



The Internet-First University Press: The First Decade

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

or

CAPE's Histories and Biographies Project

<http://ecommons.library.cornell.edu/handle/1813/14143>

2014 CAPE Lecture Series

Speaker: J. Robert Cooke

Professor Emeritus, Department of Biological and Environmental Engineering

Boyce Thompson Institute Auditorium

Thursday, March 20th, 10:30 a.m. – 11:30 a.m.

Agenda

Overview of a Decade of Experimental, Scholarly Digital Publishing

(cover quickly using a handout, 13 min.)

A Brief Glimpse of Cornell History, Volume 1 (video snippets)

(47 min.)

Scope

- ❖ This project was funded initially by The Atlantic Philanthropies with sponsorship by the Office of the University Faculty. Now budgetary oversight is provided by the Department of Biological and Environmental Engineering.
- ❖ The Cornell Library provides the archival home for DSpace and The Internet-First University Press and provides support services (Digital Scholarship and Preservation Services; Division of Rare and Manuscript Collections).
- ❖ Cornell University Print Services <http://www.cbsds.cornell.edu/locations.html> provides on-demand printing and binding so those desiring the convenience of paper may purchase it.
- ❖ We are exploring low-cost digital approaches for scholarly publishing, with emphasis upon utilizing Internet technologies to promote a shift from a materials handling perspective to an information handling perspective.

Project Types

- ❖ Oral History Project
- ❖ Videos Published
- ❖ Books
- ❖ Public Lectures
- ❖ Symposia
- ❖ Journal
- ❖ Our History
- ❖ Institutional Records
- ❖ Memorials
- ❖ Cornell Cooperative Extension example
- ❖ Project Studies
- ❖ Student Scholarship
- ❖ Alumni Videos
- ❖ Summary & Conclusions
- ❖ Video Snippets

Oral History Project Participants (94) *[completed by March 20, 2014]*

Abel, John F.
Abrams, M.H.
Abruña, Héctor D.
Adams, Barry B.
Albright, Louis D.
Barker, Randolph
Bauer, Simon H.
BenDaniel, David J.
Bethe, Hans A.
Bisogni, James John Jr.
Brutsaert, Wilfried
Call, David L.
Campbell, Donald
Castillo, Gelia T.
Chimwaza, Gracian
Christy, Ralph
Coffman, W. Ronnie
Colle, Royal
Colman, Gould P.
Cooke, J. Robert
Cooke, W. Donald
Corson, Dale R.
Cranch, Edmund T.
Crane, Brian

Dick, Richard I.
DiSalvo, Francis J.
Esman, Milton J.
Evangelista, Matthew A.
Evans, Howard E.
Freed, Jack H.
Furry, Ronald B.
Ganem, Bruce
Giovanelli, Riccardo
Gossett, James M.
Gottfried, Kurt
Gries, David
Halpern, Bruce
Hartmanis, Juris
Haynes, Martha P.
Hermanson, John W.
Hoffmann, Roald
Howland, Howard
Hughes, Robert E.
Ingraffea, Anthony R.
Irwin, Lynne H.
King, Kenneth M.
Korf, Richard P.
Leibovich, Sidney

Levine, Gilbert
Lion, Leonard William
Liu, Phil
Loucks, Daniel Peter
Lumley, John
Marcham, Frederick G.
Markwardt, Everett D.
McLafferty, Fred W.
Meinwald, Jerrold
Mellor, John W.
Meyburg, Arnim Hans
Moon, Francis C.
Moore, Franklin K.
Murphy, Royse P.
Nesheim, Malden C.
O'Rourke, Thomas Denis
Oyer, Edwin B.
Parlange, Jean-Yves
Philpot, William Douglas
Plane, Robert A.
Rehkugler, Gerald E.
Reppy, Judith V.
Riley, Howard W.
Robertshaw, David

Scheraga, Harold A.
Schuler, Richard E.
Scott, Norman R.
Scott, Thomas
Shoemaker, Christine
Sisler, Daniel G.
Sogah, Dotsevi Y
Spencer, James W.
Stedinger, Jery Russell
Thurston, David
Turner, Cynthia
Turnquist, Mark A.
Uphoff, Norman
Viands, Donald R.
Voelcker, Herb
Walter, Michael F.
Weber-Shirk, Monroe
Widom, Ben
Wilcox, Charles
Wilson, Robert
Wright, Madison
Zaitlin, Milton

