. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Columbia University Electronic Publishing Workshop2.pdf Desc: Description: Size: 32940

URI: <http://hdl.handle.net/1813/266> Visits: 1054

AU: King, Kenneth M. TI: Creating a Sustainable Scholarly Communication System

KW: Open Archives; Scholarly Publishing IssD: 2004-05-27 Pub: Publisher:

ABS: The current process of schol Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: King_27May04.pdf Desc: Description: Size: 139585

URI: <http://hdl.handle.net/1813/179> Visits: 1014

AU: Neal, James G. TI: Workshop on Scholarly Publishing: Remarks during Open Session KW: Open Access; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: A discussion of Scholarly Communication issues and concerns. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Neal.ppt Desc: Description: Size: 38400

URI: <http://hdl.handle.net/1813/187> Visits: 1064

AU: Parra, Pilar A.; Pfeffer, Max J. TI: Immigrants and the Community: Farmworkers with Families KW: Immigrant workers; Rural communities; Farmworkers; Latino immigrants; Agricultural workforce; New York State; Immigrant social integration; Immigrant economic integration; Language proficiency IssD: 2005-04 Pub: Publisher:

ABS: America's hired farm workforce has changed considerably in the last decade. The most apparent change has been its "latinization" during the past two decades. This is largely a consequence of large numbers of Mexicans coming to the United States to work. Although Mexican immigrants work in numerous industries across the American landscape, they are especially important in agriculture. There has been a growing tendency of farmworkers to settle in rural communities together with their immediate family. But how and to what extent does community integration occur? How do foreigners who have little familiarity with American culture become integrated into the community? Answers to these questions have practical importance to farmers interested in retaining their workforce, service providers working to improve farmworker well-being and communities interested in helping the new residents contribute to community development. To help us understand the factors that both promote and limit the integration of immigrants into rural communities, we chose for study five New York agricultural communities in different economic and social contexts that have relied heavily on hired farm labor. Each community has a minority population of some significance and a history of immigrant farmworkers settling there. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Farmworkers_Report_2005.pdf Desc: Description: Size: 717150

URI: <http://hdl.handle.net/1813/1345> Visits: 957

AU: Pfeffer, Max J.; Para, Pilar A. TI: Immigrants and the Community KW: immigrant workers; rural communities; community development; rural population; Hispanic immigrants; agricultural workforce; foreign-born farmworkers; farmworker population; New York State population IssD: 2004-11 Pub: Publisher:

ABS: Many upstate New York communities have experienced population loss and decline in the last decade. Increasing numbers of immigrants have settled in many of these communities, which poses possible community development challenges and opportunities. Because each community must address these issues in its own way, this report is intended to make communities aware of changes in their populations and highlight issues they may choose to address. Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Immigrant report 20#18B75C1.pdf Desc: Description: Size: 1000726

URI: <http://hdl.handle.net/1813/220> Visits: 1105

AU: Wittenberg, Kate TI: Responsible Publishing KW: Open Access; Scholarly Publishing IssD: 2004-06-01 Pub: Publisher:

ABS: Responsible Publishing: Thinking Creatively and Collaboratively. Breaking Down Traditional Publishing Categories: Books, Jou Collection: Sustainable Models for University-based Scholarly Publishing Workshop

File: Wittenberg.ppt Desc: Description: Size: 25088

URI: <http://hdl.handle.net/1813/189> Visits: 1009

Cornell Conference on Open Access Scholarship (IFUP)

AU: Cooke, J. Robert TI: Internet-First University Press and Creating Departmental and College Digital Repositories KW: Scholarly publishing; Electronic publishing; Electronic Repositories; Open Access IssD: 2005-06-24 Pub: Publisher:

ABS: J. Robert Cooke, Biol. and Env. Engr., presented the efforts of Internet-First University Press as an open access publishing effort using DSpace including the concepts of print-on-demand and DVDs for videos. Collection: Cornell Conference on Open Access Scholarship