Videos: First-Releases

Video Titles (First Releases)	Author/Editor	Downloads
Quantum Physics Made (Relatively) Simple: Personal and Historical Perspectives of Hans Bethe	Michael Allmendinger	36,767
Antigone (Script, Video Segments And Commentary)	Feldshuh, David; Rusten, Jeffrey; Booth, Dan	6,126
One Vision, Many Voices: First Year Diversity Initiative – The Cornell Interactive Theater Ensemble	Cruz, Dane, et al.	5,875
Dale Corson: Cornell's Good Fortune	Rose Films, Inc.	4,876
M. H. Abrams at Cornell University	Cooke, J. Robert (producer)	4,568
Last Class (Taught by Frederick Marcham)	Marcham, Frederick G.	4,475
Reminiscence In The Field of Reproductive Physiology And Endocrinology	Leonard, Samuel L.	1,184
Simulation and Model Verification of Agricultural Tractor Overturns	Davis, Denny C.	1,071
Origin and History of The Internet, A Lecture by Ken King	Cooke, J. Robert	862
W. Donald Cooke: Through The Years	Cooke, J. Robert	792
A Conversation with Dale R. Corson	Gottfried, Kurt	295
Remembering Hans Bethe DVD Table of Contents		
The Corson Legacy: An Overview	LaFeber, Walter; Abrams, M.H.	
Glimpses of Cornell History, Vol 1 <--- Will View Shortly	Cooke, J. Robert; King, Kenneth M.	
M. H. Abrams at Cornell University - Videos And Multimedia Presentations	Abrams, M. H.	
Legacy of Dale Corson Slideshow	Cooke, J. Robert (producer)	
Murph's Party: Royse P. Murphy's 90th Birthday Celebration	Kass, Lee B.	
Willim T. Keeton House Grand Opening and Dedication at Cornell University	Walcott, Charles (Videographer)	
A Brief History of the Arecibo Observatory by Don Campbell	Campbell, Donald B.	

Videos (previously recorded, but not published)

Title	Person(s)	Downloads
Hans Bethe and David Mermin Discuss The Early History of Solid State Physics	Bethe, Hans; Mermin, David	67,587
Nonlinear Dynamics and Chaos: Lab Demonstrations	Strogatz, Steven H.	32,726
"I Can Do That!" Hans Bethe's First 60 Years at Cornell	Rose Films, Inc.	17,743
Subtitled Video of Noh Theatre Performance of Yamanba, 1999, Kuse Section	Global Performing Arts Consortium; Brazell, Karen; Bethe, Monica	6,304
Subtitled Video of Noh Theatre Performance of Yorimasa, 1932	Nogami Memorial Noh Theatre Research Institute; Global Performing Arts Consortium	3,738
Hans Bethe Discusses The Manhattan Project, with Introduction by Carl Sagan	Bethe, Hans A.; Sagan, Carl	493
Corson Symposium: Dale Corson: Cornell's Good Fortune (Video)	premiered at the Corson Symposium	182

Books (Re-release)

The effect of a distribution channel!

Book (re-release)	Author(s)	Downloads
Incomplete Guide to The Art of Discovery	Oliver, Jack E.	106,202
Dynamics, Theory and Applications	Levinson, David A.; Kane, Thomas R.	50,154
Spacecraft Dynamics	Likins, Peter W.; Levinson, David A.; Kane, Thomas R.	19,761
New Concepts of Cattle Growth	Butterfield, Rex M. , et al.	14,442
Cornell University: Founders and The Founding	Becker, Carl L.	9,064
Applications, Basics, and Computing of Exploratory Data Analysis	Velleman, Paul F.; Hoaglin, David C.	7,943
Knowledge, Perception, And Memory	Ginet, Carl	7,350
Analytical Elements of Mechanics, Volume 1	Kane, Thomas R.	5,787
Animal Science at Cornell University 1963 - 2000: Observations ...	Elliot, John Murray	5,744
New Concept of Sheep Growth	Butterfield, Rex M.	5,205
Analytical Elements of Mechanics, Volume 2: Dynamics	Kane, Thomas R.	5,057
As I Remember How It Was (Autobiography of Sam Leonard)	Leonard, Samuel L.	4,787
History of Kendal at Ithaca, 1990 Toward 2000	Stanton, Lara K.	4,502
Shakespeare Got It Wrong, It's Not "To Be," It's "To Do." The Autobiographical ...	Oliver, Jack E.	4,217
Contested Values: Democracy and Diversity in American Culture	Kammen, Michael	4,155



Books (Re-release) *continued*

Photographs of Frederick G. Marcham	Marcham, John	3,775
A.I. From The Origins Up To Today	Foote, Robert H.	3,650
Animal Husbandry At Cornell: A History And Record of Development From 1868 To 1963	Turk, Kenneth	3,186
On Puns: The Foundation of Letters	Culler, Jonathan D.	2,171
Milk of Paradise: The Effect of Opium Visions on The Works of Dequincey, Crabbe, Francis Thompson, and Coleridge	Abrams, M. H.	2,067
History of Railroads In Tompkins County	Rossiter, Winton G.; Lee, Hardy Campbell; Marcham, John	1,690
Seven Decades That Changed America: A History of The American Society of Agricultural Engineers, 1907-1977	Stewart, Robert E.	1,541
Study of The Plow Bottom and Its Action Upon The Furrow Slice	White, Earl Archibald	1,103
Education & Agriculture: A History of The New York State College of Agriculture at Cornell University	Colman, Gould P.	966
Evolution of Plant Breeding at Cornell University	Murphy, Royse P.; Kass, Lee B.	746
George F. Warren: Farm Economist	Stanton, Bernard F.	373
Agricultural Economics at Cornell: A History, 1900-1990	Stanton, Bernard F. ("Bud")	313
Faculty Handbook 2002 Seventh Edition, Cornell University	University Faculty, Office of the	204
Engineering Mathematics	Hilton, P.J.; Walker, R.J.; Block, H.D.; Cranch, E.T.	165
Cornell-Nanking Story	Reisner, John Henry; Love, Harry Houser	97
Plant Biomechanics : An Engineering Approach to Plant Form and Function	Niklas, Karl J.	72
Cornell- Los Baños Story	Turk, Kenneth L.	4
All In A Grain of Rice	Castillo, Gelia T.	2

Book (First Publication)

Book Title (First Publication)	Author	Downloads
How Do I Do This In ARCGIS/Manifold?: Illustrating Classic GIS Tasks	Lembo, Arthur J. Jr.	27,930
Enrico Fermi: The Master Scientist	Orear, Jay	13,235
Final Project Report to Atlantic Philanthropies: Creating An Open Access Paradigm For Scholarly Publishing	Cooke, J. Robert; King, Kenneth M.	12,466
Compendium of Scottish Silver, Volume 1	Dietert, Rodney R., et al.	8,494
Legacy of Frederick G. Marcham	Marcham, John; LaFeber, Walter F.	8,430
More Other Homes And Garbage: Designs for Self-Sufficient Living	Young, Lily; Whitehouse, Harry; Masters, Gil; Leckie, Jim	6,950
History of Computing at Cornell	Rudan, John W.	6,399
Compendium of Scottish Silver, Volume 2	Dietert, Rodney R; Dietert, Janice M.	6,381
Born To Live And Living To Learn: Autobiography of A Farm Boy, Soldier, Parent and Educator	Foote, Robert H.	5,949
Lecture Notes on Nonlinear Vibrations, ed. 1	Rand, Richard H.	5,469
Immigrants and The Community: Former Farmworkers		5,073
Connecticut Yankee In Nisei King Company's Court: With The Japanese American 442nd Rct In World War II	Foote, Robert H.	4,669
First-Year Experience: A Guide to Best Practices At Cornell University	Earle, Brian O.	4,320
Immigrants and The Community	Pfeffer, Max J.;Para, Pilar A.	4,316
Compressed Version of The Final Project Report to Atlantic Philanthropies	Cooke, J. Robert; King, Kenneth M.	4,293
Pioneering Department: Evolution From Rural Engineering to Biological And Environmental Engineering at Cornell University, 1907-2007	Furry, Ronald B.	4,076

<--- *for a technical audience; see 2nd edition on next slide*

same content

Book (First Publication) *continued*

Cornell: Athletics, Wartime, and Summing Up	Marcham, Frederick G.	3,895
Cornell Notes: World War II To 1968	Marcham, Frederick G.	3,567
Guide To The Plant Communities of The Central Finger Lakes Region	Mohler, Charles L.; Marks, Peter L.; Gardescu, Sana	3,494
Compressed Versions of The Books By and About Prof. Frederick G. Marcham	Marcham, John; Marcham, Frederick G.	3,428
Historical Perspective In Principles of Cloning	Foote, Robert H.	2,806
Cornell Physics Department: Recollections and A History of Sorts	Hartman, Paul L.	2,753
Brief Photo Essay of My Family and Life: The First 81 Years	Foote, Robert H.	2,199
Rau Plow Model Collection at Cornell University and The Evolution of Plow Design	Rehkugler, Gerald E.	2,048
Reflections On The History of Reproductive Physiology Research In Dairy Cattle	Foote, Robert H.	1,957
Artificial Insemination To Cloning: Tracing 50 Years of Research	Foote, Robert H.	1,799
Vascular Plant Species of The Cayuga Region of New York State	Wesley, F. Robert; Marks, P. L.; Gardescu, Sana	1,356
Lecture Notes on Nonlinear Vibrations, ed. 2	Rand, Richard H.	1,258
Gangly Country Cousin: The Lehigh Valley's Auburn Division	Trice, Herbert V.	1,200
Structural Ecology of Health and Community	Young, Frank W.	632
Acorn to Oak: From City Kid to Cornell Professor Emeritus	Rockcastle, Verne	529
Legacy of Dale R. Corson (Supplement One)	Corson, Dale R. , et al.	309
Photo Album of Investiture of Dale R. Corson	Goldberg, Sol	80
Brutsaert/Parlange Symposium Photo Album	Cooke, J. Robert	65
History of Anatomy (at Cornell)	Evans, Howard E.	22
Artificial Insemination: The First Great Animal Biotechnology (1941)	Foote, Robert H.	19