File: 06 Cooke 09May05.pdf Desc: Description: Presentation Size: 1493857

URI: <http://hdl.handle.net/1813/1515> Visits: 971

AU: Cooke, J. Robert; Ehling, Terry; Ginsparg, Paul; Kozak, George; McMillan, Gail; Thomas, Sara; Atkinson, Ross TI: Agenda of Meeting and combined Presentations KW: Open Access; Electronic Publishing IssD: 2005-06-24 Pub: Publisher:

ABS: This is a collection of the combined presentation which were presented at this conference: (1) Agenda; (2) The Cornell Library and Its Contributions to Open Access by Sarah E. Thomas, C. A. Kroch University Librarian; (3) Cornell University Library's Publishing Model for Scholarly Literature by Terry Ehling, Director of Electronic Publishing at Cornell University; (4) An Overview of the Open Access Movement: National and International by Paul Ginsparg, Physics & Computing and Info. Sci. and Founder of arXiv.org e-Print; (5) Trends in Online Theses and Dissertations: National and International by Gail McMillan, Director, Digital Library and Archives, Virginia Tech; (6) Internet-First University Press and Creating Departmental and College Digital Repositories by J. Robert Cooke, Biol. and Env. Engr.; (7) Demo of Quick Submit

Interface for Digital Repository by George Kozak, Digital Library Info. Tech of Cornell Library. Collection: Cornell Conference on Open Access Scholarship
File: 01 Cornell OA Conference.pdf Desc: Description: Combined Presentations for the Conference Size: 5673658
URI: <http://hdl.handle.net/1813/1518> Visits: 926

AU: Ehling, Terry TI: Cornell University Library's Publishing Model for Scholarly Literature KW: Scholarly Literature; Publishing Models; Project Euclid; DPubS IssD: 2005-06-24 Pub: Publisher:

ABS: Terry Ehling, Director of Electronic Publishing at Cornell University presented the Cornell University Library's approach to Scholarly Publishing on the Web. Using the example of the the Library's innovative publishing software, DPubS (Digital Publishing System), which was developed to deliver Project Euclid (a Mellon Foundation-supported scholarly communications initiative), she showed how Project Euclid provides cost efficient distribution of serial literature in mathematics and statistics, and now DPubS will be enhanced and released as a general-purpose publishing platform for scholarly literature in diverse fields, supporting peer review, extensive administrative functionality, and interoperability with open source repository systems such as Fedora and DSpace. This flexible online publishing tool will aid institutions of higher education and research in managing and distributing the intellectual efforts of scholars and researchers. DPubS v.2 will significantly expand opportunities for affordable and creative scholarly communication. Collection: Cornell Conference on Open Access Scholarship

File: 03 Ehling 09May05.pdf Desc: Description: Size: 431879
URI: <http://hdl.handle.net/1813/1512> Visits: 564

AU: Ginsparg, Paul TI: Overview of the Open Access Movement: National and International KW: Open Access; arXiv.org; Electronic Publishing IssD: 2005-06-24 Pub: Publisher:

ABS: Paul Ginsparg, Physics & Computing and Info. Sci. and Founder of arXiv.org e-Print presented an apolitical perspective on questions raised by Open Access initiatives. Various Financial Models and Initiatives were addressed. Collection: Cornell Conference on Open Access Scholarship

File: 04 Ginsparg 09May05.pdf Desc: Description: Size: 19322
URI: <http://hdl.handle.net/1813/1513> Visits: 659

AU: Kozak, George TI: Demo of Quick Submit Interface for Digital Repository KW: Electronic Publishing; Quick Submit; Submission Process IssD: 2005-06-24 Pub: Publisher:

ABS: George Kozak, Digital Library Information Technology of the Cornell Library and DSpace Administer presented the "Quick Submit" process which was developed at Cornell University to help users to get their submissions quickly and easily into DSpace. Collection: Cornell Conference on Open Access Scholarship

File: 07a DSpace Submission Process.pdf Desc: Description: Quick Submit Process Size: 651036
URI: <http://hdl.handle.net/1813/1516> Visits: 740

AU: McMillan, Gail TI: Trends in Online Theses and Dissertations: National and International KW: Dissertations; Theses; Electronic Publishing; Digital Library IssD: 2005-06-24 Pub: Publisher:

ABS: Gail McMillan, Director, Digital Library and Archives, Virginia Tech presented the pros and cons of electronic submissions of theses and dissertations. She used the experience of the Networked Digital Library of Theses and Dissertations (NDLTD) which is an organization dedicated to promoting the adoption, creation, use, dissemination, and preservation of electronic analogues to the traditional paper-based theses and dissertations. Collection: Cornell Conference on Open Access Scholarship File: 05 McMillan 09May05.pdf Desc: Description: Size: 1268965 URI: <http://hdl.handle.net/1813/1514> Visits: 704

Collection: Undergraduate Scholarly Publications (IFUP)

AU: ALCORN, HEATHER L.; HENDRICKS, MELINA M.; LINTAULT, LAURA M.; MARGALIT, KATE A.; MILLER, ANDREW D.; SAVIDGE, CHRISTINE; BIALOWAS, CHRISTIE M.; FRIDMAN, VLADIMIR; MAK, RAYMOND H.; MIRANI, GAYATRI; MORSE, DARCY L.; PEREZ, LUISA; RAMAN, RAJNI V.; STEUER, KRISTIE; STORCK, KARA I.; SUNDBERG, KRISTY A.; WEISS, MARISSA S.; FUCHSBERG, JEFFREY R.; KAWAHARA, AKITO Y.; SVENSON, GAVIN J.; BUSHNOE, TARA M.; CHEN, JOY S.; GRANT, EVAN H.; LAWRENCE, BETH A.; MARKOW, DIANE M.; MILGROOM, JESSICA; TOSCHIK, PAMELA C.; KATZ, RICHARD M.; LAM, DENEY; PRICE, ANDREW D.; SCOTT, REBECCA L.; BIRINCI, DENIZ; CZARNICK, JACOB J.; FOUCAULT, BROOKE E.; GILMORE, ALISON A.; LEE, TRINA KAY; NEROULIAS, NICOLE M.; SCHWARTZ, ADAM L.; SCOTT, MINDY E. TI: 2001 Research Honors Program Abstracts KW: student research; honors program; animal science; biological science; entomology; natural resources; physical science; plant science; social science IssD: 2002-03 Pub: Publisher:

ABS: Faculty in the College of Agriculture and Life Sciences at Cornell University mentor and guide undergraduate students who have chosen to pursue a research project and graduate with honors. These abstracts reflect the depth of their scholarship and intellectual ability. The research projects encompass work in animal science, biological science, entomology, natural resources, physical science, plant science, and social science. Collection: Undergraduate Scholarly Publications File: 2001_Research_honors.pdf Desc: Description: Size: 263250 URI: <http://hdl.handle.net/1813/851> Visits: 1177

AU: Bischoff, Melissa A.; Green, Alice S.; Kelsey, Julie A.; Lauffer, Benjamin E. L.; Lenkaitis, Victoria E.; Smith, Stevie Elizabeth; Stevenson, Kyle Ann; VerMilyea, Matthew D.; Vyhna, Kristin K.; Weissman, Brenda L.; Bovee, Alissa M.; Bowlin, Melissa S.; Brecher, Matthew B.; Brusie, Melissa A.; Camp, Brendan J.; Cohn, Heather I.; Daigle, Bernie J., Jr.; Falcone, John L.; Gartner, Gabriel E. A.; Hood, Christopher T.; Kubera, Cathryn L.; Kull, Erin E.; Nead, Jennifer A.; Oliver, Molly Ann; Roberts, Victoria L.; Stucker, Karla M.; Uschold, Timothy D.; VanderSal, Nicole D.; Waase, Marc P.; Wilson, Susan F.; Zordan, Rebecca E.; Huang, Ming Hua; McNeil, James R.; Svenson, Gavin J.; Taylor, Alani N.; Sicherman, Heidi; Carlson, Jane E.; Kessler, Will R.; McSherry, Lauren; Richie, Celeste J.; Spier, Travis C.; Eisenhauer, Lisa D.; Pearson, Alexander T.; Perkins, Tasi B.; Ruane, Alexander C.; Ackerman, Megan E.; Herforth, Anna W.; Pootakham, Wirulda; Rapp, Ryan A.; Cohen, Susan E.; Concra, Meghan M.; Granka, Laura Ann;