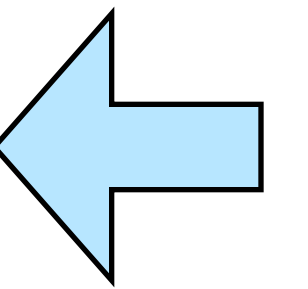
Public Lectures

Lectures	Author	Downloads
Creating A Sustainable Scholarly Communication System	King, Kenneth M.	3,764
Case For A Primary Diplomatic Relationship with China	Kirk, Mark	2,183
Rau Plow Model Collection At Cornell University and The Evolution of Plow Design	Rehkugler, Gerald E.	2,048
Chaos, Levitation and Sculpture: Overlapping Circles of Creativity	Moon, Francis C.	1,232
Origin and History of The Internet, A Lecture By Ken King	Cooke, J. Robert	862
Hans Bethe Discusses The Manhattan Project, With Introduction by Carl Sagan	Sagan, Carl	493
World Without Disorder: Absolute Zero Temperature - A Robert C. Richardson Lecture	Richardson, Robert C.	398
Evening With Hans Bethe: The German Atomic Bomb Project	Powers, Thomas; Gottfried, Kurt	209
Campus Unrest - A Lecture by Dale Corson	Corson, Dale R.	123
Honey Bee Democracy by Tom Seeley	Seeley, Thomas	96
My Life As A Field Biologist: From Deer To Digital Book In 40 Short Years	Gavin, Thomas A.	
Fourth Dimension of A Poem	Abrams, Meyer H.	
Cornell Apple Breeding: Taste The Apples of The Future	Brown, Susan K.	
Antique Veterinary Instruments	King, John M.	
Small Is Still Beautiful: Establishing A Micro-Economic Agenda for Economic Growth...	Christy, Ralph	
The History of Mechanical and Aerospace Engineering	Moon, Francis C.; Moore, Franklin K.	
Earth: The Human Dimension -- A Lecture by Frank H.T. Rhodes at Kendal	Rhodes, Frank H. T.	
Local Women Go To War: Civil War Nurses 1861-1865	Kammen, Carol	

Video Publishing of Symposia is an Alternative to Monographs!

Symposia	Downloads
Proceedings of the 6th International Conference on Computation of Shell & Spatial Structures (May 2008)	
2008 IASS-IACM: Plenary Lectures And Scordelis Memorial Keynote Lectures - The Videos	50,026
2008 IASS-IACM: Plenary Lectures And Scordelis Memorial Keynote Lectures - The Slides	9,404
2008 IASS-IACM: Plenary Lectures (PDFs)	3,402
Janus Conference on Research Library Collections (all) (Oct 2005)	120,830
Janus Conference on Research Library Collections October 2005 (PDFs)	
Janus Conference Proceedings Video (Part 1-6)	6,232
Introduction For The Break-Out Sessions: Six Key Challenges For The Future Of Collection Development	6,448
Cornell Conference on Open Access Scholarship (May 2005)	
Agenda of Meeting and Combined Presentations	6,260
Sustainable Models for University-based Scholarly Publishing Workshop (May 2004) (held at Columbia Univ)	
Workshop On 'Sustainable Models For University-Based Scholarly Publishing' (Agenda)	3,825
Workshop On Sustainable Models For University-Based Scholarly Publishing (PowerPoint)	3,640
Hydrologic Discovery Through Physical Analysis Honoring the Scientific Legacies of Wilfried H. Brutsaert and Jean-Yves Parlange (May 2012)	3,164
Groundbreaking Ceremony Of The Life Sciences Technology Building (March 2005)	1,086
Dale Corson's Induction Into The Cornell Center for Materials Research Hall of Fame (Dec2004)	898
Hall of Fame Induction, Cornell Center For Materials Research	
Plant Biology Centennial (June 2013)	
CALS Alumni Awards 2011 (Nov 2011)	
A Half Century of Norm Scott: A Biological Engineering Symposium	
Simon Bauer 100th Birthday Celebration (Oct 2011)	
Willim T. Keeton House Grand Opening and Dedication at Cornell University (Sep 2008)	

(lower cost and quicker)



Professional Journal (mirror site)

Professional Journal (mirror site)	Downloads
CIGR E-Journal Volume 1	8,305
CIGR E-Journal Volume 2	7,356
CIGR E-Journal Volume 3	6,879
CIGR E-Journal Volume 4	6,480
CIGR E-Journal Volume 5	5,928
CIGR E-Journal Volume 6	5,357
CIGR E-Journal Volume 7	4,921

Google’s full-text indexing boosted their circulation!

Our History (Books and videos about our history are repeated here.)

History Titles	Author	Downloads
Cornell: Birth of the American University	Frey, Brian (WSKG)	just added
Enrico Fermi-The Master Scientist	Orear, Jay	13,235
Cornell University: Founders And The Founding	Becker, Carl L.	9,064
Legacy of Frederick G. Marcham (video)	Marcham, John; LaFeber, Walter F.	8,430
Memorial Service for Frederick G. Marcham (Audio)	Rhodes, Frank H.T., et al.	6,687
History of Computing at Cornell	Rudan, John W.	6,399
Born To Live And Living To Learn: Autobiography of a Farm Boy, Soldier, Parent And Educator	Foote, Robert H.	5,949
All in a Grain of Rice	Castillo, Gelia T.	5,787
Animal Science at Cornell University 1963 - 2000: Observations and Reflections of An Insider	Elliot, John Murray	5,744
Food Science at Cornell University: A Century of Excellence, 1902-2002	Bandler, David K.; Holland, Robert F.	5,582
As I Remember How It Was (Autobiography of Sam Leonard)	Leonard, Samuel L.	4,787
Connecticut Yankee In Nisei King Company's Court: With The Japanese American 442nd Rct In World War II	Foote, Robert H.	4,669
History of Kendal at Ithaca, 1990 Toward 2000	Stanton, Lara K.	4,502
Last Class (Taught by Frederick Marcham)	Marcham, Frederick G.	4,475
A Pioneering Department: Evolution From Rural Engineering to Biological And Environmental Engineering at Cornell	Furry, Ronald B.	4,076
Cornell: Athletics, Wartime, and Summing Up	Marcham, Frederick G.	3,895
Photographs of Frederick G. Marcham	Marcham, John	3,775
A.I. From The Origins Up To Today	Foote, Robert H.	3,650
Cornell Notes: World War II To 1968	Marcham, Frederick G.	3,567
Compressed Versions of The Books By and About Prof. Frederick G. Marcham	Marcham, John; Marcham, Frederick G.	3,428
Obituary of Prof. Frederick G. Marcham	Chronicle, Cornell	3,396
Riley-Robb Hall at Cornell University: Celebrating It's Opening	Cooke, J. Robert; Furry, Ronald B.	3,274
Animal Husbandry at Cornell: A History and Record of Development from 1868 to 1963	Turk, Kenneth	3,186
Talk on Job at Sage Chapel (Audio)	Marcham, Frederick G.	2,880
Historical Perspective In Principles of Cloning	Foote, Robert H.	2,806
Cornell Physics Department: Recollections and A History of Sorts	Hartman, Paul L.	2,753

Our History *(continued)*

Brief Photo Essay of My Family and Life: The First 81 Years	Foote, Robert H.	2,199
Reflections On The History of Reproductive Physiology Research in Dairy Cattle	Foote, Robert H.	1,957
Artificial Insemination to Cloning: Tracing 50 years of Research	Foote, Robert H.	1,799
A History of Railroads in Tompkins County	Lee, Hardy Campbell; Rossiter, Winton	1,690
Education & Agriculture: A History of The New York State College of Agriculture at Cornell	Colman, Gould P.	966
School of Chemical Engineering at Cornell : A History of The First Fifty Years	Smith, Julian Cleveland	889
Evolution of Plant Breeding at Cornell University	Murphy, Royse P.; Kass, Lee B.	746
Elmira, Cortland & Northern RR: 1867 to 1967 and On The Ups and Downs of a Rural Line	Marcham, David; Marcham, John (editor)	655
Acorn To Oak: From City Kid To Cornell Professor Emeritus	Rockcastle, Verne	529
George F. Warren: Farm Economist	Stanton, Bernard F.	373
Agricultural Economics at Cornell: A History, 1900-1990	Stanton, Bernard F. ("Bud")	313
Faculty Handbook 2002 Seventh Edition, Cornell University	University Faculty, Office of the	204
Cornell-Nanking Story	Reisner, John Henry; Love, Harry Houser	97
History of Anatomy (at Cornell)	Evans, Howard E.	22
Artificial Insemination: The First Great Animal Biotechnology (1941)	Foote, Robert H.	19
The Cornell--Los Baños Story	Turk, Kenneth L.	4
Beliefs: Eight Essays and Nine Rules to Live By	Marcham, Frederick G.	
Britons and Cornellians	Marcham, Frederick G.	
Cornell Notes: 1898 to World War II	Marcham, Frederick G.	
On Teaching	Marcham, Frederick G.	