Groppe, Jessica S.; Radin, Joanna M.; Regelman, Carl F.; Rothman, Jami d.; Tao, Li TI: 2002 Research Honors Program Abstracts KW: animal science; biological science; entomology; natural resource; physical science; plant science; social science; student research; honors program IssD: 2002 Pub: Publisher:

ABS: Faculty in the College of Agriculture and Life Sciences at Cornell University mentor and guide undergraduate students who have chosen to pursue a research project and graduate with honors. These abstracts reflect the depth of their scholarship and intellectual ability. The research projects encompass work in animal science, biological science, entomology, natural resources, physical science, plant science, and social science. Collection: Undergraduate Scholarly Publications

File: 2002_Research_Honors.pdf Desc: Description: Size: 341326

URI: <http://hdl.handle.net/1813/850> Visits: 1167

AU: Caretto, Carlo; Bhattacharyay, Madhurima; Ghassabeh, Ali John; Holmberg, Andrew; Lucadamo, Kirk; Pedersen, Linda; Tang, Michael; Toor, Neelu; Wang, Ray; Wei, Thomas; Gold, richard TI: The Visible Hand, Volume 12, Issue 1 KW: Election 2004; tax reform; tax policy; flat tax; monetary policy; political economy; political economy; CAFTA; free trade; outsourcing; jobs; EU; European Union; trade; trade deficit; organ transplant; organ donation; corporate responsibility; Enron IssD: 2004 Pub: Publisher:

ABS: This is the fall 2004 edition of Cornell University's longest-running undergraduate economics and business journal. This issue focuses on the hotly contested U.S. election of 2004 under the economic issues of jobs and taxes. Other topics include globalization and the expansion of the EU, ethics in the aftermath of corporate scandal, and many other subjects in the world of economics and business. Collection: Undergraduate Scholarly Publications

File: vh_fa2004.pdf Desc: Description: Size: 2902026

URI: <http://hdl.handle.net/1813/219> Visits: 1432

AU: Cassano, Amy E.; Hanley, Daniel; James, Karen L.; Johnson, Jennifer L.; Kepping, Sheryl A.; Kulick, Amy E.; Plotnik, Joshus M.; Rokhsar, Jennifer L.; Savageau, Nicole R.; Sepp, Peter J. Jr.; Aridgides, Paul D.; Armsby, Michelle L.; Bartoli, Carol Renato; Briggs, Benjamin J.; Cheng, Christina W.; Colangelo-Lillis, Jesse R.; Doyle, Adam J.; Egan, J. Franklin; Geiler, Kerry A.; Hoffman, Catharine E.; Ilic, Nina; Johnson, Amy E.; Kim, Chung-Eun Joanne; Kozak, Genevieve M.; Livingstone, Esther A.; McDonald, Erin M.; Miller, Allison M.; Mitschelen, Matthew C.; O'Donnell, Kelly L.; Patrawala, Zeenat; Robinson, Jon F.; Seidman-Zager, Michael I.; Shaw, Andrea W.; Smith, Terry Ann; Talbot, Jared C.; Wei, Catherine J.; Wei, Melissa Y.; Wels, Jared I.; Wolfer, Nicholas R.; Harper, Matthew P.; Corriel, Sean Adam; Johansen, Anna K.; John, Dustin F.; Andersen, Michael J.; Fairbairn, Madeleine P.; Farr, Rachel H.; Grinath, Joshua B.; Hartman, Elizabeth A.; Hayn, Melanie K.; Juice, Stephanie M.; Kiernan, Laura D.; Meigs, Garrett W.; Horn, Matthew G.; Arcate, Jessica M.; Fraker, Emily J.; Ma, Janet M.; Savory, Elizabeth A.; Brown, Jacob R.; Cohen, Stuart L.; Curry, Lauren E.; Greene, Ilana M.; Heinlein, Jennifer L. S.; Kornblatt, Julia R.; Kornet, Allison D.; Merola, Nicholas A.; Posner, Emily A.; Rickert, Linda M.; Ritchie, Thompson Cavage; Saunders, Liindsey A. TI: 2003-2004 Research Honors Program Abstracts (for the College of Agriculture and Life Sciences Undergraduates) KW: animal science; biological science; entomology; landscape studies; natural resources; physical sciences; plant science; social science IssD: 2004-11-30 Pub: Publisher:

ABS: Faculty in the College of Agriculture and Life Sciences at Cornell University mentor and guide undergraduate students who have chosen to pursue a research project and graduate with honors. These abstracts reflect the depth of their scholarship and intellectual ability. The research projects encompass work in animal science, biological science, entomology, landscape studies, natural resources, physical science, plant science, and social science. Collection: Undergraduate Scholarly Publications

File: Honors2.pdf Desc: Description: Size: 399602

URI: <http://hdl.handle.net/1813/216> Visits: 2422

AU: Graziano, Gwednolyn; Cheng, Samson; Loh, Wee Lee; Pridgen, Colyar; Tzenev, Atanas; Zhang, Jeffery; Pedersen, Linda; Rogers, Michael; Roth, Jason; Wei, Thomas; Parikh, Rushi; Kumar, Tulika; Lin, Tianai; Nesterova, Anna; Wei, Lim Tam; Lee, Humphrey; Bhattacharyay, Rima; Miniyar, Neal; Sable, Scott; Zuccarino, Todd; Liang, Feng Olivia; Lacket, Christopher; Gilman, John TI: The Visible Hand, Volume XI, Issue 2 KW: Hong Kong; Special Administrative Region; Economic Revitalization; Closer Economic Partnership; outsourcing India; Laos development; corporate governance; income polarization; political economy; European union; private health insurance; recovery; crate; barrel; international labor organization; low carbs; music industry; airlines; stocks; inflation; linked bonds; Cingular; ATT wireless; Nobel Prize; Cornell; traffic; community service; levon barseghyan; Bulgaria; entrepreneurship; fiat; dollar; environmentalism; sticky price; American Business IssD: 2004 Pub: Publisher:

ABS: This Collection: Undergraduate Scholarly Publications

File: sp04visible.pdf Desc: Description: Size: 2857228

URI: <http://hdl.handle.net/1813/115> Visits: 1681

AU: Mendelson, Brian; Scheines, Emily; Nawaz, Yasir; Myron, T. J.; Stewart, Brian; Giedinghagen, Andrea; Ingraham, Laurel; Crawford, Dan; Shishkin, Konstantin; Suarez-Rubio, Santiago; Bernardo, Katrina; Tobenkin, Billy; Puleo, Connor; Waldo, Amanda; Lucks, Emily; Berenson, Dmitry TI: The Quad, Volume 10, Issue 1 KW: Literary magazine; Cornell magazine; Cornell literary; Quad; Quad magazine; Cornell quad; Poetry; Literature; fiction; Prose; Art; Photography; Cornell photography IssD: 2004-10 Pub: Publisher:

ABS: The Quad is a literary and art magazine celebrating its tenth year at Cornell. We publish poetry, prose, and art on any subject from any author. This is our fall 2004 issue. Enjoy! Collection: Undergraduate Scholarly Publications

File: The_Quad_10(1).pdf Desc: Description: Size: 12644500

URI: <http://hdl.handle.net/1813/232> Visits: 1746

AU: Nesterova, Anna; Hall, Justin; Lubin, David; Fatehi, Leili; Ko, Rosy; Zhang, Jeffrey; Cheng, Samson; Pedersen, Linda; Rogers, Michael; Roth, Jason; Bluestein, Andrew; Wei, Thomas; Parikh, Rushi; Kulmar, Tulika; Chhaochharia, Vidhi; Degrow, Stephen; Lin, Tianai; Stone, Doug TI: The Visible Hand, Volume XI, Issue 1 KW: economics; business; undergraduate journal; Cornell society; Cornell; society; political economy; Russia; China; Iraq; Sweden; global money; research industry; currency; copyrights; intellectual property; global village; clear channel; Bush traffic IssD: 2003 Pub: Publisher:

ABS: This is Collection: Undergraduate Scholarly Publications

File: visiblehand03.pdf Desc: Description: Size: 603387

URI: <http://hdl.handle.net/1813/95> Visits: 1750

AU: Pedersen, Linda; Liang, Olivia; DeWitt, Katherine; Bhattacharyay, Madhurima; Sasiadek, Adam; Toor, Neelu; Shih, Jerry; Ghassabeh, Ali John; Wong, Vincent; Goldman, Jarett; Wang, Ray; Cheng, Samson; Ko, Rosy; Cho, Thummim; Tevet, Dan; Kumar, Tulika
 TI: The Visible Hand, Volume 12, Issue 2
 KW: Economic Trends; Economic Policy; Mergers; Acquisitions; Common Agricultural Policy; International Agricultural Economies; Financial Integration; Civil War; World Trade Organization; Dispute Settlement; Social Security; Good Samaritan Law; Internet Taxes; Exchange Rate; China; ASEAN; Chinese Auto Industry; Game Theory; Behavioral Economics
 IssD: 2005-05
 Pub: Publisher:

ABS: The Visible Hand, Spring 2005, is a publication of the Cornell Economics Society. In this issue the following Economic Trends and Policies are explored: (1) "The Recent Surge in Mergers and Acquisitions" by Linda Pedersen ... (2) "New Luxury: Like It or Spike It?" by Olivia Liang ... (3) "The Common Agricultural Policy and Struggling International Agricultural Economies" by Katherine DeWitt ... (4) "Financial Integration: A Road Towards Growth or to Increased Vulnerability and Poverty?" by Madhurima Bhattacharyay ... (5) "The Role of Economics in the Origins of the Civil War" by Adam Sasiadek ... (6) "Economic Interstate Conflict: The World Trade Organization and Dispute Settlement - Evaluating Schools of Thought" by Neelu Toor ... (7) "Privitization of Social Security" by Jerry Shih ... (8) "Capital Punishment as a Deterrent to Murder" by Ali John Ghassabeh ... (9) "The Good Samaritan Law and the Duty to Rescue: A Cost-Benefit Analysis" by Vincent Wong ... (10) "NO! to Internet Taxes" by Jarett Goldman ... (11) "Exchange Rate and Current Account Imbalances in China and ASEAN: Are They A Problem?" by Ray Wang ... (12) "The Development of the Chinese Auto Industry" by Samson Cheng ... (13) "The Investment Landscape for Foreign Acquisition in the Chinese Banking Industry" by Rosy Ko ... (14) "The Future of ASEAN's Economy: Growth through Foreign Direct Investment" by Thummim Cho ... (15) "Online Auctions: Changing the Face of Game Theory" by Dan Tevet ... (16) "Behavioral Economics: A Look into this New Course and Professor O'Donoghue" by Tulika Kumar.
 Collection: Undergraduate Scholarly Publications

File: vh_sp2005.pdf Desc: Description: Size: 1728014

URI: <http://hdl.handle.net/1813/1166> Visits: 1299

Appendix 3: Proposed Online Publishing Model for University Presses

[Book/Monograph Publishing:

In Relationship to Achieving Tenure in the Humanities at Cornell]

J. Robert Cooke

Thursday, February 27, 2003

Although scholarly communication (including formal publishing) occupies a decidedly core role in higher education, it has become a disruptive factor due mainly to financial issues. Serials costs for libraries, especially in the sciences, have become a major issue. But in the humanities, where books occupy the niche held by journal articles in other areas, there is also a serious problem. Most university presses are facing severe financial pressures that are causing them to select the manuscripts they publish with an ever-increasing emphasis upon print runs and sales. Increasingly, prospective candidates for tenure must have published one, and sometimes two, monographs (esp., English, History, and Government). Because the academy trusts the branding by university presses, their role has become central to the tenure decisions-making process.

The Modern Language Association has published a recent review of this trend and the state of scholarly publishing.¹ That report failed to consider the strategic, complementary role of on-demand printing. Online publishing combined with on-demand printing, if implemented appropriately, may well make online publishing both feasible and even attractive.