Institutional Records *(online)*

Cornell Chronicle (1969–1996 & to present) and Cornell Reports (1967–1974)	<i>Cornell Chronicle</i> <i>Cornell Reports</i>	Cornell Chronicle: 103,189 Cornell Reports: 8,217	http://ecommons.library.cornell.edu/handle/1813/5328 http://www.news.cornell.edu/archive http://ecommons.library.cornell.edu/handle/1813/7754
Cornell Alumni Magazine (from 1899)	<i>Cornell Alumni</i> <i>Magazine</i>	Cornell Alumni News: 518,585 Cornell Alumni Magazine: 12,444 Cornell Magazine: 33,224	http://ecommons.library.cornell.edu/handle/1813/3157 http://ecommons.library.cornell.edu/handle/1813/3160 http://ecommons.library.cornell.edu/handle/1813/3159 http://ecommons.library.cornell.edu/handle/1813/3158
University Faculty Minutes (from 1868)	<i>Cornell University</i> <i>Faculty Minutes</i> Online Collection 1868-2010	Faculty Minutes: 2,398	http://ecommons.library.cornell.edu/handle/1813/22426
University Faculty Memorials (from 1868)	<i>Faculty Memorial</i> <i>Statements</i>	Faculty Memorial Statements: 51,478	http://ecommons.library.cornell.edu/handle/1813/17811
College of Engineering	<i>Engineering Quarterly</i>	102 PDFs; downloads: 277,379	http://ecommons.library.cornell.edu/handle/1813/2211

Memorials

Memorials	Author/Producer	Downloads
Memorial Service for Frederick G. Marcham (Audio)	Rhodes, Frank H.T., et al.	6,687
Remembering W. Donald Cooke	Cooke, J. Robert	924
W. Donald Cooke Memorial Service	Washburn, Lars, et al.	434
Hans A. Bethe : Celebrating "An Exemplary Life"	Cooke, J. Robert	357
Memorial to Richard N. White (1933-2009)	Abel, John F.	258
Celebration of The Life of Barlow Ware	(multiple)	140
Royse P. Murphy : A Celebration of Life	Murphy, Royse P.	
Memorial to Robert Coleman Richardson (June 26, 1937 – February 19, 2013)	Cooke, J. Robert; King, Kenneth M.	
Walter Lynn Memorial Service (1929 - 2011)	Walcott, Charles	
Celebration of The Life and Achievements of William E. Gordon	Campbell, et al.	

Ultra Low-cost, No Advertising Public Service Publishing

Cooperative Extension (existing)	Author	Downloads
Designing Child Care Settings: A Child-Centered Approach	Maxwell, Lorraine E.	9951
Know Your Trees	Winch, Fred E. Jr., et al.	9433
Managing Canada Geese In Urban Environments	Smith, Arthur E.; Curtis, Paul D.; Craven, Scott R.	9040
Cornell Guide To Growing Fruit at Home	Reisinger, Richard; Bushway, Lori; McKay, Steven; Eames-Sheavly, Marcia; Cramer, Craig; Pritts, Marvin; Merwin, Ian	8130
Managing White-Tailed Deer In Suburban Environments	VerCauteren, Kurt C.; Hyngstrom, Scott E.; DeNicola, Anthony J.; Curtis, Paul D.	7233
Homeowner's Lawn Care and Water Quality Almanac	Rossi, Frank S.; Gussack, Eva	6983
Enhancement of Wildlife Habitat On Private Lands	Smith, Charles R. , et al.	5825
Waste Management at The Construction Site	Pierce, Mark R.; Laquatra, Joseph	5255
It All Adds Up	Bristow, Barbara J.	4924
Prevention of Youth Violence	Haugen, Heidi L.	4923

Project Studies

Title	Author	Downloads
Final Project Report To Atlantic Philanthropies: Creating An Open Access Paradigm For Scholarly Publishing	Cooke, J. Robert; King, Kenneth M.	12,466
Open-Access Scholarly Publishing In Economic Perspective	Getz, Malcolm	5,924
Three Frontiers In Open Access Scholarship	Getz, Malcolm	5,420
Open Scholarship And Research Universities	Getz, Malcolm	4,352
Compressed Version Of The Final Project Report To Atlantic Philanthropies	Cooke, J. Robert; King, Kenneth M.	4,293
Incubating Open Journals In Economics	Getz, Malcolm	4,233
Internet-First University Press and Creating Departmental And College Digital Repositories	Cooke, J. Robert	4,131
Open-Access Scholarly Publishing	Getz, Malcolm	3,420
Publications, Papers And Patents (1980-1995) [ABEN Department, Cornell University]	Cooke, J. Robert	3,283
Metadata of Cornell University's DSpace Repository Through July 31, 2007	Kozak, George S., et al.	2,922
CU ABEN Graduate Degrees (1913 - 1995)	Cooke, J. Robert; Stanton, Ruth, et al.	1,857
Theses, Papers and Publications of Henry D. Bowen and His Students (1952 – 1991)	Cooke, J. Robert	630

Student Scholarship – Cornell Students Can Share Their Scholarship

Student Scholarship	Author	Downloads
2001 Research Honors Program Abstracts	(multiple)	7378
2003-2004 Research Honors Program Abstracts (For The College of Agriculture And Life Sciences Undergraduates)	Rickert, Linda M.; Posner, Emily A.; Saunders, Liindsey A.; Ritchie, Thompson Cavage; Cassano, Amy E.; Livingstone, Esther A.; et al.	6221
2002 Research Honors Program Abstracts	Uschold, Timothy D.; Stucker, Karla M.; Roberts, Victoria L.; Oliver, Molly Ann; Zordan, Rebecca E.; Wilson, Susan F.; Waase, Marc P.; VanderSal, Nicole D.; et al.	6204
Visible Hand, Volume XI, Issue 2	Nesterova, Anna;Wei, Lim Tam;Miniyar, Neal;Sable, Scott;Lee, Humphrey;Bhattacharyay, Rima;Lacket, Christopher;Gilman, John; et al.	5528
Visible Hand, Volume 12, Issue 1	Wang, Ray, et al.	5489
Visible Hand, Volume 12, Issue 2	Wang, Ray, et al.	4994
Quad, Volume 10, Issue 1	Waldo, Amanda; Puleo, Connor; Tobenkin, Billy; et al.	4935
Visible Hand, Volume XI, Issue 1	Stone, Doug , et al.	4751
BEE 4530 - Computer-Aided Engineering	Student papers for Ashim Datta's course for 15 years [1999-2013] (~45 students per year)	417,691
Theses and Dissertations (open and closed)	Grand total downloads: Students filing open theses and dissertations: 2,063 Students filing closed theses and dissertations: 4,123 (total of 6,186 students)	2,040,201

Alumni Videos

Phil and Maddy Handler Alumni Videos	Author	Downloads
True Big Red: Professor Don Greenberg '55	Handler, Maddy; Handler, Philip	10,056
Journey From Sibley: Jill Lerner '75	Handler, Maddy; Handler, Philip	8,598
Portrait of A Cornell Artist: Elsie Dinsmore Popkin, BFA'58	Handler, Maddy; Handler, Philip	7,710
Being Eisenman: Peter Eisenman '54	Handler, Maddy; Handler, Philip	7,140
Big Red / Meier White: A Cornell Story Of Architect Richard Meier '56	Handler, Maddy; Handler, Philip	5,258
Ratan Tata '59: The Cornell Story	Handler, Maddy; Handler, Philip	3,713
Simply Squier: Professor Jack Squier, MFA '52	Handler, Maddy; Handler, Philip	
Celebrating Yervant: Cornell Professor Terzian on His 70th Birthday	Handler, Maddy; Handler, Philip	

Biggest Hits (so far)