Cost pressures for universities extend beyond publishing costs for university presses and acquisition costs for libraries. At Cornell, the library system requires a net expansion of shelf space of two to three miles annually! This space must be climate controlled and maintained for the indefinite future. Said differently, the print book culture is affecting other aspects of the library's budget. In addition to space, there are significant personnel costs for managing a print collection. In short, the paper-based model for publishing entails a serious cost, in part because of the need to own and maintain a local copy.

On the other hand, digital-based publishing is the ultimate form of 'compact storage'. And digital publications need not necessarily be bought and stored locally to be accessible (assuming that copyright issues are properly dealt with). Furthermore, with the advent of economically feasible on-demand printing, a user is not limited to on-screen reading. A document may be browsed online, and printed if, and only when, desired. For books that do not have a mass audience, the printing cost for a limited number of copies can be much less than if many copies are mass produced on a scale that exceeds the demand and then left unused in inventory.

1 Cornell University Press: The Cornell University Press, in addition to its current approach to scholarly publishing, will be contracted to publish monographs **online** for the faculty in the humanities. They would utilize the same level of care and rigor and same peer review procedures they now employ for books carrying the Press' imprint, but the expected endpoint would be an accessible PDF file, rather than a printed monograph. The Press would retain first right of refusal (for a limited time) to produce a print version (subject to the usual contractual arrangements with the author), which

¹ Ryan, Avelar, Fleissner, Lashmet, Miller, Pike, Sitter, and Tatlock. 2002. **The Future of Scholarly Publishing: MLA Ad Hoc Committee on the Future of Scholarly Publishing.**

http://www.mla.org/www_mla_org/reports/pdf/SchlrlyPblshng.pdf

would be published in addition to the open access digital version. This service would be provided on a fee basis.

2 We will urge the major university presses, e.g., the Ivies, to participate in this approach to broaden the opportunities for publishing. Likewise, we assume that Cornell University Press will provide this service to faculty at other universities.

3 Cornell Digital Print Shop: The Cornell Digital Print Shop will develop an online link to DSpace, the digital repository used to house and distribute these digital books and much other digital material. This not-for-profit enterprise will price the production of print copies on a cost plus basis and provide shipping. Eventually a linkage with a national chain to handle on-demand printing locally at geographically dispersed locations may well emerge.

4. Cornell Library: The Cornell Library will manage the DSpace Digital Repository for the university. They will provide backup for security and will refresh the storage media as needed to assure longevity. DSpace will handle both archiving and distribution processes.

5. Tenure and Promotion Issues: In addition to providing communication among scholars, peer-reviewed monographs also serve as the coin of the realm for tenure and promotion in many disciplines. Ask the College of Arts and Sciences (administration and faculty) to make an explicit declaration for the benefit of young, tenure track faculty of the value that will be attached to online publication in connection with promotion and tenure. Specifically, the college should consider declaring that the intellectual content of a monograph will be valued the same regardless of whether it is printed or published exclusively online. This will be possible because the Cornell Press and any other university presses with which we make similar arrangements will use equivalent levels of care and editorial standards in producing books under the Press' imprint – regardless of whether publication ends with online distribution. The overall goal of this policy and practice is to assure that tenure decisions can be linked to a monograph's intellectual worth, rather than its commercial value.

Appendix 4: Overall Budget Summary

Fiscal Year Total	Total Expense	Office expenses	Build Cornell IFUP	CIT Support	Library support	White Papers	DSpace Hardware	Spec. studies Ginsparg Math DSpace Interface	MIT DSpace Support
Fiscal Year 03	\$73,382.26	\$4,876.68	\$0.00	\$489.08	\$0.00	\$0.00	\$18,016.50		\$50,000.00
Fiscal Year 04	\$174,116.19	\$13,836.51	\$42,964.39	\$2,576.91	\$77,771.00	\$28,000.00	\$0.00	\$8,967.38	
Fiscal Year 05	\$150,975.27	\$14,876.48	\$25,533.29	\$4,065.50	\$80,000.00	\$26,500.00			
Fiscal Year 06	\$221,526.28	\$6,827.74	\$186,012.04	\$18,686.50		\$10,000.00			
Total	\$620,000.00	\$40,417.41	\$254,509.72	\$25,817.99	\$157,771.00	\$64,500.00	\$18,016.50	\$8,967.38	\$50,000.00