Incomplete Guide to The Art of Discovery	Oliver, Jack E.	106,202	1
Hans Bethe and David Mermin Discuss The Early History of Solid State Physics	Bethe, Hans; Mermin, David	67,587	2
Dynamics, Theory and Applications	Levinson, David A.; Kane, Thomas R.	50,154	3
Proceedings of the 6th International Conference on Computation of Shell & Spatial Structures (May 2008)	Abel, John F.; Cooke, J. Robert (co-editors)	50,026	4
Quantum Physics Made (Relatively) Simple: Personal and Historical Perspectives of Hans Bethe	Michael Allmendinger	36,767	5
Nonlinear Dynamics and Chaos: Lab Demonstrations	Strogatz, Steven H.	32,726	6
Spacecraft Dynamics	Likins, Peter W.; Levinson, David A.; Kane, Thomas R.	19,761	7
"I Can Do That!" Hans Bethe's First 60 Years at Cornell	Rose Films, Inc.	17,743	8
New Concepts of Cattle Growth	Butterfield, Rex M. , et al.	14,442	9
Enrico Fermi: The Master Scientist	Orear, Jay	13,235	10
Final Project Report to Atlantic Philanthropies: Creating An Open Access Paradigm For Scholarly Publishing	Cooke, J. Robert; King, Kenneth M.	12,466	11
True Big Red: Professor Don Greenberg '55	Handler, Maddy; Handler, Philip	10,056	12
Designing Child Care Settings: A Child-Centered Approach	Maxwell, Lorraine E.	9,951	13
Know Your Trees	Winch, Fred E. Jr., et al.	9,433	14
Cornell University: Founders and The Founding	Becker, Carl L.	9,064	15
Managing Canada Geese In Urban Environments	Smith, Arthur E.; Curtis, Paul D.; Craven, Scott R.	9,040	16

Summary & Conclusions (Cost Reducing Practices)

- ❖ **Fundamental change** is due to the free Internet (University Presses, Libraries, courses, etc.). *[One hundred forty (140) American research universities try to duplicate the holdings and expenses of their 'competitors' – producing what has become excessive redundancy in higher education with content separate from paper.]*
- ❖ **Distribution and Storage:** Oliver book: out of print, but 100,000 copies have been distributed; Strogatz' chaos video: avoid diversion of time and postage (32,726) ; Public Service resources (10 items distributed at 5,000-10,000 copies distributed without postage or handling costs; Google full text indexing; applies to all fields; worldwide audience. *DSpace (with IFUP as a subset) has monotonically increased to more than [2 million downloads this year](#) (excluding robotic downloads).*
- ❖ A single publisher can **cover all disciplines**, e.g., dissertations and deal with subjects as broad as the scope of Cornell's land grant mission.
- ❖ Faculty will **contribute content without royalties** and will share their legacies (if asked). Eighty-five (85) have participated in released oral histories; many more interviews have been and are to be recorded and/or edited.
- ❖ **Video is now inexpensive:** video of symposia is now quicker and less expensive than editing and printing a monograph. The Bethe lectures languished in closets for years. I captured Bethe's Quantum Physics lectures at Kendal (36,767 downloads) years before I could afford to have them edited. Editing tools have become inexpensive.
- ❖ **Preserve and share resources**, such as the legacies of faculty and staff, departments, centers, colleges, the university and surroundings. ***Future possibilities** for sharing teaching and learning content – lectures, not whole courses, e.g., assisting high school teachers and providing lifelong educational support for our alums. *Our goal is to capture an oral history for every interested Cornell emeritus faculty member.**
- ❖ **Books may be published incrementally**, e.g., Lee Kass' 782-page treatise that makes the legacy of Nobel Laureate Barbara McClintock accessible and enduring. Traditional university presses declined to publish *Perspectives on Nobel Laureate Barbara McClintock's Publications (1926-1984): A Companion Volume*. <http://ecommons.library.cornell.edu/handle/1813/34897>
- ❖ Publishing **videos of symposia** reduces time to distribution (e.g., 2 months vs a year) and editing costs, e.g., Brutsaert/Parlange Hydrology Symposium <http://ecommons.library.cornell.edu/handle/1813/29545> and can reach a worldwide audience (>3,000), e.g., John Abel's *Proceedings of the 6th International Conference on Computation of Shell & Spatial Structures* with more than 50,000 downloads <http://ecommons.library.cornell.edu/handle/1813/11516>.
- ❖ Our most recently archived video is **Cornell: Birth of the American University** was written and produced by Brian Frey for WSKG-TV. <http://ecommons.library.cornell.edu/handle/1813/36232>

Video Snippets next

- ❖ 2:31 Bethe: How Stars Shine
- ❖ 1:26 Corson: Corson the Listener
- ❖ 1:59 Brown: New Apple Varieties
- ❖ 1:37 Abrams: Origin of Cornell's Joyce Collection
- ❖ 1:45 Cooke: A Great Taxi Ride
- ❖ 8:33 Hoffmann: An Attic Escape During WWII
- ❖ 6:45 Hartmanis: The Beginnings of a New Field
- ❖ 3:51 King: Protocol Key to An Open Internet
- ❖ 8:15 LaFeber & Abrams: The Corson Legacy
- ❖ 3:03 Richardson: Ever-Lower Temperatures
- ❖ 3:23 Shoemaker: Women in Engineering at Cornell: The Early Years
- ❖ 4:15 Seeley: How Honey Bees Select a Home
- ❖ 1:27 Murphy: Good Evening Hockey Fans